

Data File : VD060644.D
Acq On : 19 Dec 2018 18:09
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Quant Time: Dec 20 01:05:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 01:02:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	283283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	387173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	350510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	285117	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	11178	5.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.58%	
35) Dibromofluoromethane	6.30	113	14905	5.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.32%	
50) Toluene-d8	9.44	98	40211	4.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.96%	
62) 4-Bromofluorobenzene	12.42	95	16927	4.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.66%	

Target Compounds					Qvalue	
3) Chloromethane	1.74	50	27092	5.385	ug/l	94
4) Vinyl Chloride	1.83	62	18496	4.834	ug/l #	85
5) Bromomethane	2.13	94	11584	5.211	ug/l	90
6) Chloroethane	2.24	64	8366	4.923	ug/l	94
7) Trichlorofluoromethane	2.49	101	19141	4.579	ug/l	98
8) Diethyl Ether	2.79	74	3500	4.344	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.07	101	14332	5.009	ug/l	92
10) Methyl Iodide	3.22	142	13790	4.536	ug/l #	86
11) Tert butyl alcohol	3.90	59	183	2.080	ug/l #	76
12) 1,1-Dichloroethene	3.05	96	12498	5.107	ug/l	98
13) Acrolein	2.94	56	3220	30.768	ug/l #	78
14) Allyl chloride	3.51	41	19830	4.830	ug/l	94
15) Acrylonitrile	4.03	53	12211	25.253	ug/l	86
16) Acetone	3.14	43	19410	39.112	ug/l	98
17) Carbon Disulfide	3.29	76	37929	4.715	ug/l	99
18) Methyl Acetate	3.51	43	8301	6.429	ug/l #	91
19) Methyl tert-butyl Ether	4.07	73	16586	4.648	ug/l	99
20) Methylene Chloride	3.69	84	24120	7.246	ug/l	92
21) trans-1,2-Dichloroethene	4.06	96	15577	4.597	ug/l	88
22) Diisopropyl ether	4.81	45	45562	4.490	ug/l	99
23) Vinyl Acetate	4.77	43	87759	18.882	ug/l	98
24) 1,1-Dichloroethane	4.72	63	26009	4.867	ug/l	97
25) 2-Butanone	5.58	43	16393	24.018	ug/l #	89
26) 2,2-Dichloropropane	5.55	77	9439	3.253	ug/l	98
27) cis-1,2-Dichloroethene	5.57	96	14730	4.514	ug/l	92
28) Bromochloromethane	5.89	49	11286	5.465	ug/l	95
29) Tetrahydrofuran	5.92	42	7309	19.750	ug/l #	90
30) Chloroform	6.08	83	26021	4.825	ug/l	98
31) Cyclohexane	6.35	56	27530	5.666	ug/l #	89
32) 1,1,1-Trichloroethane	6.27	97	18305	4.386	ug/l	89
36) 1,1-Dichloropropene	6.50	75	19487	4.462	ug/l	97
37) Ethyl Acetate	5.66	43	6920	4.608	ug/l #	72
38) Carbon Tetrachloride	6.47	117	12002	3.580	ug/l #	86
39) Methylcyclohexane	8.02	83	18626	4.035	ug/l #	92

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ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Quant Time: Dec 20 01:05:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 01:02:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.77	78	51269	4.714	ug/l	95
41) Methacrylonitrile	5.89	41	9285	10.387	ug/l #	83
42) 1,2-Dichloroethane	6.88	62	12522	4.632	ug/l	100
43) Isopropyl Acetate	8.33	43	7889	3.976	ug/l	90
44) Trichloroethene	7.72	130	13705	4.299	ug/l	84
45) 1,2-Dichloropropane	8.08	63	12708	4.866	ug/l #	89
46) Dibromomethane	8.19	93	6555	4.707	ug/l	93
47) Bromodichloromethane	8.47	83	14830	4.241	ug/l #	90
48) Methyl methacrylate	8.22	41	5479	4.602	ug/l #	81
49) 1,4-Dioxane	8.20	88	191	14.875	ug/l #	19
51) 4-Methyl-2-Pentanone	9.33	43	26914	20.269	ug/l	93
52) Toluene	9.53	92	29663	4.474	ug/l	97
53) t-1,3-Dichloropropene	9.91	75	9034	3.391	ug/l #	84
54) cis-1,3-Dichloropropene	9.08	75	14351	4.022	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	8360	4.725	ug/l	99
56) Ethyl methacrylate	10.02	69	4605	2.926	ug/l	90
57) 1,3-Dichloropropane	10.37	76	14272	4.784	ug/l	89
58) 2-Chloroethyl Vinyl ether	8.90	63	12104	26.121	ug/l	94
59) 2-Hexanone	10.48	43	17922	18.821	ug/l	92
60) Dibromochloromethane	10.63	129	9979	4.312	ug/l	100
61) 1,2-Dibromoethane	10.74	107	7804	4.423	ug/l	96
64) Tetrachloroethene	10.24	164	13760	4.393	ug/l #	84
65) Chlorobenzene	11.30	112	38188	4.955	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	12078	4.703	ug/l	91
67) Ethyl Benzene	11.42	91	60209	4.320	ug/l	96
68) m/p-Xylenes	11.56	106	45607	8.827	ug/l	95
69) o-Xylene	11.92	106	19605	3.843	ug/l	95
70) Styrene	11.95	104	33693	4.048	ug/l	99
71) Bromoform	12.11	173	6557	3.900	ug/l	96
73) Isopropylbenzene	12.27	105	58654	3.840	ug/l	96
74) N-amyl acetate	12.13	43	9625	2.916	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.55	83	11793	4.419	ug/l	93
76) 1,2,3-Trichloropropane	12.59	75	10887	4.482	ug/l	99
77) Bromobenzene	12.53	156	18071	4.234	ug/l	94
78) n-propylbenzene	12.63	91	87746	4.145	ug/l	96
79) 2-Chlorotoluene	12.70	91	50148	4.347	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	55645	4.078	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	1709	3.054	ug/l	87
82) 4-Chlorotoluene	12.80	91	61623	4.540	ug/l	97
83) tert-Butylbenzene	13.05	119	63524	4.037	ug/l	100
84) 1,2,4-Trimethylbenzene	13.09	105	66326	4.419	ug/l	98
85) sec-Butylbenzene	13.21	105	79406	3.937	ug/l	96
86) p-Isopropyltoluene	13.34	119	72822	4.192	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	44474	4.648	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	47536	4.918	ug/l	95
89) n-Butylbenzene	13.65	91	84387	4.238	ug/l	98
90) Hexachloroethane	13.85	117	16675	4.000	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	40510	4.636	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	2035	4.408	ug/l	66
93) 1,2,4-Trichlorobenzene	14.79	180	36416	4.094	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
Quantitation Report (Not Reviewed)

Data File : VD060644.D
Acq On : 19 Dec 2018 18:09
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Dec 20 01:05:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 01:02:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.88	225	29418	4.460	ug/l	97
95) Naphthalene	14.97	128	38566	3.678	ug/l	98
96) 1,2,3-Trichlorobenzene	15.11	180	29371	4.044	ug/l	99

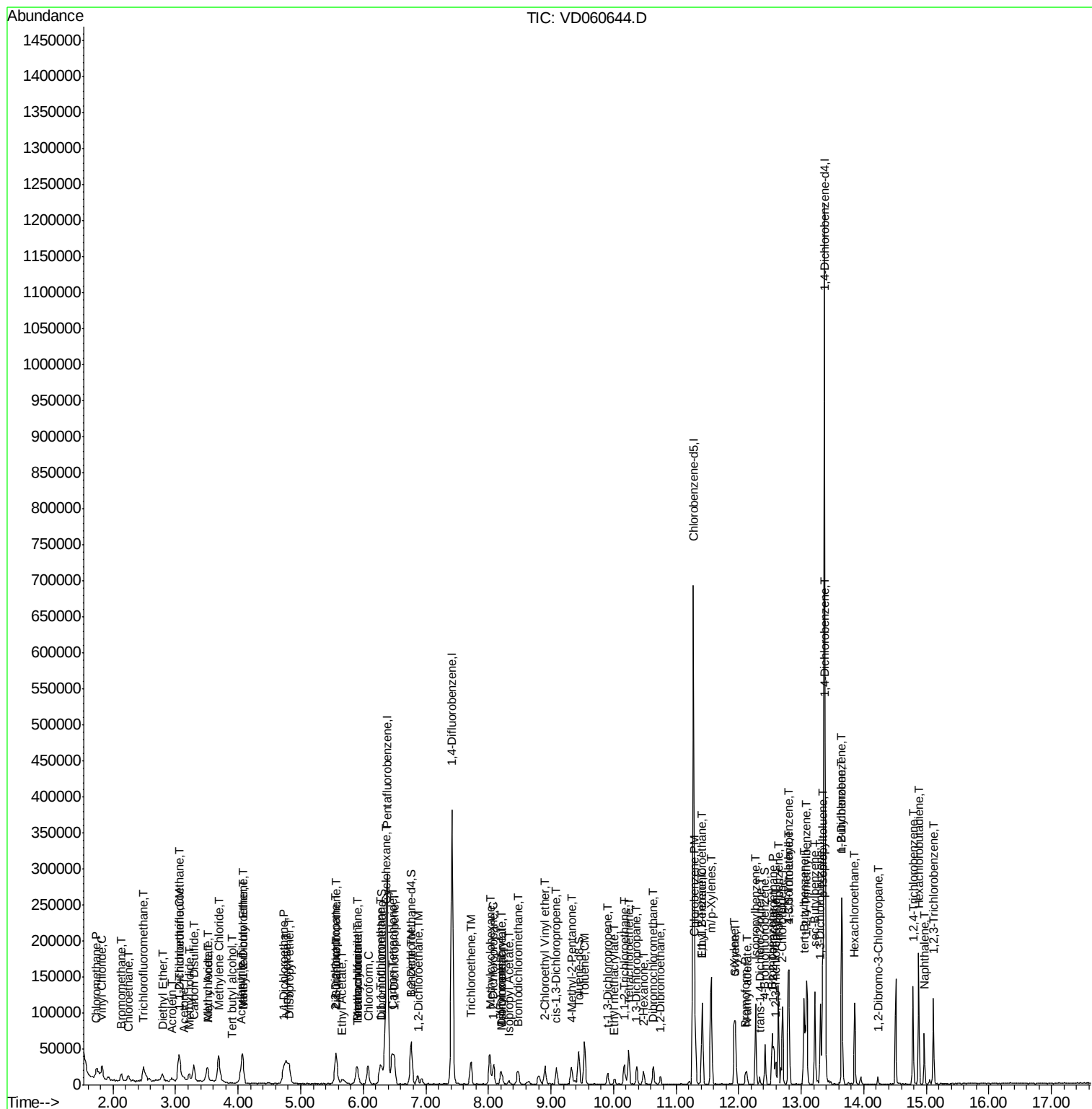
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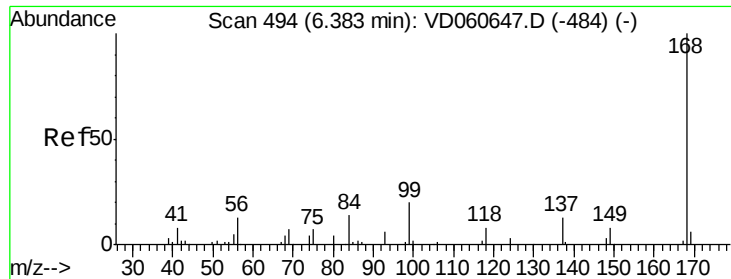
Data File : VD060644.D

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Acq On       : 19 Dec 2018  18:09
Operator     : VA/AP
Sample       : VSTDIC005
Misc         : 5.00G/5ml/MSVOA_D/
ALS Vial     : 18      Sample Multip
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Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Quant Time: Dec 20 01:05:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 01:02:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

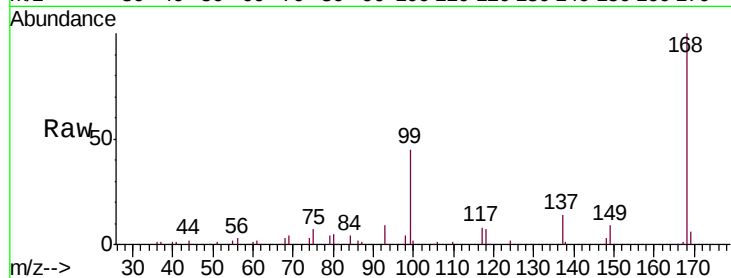
VSTDIC005

Tgt Ion:168 Resp: 283283

Ion Ratio Lower Upper

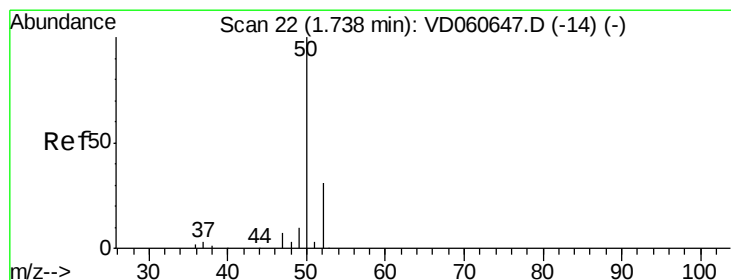
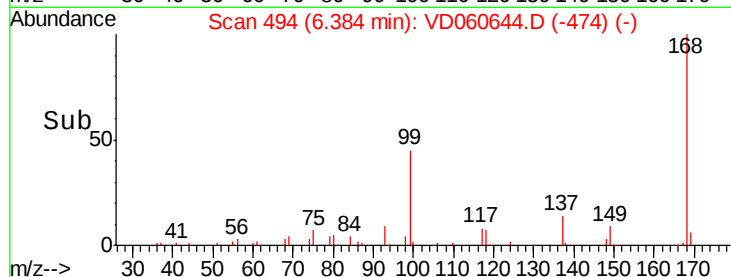
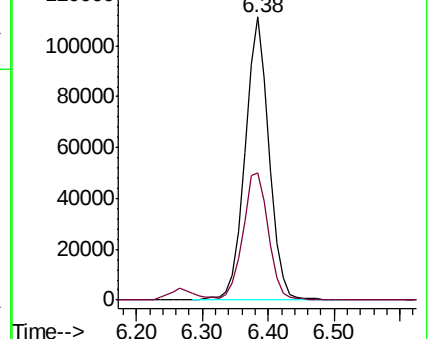
168 100

99 45.1 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 5.385 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060644.D

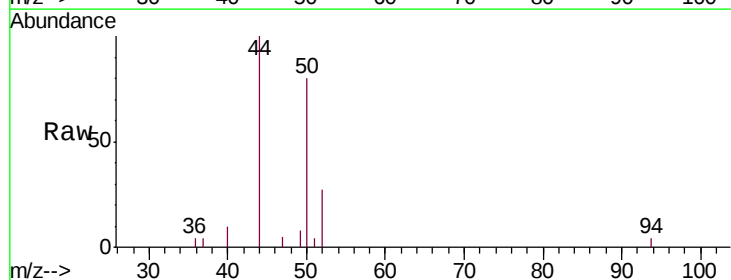
Acq: 19 Dec 2018 18:09

Tgt Ion: 50 Resp: 27092

Ion Ratio Lower Upper

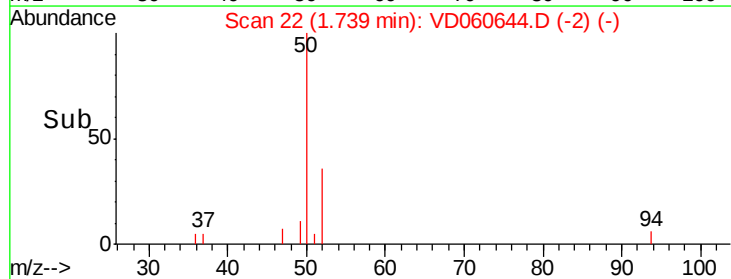
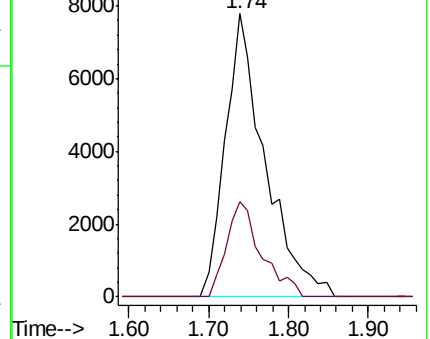
50 100

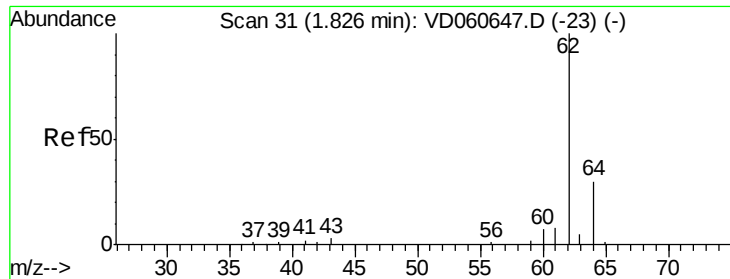
52 33.6 24.4 36.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 4.834 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

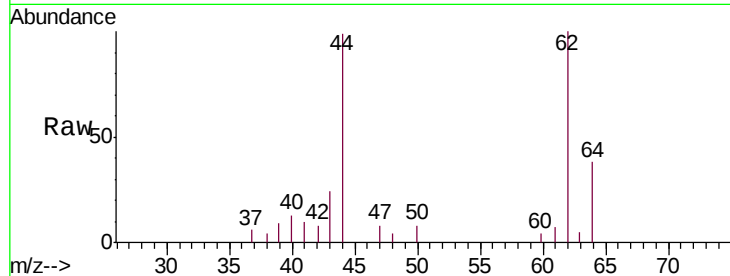
VSTDIC005

Tgt Ion: 62 Resp: 18496

Ion Ratio Lower Upper

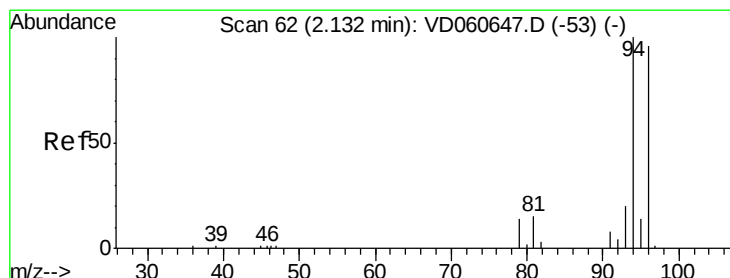
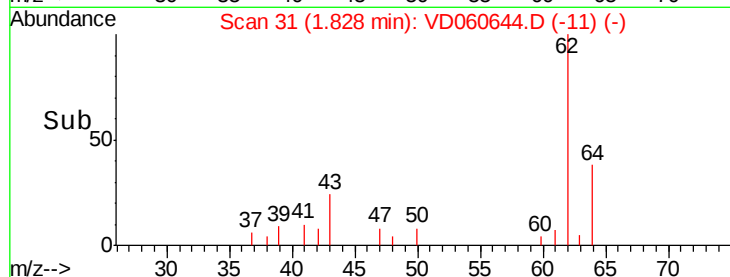
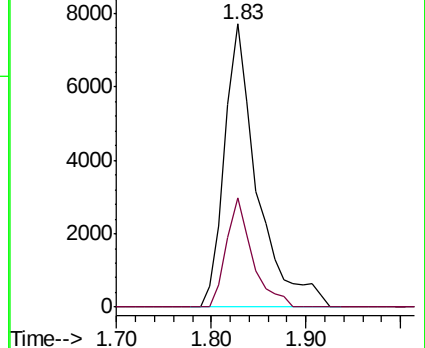
62 100

64 38.4 24.3 36.5#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#5

Bromomethane

Concen: 5.211 ug/l

RT: 2.13 min Scan# 62

Delta R.T. 0.00 min

Lab File: VD060644.D

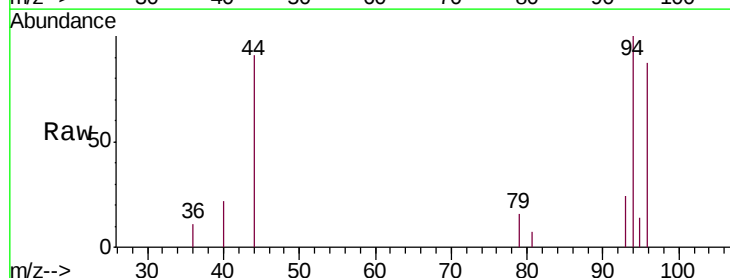
Acq: 19 Dec 2018 18:09

Tgt Ion: 94 Resp: 11584

Ion Ratio Lower Upper

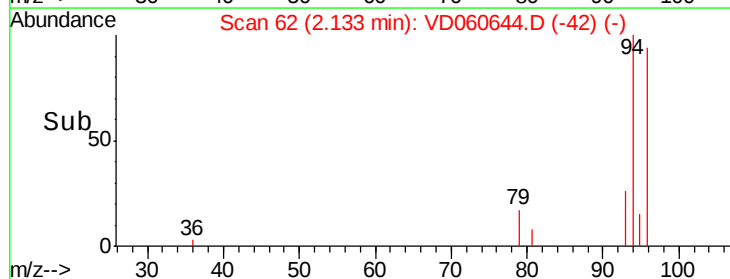
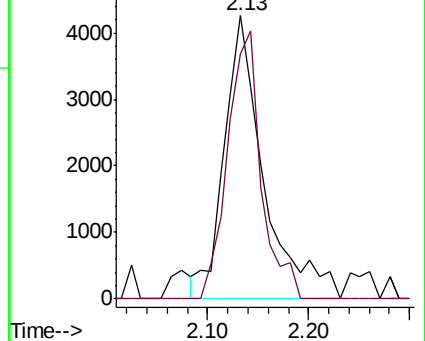
94 100

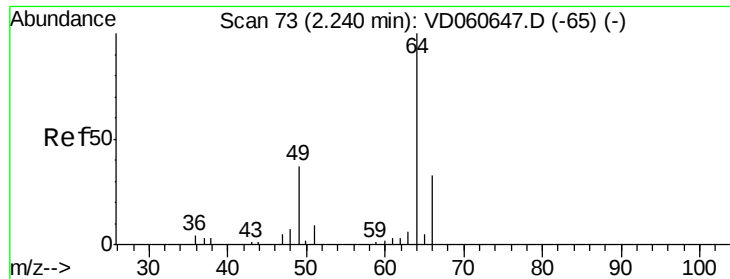
96 86.5 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#6

Chloroethane

Concen: 4.923 ug/l

RT: 2.24 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

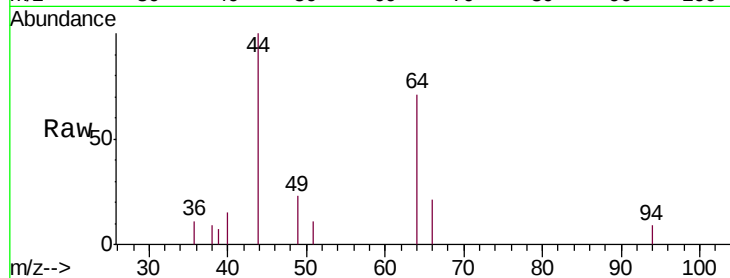
VSTDIC005

Tgt Ion: 64 Resp: 8366

Ion Ratio Lower Upper

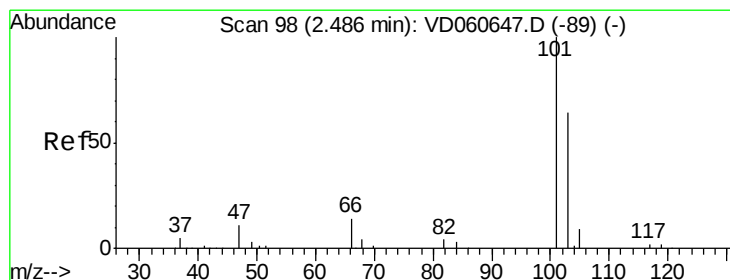
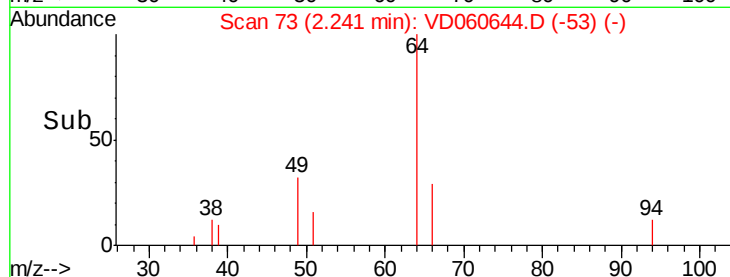
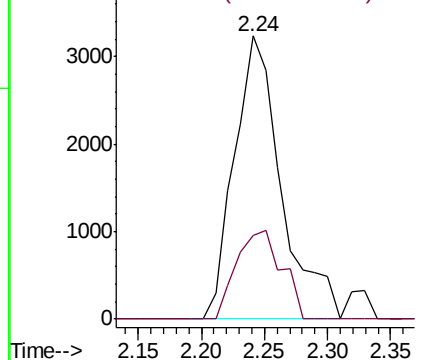
64 100

66 29.5 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#7

Trichlorofluoromethane

Concen: 4.579 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.00 min

Lab File: VD060644.D

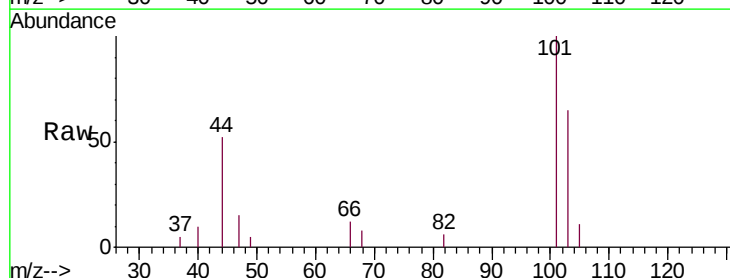
Acq: 19 Dec 2018 18:09

Tgt Ion: 101 Resp: 19141

Ion Ratio Lower Upper

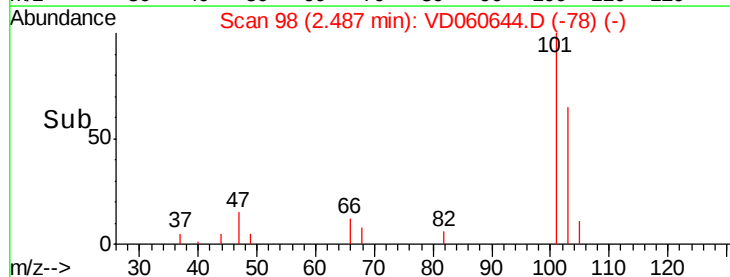
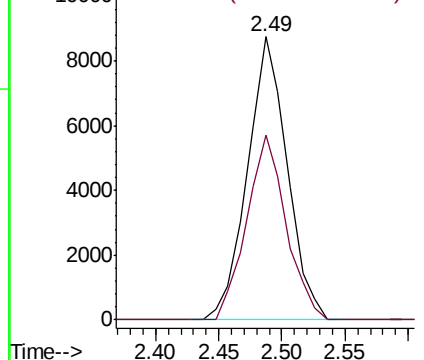
101 100

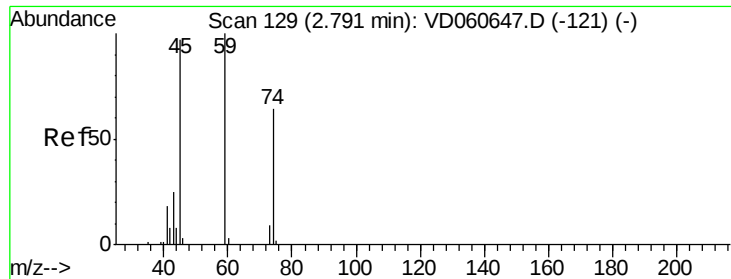
103 65.5 51.4 77.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V





#8

Diethyl Ether

Concen: 4.344 ug/l

RT: 2.79 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

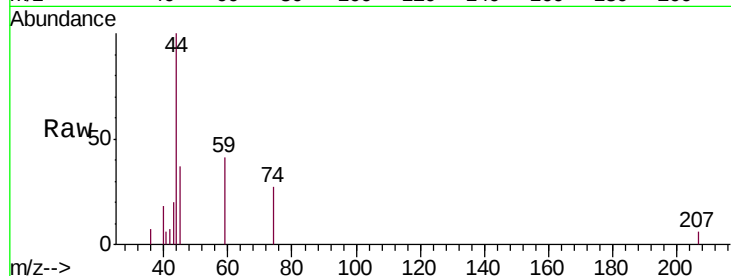
VSTDIC005

Tgt Ion: 74 Resp: 3500

Ion Ratio Lower Upper

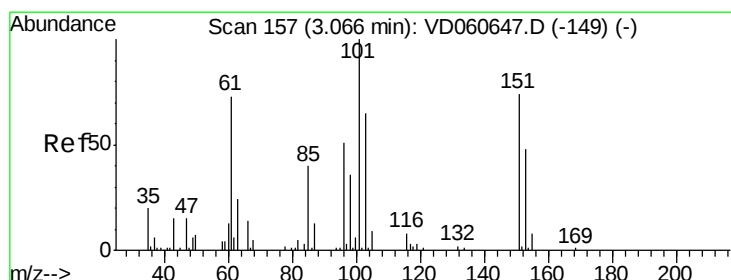
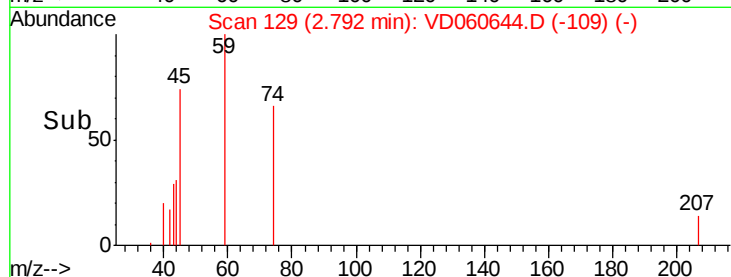
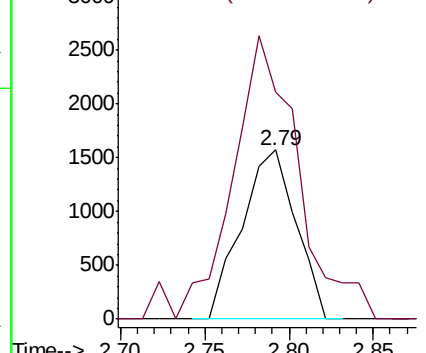
74 100

45 134.2 75.0 225.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.009 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

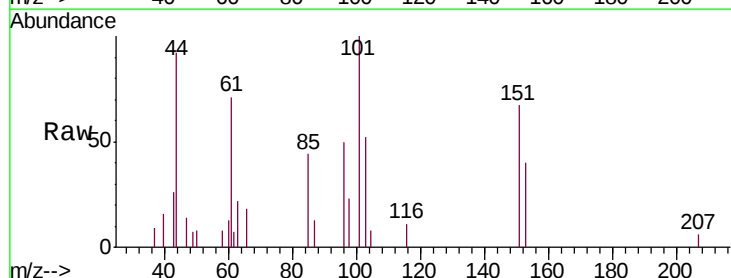
Tgt Ion: 101 Resp: 14332

Ion Ratio Lower Upper

101 100

85 44.5 31.7 47.5

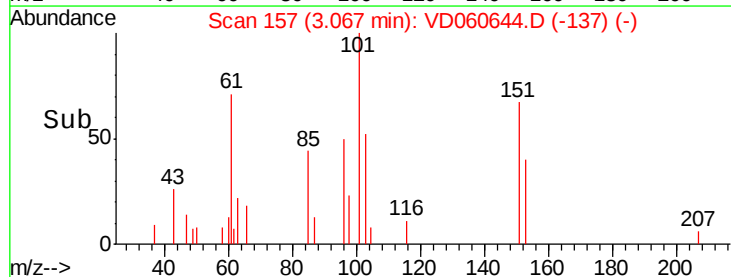
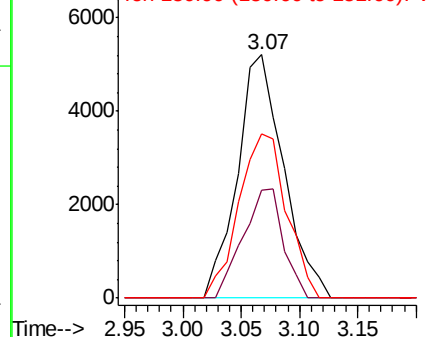
151 67.2 58.9 88.3

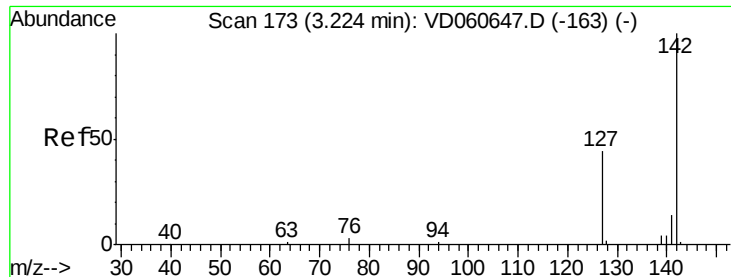


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V

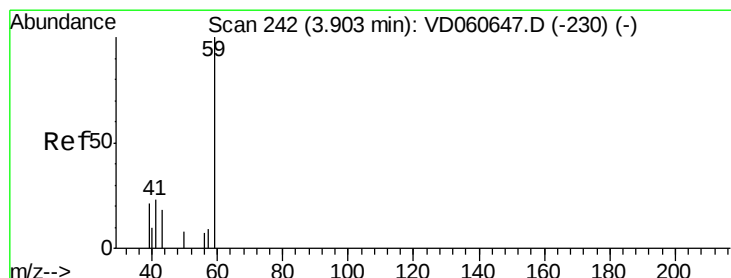
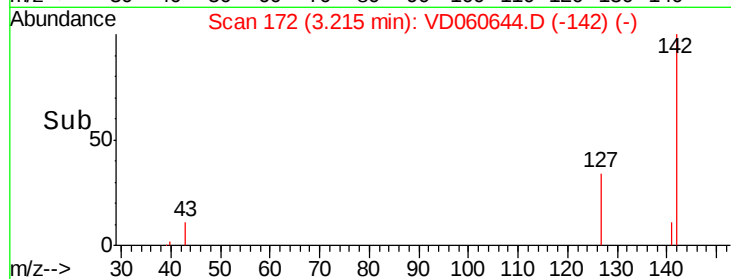
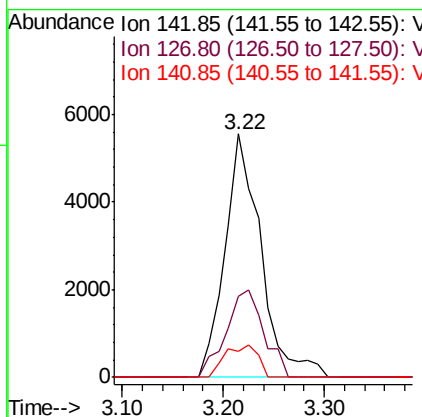
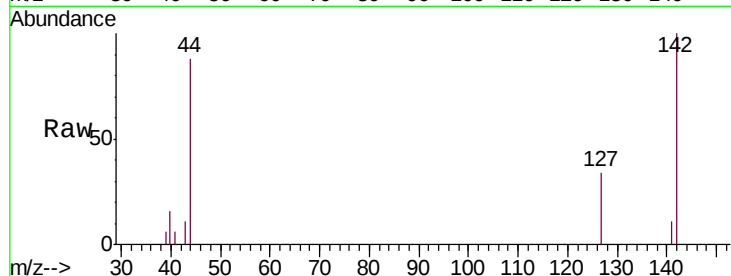




#10
Methyl Iodide
Concen: 4.536 ug/l
RT: 3.22 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

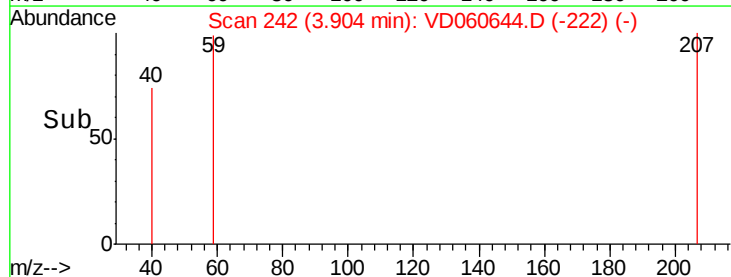
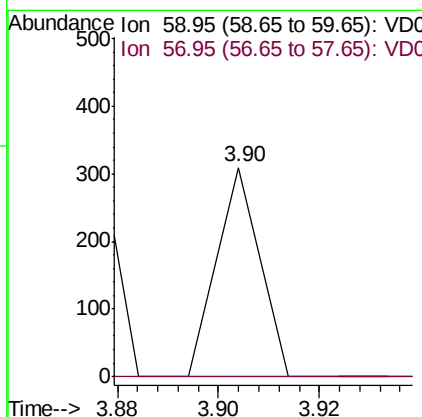
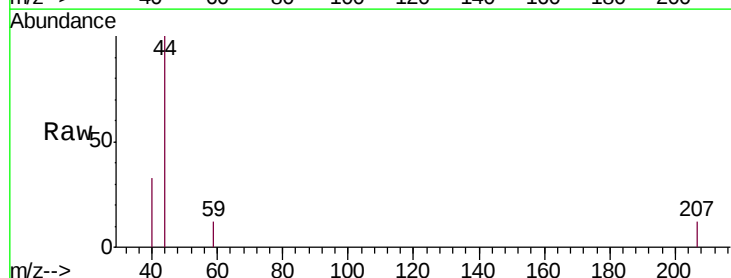
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

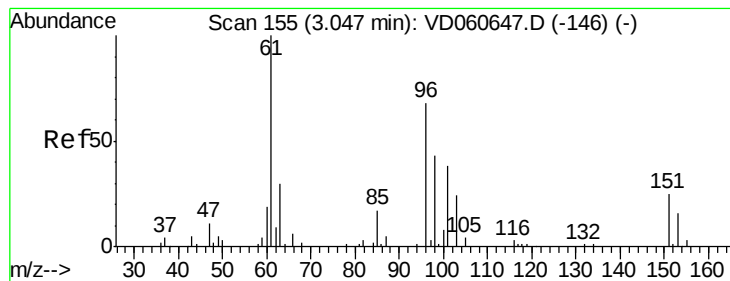
Tgt Ion: 142 Resp: 13790
Ion Ratio Lower Upper
142 100
127 33.5 35.3 52.9#
141 10.9 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.080 ug/l
RT: 3.90 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Tgt Ion: 59 Resp: 183
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.6#





#12

1,1-Dichloroethene

Concen: 5.107 ug/l

RT: 3.05 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

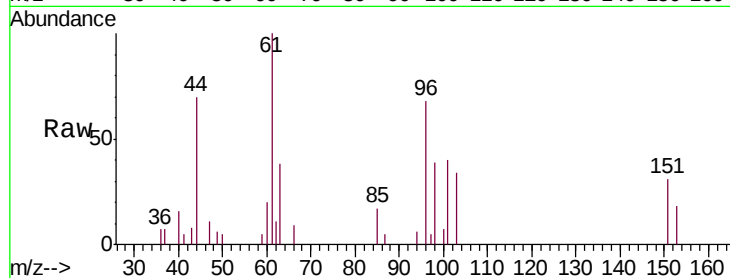
Tgt Ion: 96 Resp: 12498

Ion Ratio Lower Upper

96 100

61 147.2 117.7 176.5

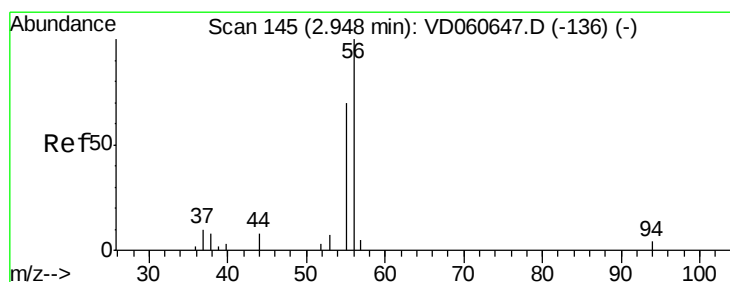
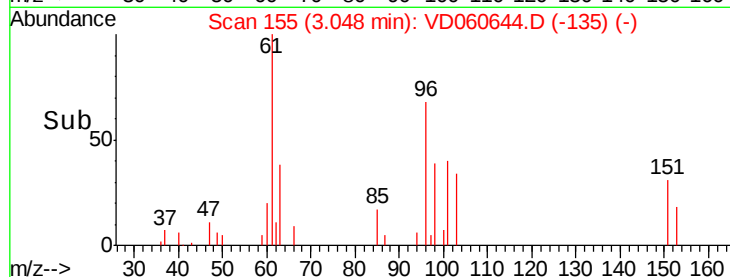
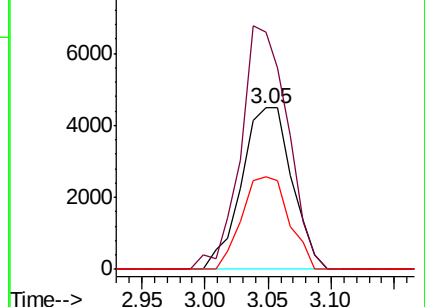
98 57.2 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#13

Acrolein

Concen: 30.768 ug/l

RT: 2.94 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD060644.D

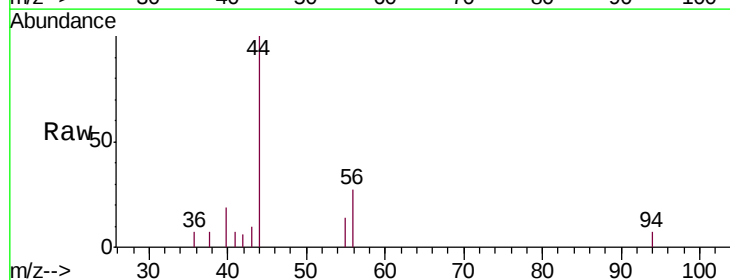
Acq: 19 Dec 2018 18:09

Tgt Ion: 56 Resp: 3220

Ion Ratio Lower Upper

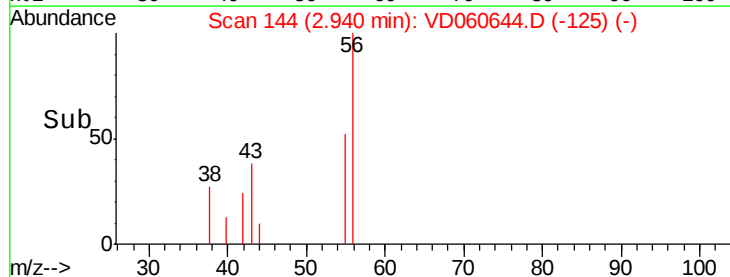
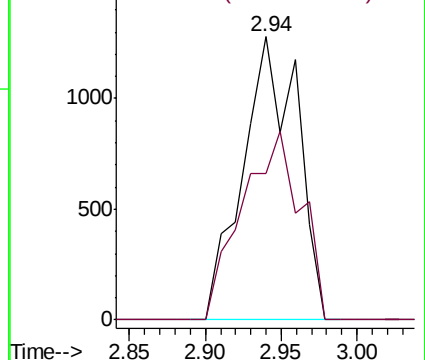
56 100

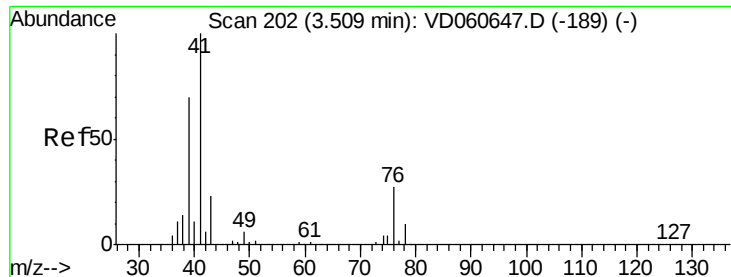
55 52.0 55.8 83.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

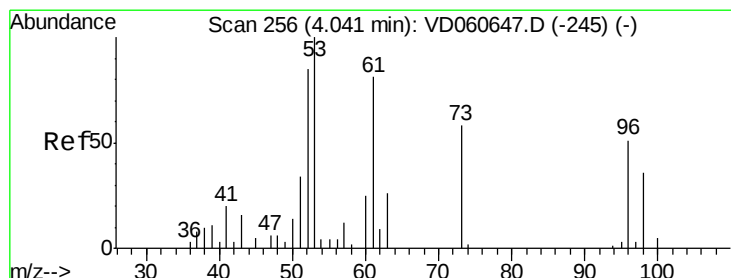
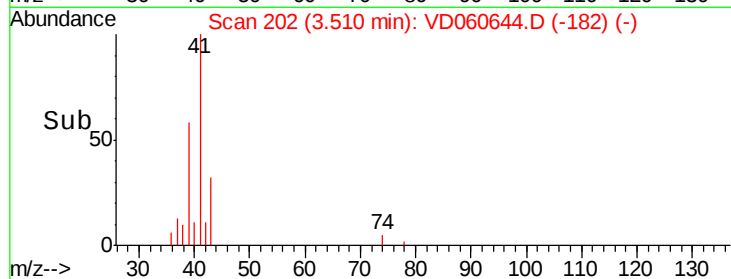
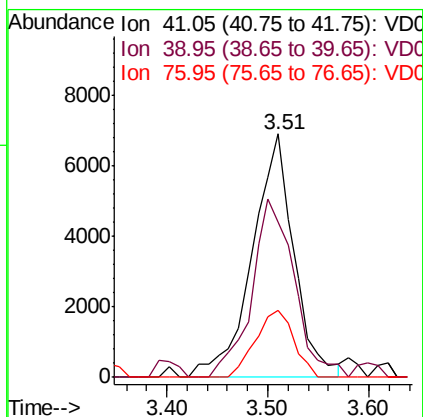
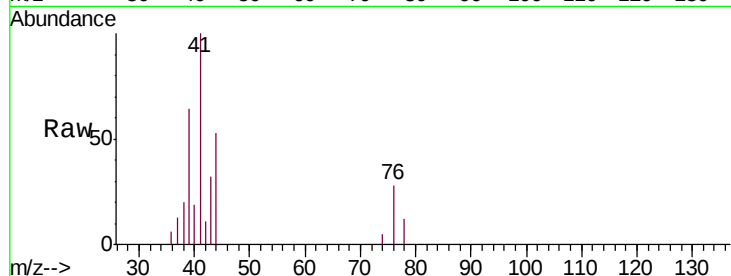




#14
 Allyl chloride
 Concen: 4.830 ug/l
 RT: 3.51 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VD060644.D
 Acq: 19 Dec 2018 18:09

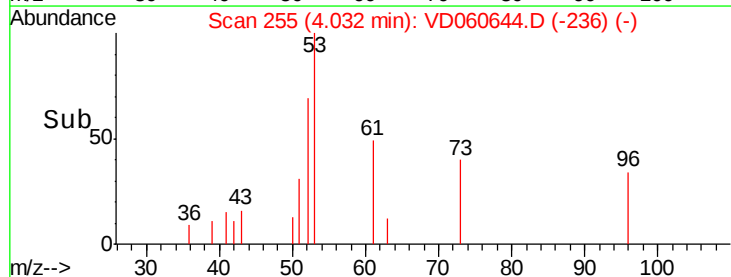
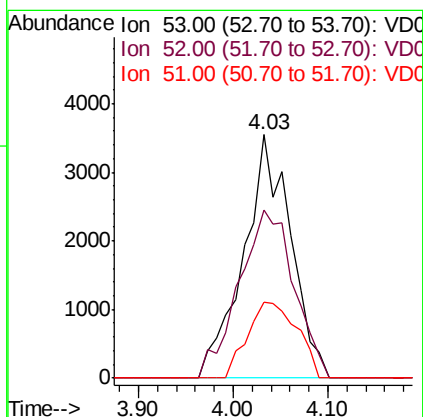
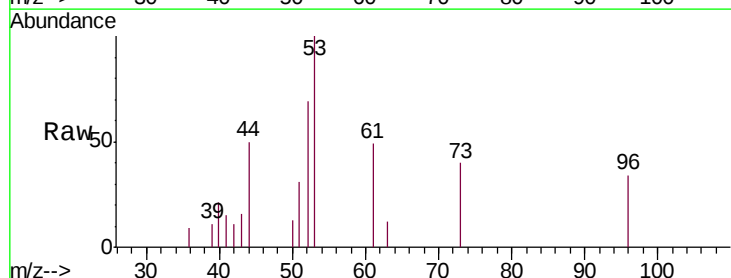
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

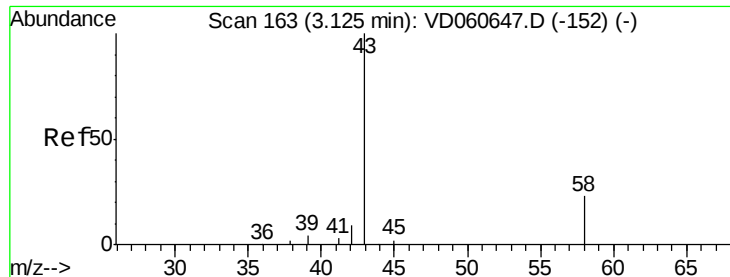
Tgt Ion: 41 Resp: 19830
 Ion Ratio Lower Upper
 41 100
 39 64.0 55.7 83.5
 76 27.7 23.9 35.9



#15
 Acrylonitrile
 Concen: 25.253 ug/l
 RT: 4.03 min Scan# 255
 Delta R.T. -0.01 min
 Lab File: VD060644.D
 Acq: 19 Dec 2018 18:09

Tgt Ion: 53 Resp: 12211
 Ion Ratio Lower Upper
 53 100
 52 69.2 68.2 102.4
 51 31.1 27.3 40.9





#16

Acetone

Concen: 39.112 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

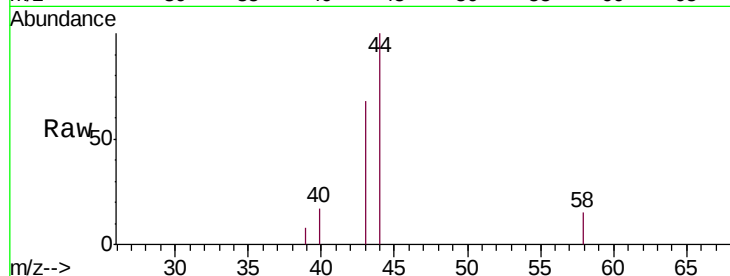
VSTDIC005

Tgt Ion: 43 Resp: 19410

Ion Ratio Lower Upper

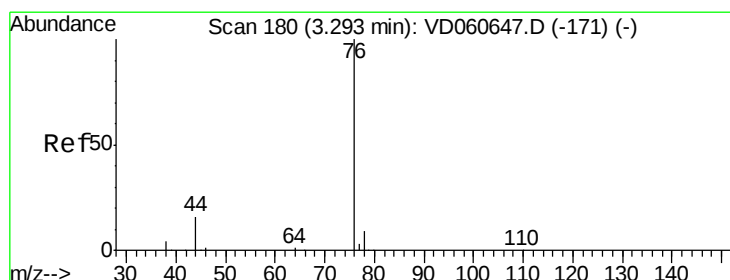
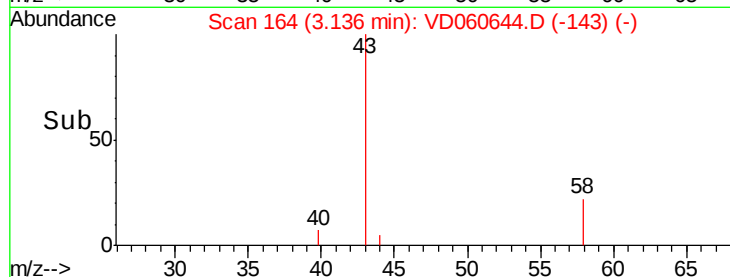
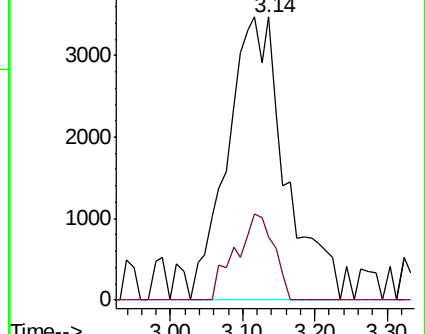
43 100

58 22.2 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 4.715 ug/l

RT: 3.29 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD060644.D

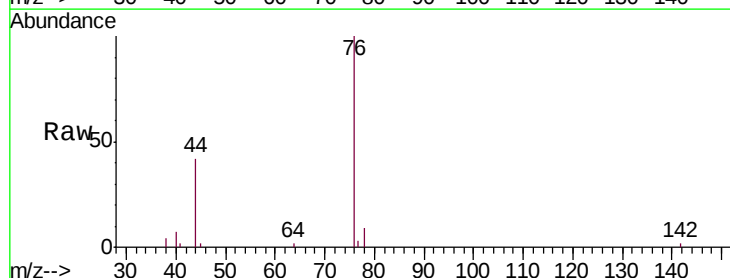
Acq: 19 Dec 2018 18:09

Tgt Ion: 76 Resp: 37929

Ion Ratio Lower Upper

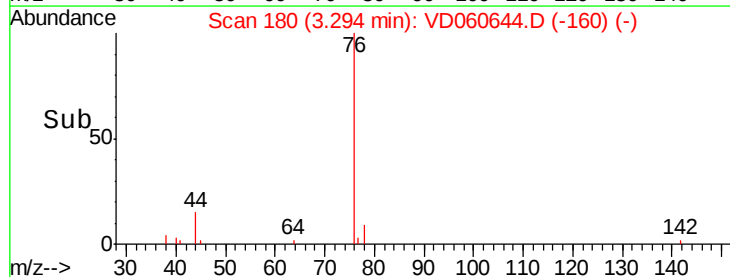
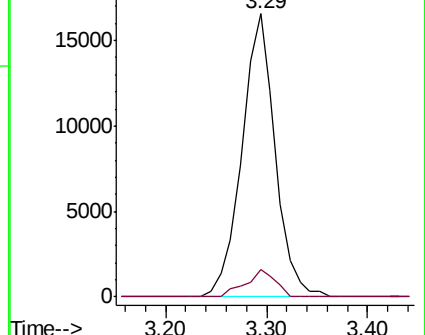
76 100

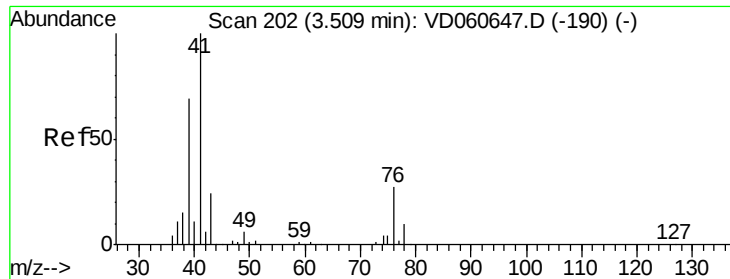
78 9.5 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

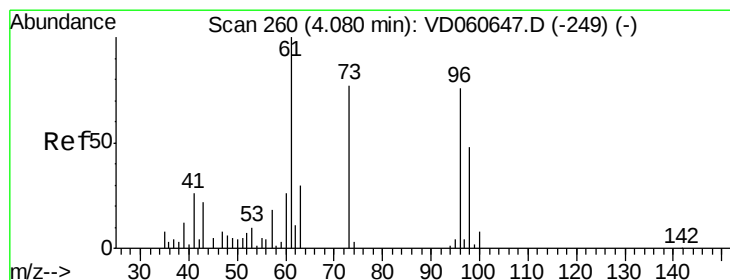
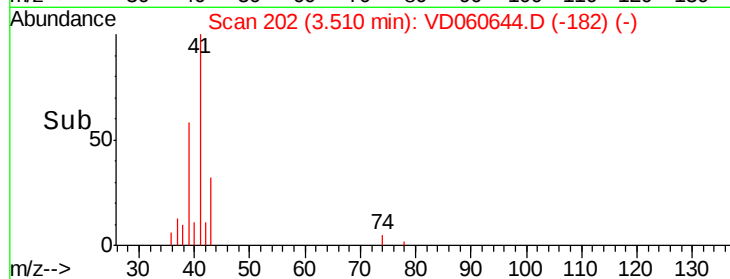
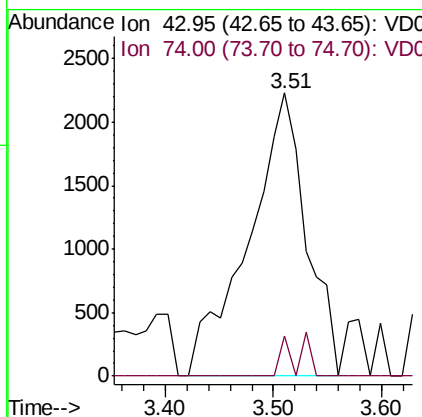
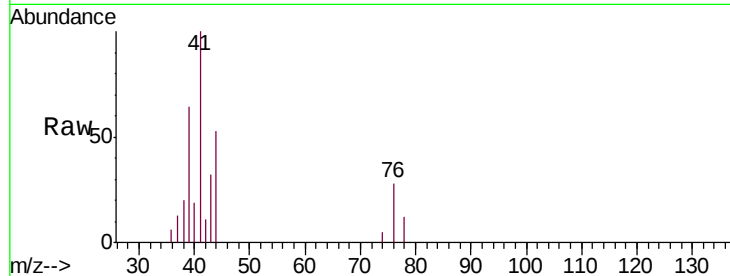




#18
Methyl Acetate
Concen: 6.429 ug/l
RT: 3.51 min Scan# 202
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

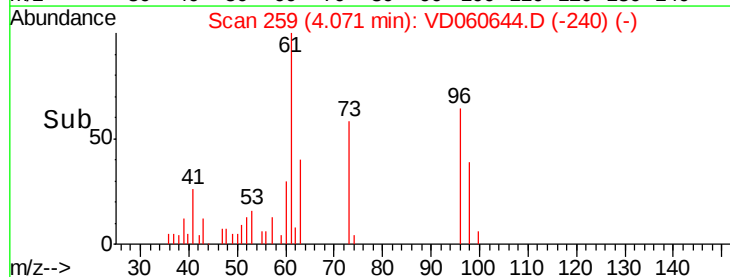
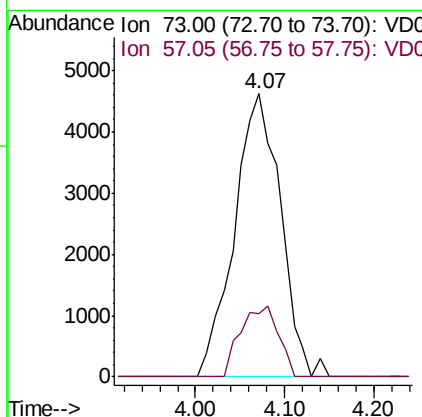
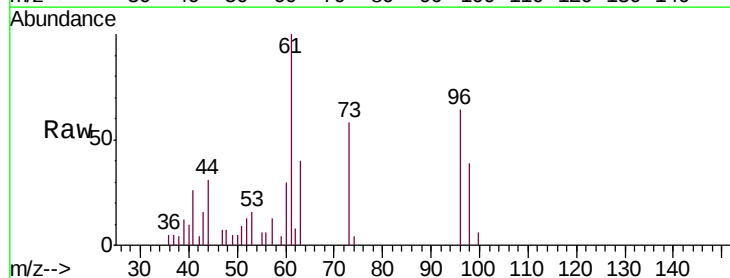
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

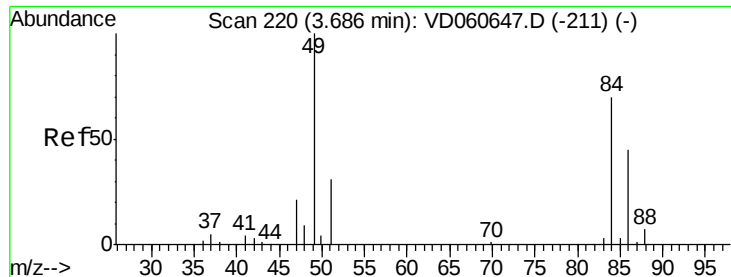
Tgt Ion: 43 Resp: 8301
Ion Ratio Lower Upper
43 100
74 14.1 14.6 21.8#



#19
Methyl tert-butyl Ether
Concen: 4.648 ug/l
RT: 4.07 min Scan# 259
Delta R.T. -0.01 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Tgt Ion: 73 Resp: 16586
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6

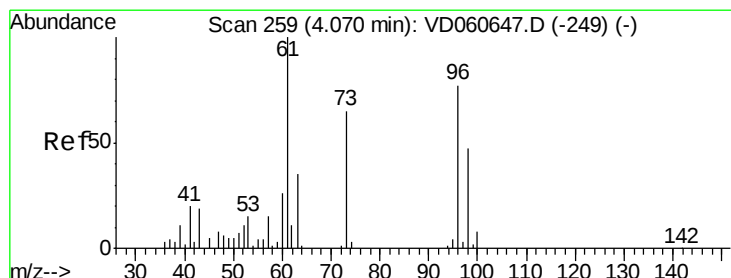
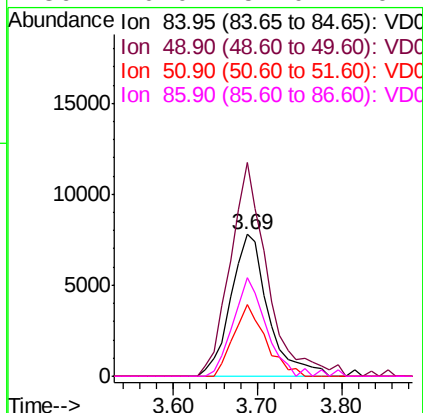
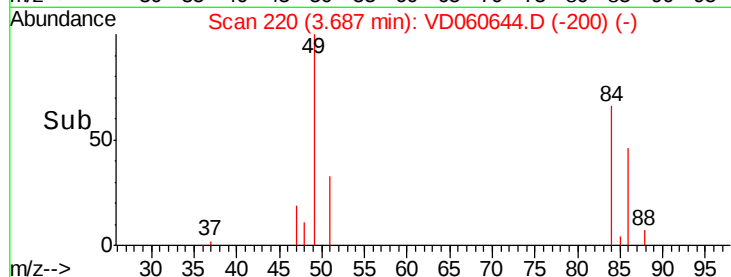
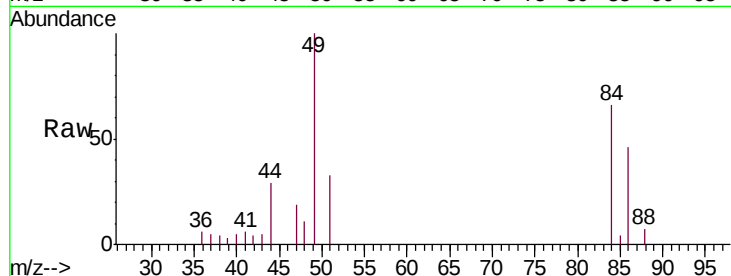




#20
Methylene Chloride
Concen: 7.246 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

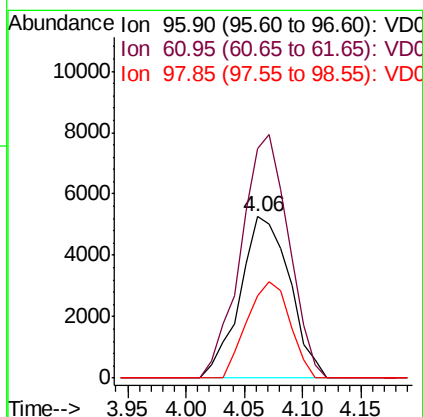
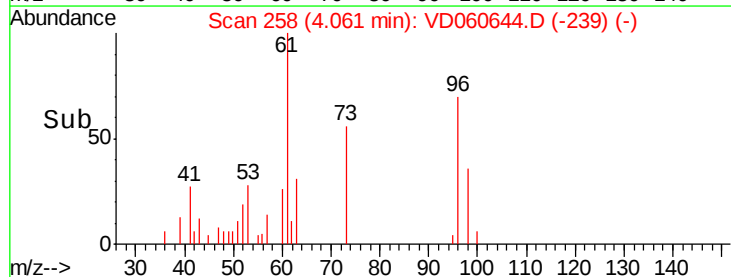
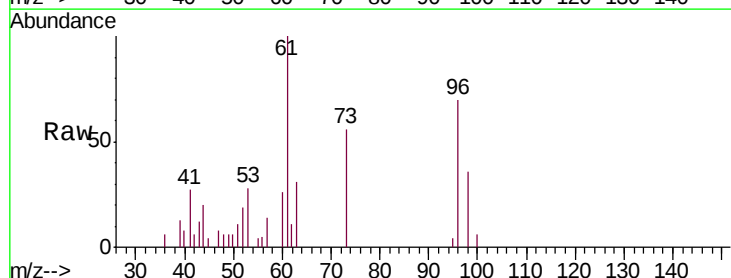
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

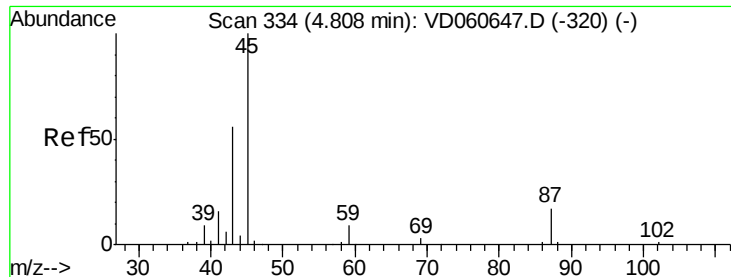
Tgt Ion: 84 Resp: 24120
Ion Ratio Lower Upper
84 100
49 150.8 113.9 170.9
51 50.3 34.8 52.2
86 70.0 51.0 76.4



#21
trans-1,2-Dichloroethene
Concen: 4.597 ug/l
RT: 4.06 min Scan# 258
Delta R.T. -0.01 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Tgt Ion: 96 Resp: 15577
Ion Ratio Lower Upper
96 100
61 142.4 103.5 155.3
98 50.8 49.0 73.4





#22

Diisopropyl ether

Concen: 4.490 ug/l

RT: 4.81 min Scan# 334

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 45 Resp: 45562

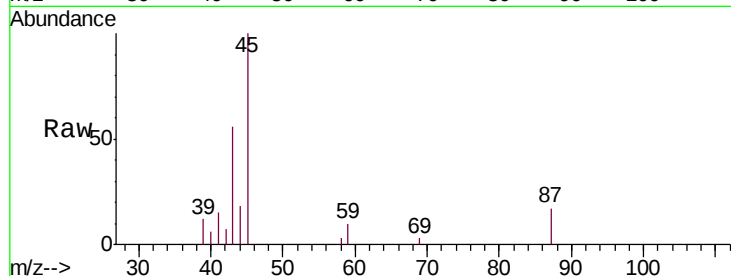
Ion Ratio Lower Upper

45 100

43 56.1 45.2 67.8

87 16.7 13.3 19.9

59 9.8 7.4 11.2

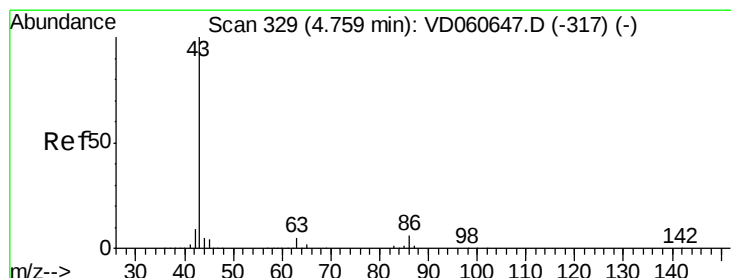
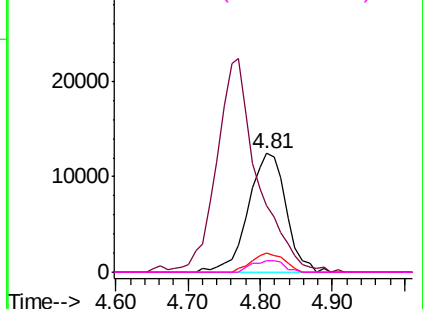
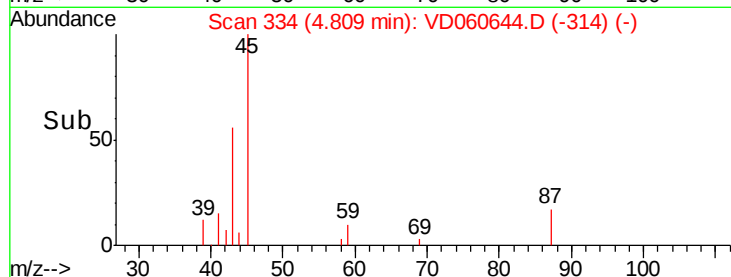


Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC



#23

Vinyl Acetate

Concen: 18.882 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.01 min

Lab File: VD060644.D

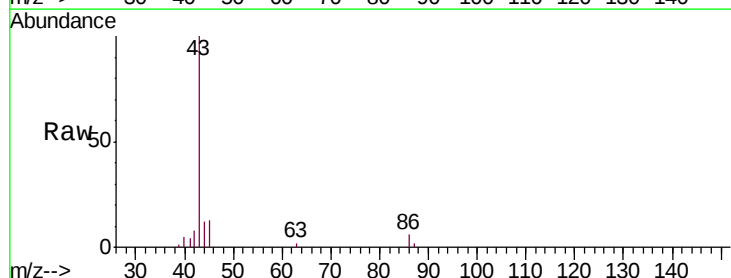
Acq: 19 Dec 2018 18:09

Tgt Ion: 43 Resp: 87759

Ion Ratio Lower Upper

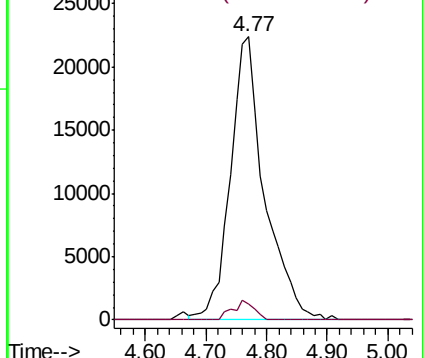
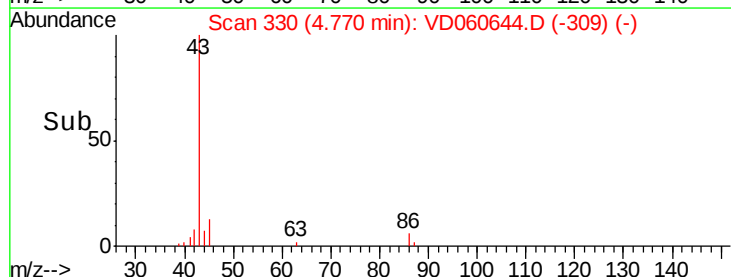
43 100

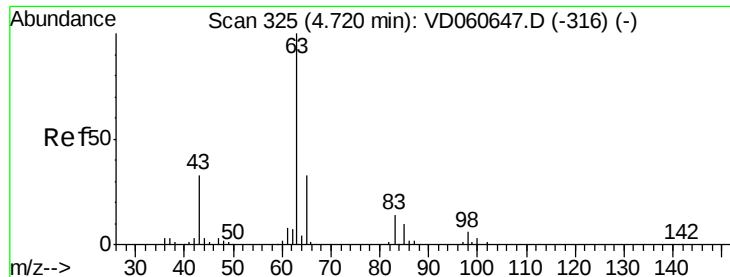
86 5.7 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 4.867 ug/l

RT: 4.72 min Scan# 325

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

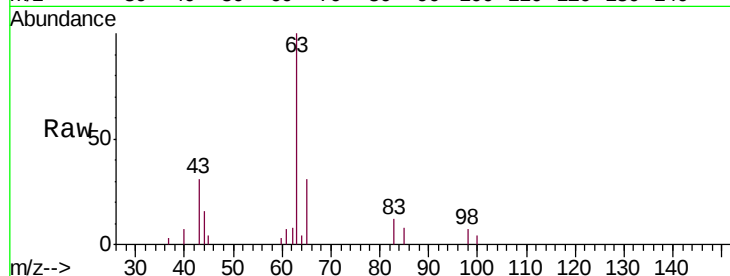
Tgt Ion: 63 Resp: 26009

Ion Ratio Lower Upper

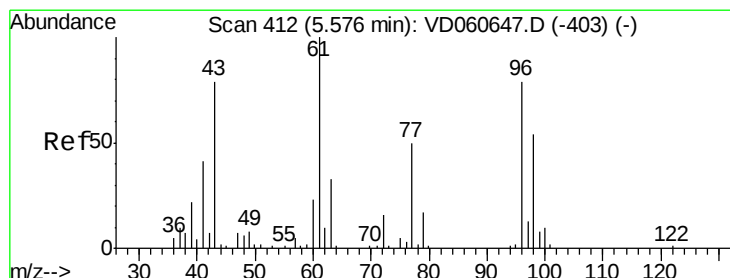
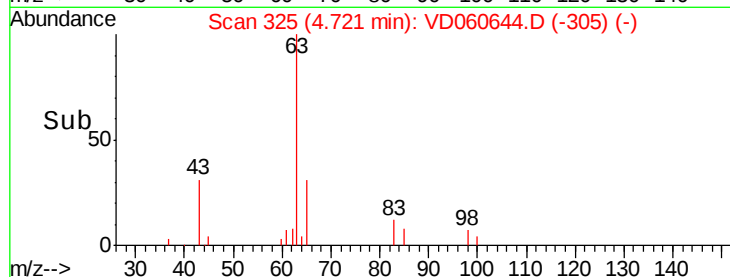
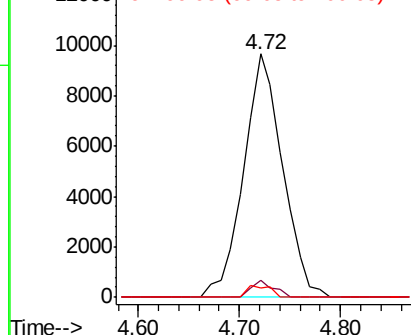
63 100

98 6.8 2.8 8.3

100 3.8 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 24.018 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.00 min

Lab File: VD060644.D

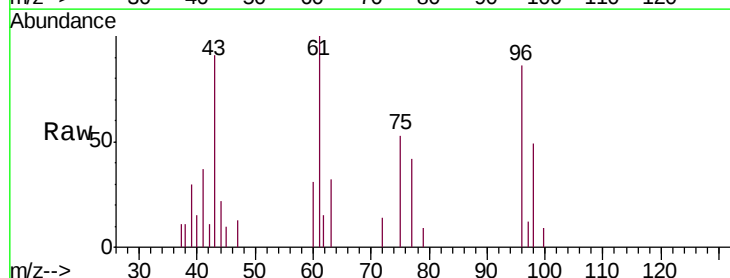
Acq: 19 Dec 2018 18:09

Tgt Ion: 43 Resp: 16393

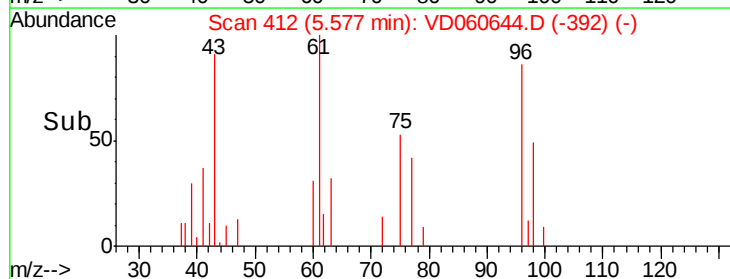
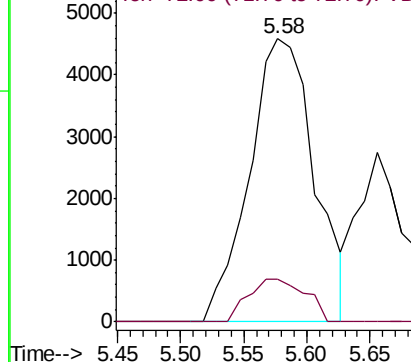
Ion Ratio Lower Upper

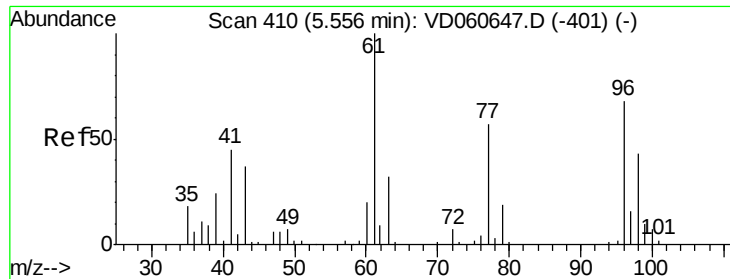
43 100

72 15.1 16.0 24.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 3.253 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

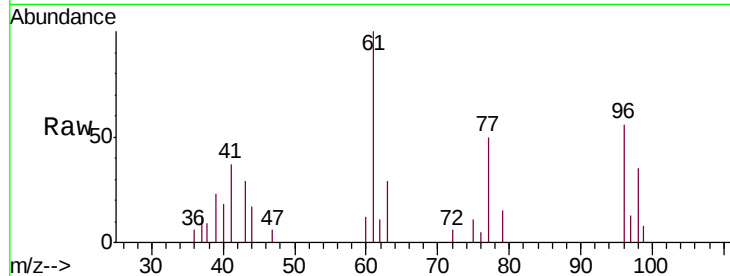
VSTDIC005

Tgt Ion: 77 Resp: 9439

Ion Ratio Lower Upper

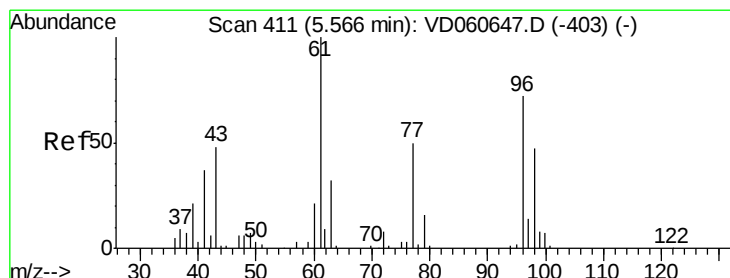
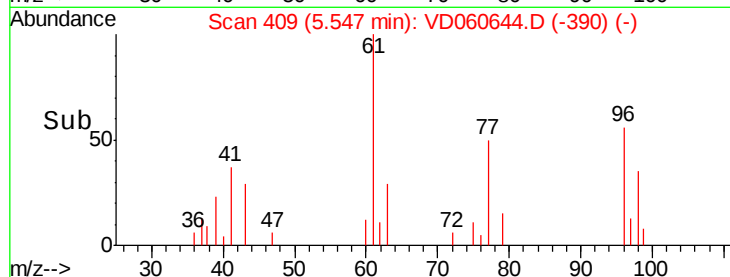
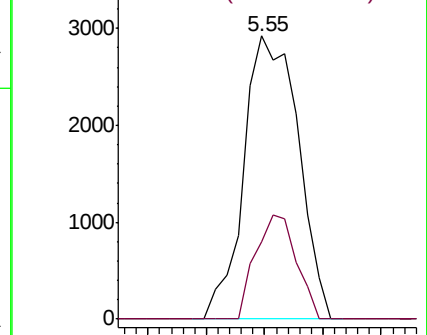
77 100

97 27.1 14.1 42.4



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



#27

cis-1,2-Dichloroethene

Concen: 4.514 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

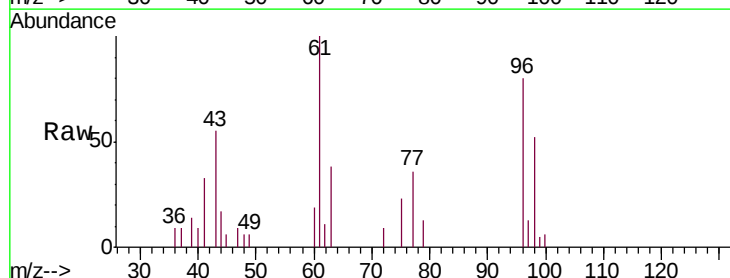
Tgt Ion: 96 Resp: 14730

Ion Ratio Lower Upper

96 100

61 124.3 0.0 276.4

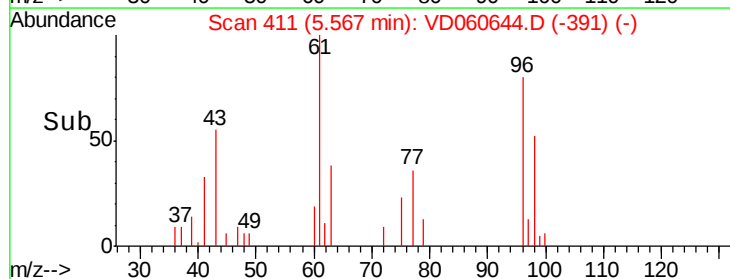
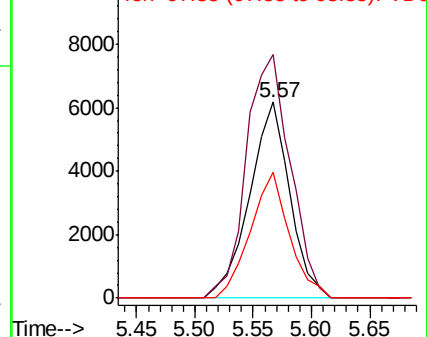
98 64.0 0.0 129.4

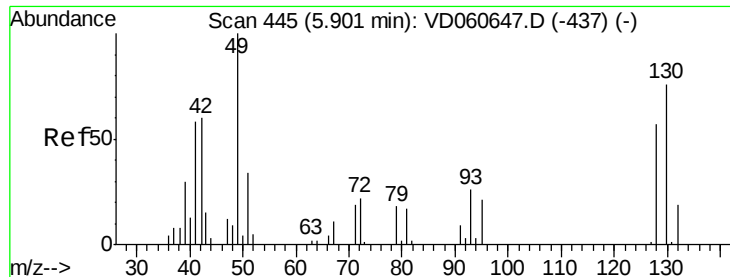


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#28

Bromochloromethane

Concen: 5.465 ug/l

RT: 5.89 min Scan# 444

Delta R.T. -0.01 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

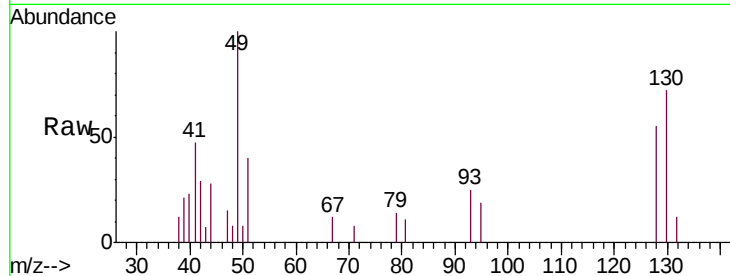
Tgt Ion: 49 Resp: 11286

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

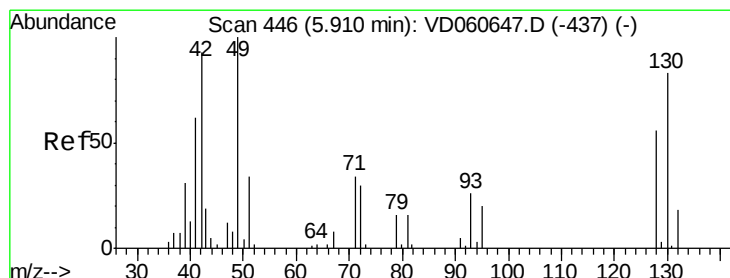
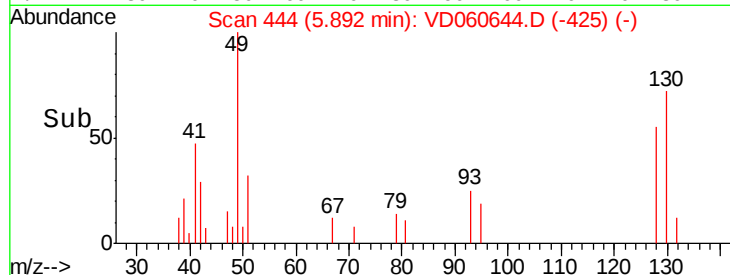
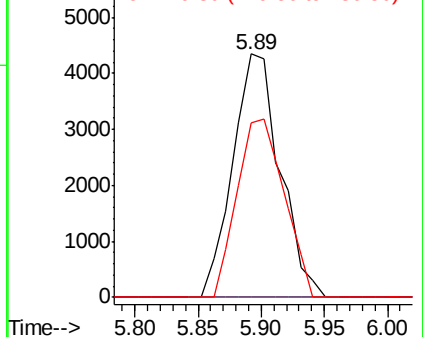
130 71.6 60.4 90.6



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#29

Tetrahydrofuran

Concen: 19.750 ug/l

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

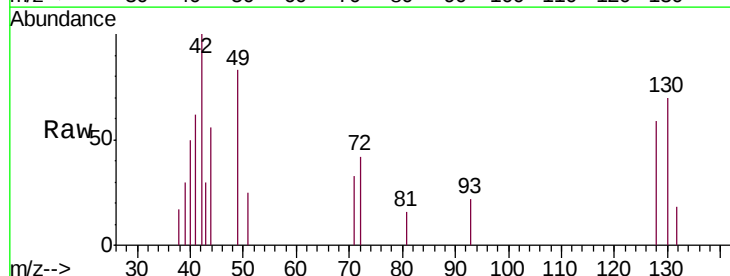
Tgt Ion: 42 Resp: 7309

Ion Ratio Lower Upper

42 100

72 29.5 26.5 39.7

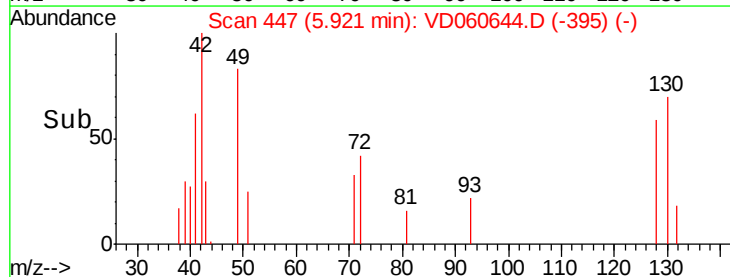
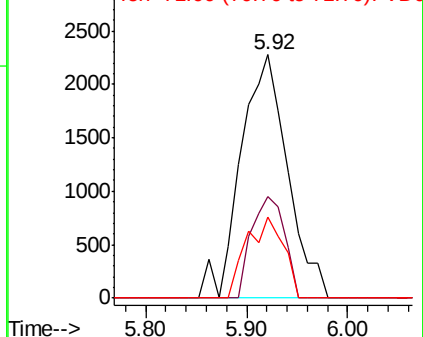
71 26.2 27.4 41.0#

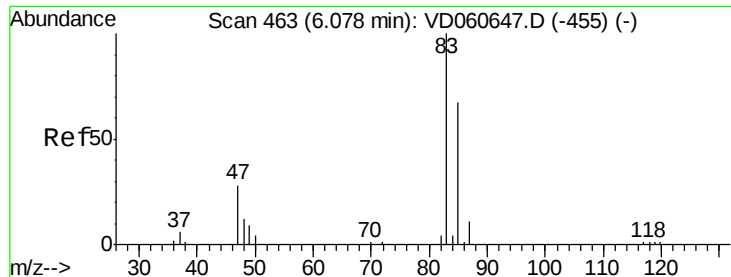


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

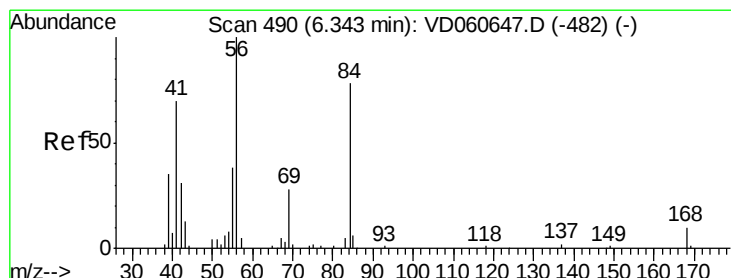
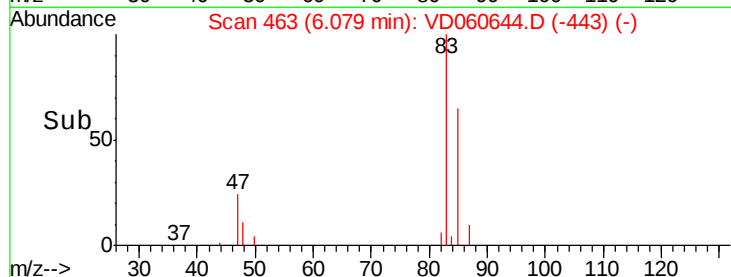
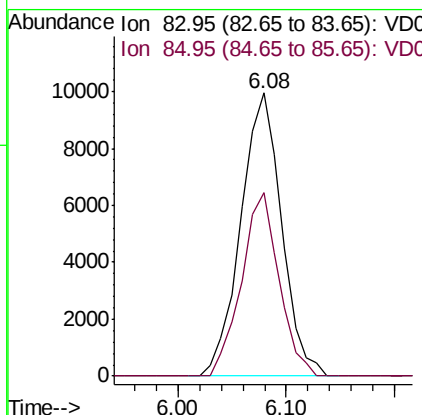
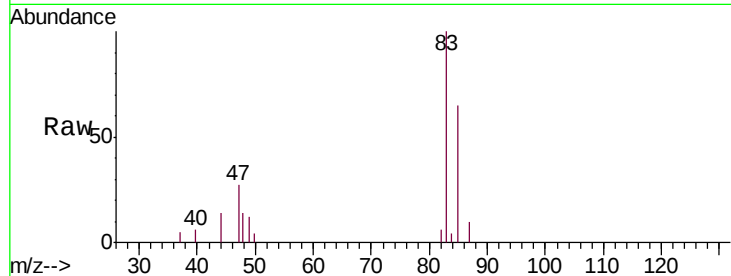




#30
Chloroform
Concen: 4.825 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

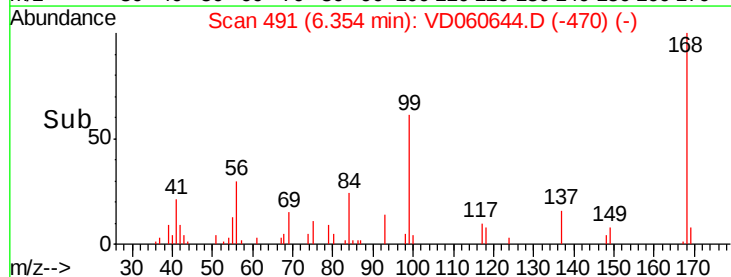
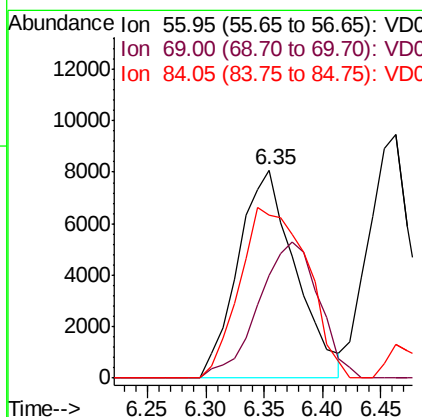
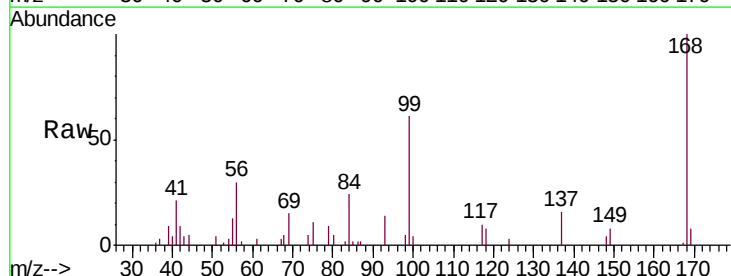
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

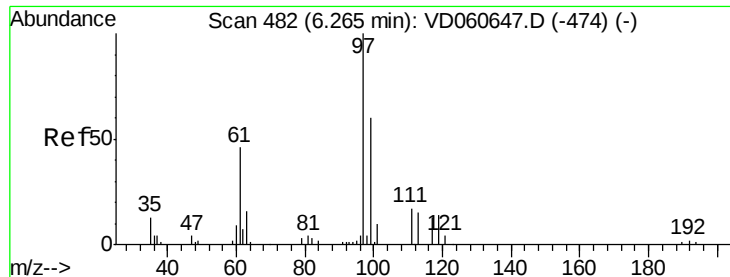
Tgt Ion: 83 Resp: 26021
Ion Ratio Lower Upper
83 100
85 64.9 53.4 80.2



#31
Cyclohexane
Concen: 5.666 ug/l
RT: 6.35 min Scan# 491
Delta R.T. 0.01 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Tgt Ion: 56 Resp: 27530
Ion Ratio Lower Upper
56 100
69 49.5 22.2 33.2#
84 78.3 62.4 93.6





#32

1,1,1-Trichloroethane

Concen: 4.386 ug/l

RT: 6.27 min Scan# 482

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

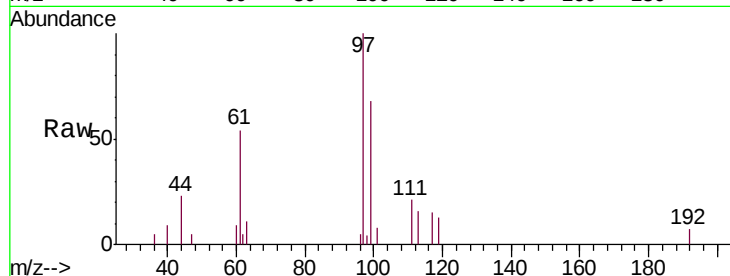
Tgt Ion: 97 Resp: 18305

Ion Ratio Lower Upper

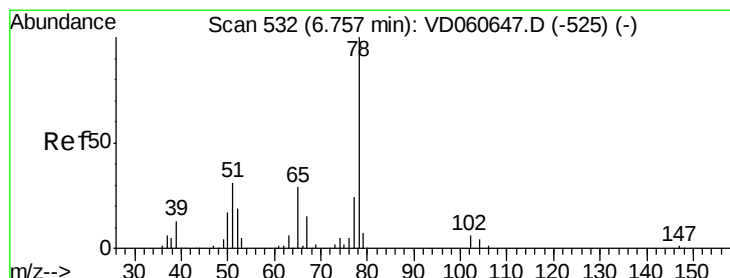
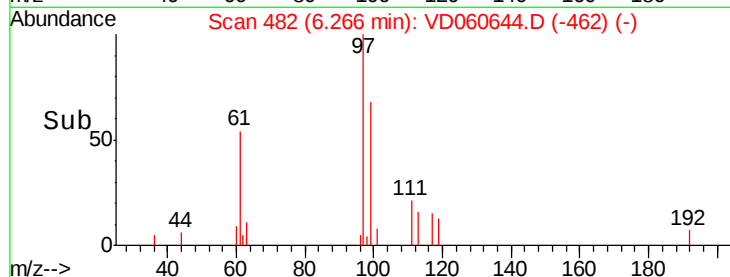
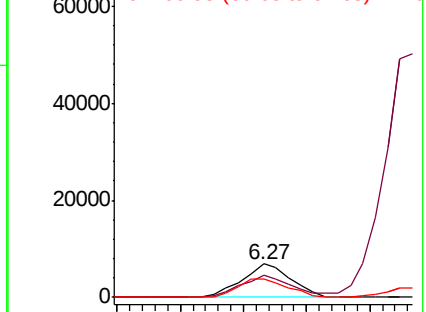
97 100

99 68.0 48.3 72.5

61 54.4 37.0 55.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 4.386 ug/l

RT: 6.76 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD060644.D

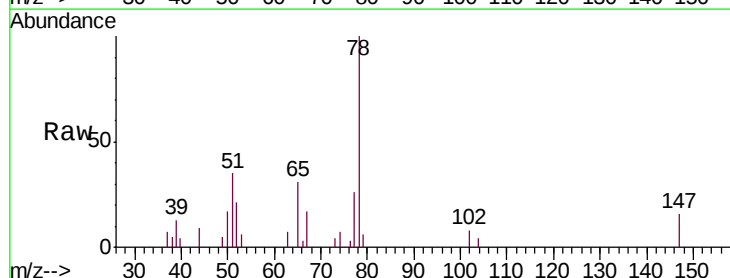
Acq: 19 Dec 2018 18:09

Tgt Ion: 65 Resp: 11178

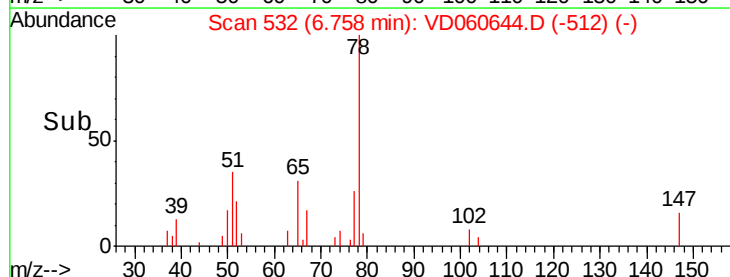
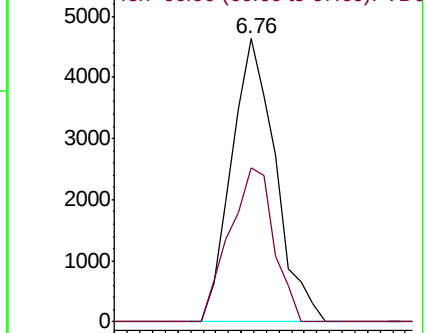
Ion Ratio Lower Upper

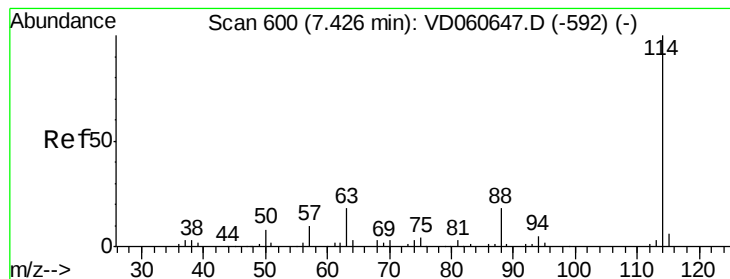
65 100

67 54.4 0.0 103.6



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.01 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

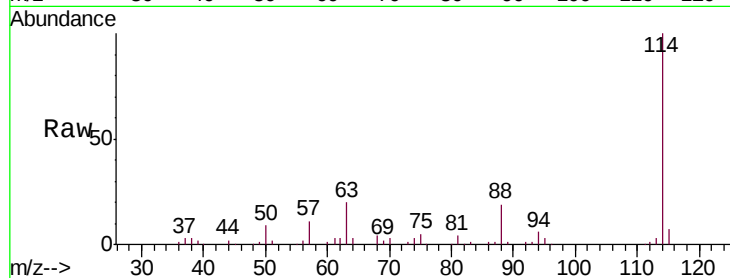
Tgt Ion:114 Resp: 387173

Ion Ratio Lower Upper

114 100

63 20.1 0.0 35.6

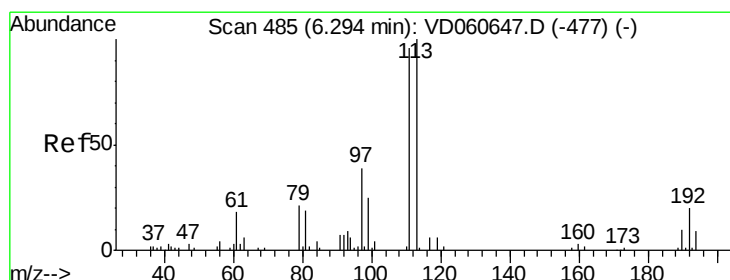
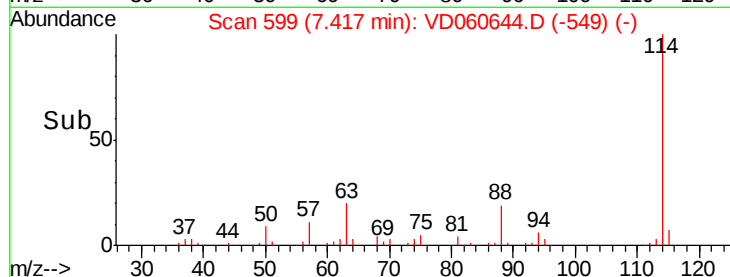
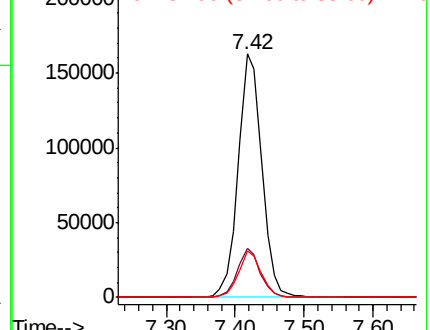
88 18.9 0.0 36.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

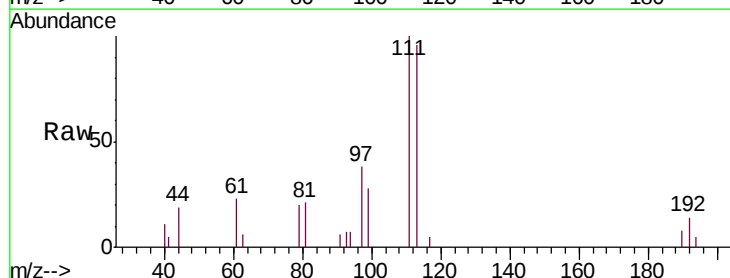
Tgt Ion:113 Resp: 14905

Ion Ratio Lower Upper

113 100

111 104.2 77.0 115.6

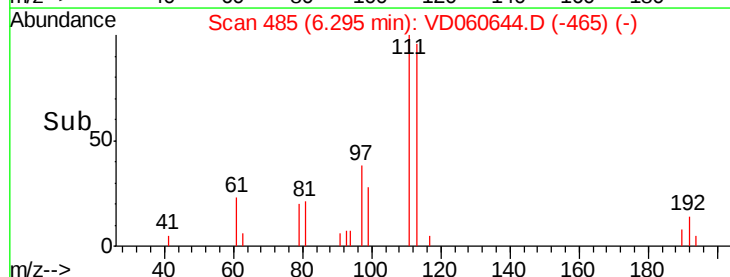
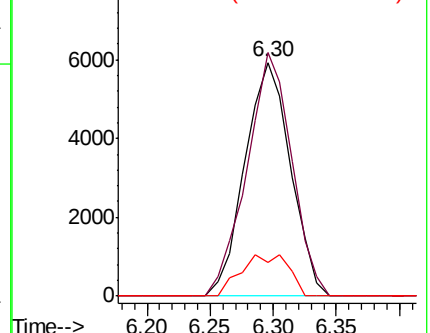
192 14.6 15.8 23.6#

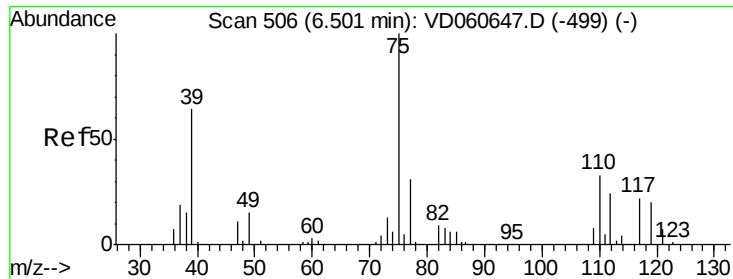


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

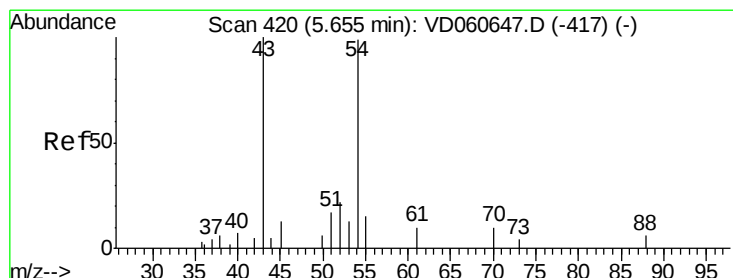
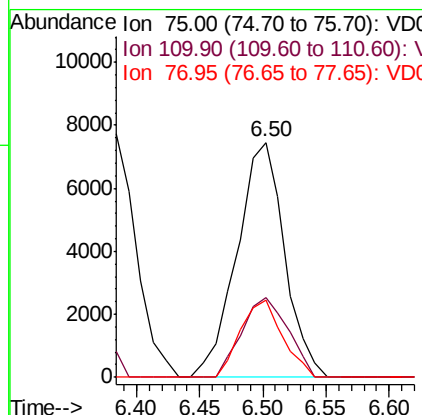
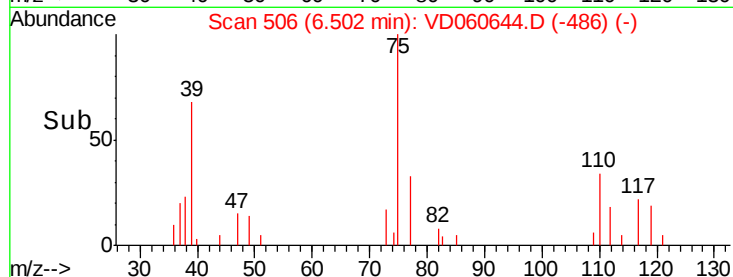
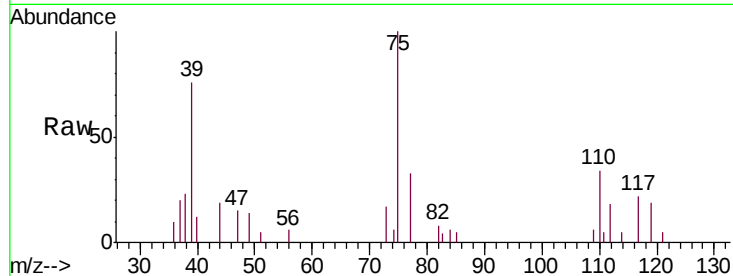




#36
1,1-Dichloropropene
Concen: 4.462 ug/l
RT: 6.50 min Scan# 506
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

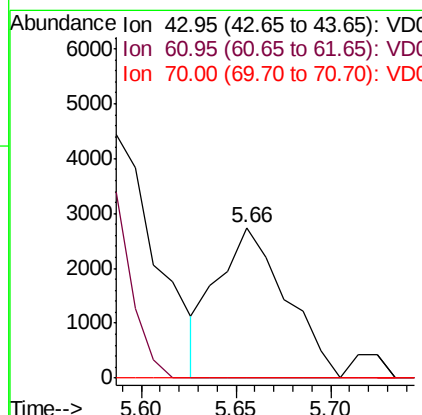
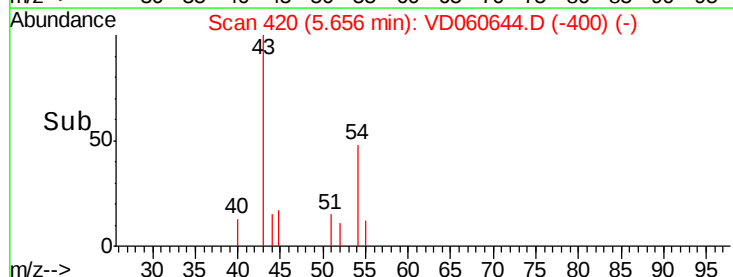
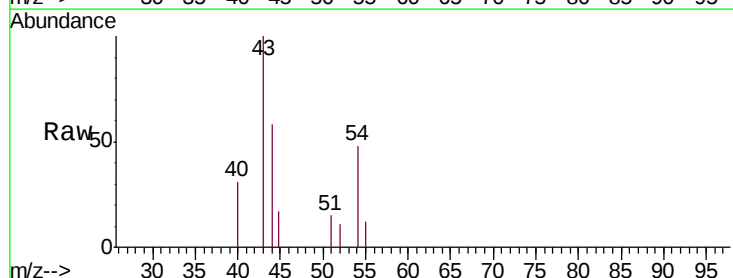
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

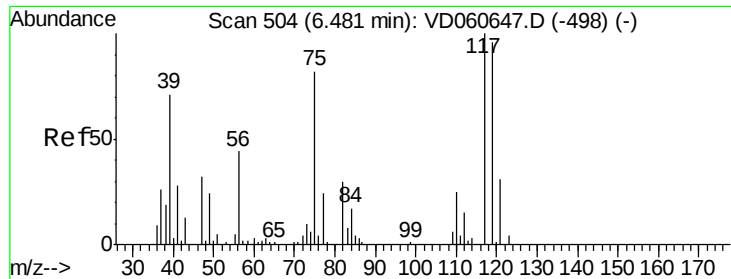
Tgt Ion: 75 Resp: 19487
Ion Ratio Lower Upper
75 100
110 34.2 16.4 49.2
77 32.7 24.7 37.1



#37
Ethyl Acetate
Concen: 4.608 ug/l
RT: 5.66 min Scan# 420
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Tgt Ion: 43 Resp: 6920
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 5.4 8.2#





#38

Carbon Tetrachloride

Concen: 3.580 ug/l

RT: 6.47 min Scan# 503

Delta R.T. -0.01 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

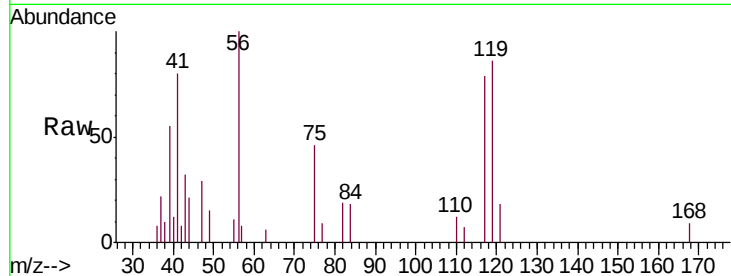
Tgt Ion:117 Resp: 12002

Ion Ratio Lower Upper

117 100

119 109.4 76.6 115.0

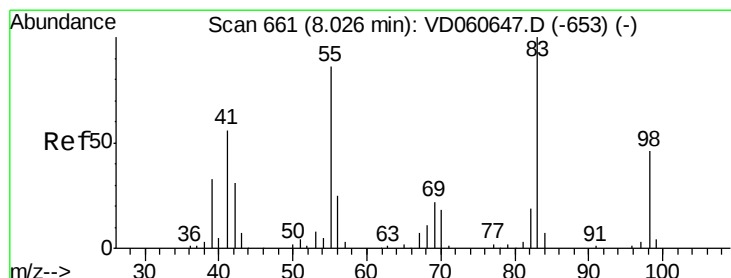
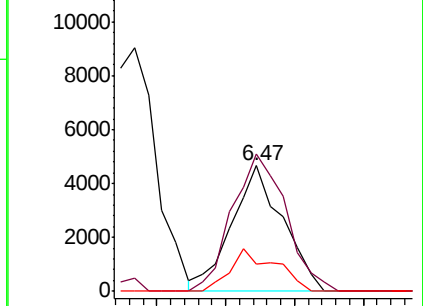
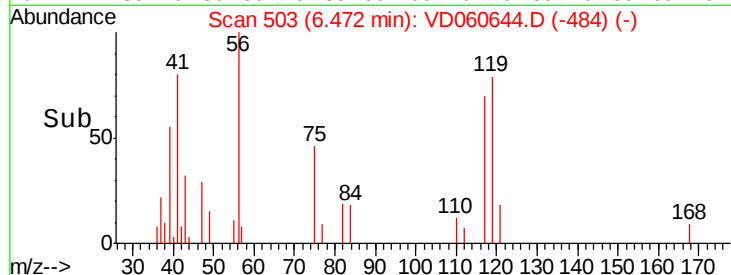
121 22.2 23.9 35.9#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 4.035 ug/l

RT: 8.02 min Scan# 660

Delta R.T. -0.01 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

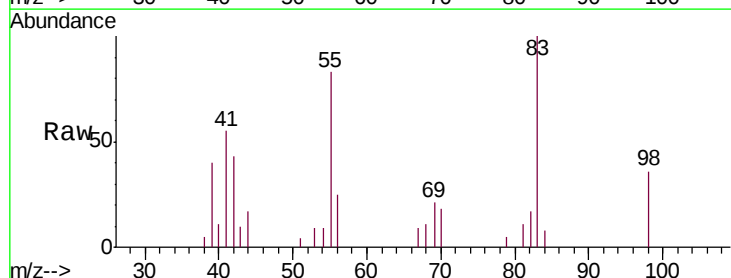
Tgt Ion: 83 Resp: 18626

Ion Ratio Lower Upper

83 100

55 83.0 69.0 103.6

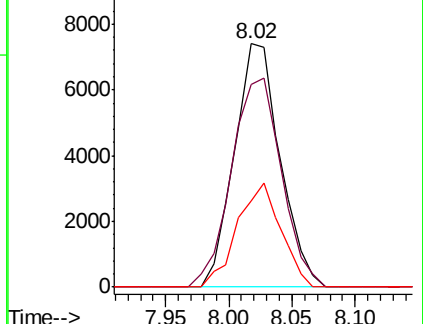
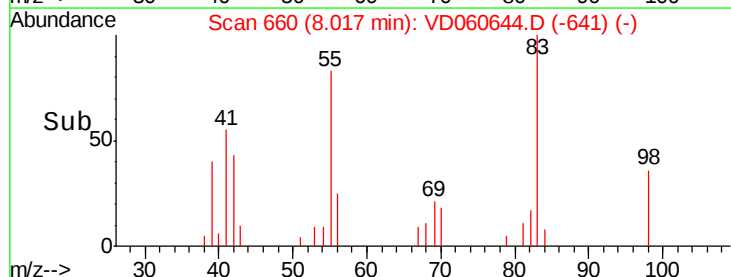
98 35.7 37.0 55.4#

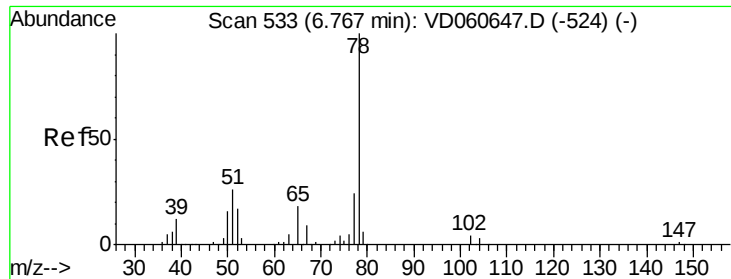


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 4.714 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

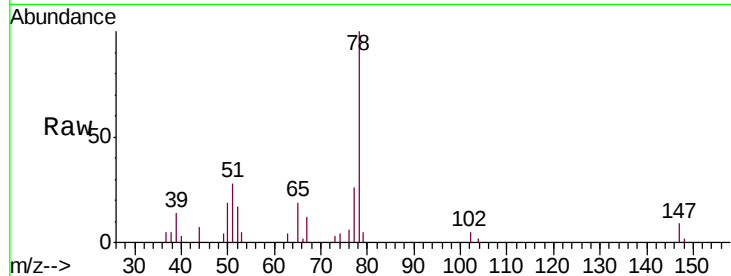
VSTDIC005

Tgt Ion: 78 Resp: 51269

Ion Ratio Lower Upper

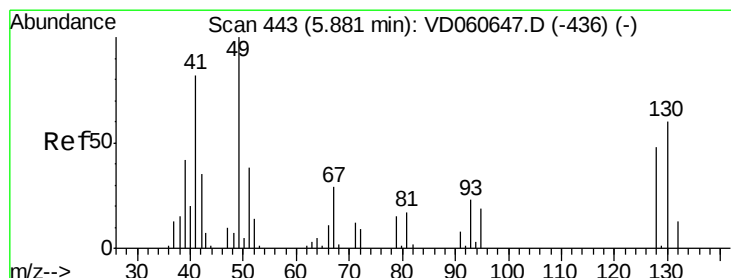
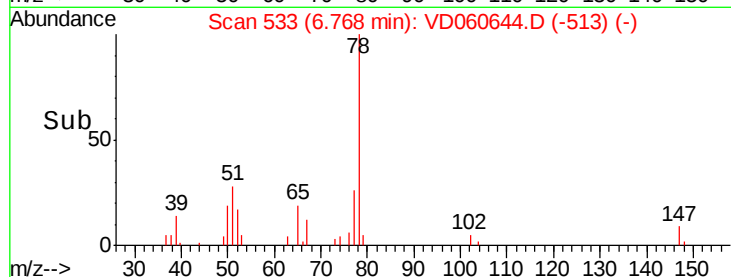
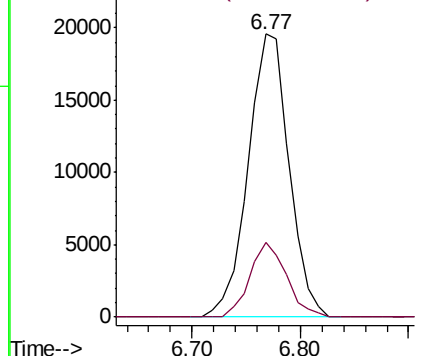
78 100

77 26.2 19.0 28.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#41

Methacrylonitrile

Concen: 10.387 ug/l

RT: 5.89 min Scan# 444

Delta R.T. 0.01 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Tgt Ion: 41 Resp: 9285

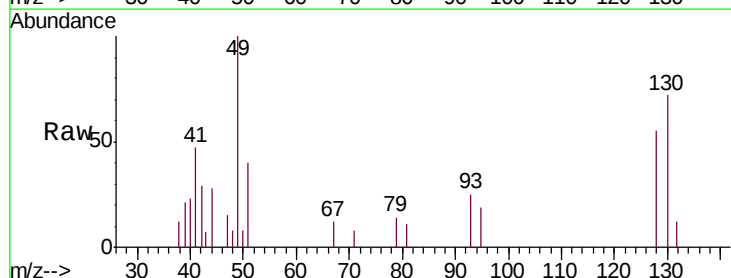
Ion Ratio Lower Upper

41 100

39 44.0 41.0 61.6

67 25.4 28.2 42.4#

52 0.0 13.4 20.0#

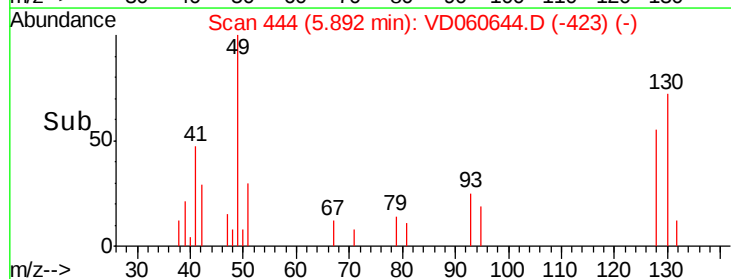
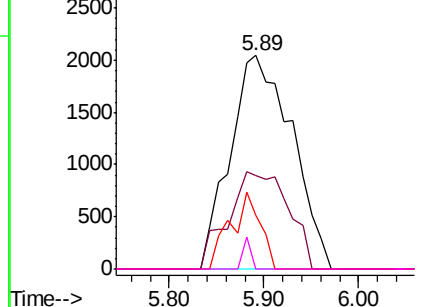


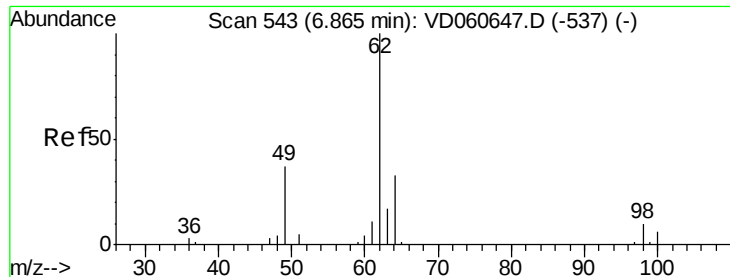
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#42

1,2-Dichloroethane

Concen: 4.632 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.01 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

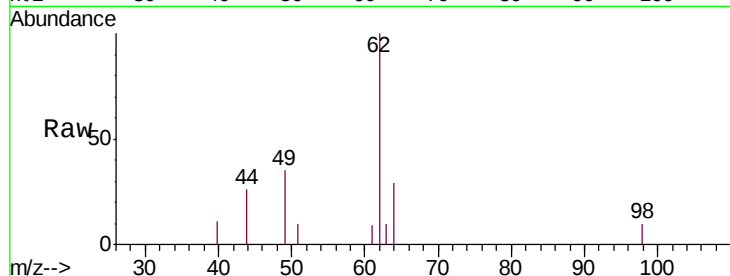
VSTDIC005

Tgt Ion: 62 Resp: 12522

Ion Ratio Lower Upper

62 100

98 9.6 0.0 19.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

6000

5000

4000

3000

2000

1000

0

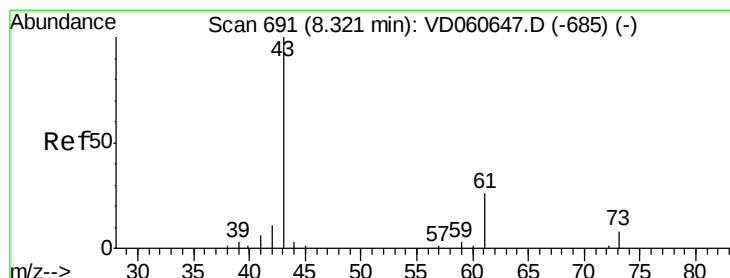
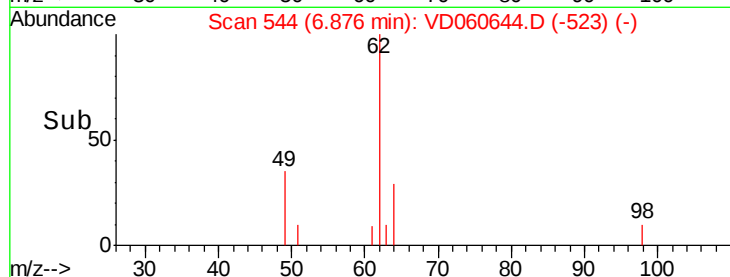
6.88

6.85

6.90

6.95

Time-->



#43

Isopropyl Acetate

Concen: 3.976 ug/l

RT: 8.33 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

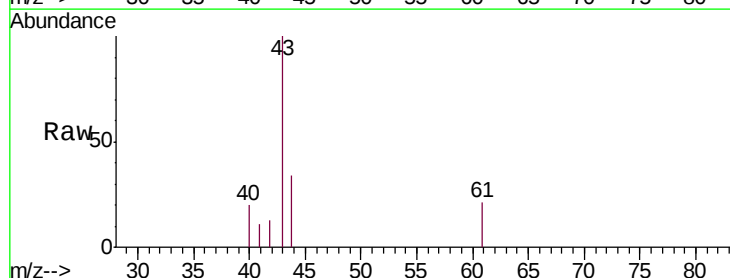
Tgt Ion: 43 Resp: 7889

Ion Ratio Lower Upper

43 100

61 20.7 20.4 30.6

87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

4000

3000

2000

1000

0

8.33

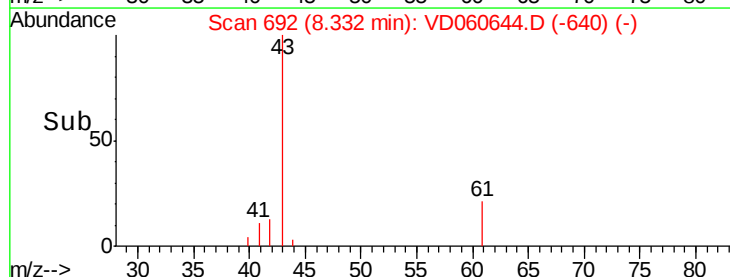
8.25

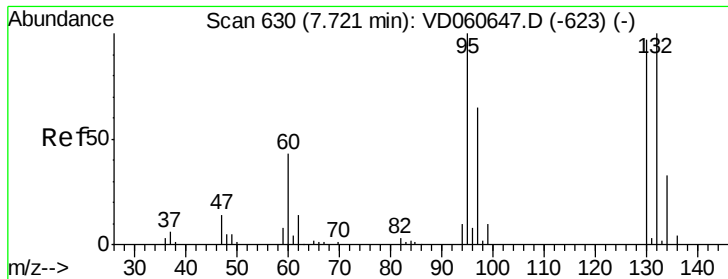
8.30

8.35

8.40

Time-->





#44

Trichloroethene

Concen: 4.299 ug/l

RT: 7.72 min Scan# 630

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

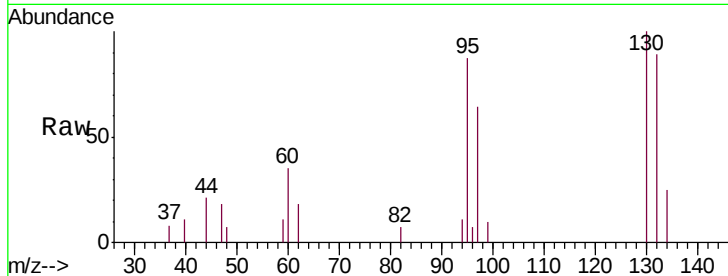
VSTDIC005

Tgt Ion:130 Resp: 13705

Ion Ratio Lower Upper

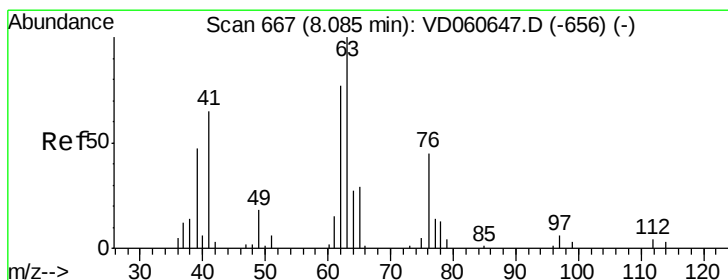
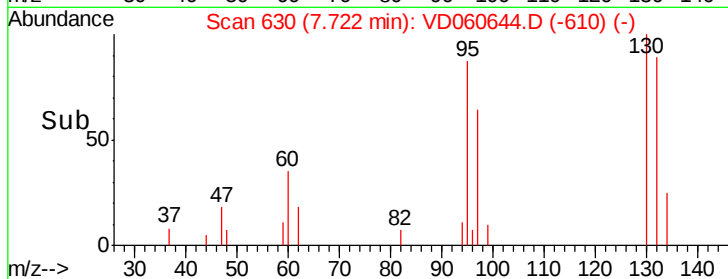
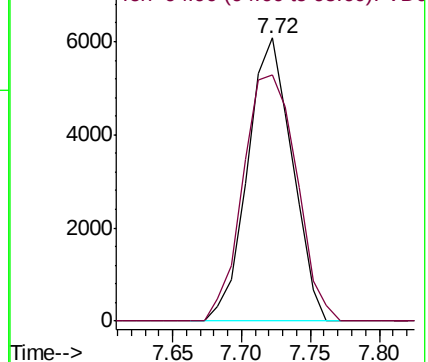
130 100

95 87.2 0.0 206.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#45

1,2-Dichloropropane

Concen: 4.866 ug/l

RT: 8.08 min Scan# 666

Delta R.T. -0.01 min

Lab File: VD060644.D

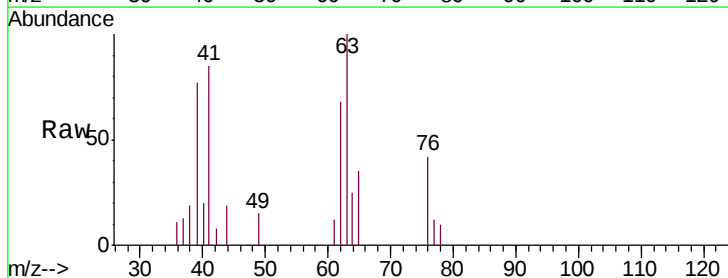
Acq: 19 Dec 2018 18:09

Tgt Ion: 63 Resp: 12708

Ion Ratio Lower Upper

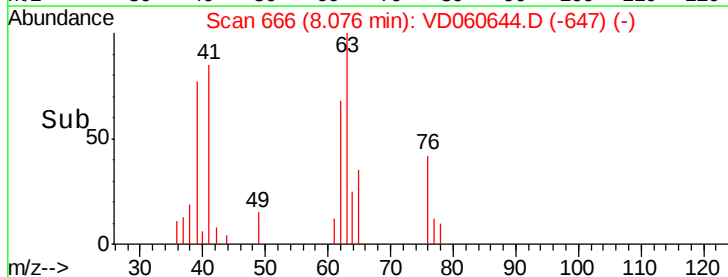
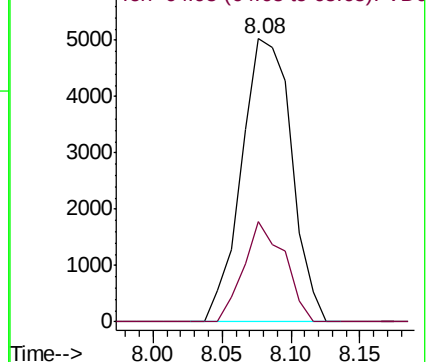
63 100

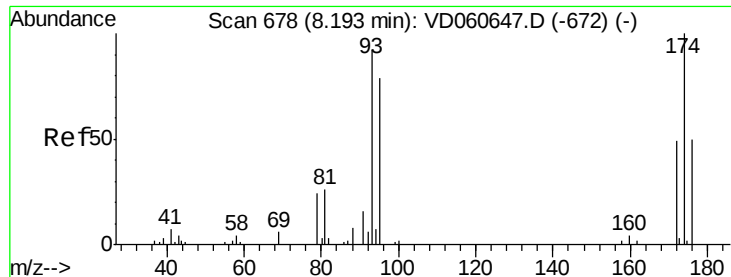
65 35.4 23.5 35.3#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC





#46

Dibromomethane

Concen: 4.707 ug/l

RT: 8.19 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

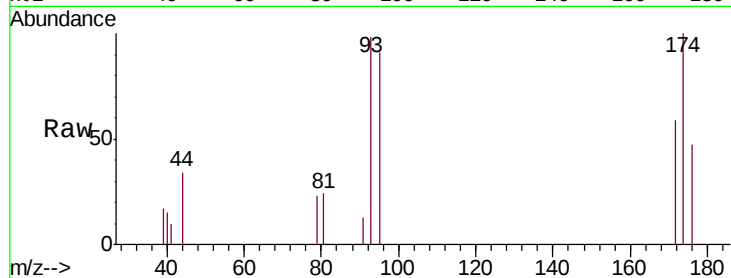
Tgt Ion: 93 Resp: 6555

Ion Ratio Lower Upper

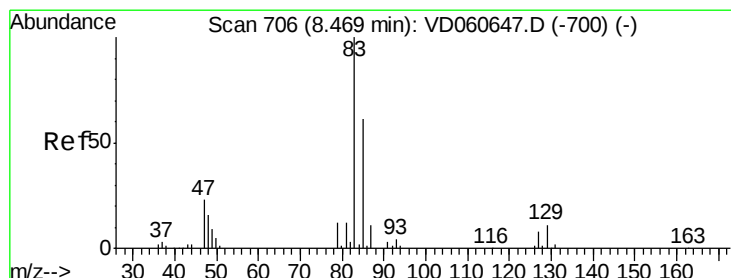
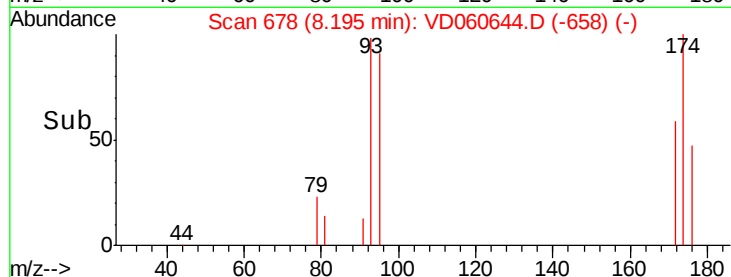
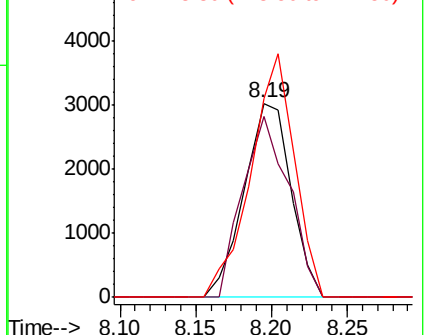
93 100

95 93.5 68.4 102.6

174 102.3 87.1 130.7



Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V



#47

Bromodichloromethane

Concen: 4.241 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

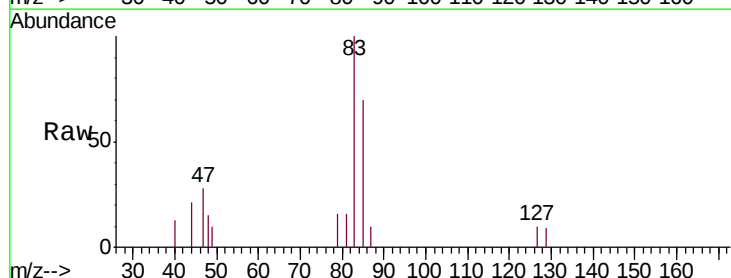
Tgt Ion: 83 Resp: 14830

Ion Ratio Lower Upper

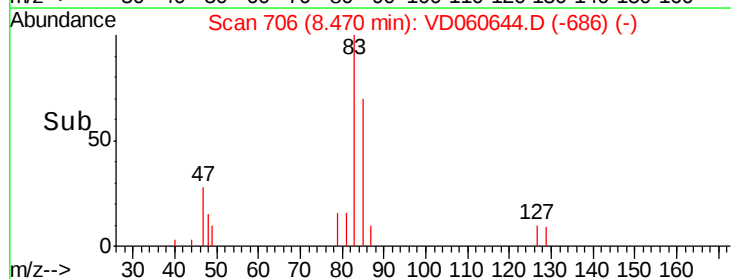
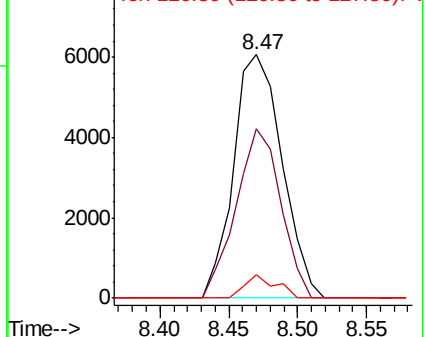
83 100

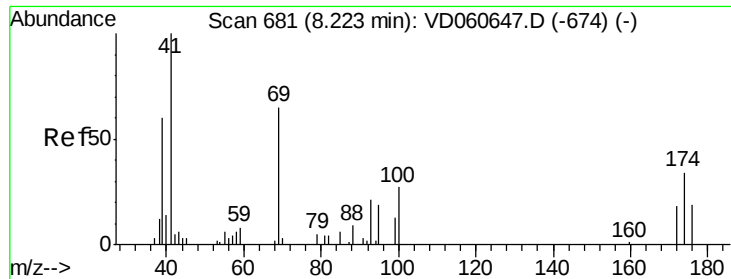
85 69.6 48.9 73.3

127 9.7 6.4 9.6#



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V

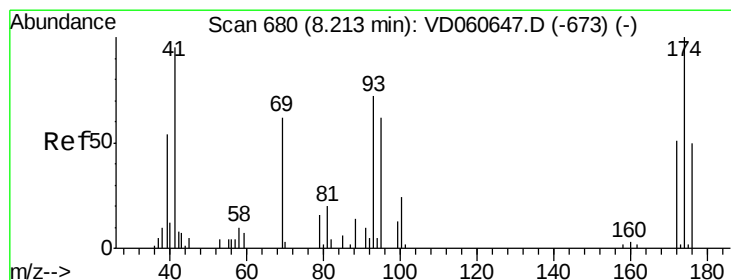
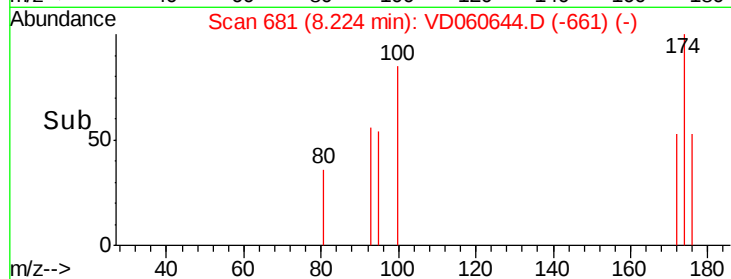
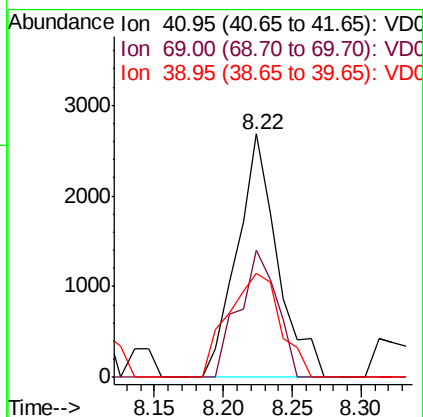
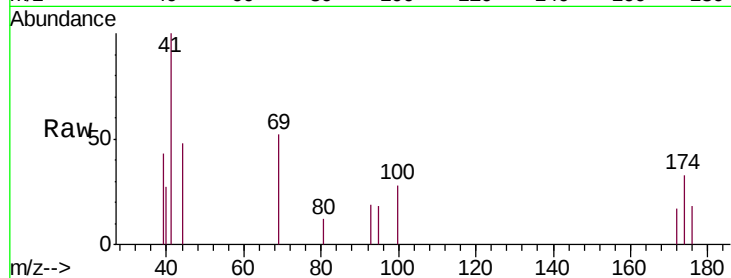




#48
Methyl methacrylate
Concen: 4.602 ug/l
RT: 8.22 min Scan# 681
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

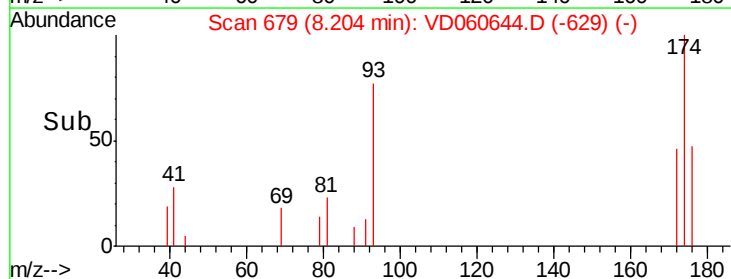
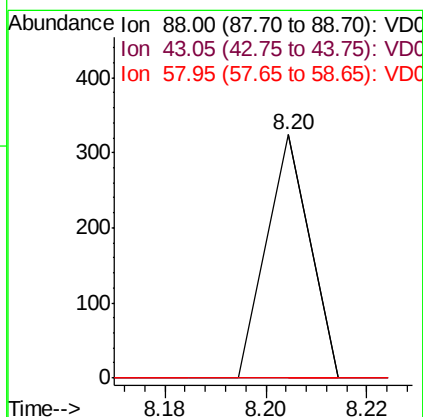
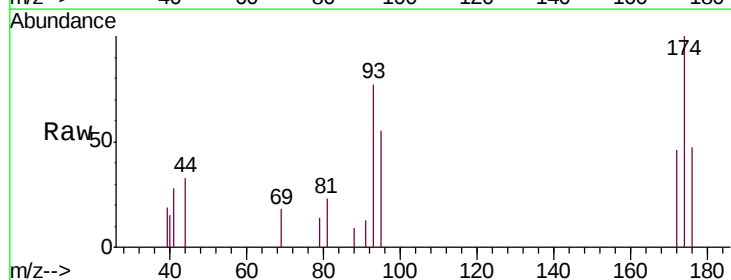
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

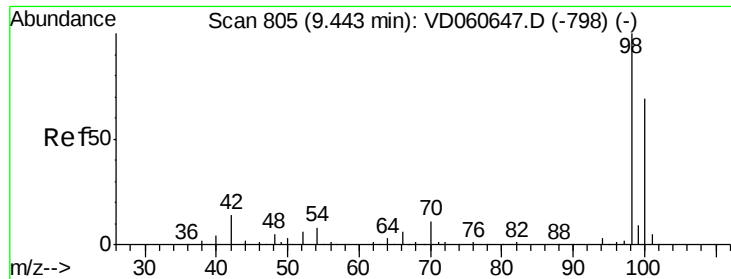
Tgt Ion: 41 Resp: 5479
Ion Ratio Lower Upper
41 100
69 52.3 50.6 76.0
39 42.8 48.2 72.4#



#49
1,4-Dioxane
Concen: 14.875 ug/l
RT: 8.20 min Scan# 679
Delta R.T. -0.01 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Tgt Ion: 88 Resp: 191
Ion Ratio Lower Upper
88 100
43 0.0 41.3 61.9#
58 0.0 56.6 84.8#





#50

Toluene-d8

Concen: 14.875 ug/l

RT: 9.44 min Scan# 805

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

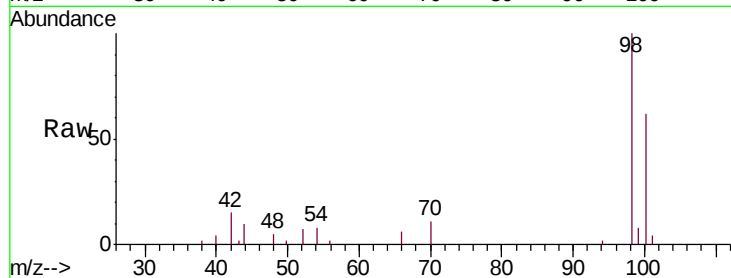
VSTDIC005

Tgt Ion: 98 Resp: 40211

Ion Ratio Lower Upper

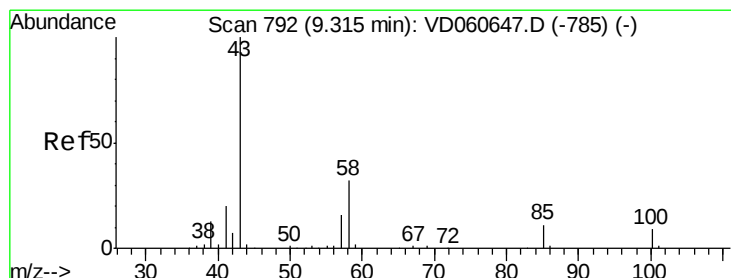
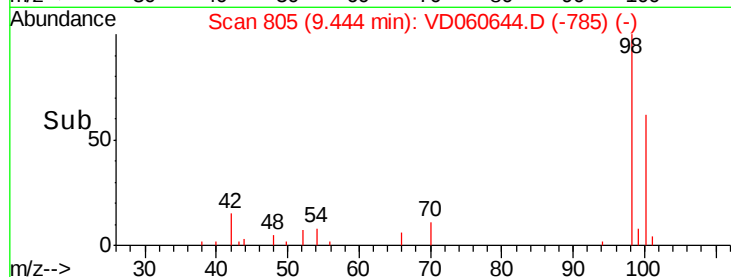
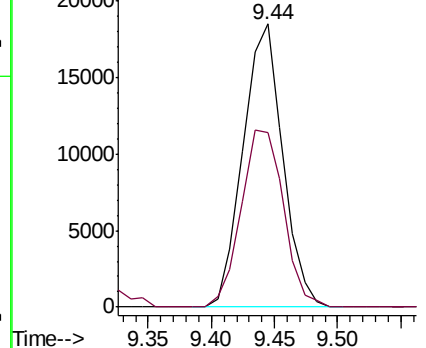
98 100

100 61.6 55.1 82.7



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 20.269 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060644.D

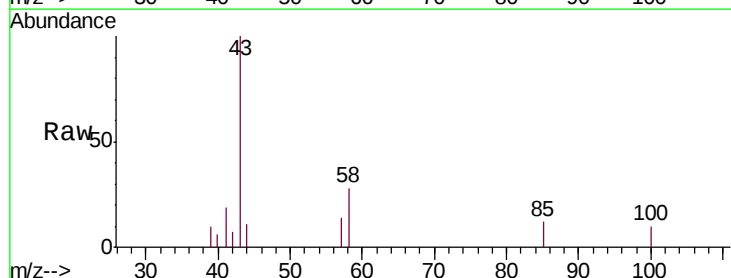
Acq: 19 Dec 2018 18:09

Tgt Ion: 43 Resp: 26914

Ion Ratio Lower Upper

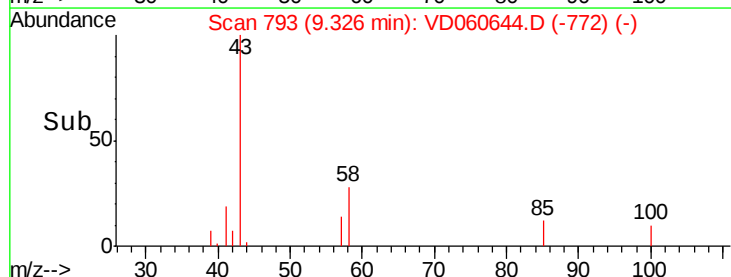
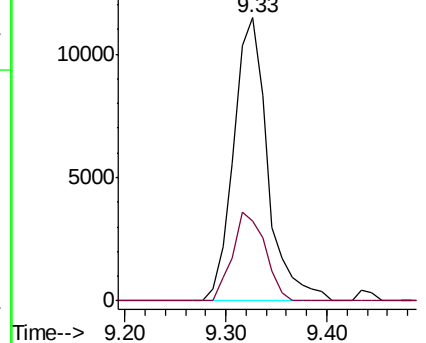
43 100

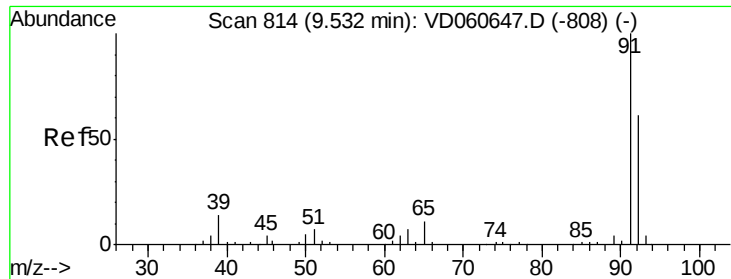
58 28.2 25.5 38.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 4.474 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

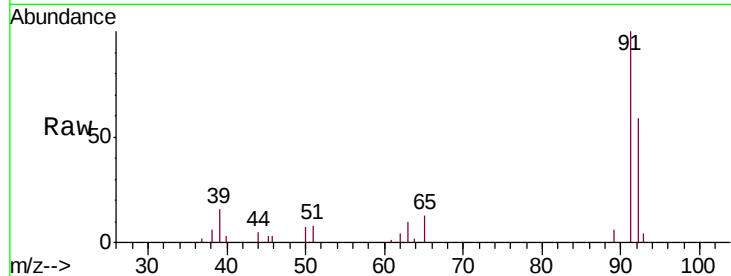
VSTDIC005

Tgt Ion: 92 Resp: 29663

Ion Ratio Lower Upper

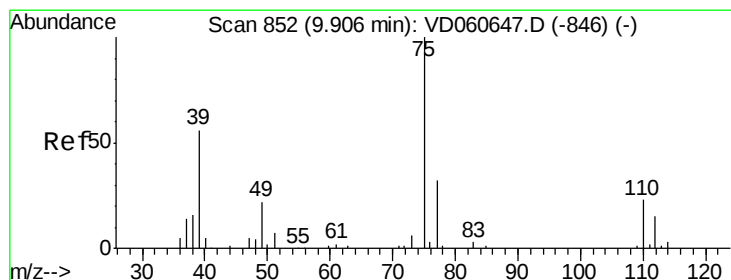
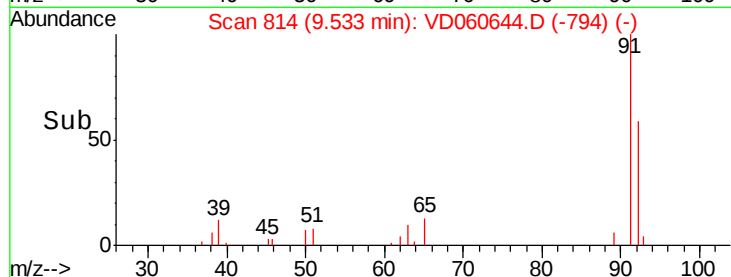
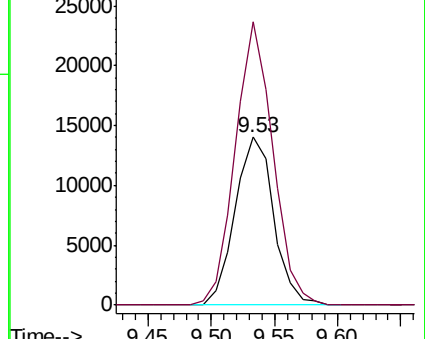
92 100

91 168.9 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 3.391 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.00 min

Lab File: VD060644.D

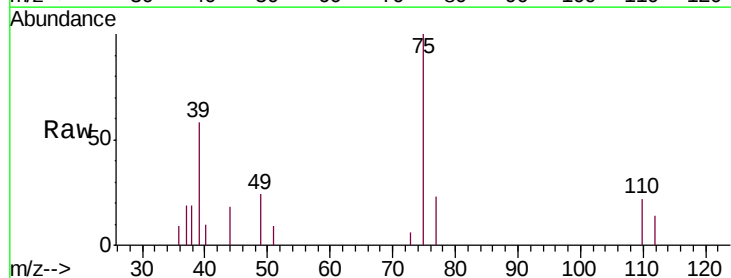
Acq: 19 Dec 2018 18:09

Tgt Ion: 75 Resp: 9034

Ion Ratio Lower Upper

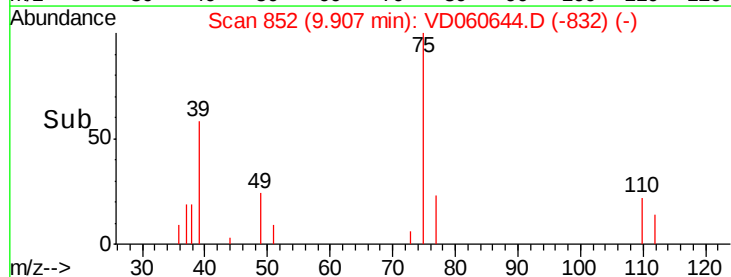
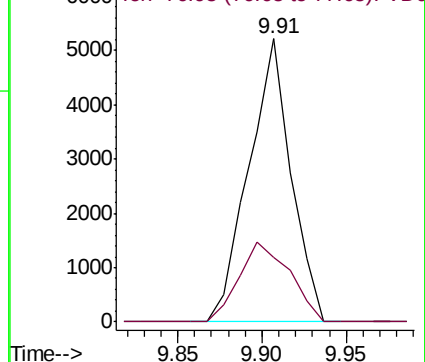
75 100

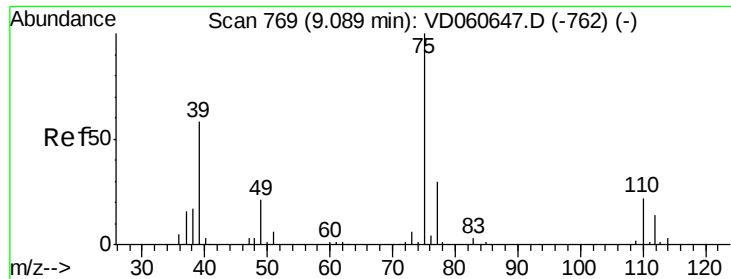
77 22.9 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#54

cis-1,3-Dichloropropene

Concen: 4.022 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.01 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

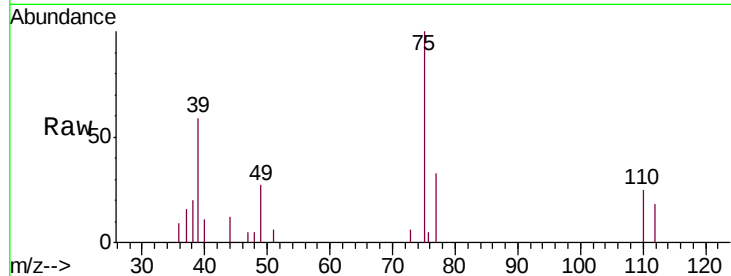
Tgt Ion: 75 Resp: 14351

Ion Ratio Lower Upper

75 100

77 32.9 24.2 36.4

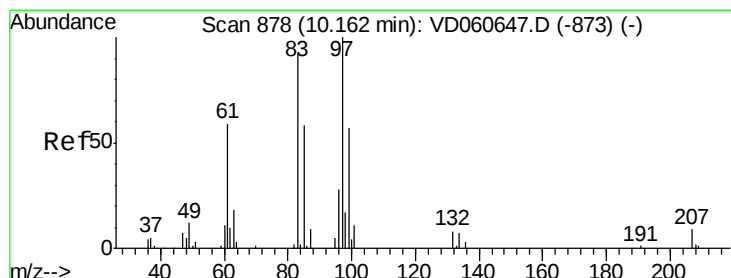
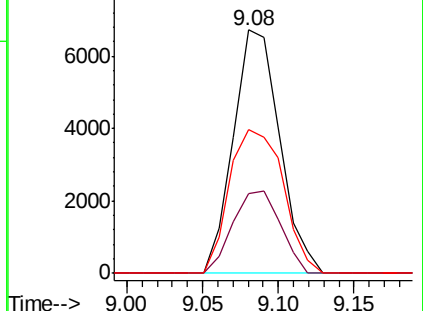
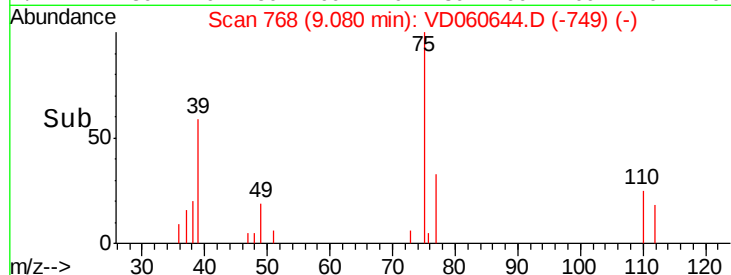
39 59.3 46.6 70.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



#55

1,1,2-Trichloroethane

Concen: 4.725 ug/l

RT: 10.16 min Scan# 878

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Tgt Ion: 97 Resp: 8360

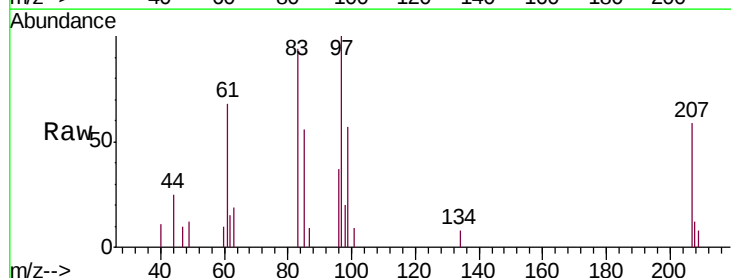
Ion Ratio Lower Upper

97 100

83 94.0 74.0 111.0

85 56.4 46.3 69.5

99 56.9 45.4 68.0

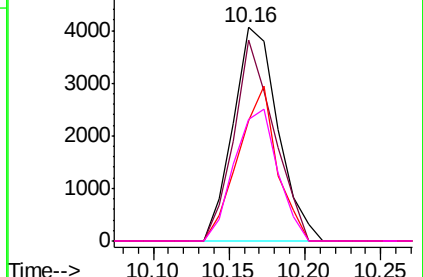
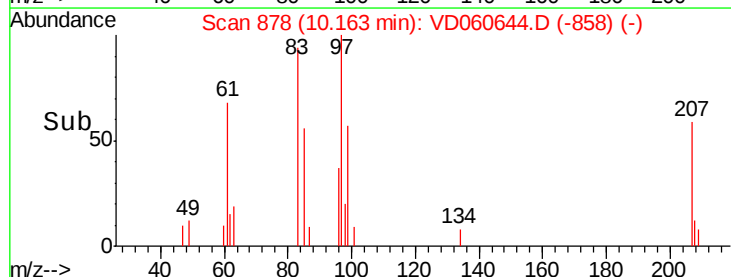


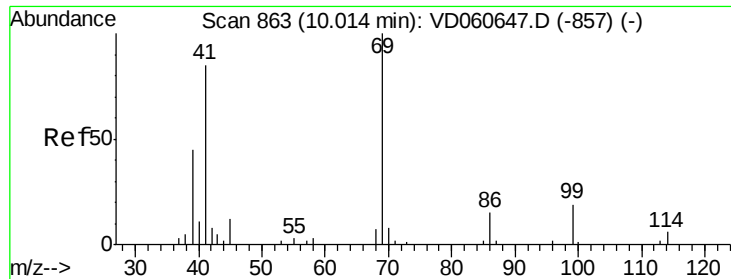
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC





#56

Ethyl methacrylate

Concen: 2.926 ug/l

RT: 10.02 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

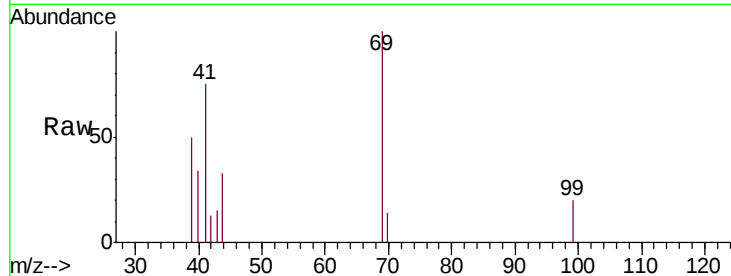
Tgt Ion: 69 Resp: 4605

Ion Ratio Lower Upper

69 100

41 75.1 68.3 102.5

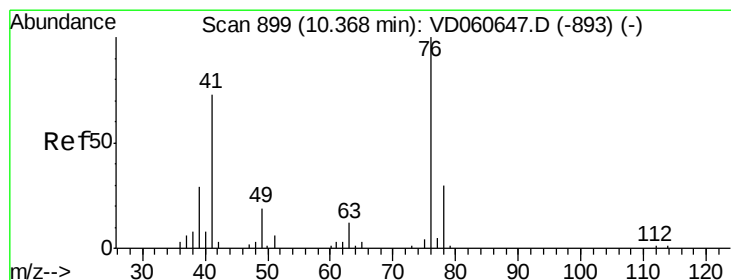
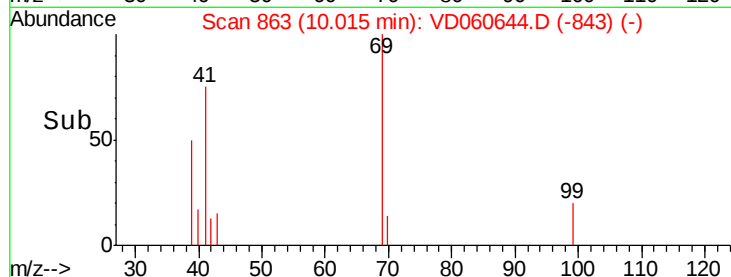
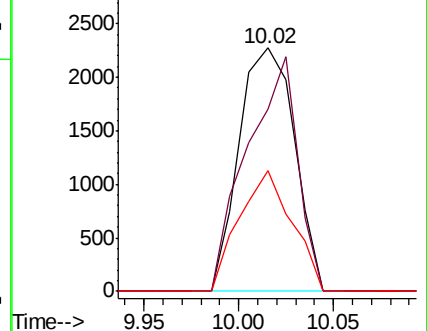
39 49.8 36.6 54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#57

1,3-Dichloropropane

Concen: 4.784 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD060644.D

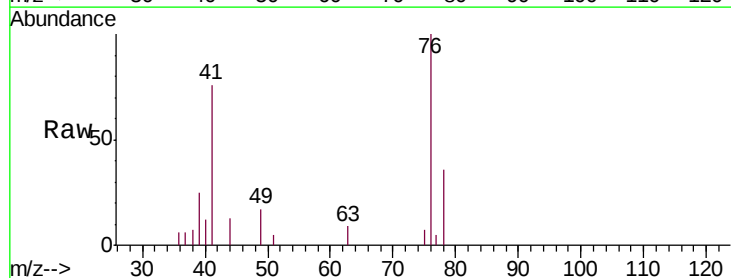
Acq: 19 Dec 2018 18:09

Tgt Ion: 76 Resp: 14272

Ion Ratio Lower Upper

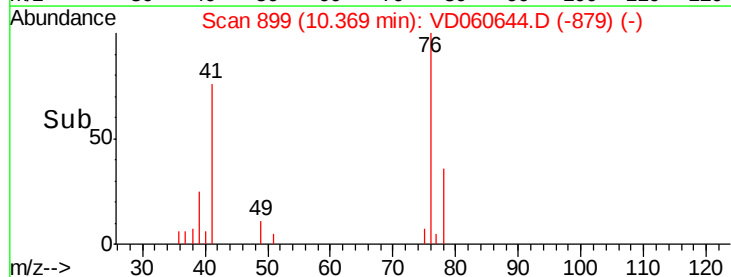
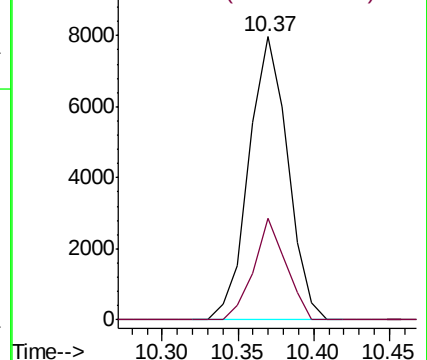
76 100

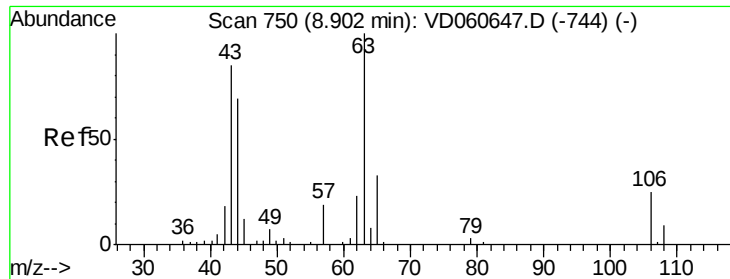
78 36.0 24.0 36.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

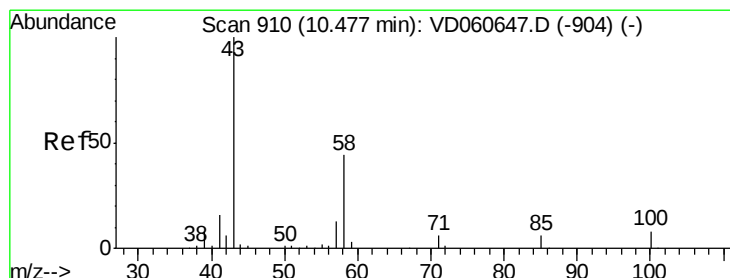
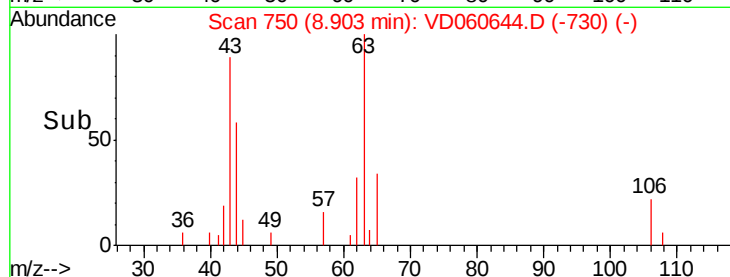
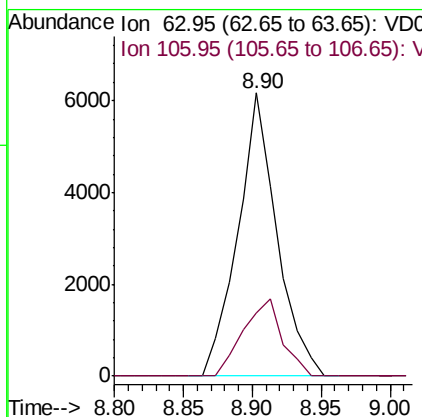
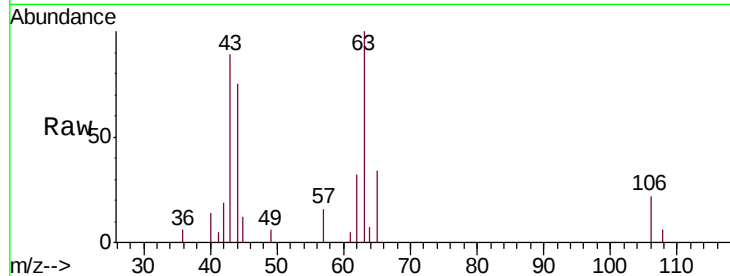




#58
 2-Chloroethyl Vinyl ether
 Concen: 26.121 ug/l
 RT: 8.90 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VD060644.D
 Acq: 19 Dec 2018 18:09

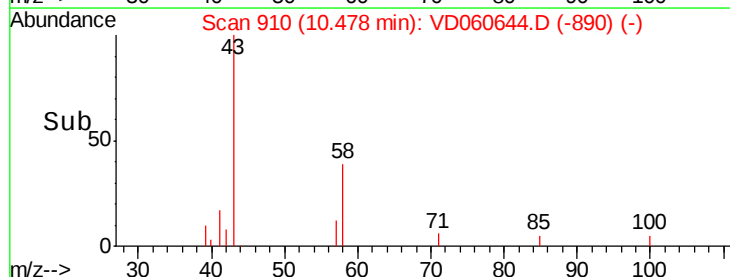
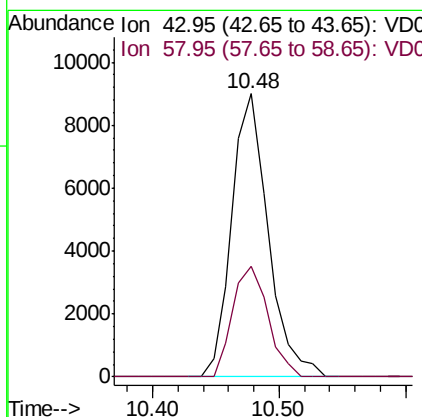
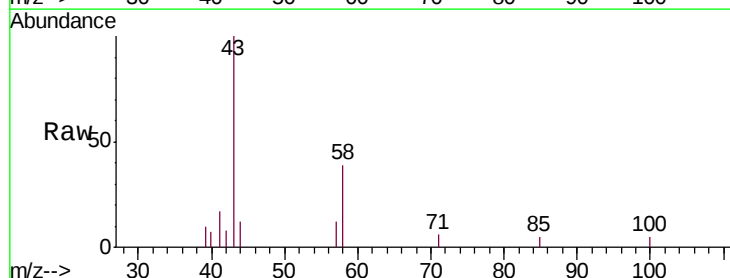
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

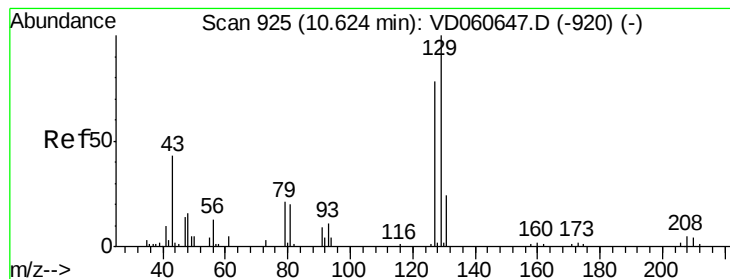
Tgt Ion: 63 Resp: 12104
 Ion Ratio Lower Upper
 63 100
 106 22.1 20.2 30.2



#59
 2-Hexanone
 Concen: 18.821 ug/l
 RT: 10.48 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VD060644.D
 Acq: 19 Dec 2018 18:09

Tgt Ion: 43 Resp: 17922
 Ion Ratio Lower Upper
 43 100
 58 39.2 22.3 66.8





#60

Dibromochloromethane

Concen: 4.312 ug/l

RT: 10.63 min Scan# 925

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

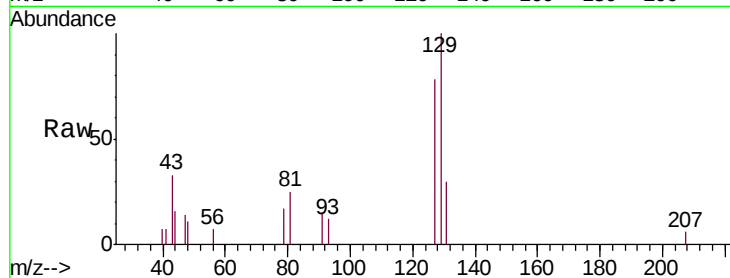
VSTDIC005

Tgt Ion:129 Resp: 9979

Ion Ratio Lower Upper

129 100

127 77.6 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

6000

5000

4000

3000

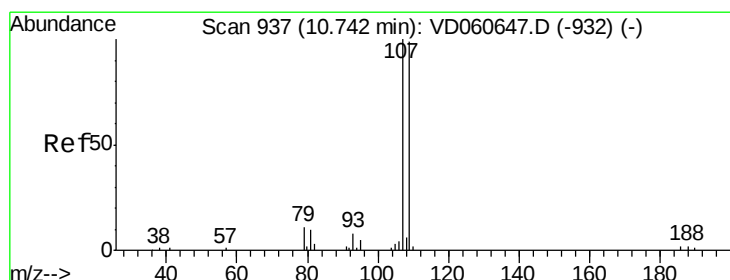
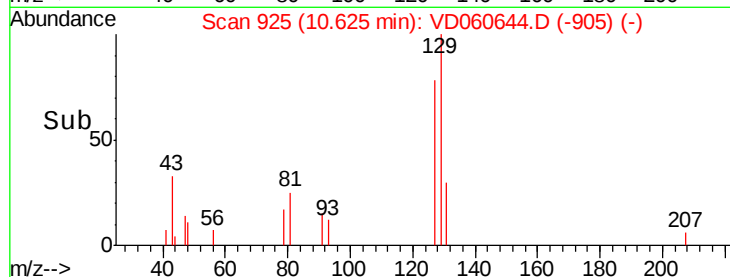
2000

1000

0

Time-->

10.55 10.60 10.65 10.70



#61

1,2-Dibromoethane

Concen: 4.423 ug/l

RT: 10.74 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060644.D

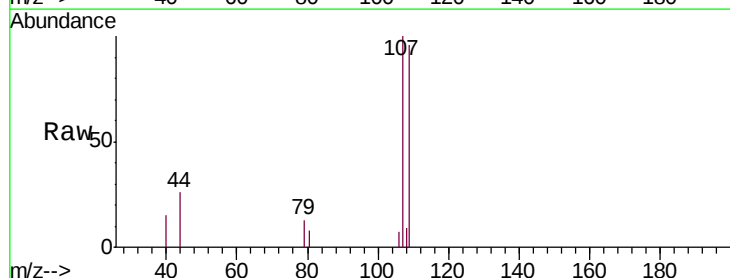
Acq: 19 Dec 2018 18:09

Tgt Ion:107 Resp: 7804

Ion Ratio Lower Upper

107 100

109 95.7 79.4 119.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.74

5000

4000

3000

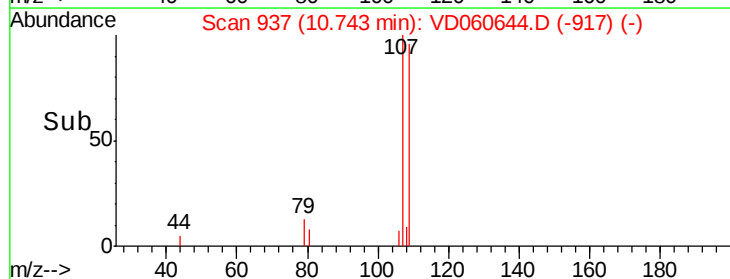
2000

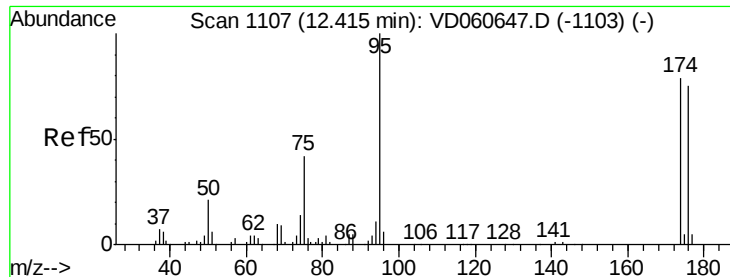
1000

0

Time-->

10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 4.423 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

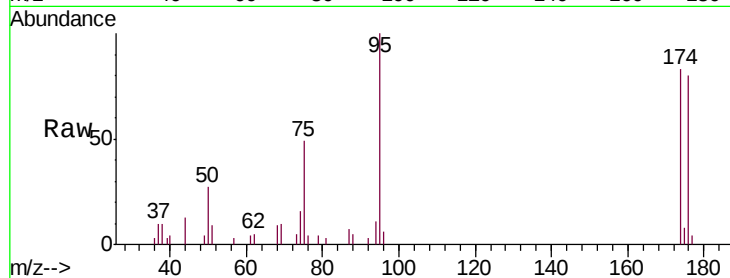
Tgt Ion: 95 Resp: 16927

Ion Ratio Lower Upper

95 100

174 83.1 0.0 158.2

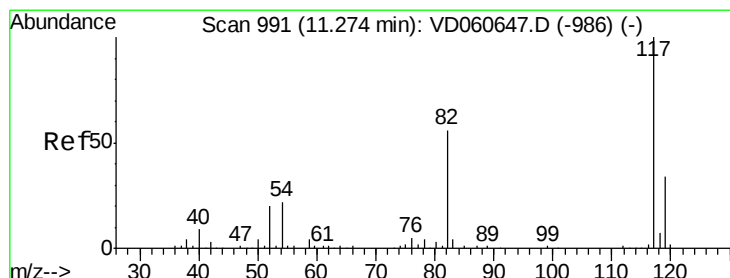
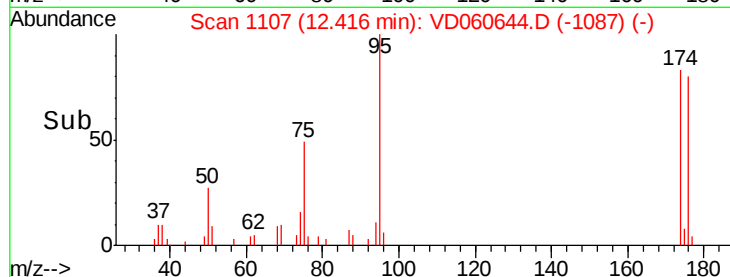
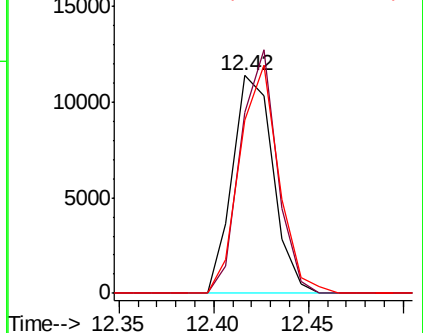
176 79.8 0.0 150.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

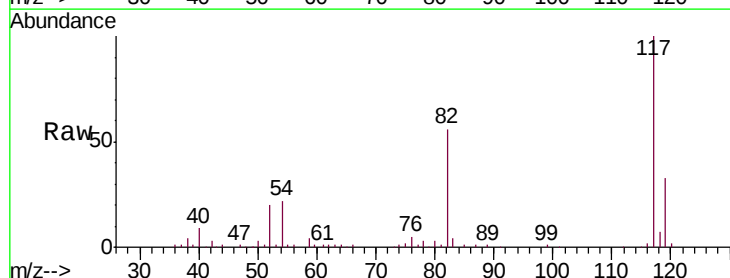
Tgt Ion: 117 Resp: 350510

Ion Ratio Lower Upper

117 100

82 56.4 44.6 67.0

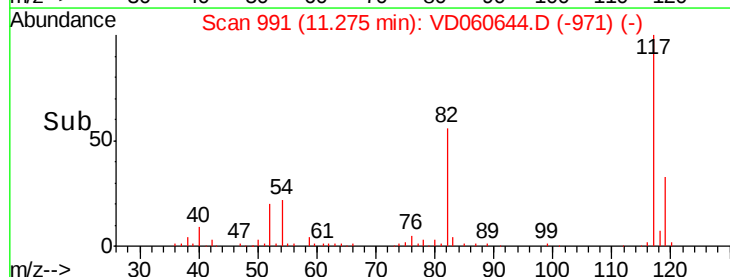
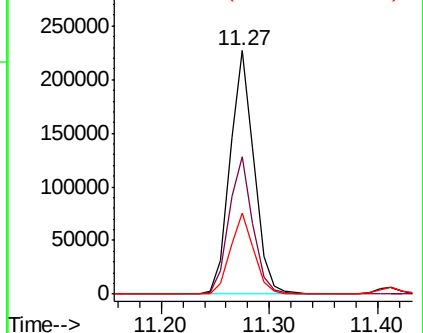
119 33.3 27.0 40.4

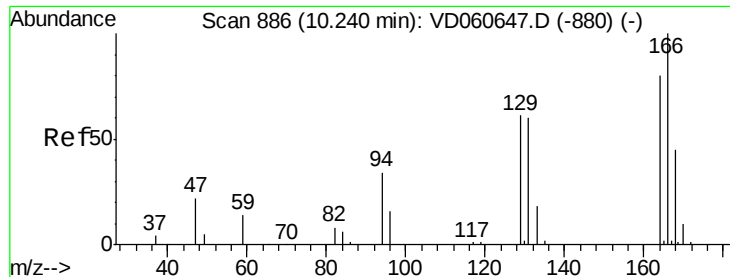


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 4.393 ug/l

RT: 10.24 min Scan# 886

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion:164 Resp: 13760

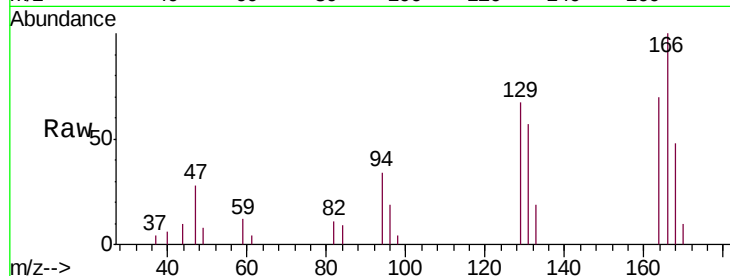
Ion Ratio Lower Upper

164 100

166 142.9 100.0 150.0

129 95.4 60.6 90.8#

131 81.9 59.5 89.3

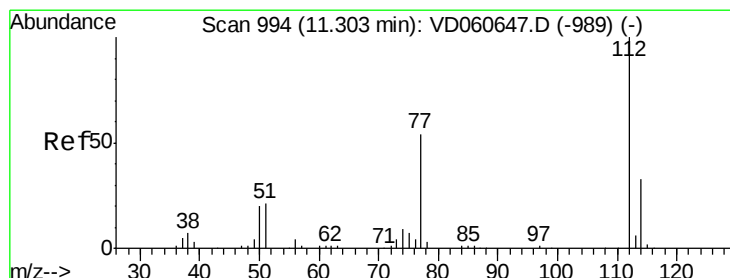
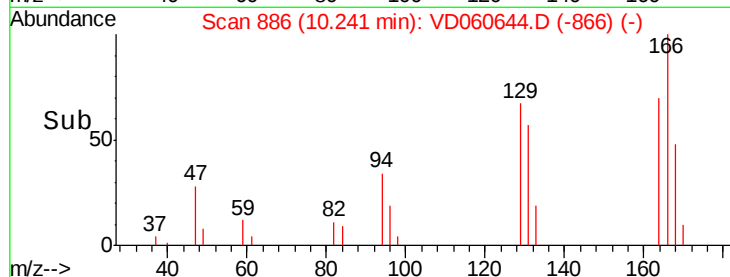
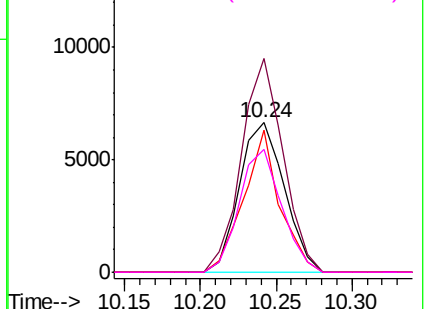


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 4.955 ug/l

RT: 11.30 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD060644.D

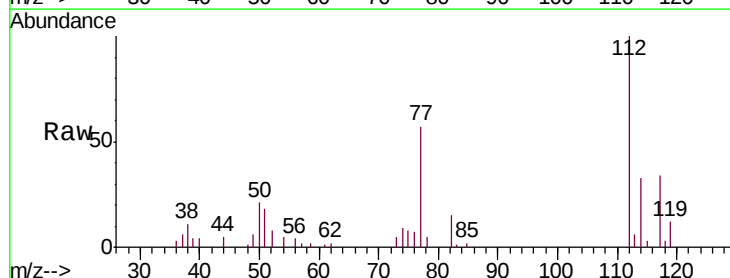
Acq: 19 Dec 2018 18:09

Tgt Ion:112 Resp: 38188

Ion Ratio Lower Upper

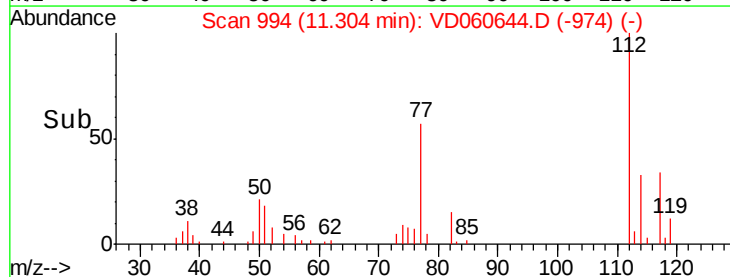
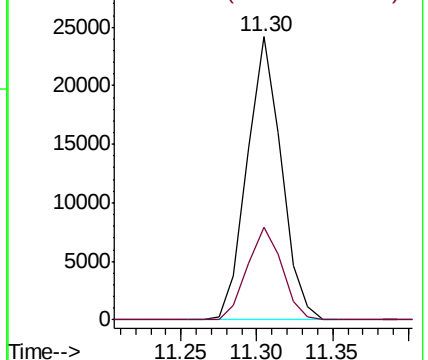
112 100

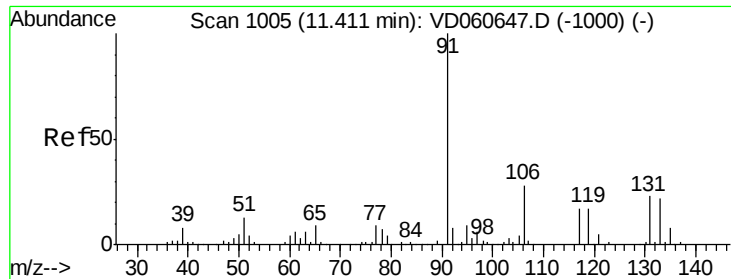
114 32.9 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 4.703 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

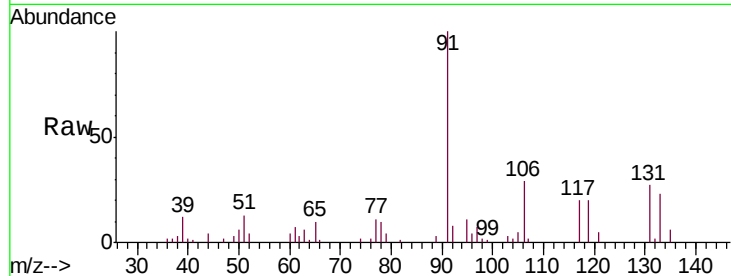
Tgt Ion:131 Resp: 12078

Ion Ratio Lower Upper

131 100

133 85.0 49.4 148.2

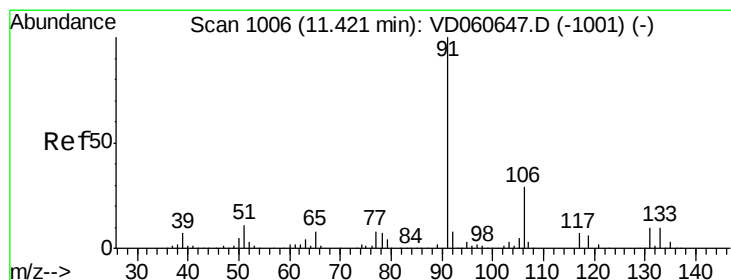
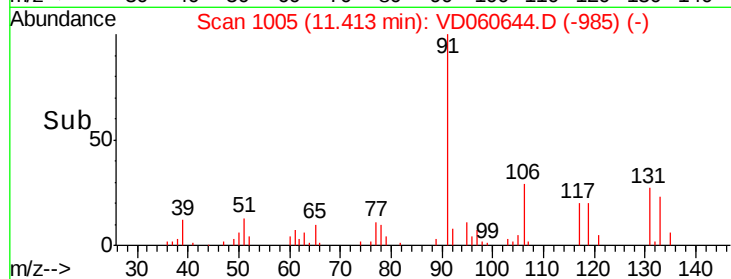
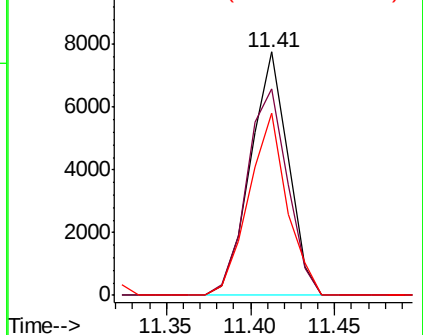
119 74.8 36.9 110.6



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



#67

Ethyl Benzene

Concen: 4.320 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VD060644.D

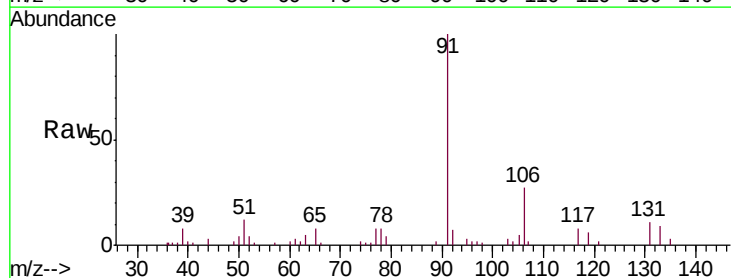
Acq: 19 Dec 2018 18:09

Tgt Ion: 91 Resp: 60209

Ion Ratio Lower Upper

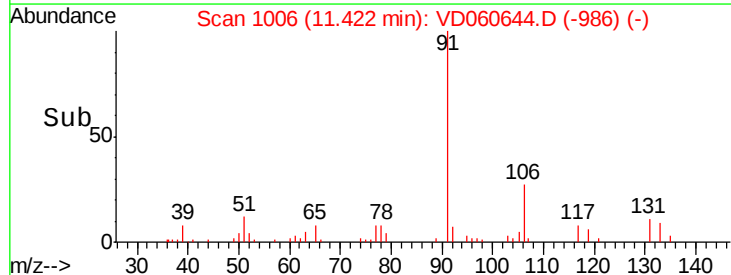
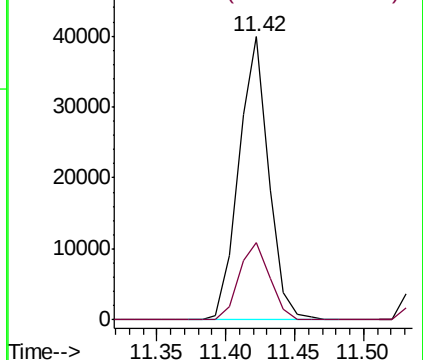
91 100

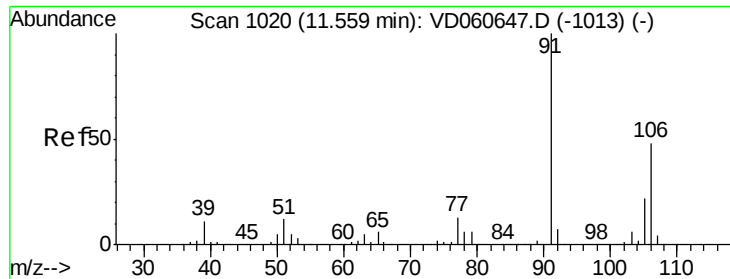
106 27.3 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

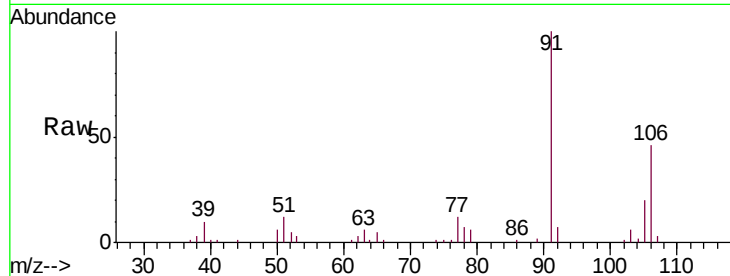




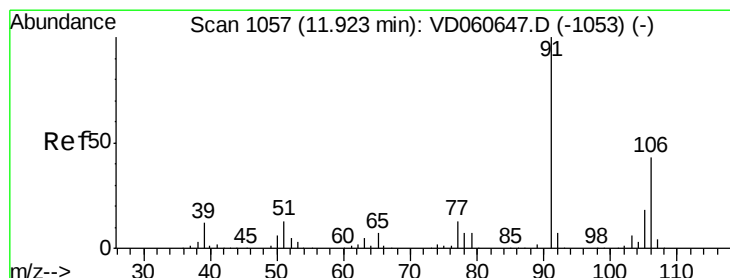
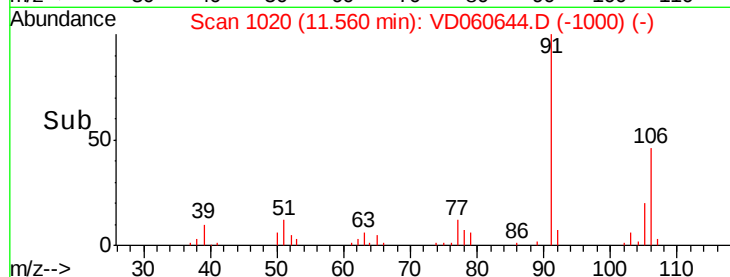
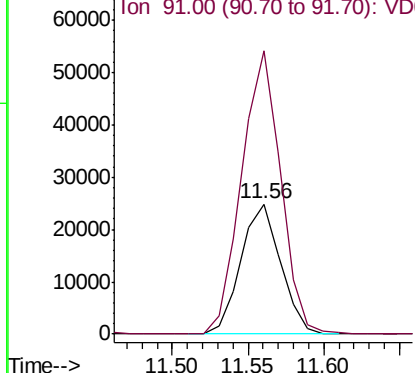
#68
m/p-Xylenes
Concen: 8.827 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 45607
Ion Ratio Lower Upper
106 100
91 217.4 167.6 251.4

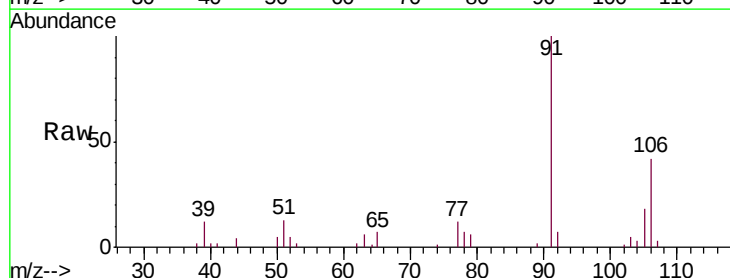


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

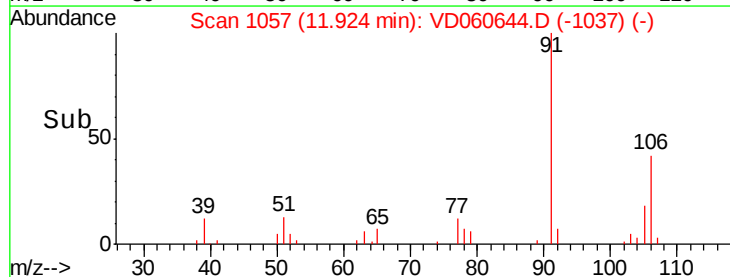
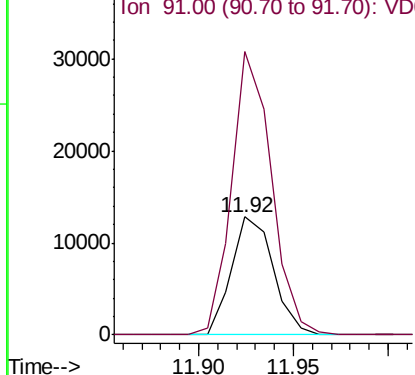


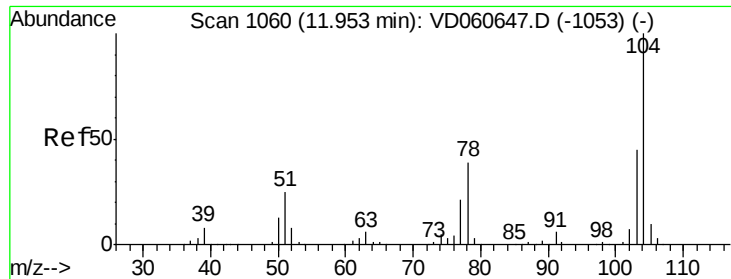
#69
o-Xylene
Concen: 3.843 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Tgt Ion:106 Resp: 19605
Ion Ratio Lower Upper
106 100
91 239.5 115.4 346.2



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

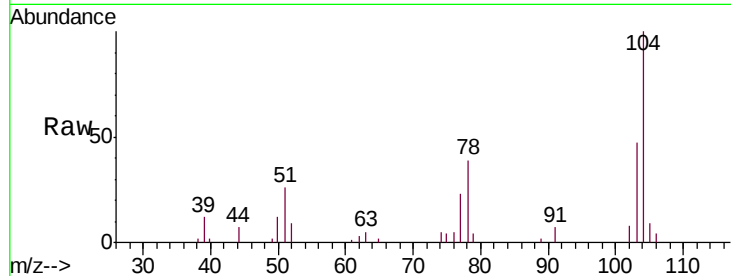




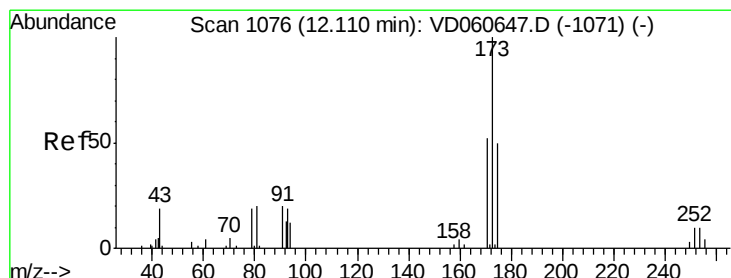
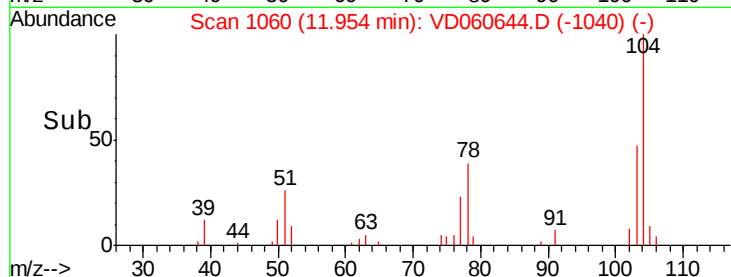
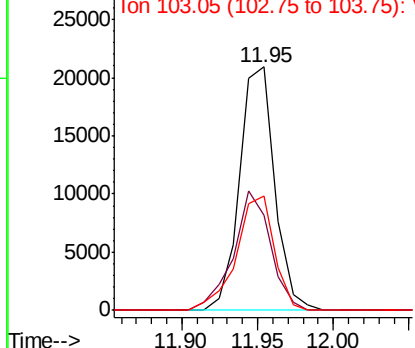
#70
Styrene
Concen: 4.048 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:104 Resp: 33693
Ion Ratio Lower Upper
104 100
78 39.0 31.0 46.4
103 46.7 36.3 54.5

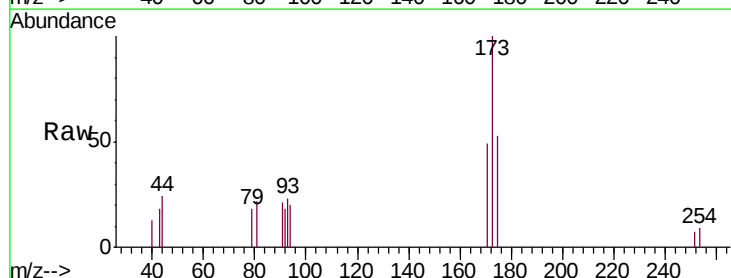


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

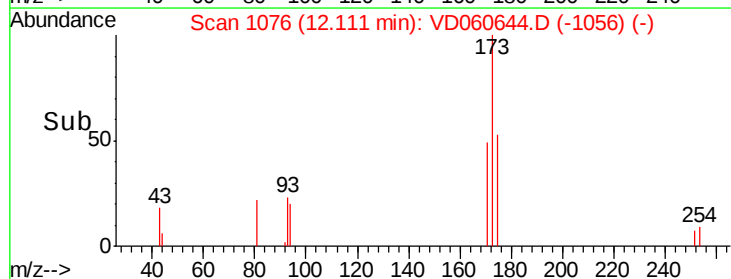
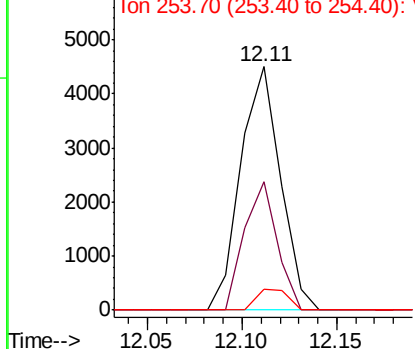


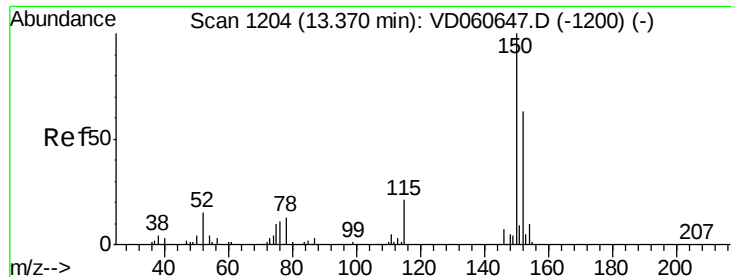
#71
Bromoform
Concen: 3.900 ug/l
RT: 12.11 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Tgt Ion:173 Resp: 6557
Ion Ratio Lower Upper
173 100
175 52.6 24.9 74.6
254 8.6 8.0 12.0



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

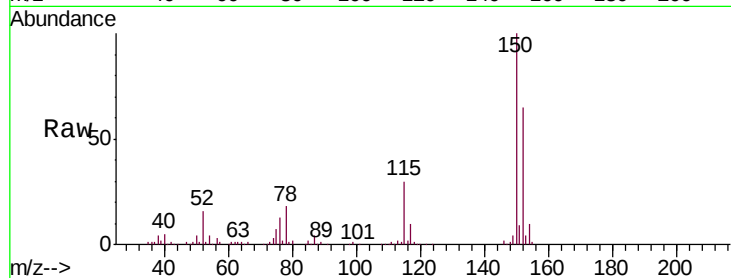
Tgt Ion:152 Resp: 285117

Ion Ratio Lower Upper

152 100

115 46.0 24.3 72.9

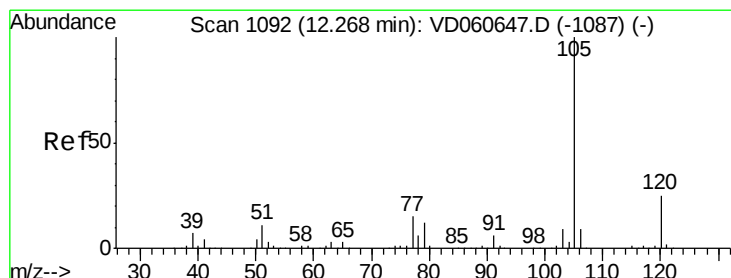
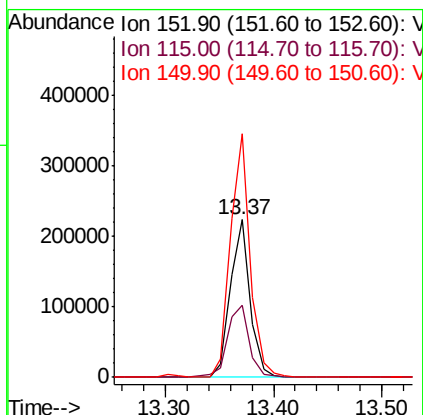
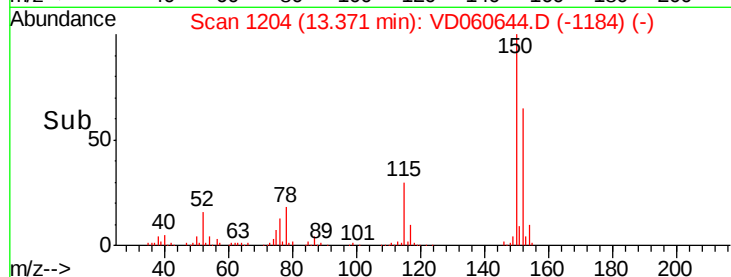
150 154.8 0.0 320.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 3.840 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060644.D

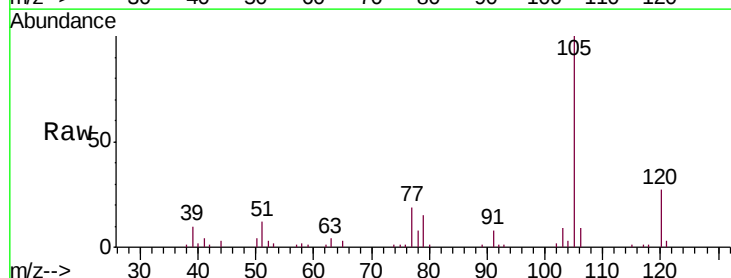
Acq: 19 Dec 2018 18:09

Tgt Ion:105 Resp: 58654

Ion Ratio Lower Upper

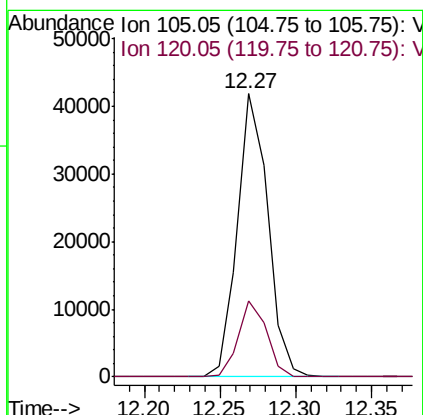
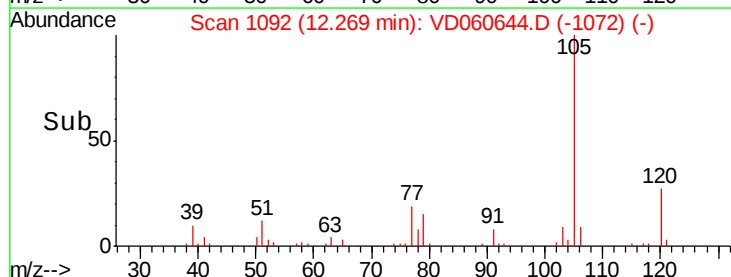
105 100

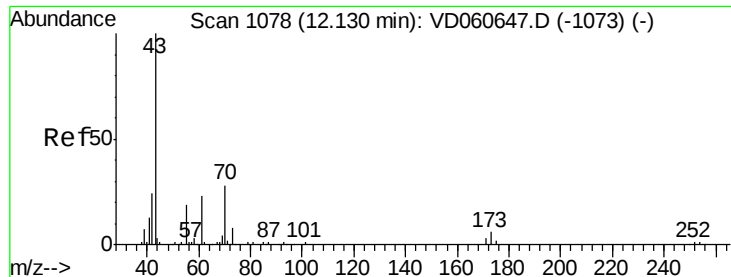
120 26.8 12.4 37.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-ethyl acetate

Concen: 2.916 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 9625

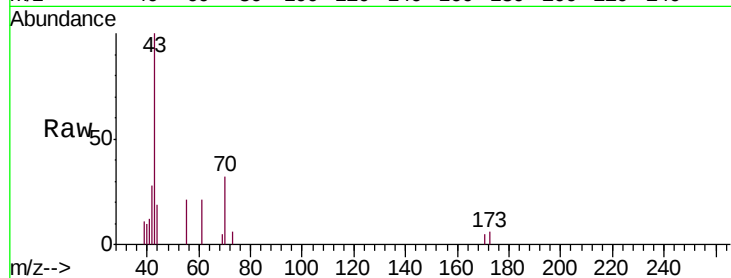
Ion Ratio Lower Upper

43 100

70 31.8 22.8 34.2

55 21.1 14.8 22.2

61 21.1 18.3 27.5

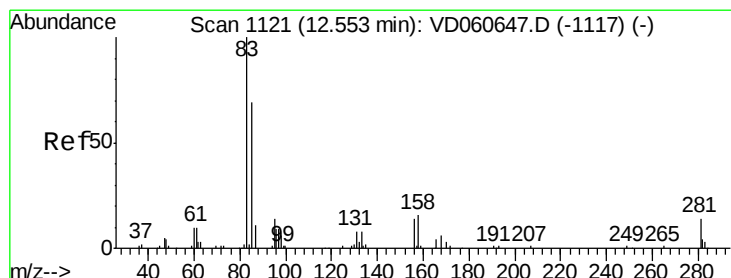
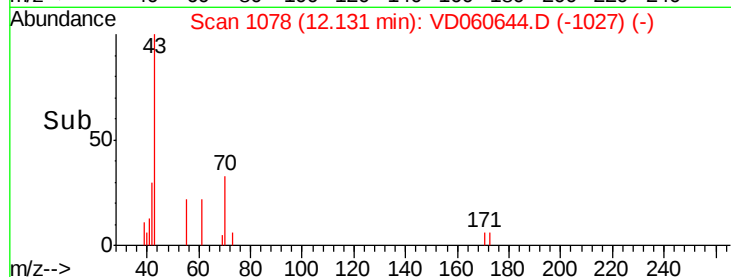
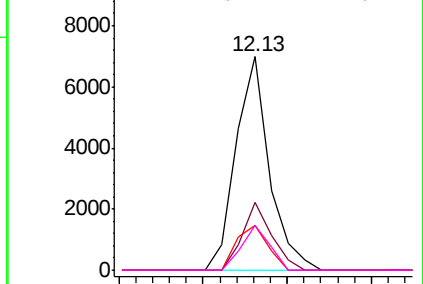


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 4.419 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

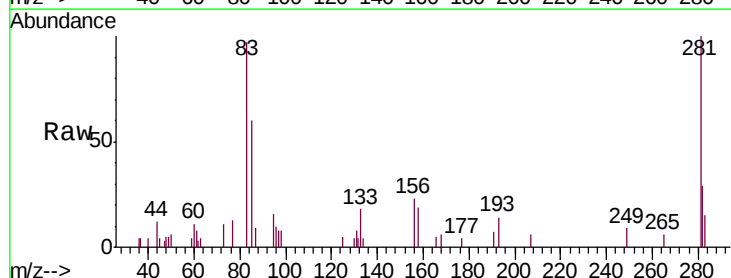
Tgt Ion: 83 Resp: 11793

Ion Ratio Lower Upper

83 100

131 8.3 4.0 12.0

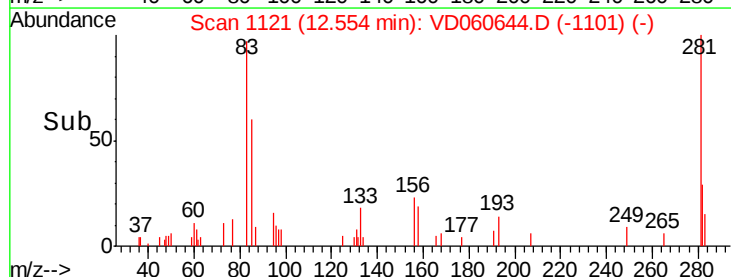
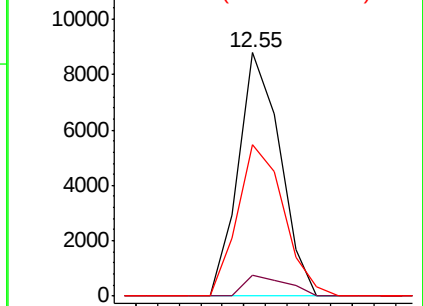
85 62.3 34.5 103.5

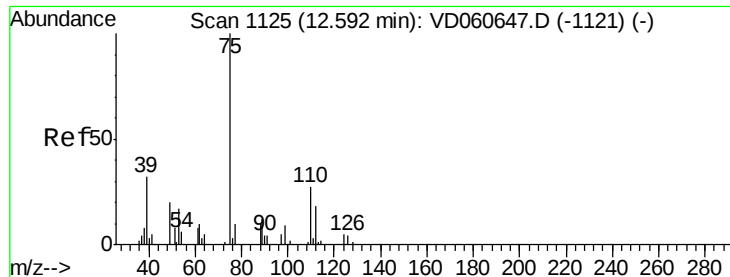


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

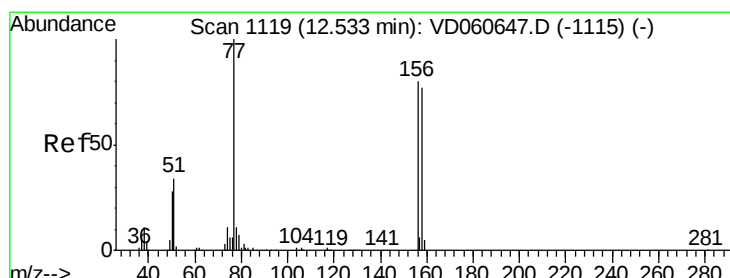
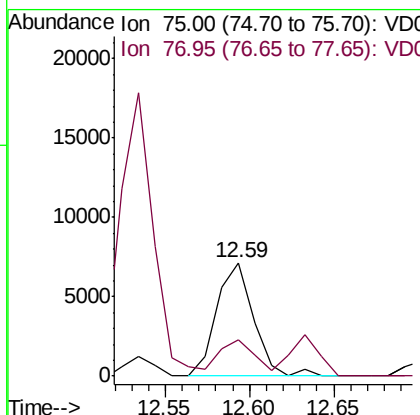
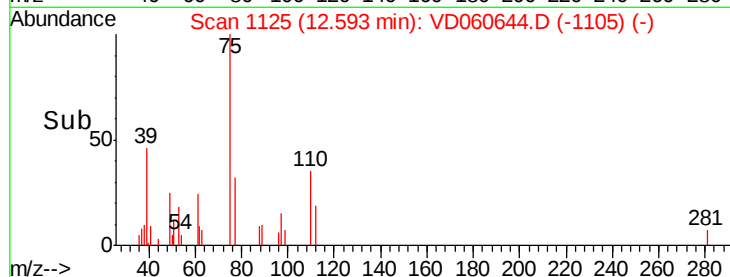
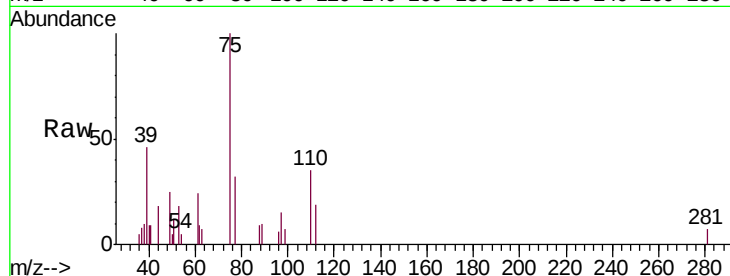




#76
 1,2,3-Trichloropropane
 Concen: 4.482 ug/l
 RT: 12.59 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: VD060644.D
 Acq: 19 Dec 2018 18:09

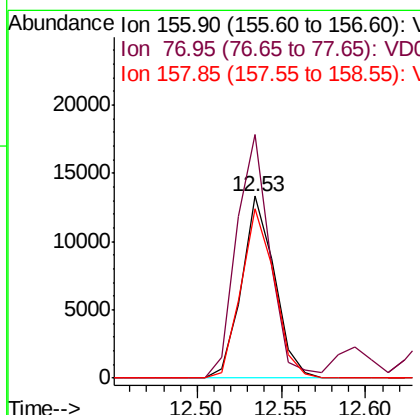
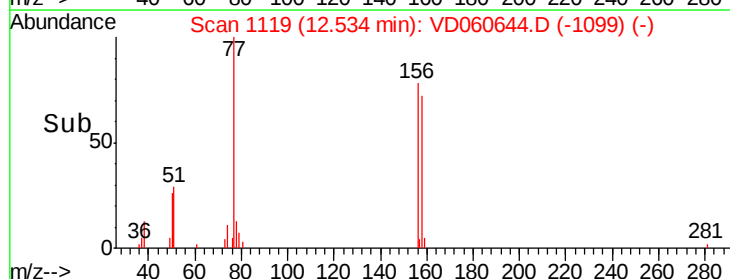
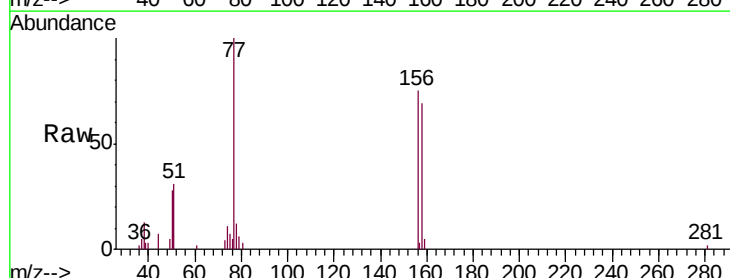
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

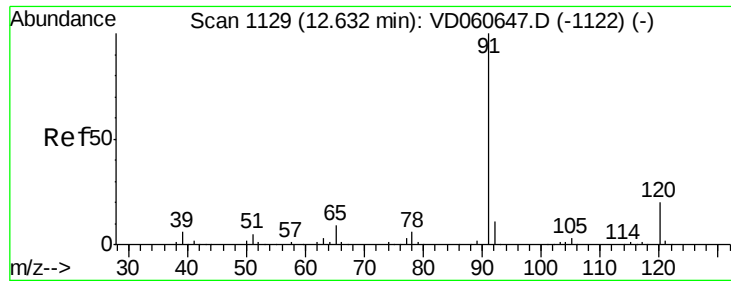
Tgt Ion: 75 Resp: 10887
 Ion Ratio Lower Upper
 75 100
 77 32.1 15.9 47.7



#77
 Bromobenzene
 Concen: 4.234 ug/l
 RT: 12.53 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: VD060644.D
 Acq: 19 Dec 2018 18:09

Tgt Ion: 156 Resp: 18071
 Ion Ratio Lower Upper
 156 100
 77 133.8 62.8 188.5
 158 92.9 48.6 145.9

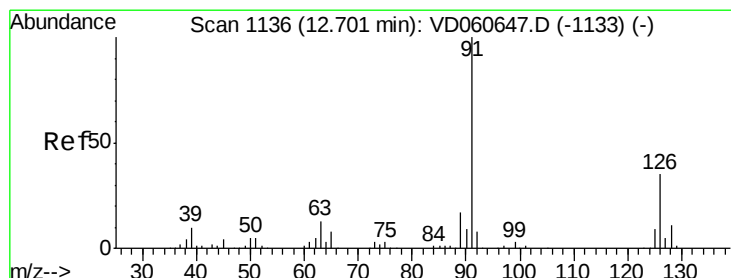
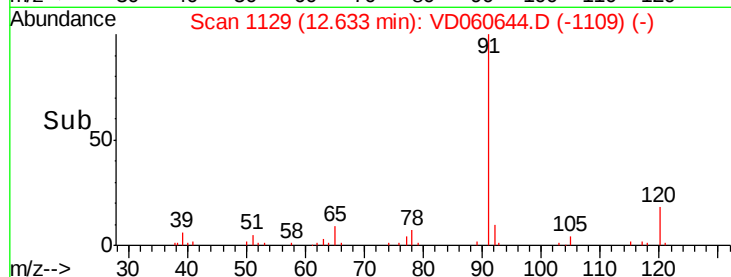
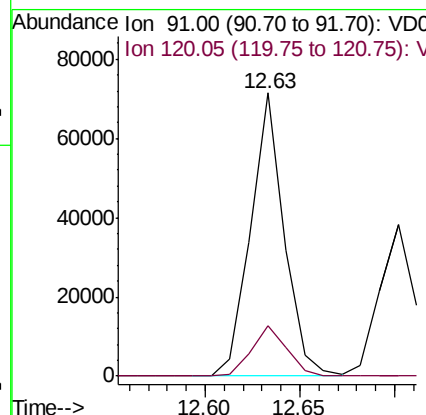
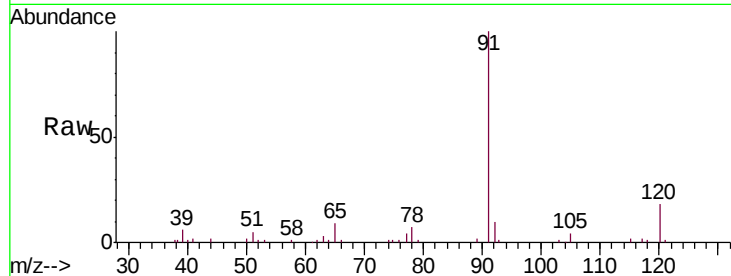




#78
n-propylbenzene
Concen: 4.145 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

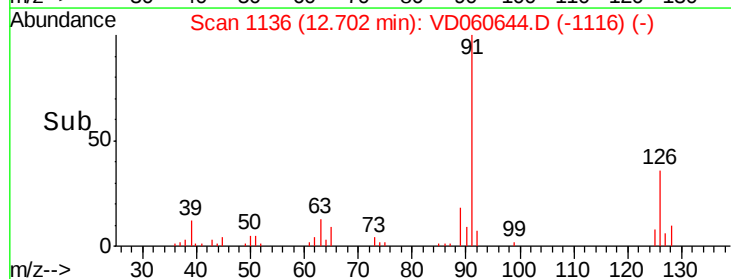
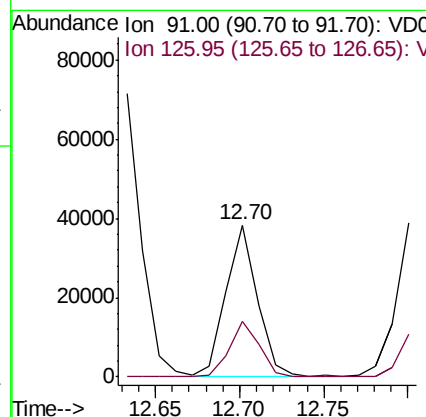
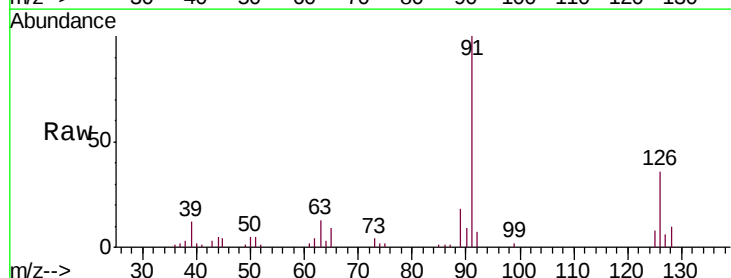
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

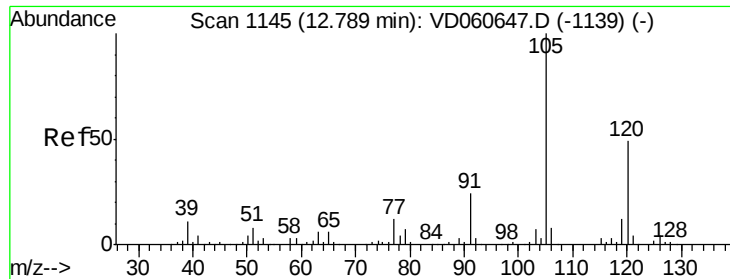
Tgt Ion: 91 Resp: 87746
Ion Ratio Lower Upper
91 100
120 18.0 10.0 29.8



#79
2-Chlorotoluene
Concen: 4.347 ug/l
RT: 12.70 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Tgt Ion: 91 Resp: 50148
Ion Ratio Lower Upper
91 100
126 36.3 17.3 52.0

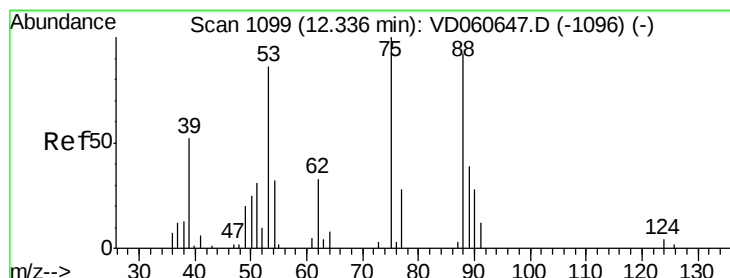
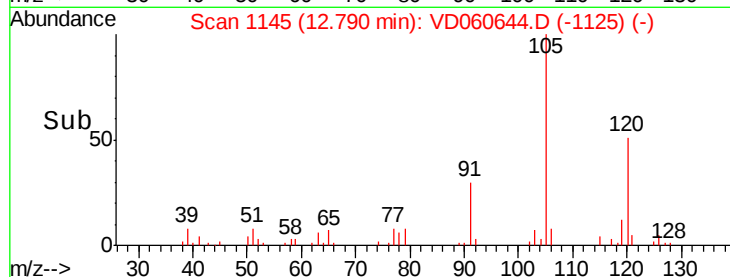
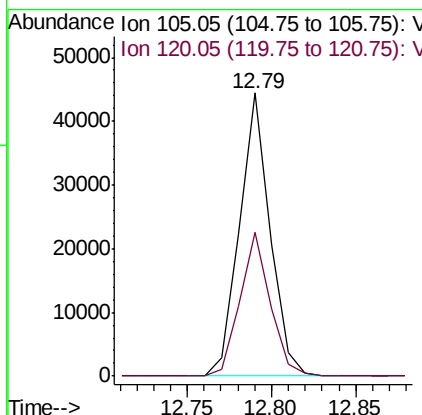
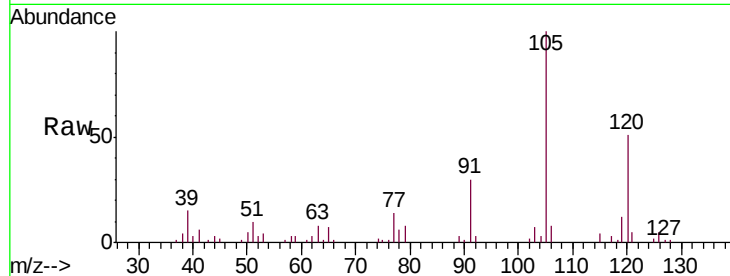




#80
 1,3,5-Trimethylbenzene
 Concen: 4.078 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VD060644.D
 Acq: 19 Dec 2018 18:09

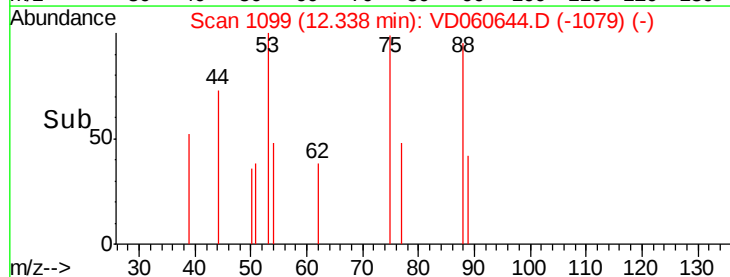
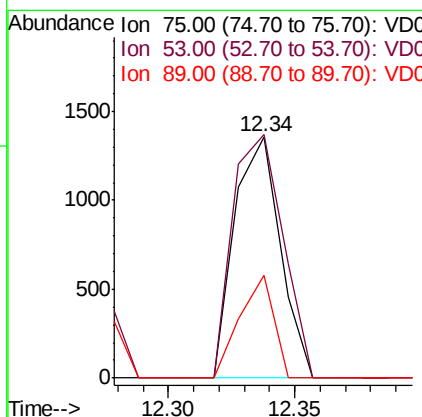
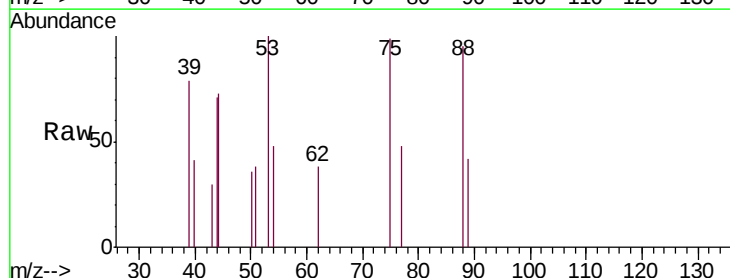
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

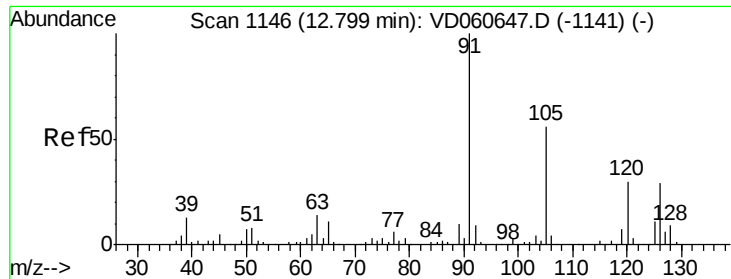
Tgt Ion: 105 Resp: 55645
 Ion Ratio Lower Upper
 105 100
 120 50.9 24.6 74.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 3.054 ug/l
 RT: 12.34 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VD060644.D
 Acq: 19 Dec 2018 18:09

Tgt Ion: 75 Resp: 1709
 Ion Ratio Lower Upper
 75 100
 53 100.8 68.4 102.6
 89 42.5 31.6 47.4

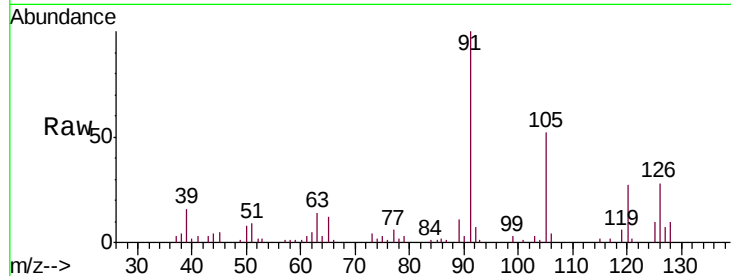




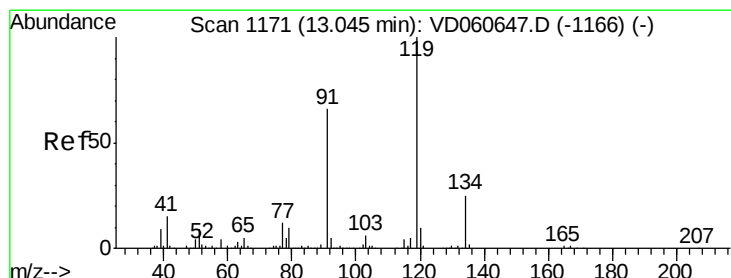
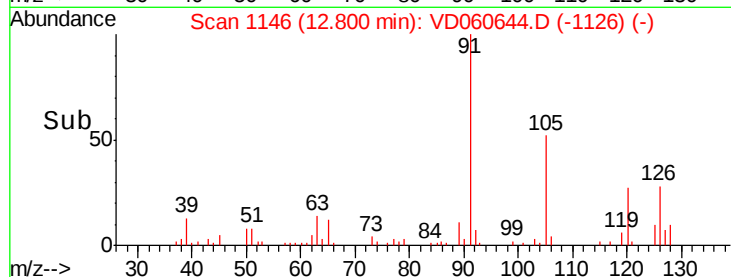
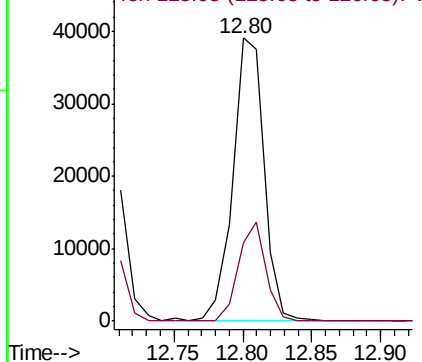
#82
4-Chlorotoluene
Concen: 4.540 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 61623
Ion Ratio Lower Upper
91 100
126 27.6 14.5 43.6

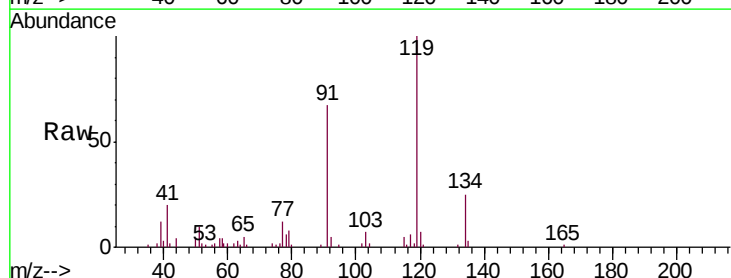


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

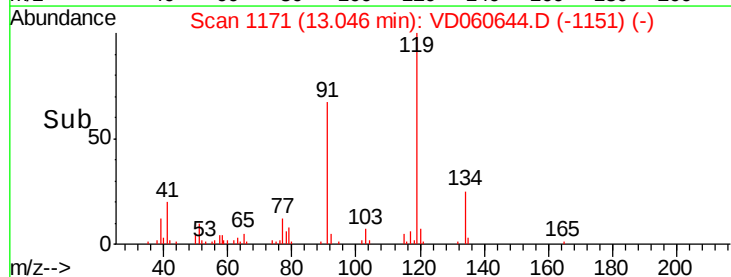
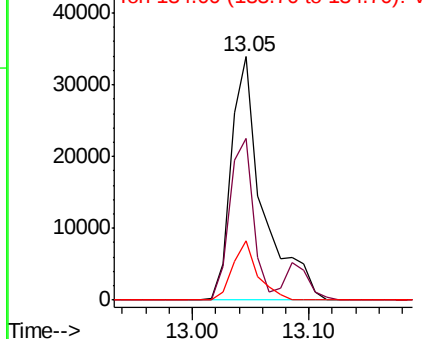


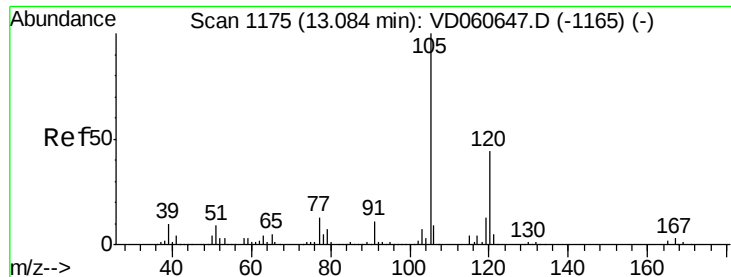
#83
tert-Butylbenzene
Concen: 4.037 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Tgt Ion: 119 Resp: 63524
Ion Ratio Lower Upper
119 100
91 66.5 33.3 99.8
134 24.6 12.5 37.5



Abundance Ion 119.05 (118.75 to 119.75): VDC
Ion 91.00 (90.70 to 91.70): VDC
Ion 134.00 (133.70 to 134.70): V

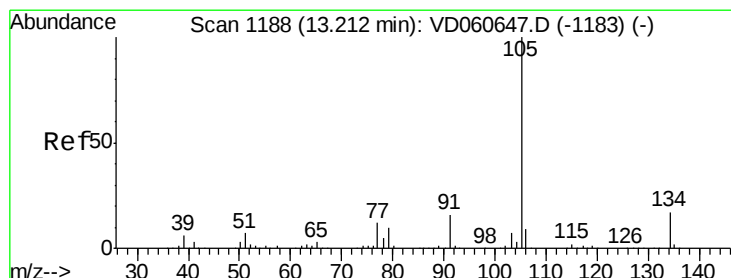
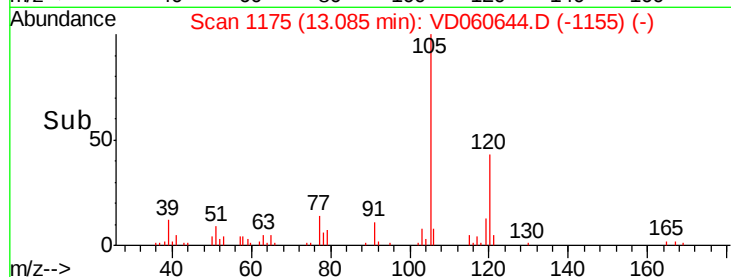
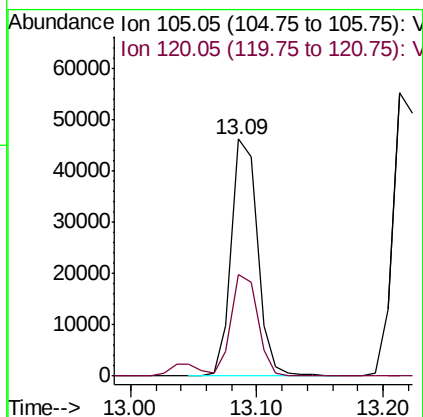
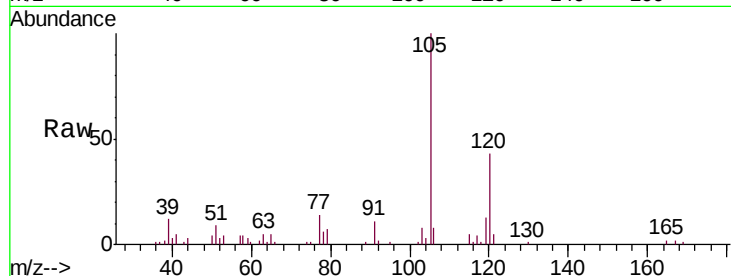




#84
 1,2,4-Trimethylbenzene
 Concen: 4.419 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060644.D
 Acq: 19 Dec 2018 18:09

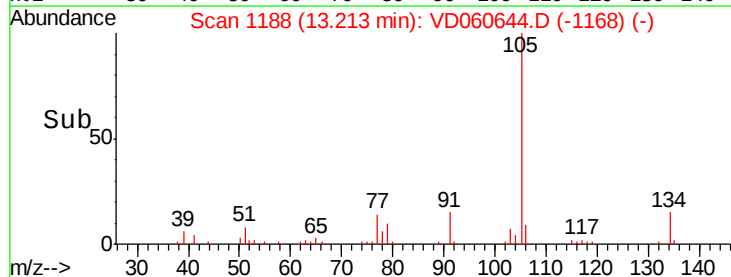
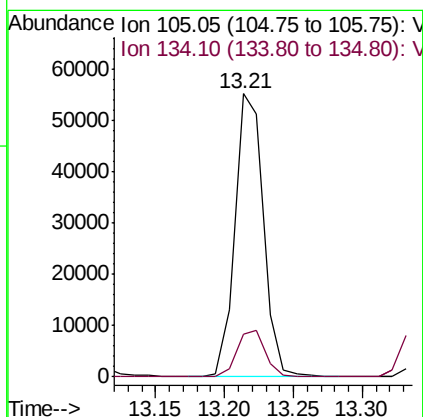
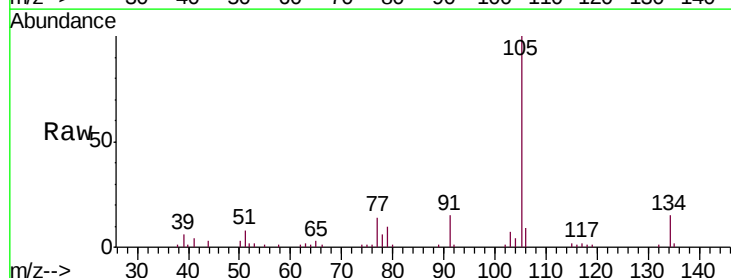
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

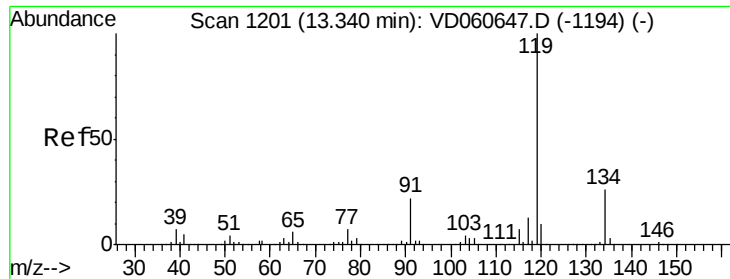
Tgt Ion:105 Resp: 66326
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 3.937 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060644.D
 Acq: 19 Dec 2018 18:09

Tgt Ion:105 Resp: 79406
 Ion Ratio Lower Upper
 105 100
 134 14.9 8.3 24.8

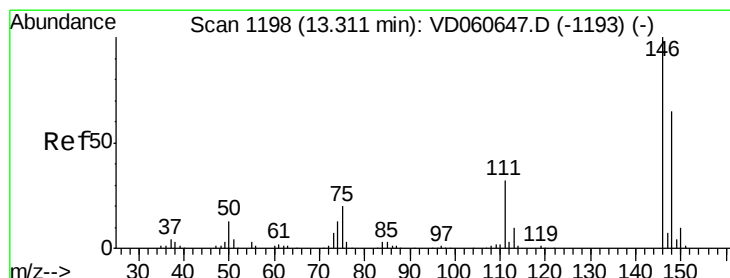
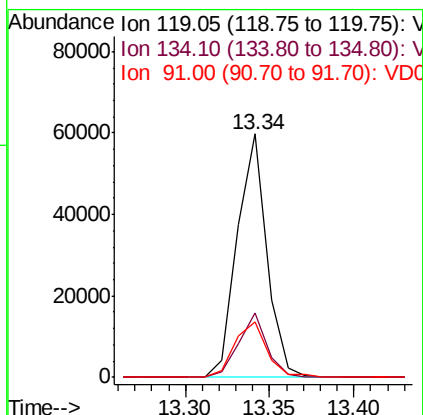
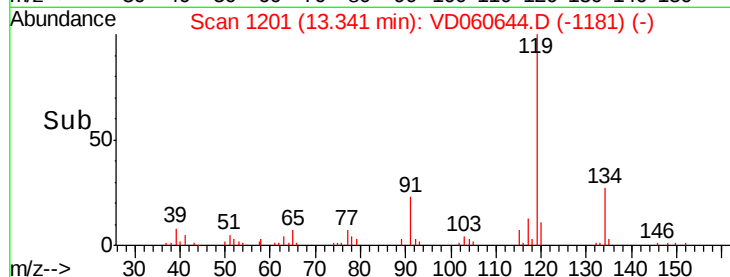
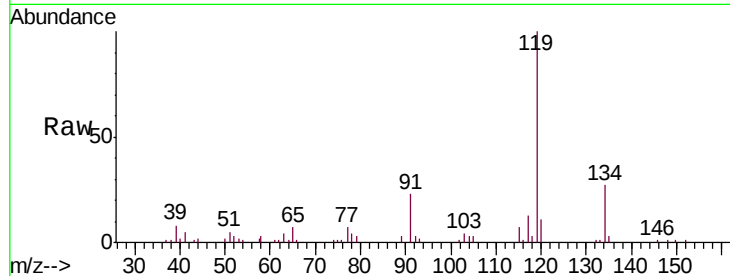




#86
p-Isopropyltoluene
Concen: 4.192 ug/l
RT: 13.34 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

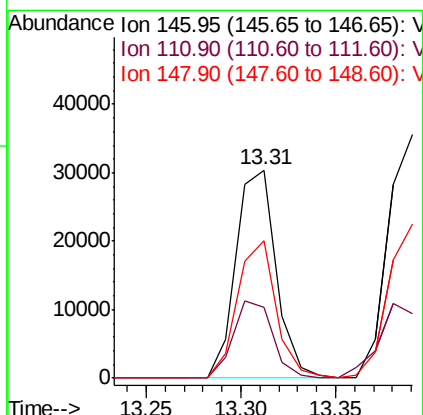
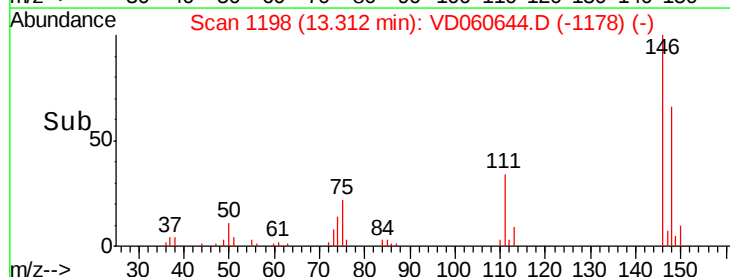
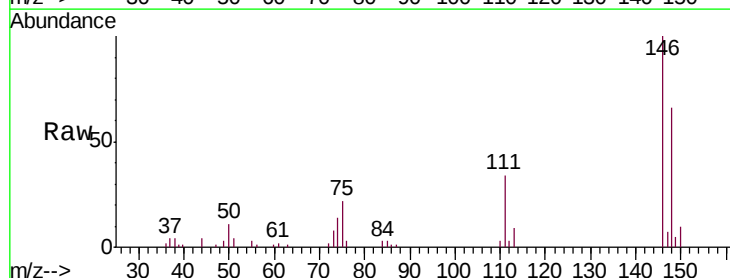
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

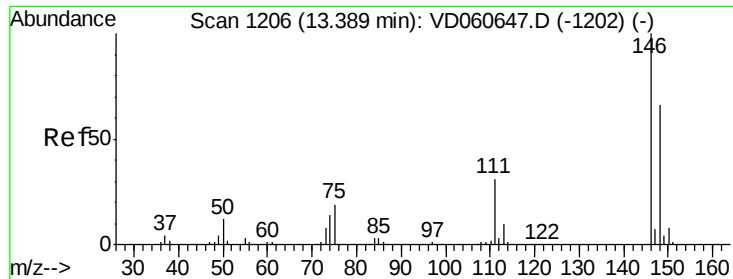
Tgt Ion:119 Resp: 72822
Ion Ratio Lower Upper
119 100
134 26.7 13.1 39.1
91 22.9 11.2 33.5



#87
1,3-Dichlorobenzene
Concen: 4.648 ug/l
RT: 13.31 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Tgt Ion:146 Resp: 44474
Ion Ratio Lower Upper
146 100
111 33.8 15.9 47.7
148 66.1 32.4 97.0

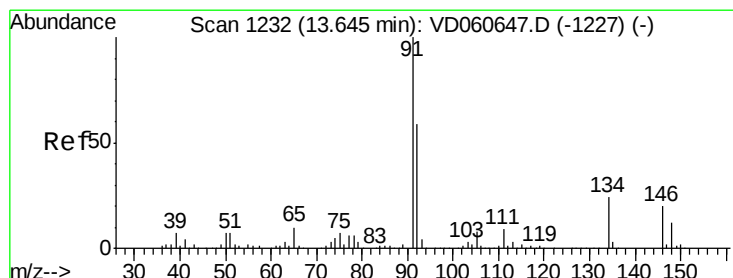
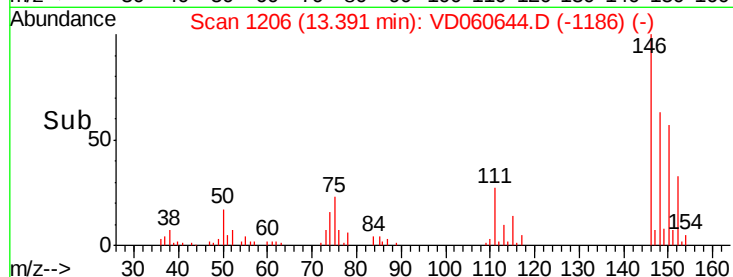
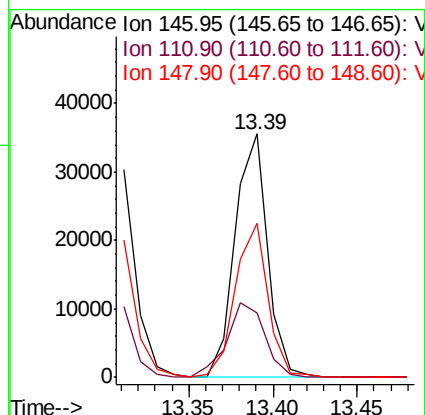
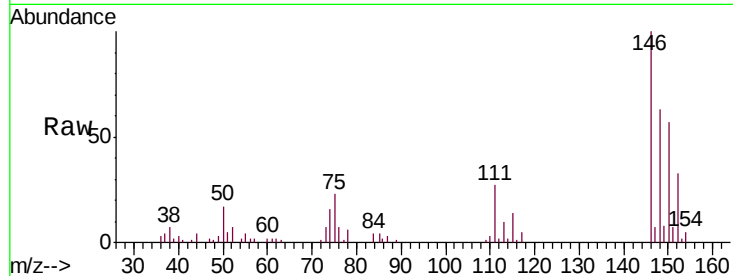




#88
 1,4-Dichlorobenzene
 Concen: 4.918 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VD060644.D
 Acq: 19 Dec 2018 18:09

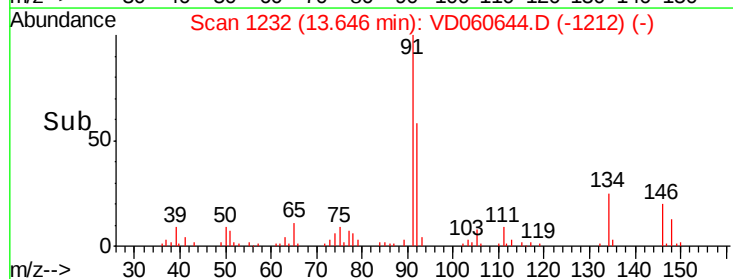
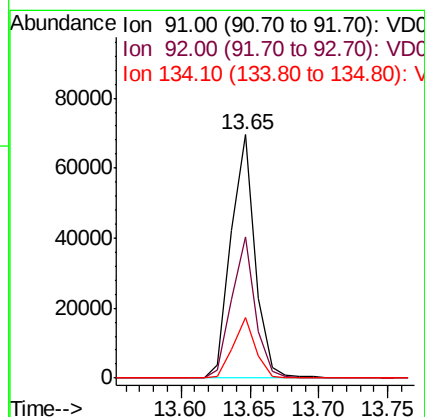
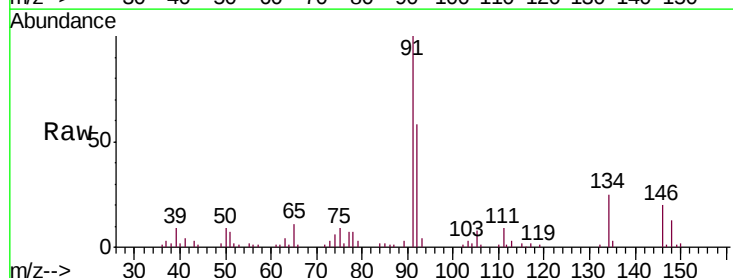
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

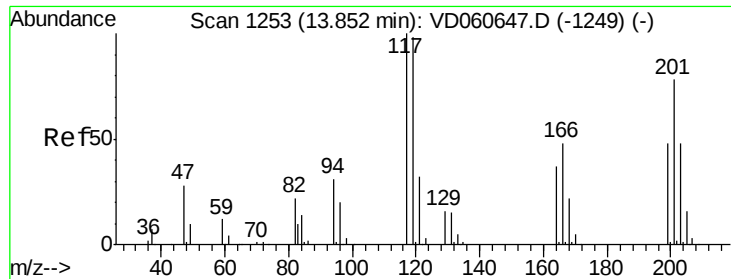
Tgt Ion:146 Resp: 47536
 Ion Ratio Lower Upper
 146 100
 111 26.6 15.4 46.2
 148 63.2 32.9 98.7



#89
 n-Butylbenzene
 Concen: 4.238 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060644.D
 Acq: 19 Dec 2018 18:09

Tgt Ion: 91 Resp: 84387
 Ion Ratio Lower Upper
 91 100
 92 58.1 29.7 89.1
 134 24.8 12.0 36.0

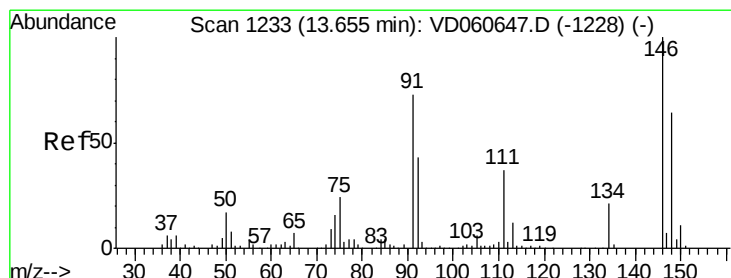
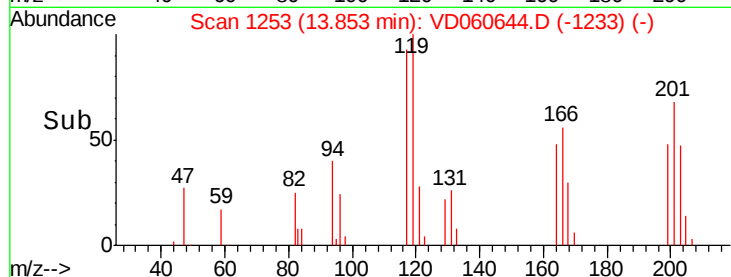
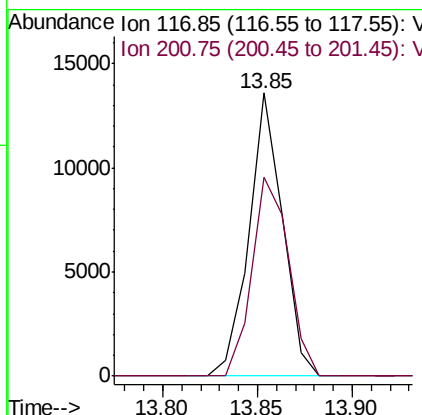
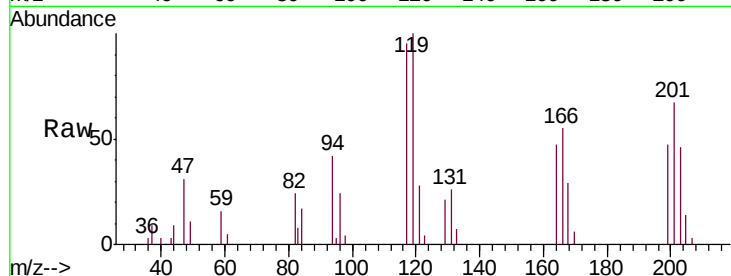




#90
Hexachloroethane
Concen: 4.000 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

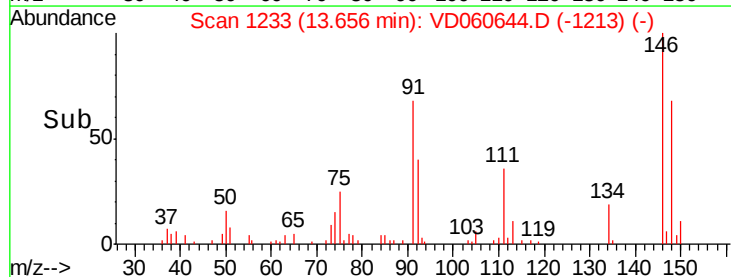
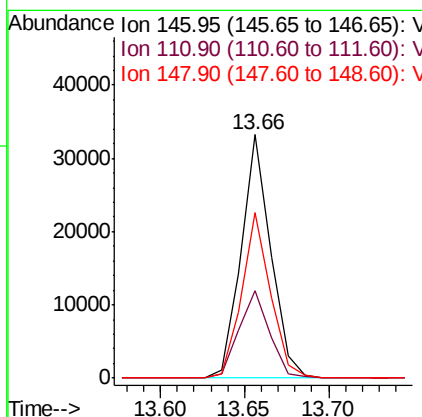
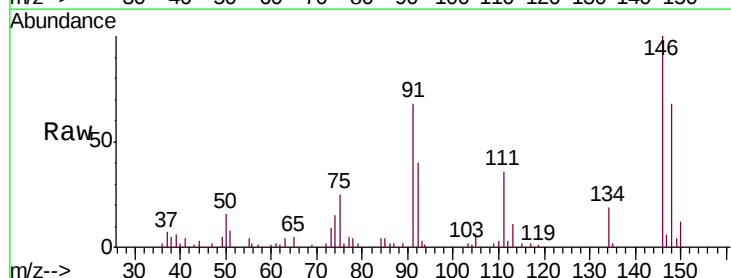
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

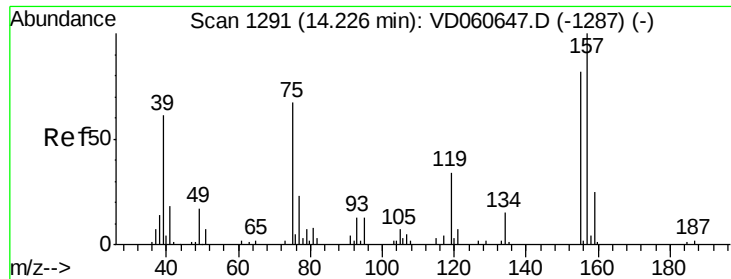
Tgt Ion:117 Resp: 16675
Ion Ratio Lower Upper
117 100
201 70.1 39.0 116.9



#91
1,2-Dichlorobenzene
Concen: 4.636 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD060644.D
Acq: 19 Dec 2018 18:09

Tgt Ion:146 Resp: 40510
Ion Ratio Lower Upper
146 100
111 35.9 18.6 55.6
148 67.8 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.408 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

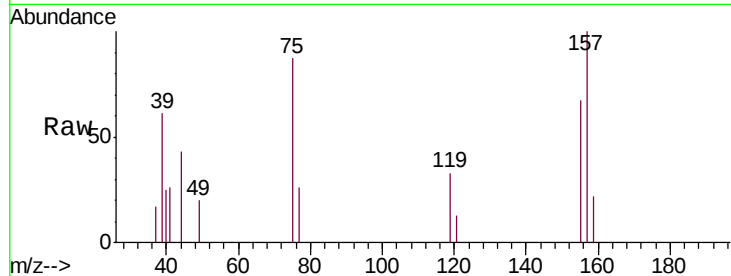
Tgt Ion: 75 Resp: 2035

Ion Ratio Lower Upper

75 100

155 76.5 61.6 184.8

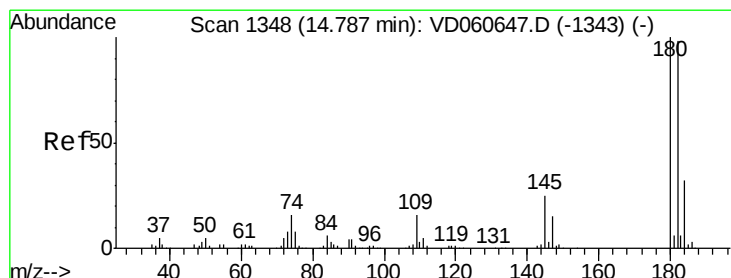
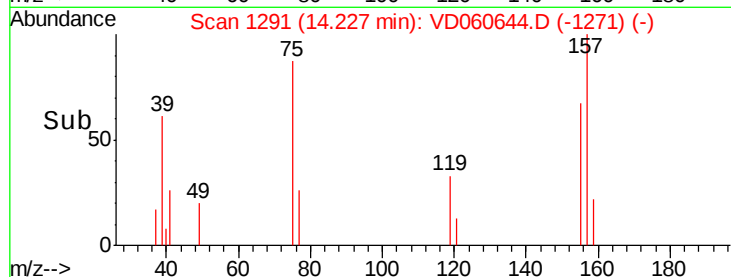
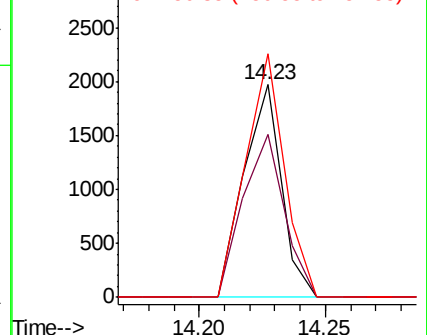
157 114.5 75.2 225.6



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#93

1,2,4-Trichlorobenzene

Concen: 4.094 ug/l

RT: 14.79 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

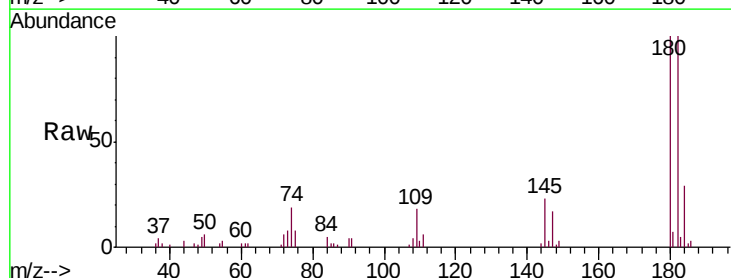
Tgt Ion: 180 Resp: 36416

Ion Ratio Lower Upper

180 100

182 100.3 48.8 146.3

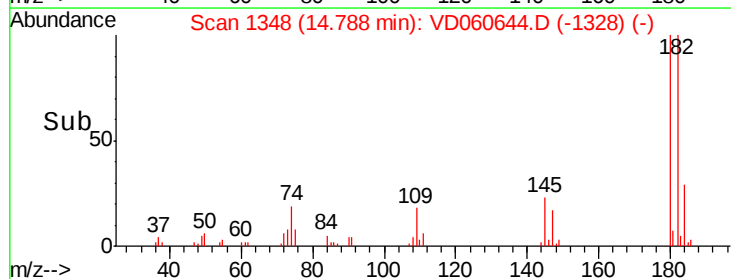
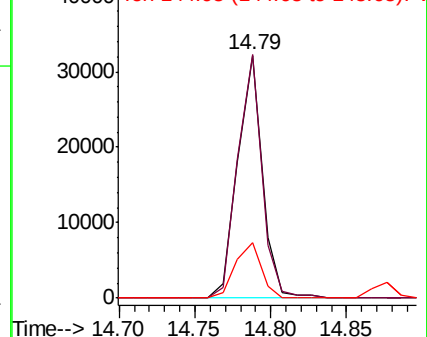
145 23.1 12.6 37.6

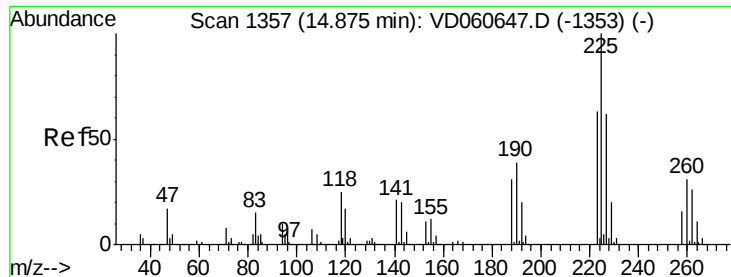


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#94

Hexachlorobutadiene

Concen: 4.460 ug/l

RT: 14.88 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

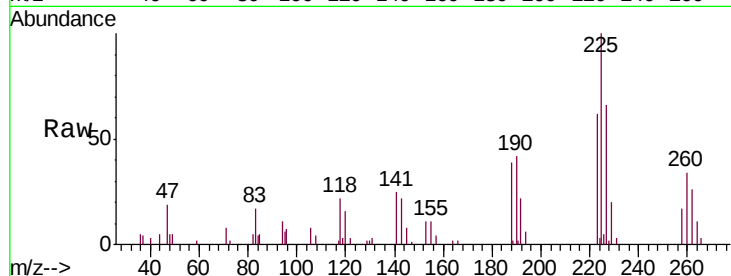
Tgt Ion:225 Resp: 29418

Ion Ratio Lower Upper

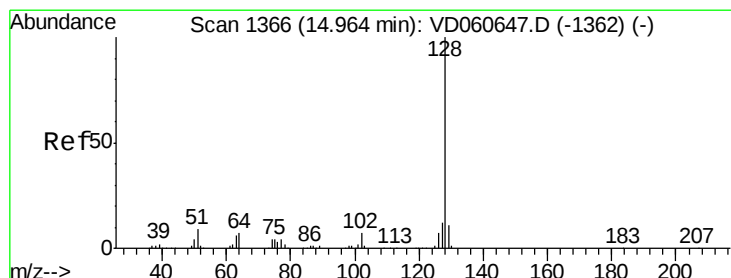
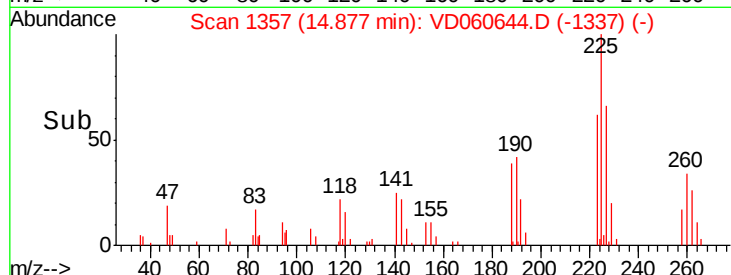
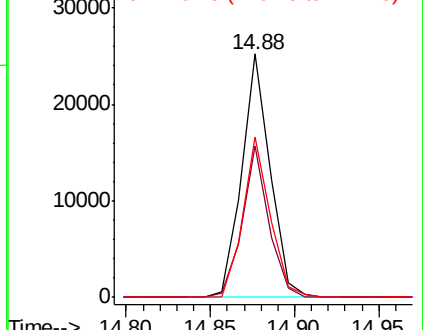
225 100

223 62.3 31.6 94.7

227 66.0 30.9 92.5



Abundance Ion 224.75 (224.45 to 225.45): V
Ion 222.75 (222.45 to 223.45): V
Ion 226.75 (226.45 to 227.45): V



#95

Naphthalene

Concen: 3.678 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VD060644.D

Acq: 19 Dec 2018 18:09

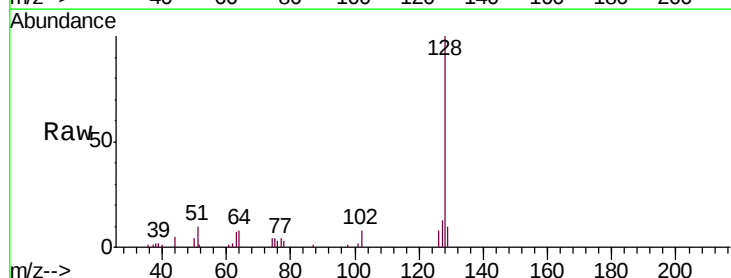
Tgt Ion:128 Resp: 38566

Ion Ratio Lower Upper

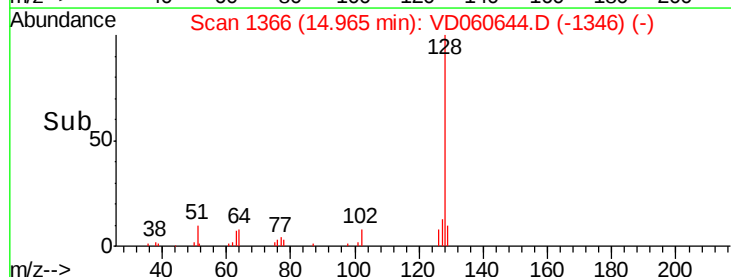
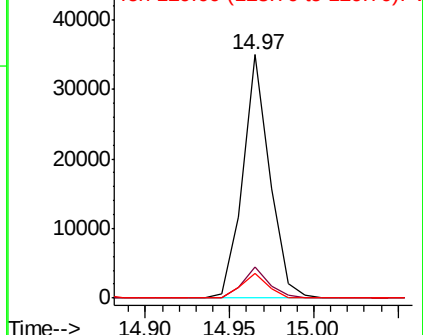
128 100

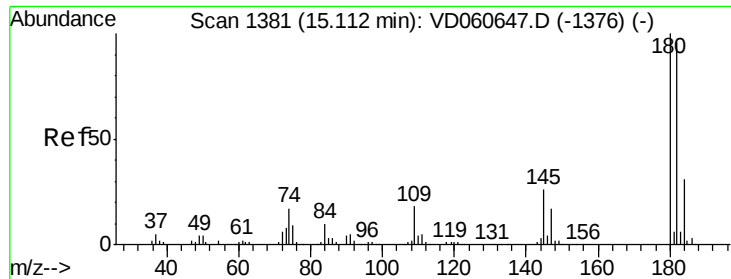
127 12.8 9.4 14.0

129 10.0 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

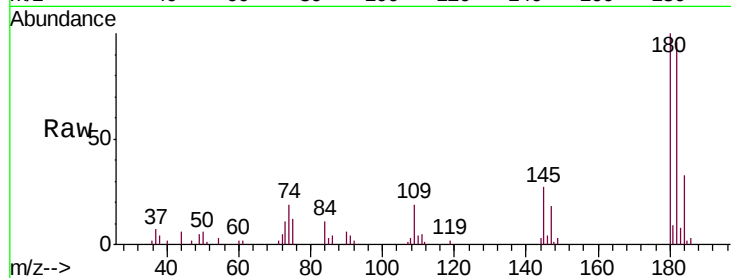




#96
 1,2,3-Trichlorobenzene
 Concen: 4.044 ug/l
 RT: 15.11 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VD060644.D
 Acq: 19 Dec 2018 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 29371
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.1 144.4
 145 27.2 13.2 39.6



Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

