

Data File : VD060650.D
Acq On : 19 Dec 2018 20:56
Operator : VA/AP
Sample : VSTDICC150
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Quant Time: Dec 20 01:10:51 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	323265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	458629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	409733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	330083	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	350234	145.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.36%	
35) Dibromofluoromethane	6.30	113	499985	146.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.06%	
50) Toluene-d8	9.44	98	1537717	144.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.58%	
62) 4-Bromofluorobenzene	12.42	95	702366	151.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.62%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.56	85	481089	100.396	ug/l	99
3) Chloromethane	1.74	50	871158	151.743	ug/l	97
4) Vinyl Chloride	1.83	62	631067	144.526	ug/l	99
5) Bromomethane	2.13	94	233659	92.102	ug/l	100
6) Chloroethane	2.24	64	226336	116.717	ug/l	98
7) Trichlorofluoromethane	2.49	101	641239	134.413	ug/l	98
8) Diethyl Ether	2.79	74	131584	143.107	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	463499	141.970	ug/l	97
10) Methyl Iodide	3.22	142	506081	145.877	ug/l	99
11) Tert butyl alcohol	3.90	59	85704	853.569	ug/l #	92
12) 1,1-Dichloroethene	3.05	96	410472	146.976	ug/l	98
13) Acrolein	2.95	56	100876	844.684	ug/l	95
14) Allyl chloride	3.51	41	671590	143.336	ug/l	98
15) Acrylonitrile	4.04	53	427736	775.172	ug/l	96
16) Acetone	3.12	43	388434	685.911	ug/l	100
17) Carbon Disulfide	3.29	76	1352724	147.369	ug/l	100
18) Methyl Acetate	3.51	43	219196	148.778	ug/l	97
19) Methyl tert-butyl Ether	4.07	73	615813	151.239	ug/l	98
20) Methylene Chloride	3.69	84	522445	137.543	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	539255	139.468	ug/l	97
22) Diisopropyl ether	4.81	45	1713550	147.994	ug/l	98
23) Vinyl Acetate	4.76	43	4145667	781.639	ug/l	100
24) 1,1-Dichloroethane	4.72	63	877710	143.923	ug/l	99
25) 2-Butanone	5.58	43	599333	769.505	ug/l	97
26) 2,2-Dichloropropane	5.56	77	543097	164.032	ug/l	98
27) cis-1,2-Dichloroethene	5.57	96	552761	148.429	ug/l	94
28) Bromochloromethane	5.89	49	373156	158.351	ug/l #	92
29) Tetrahydrofuran	5.91	42	333342	789.344	ug/l	98
30) Chloroform	6.07	83	878704	142.790	ug/l	96
31) Cyclohexane	6.34	56	824760	148.755	ug/l	95
32) 1,1,1-Trichloroethane	6.27	97	708007	148.673	ug/l	97
36) 1,1-Dichloropropene	6.50	75	687660	132.924	ug/l	96
37) Ethyl Acetate	5.66	43	269706	151.609	ug/l	97
38) Carbon Tetrachloride	6.47	117	576229	145.115	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	808659	147.901	ug/l	99
40) Benzene	6.77	78	1773457	137.669	ug/l	99
41) Methacrylonitrile	5.89	41	353548	333.884	ug/l #	91
42) 1,2-Dichloroethane	6.87	62	446292	139.368	ug/l	99
43) Isopropyl Acetate	8.32	43	372481	158.471	ug/l #	97
44) Trichloroethene	7.72	130	539121	142.766	ug/l	96
45) 1,2-Dichloropropane	8.09	63	436993	141.254	ug/l	96
46) Dibromomethane	8.19	93	244403	148.147	ug/l	100
47) Bromodichloromethane	8.47	83	603965	145.801	ug/l	96
48) Methyl methacrylate	8.22	41	238225	168.916	ug/l	94
49) 1,4-Dioxane	8.21	88	57716	3794.589	ug/l	95
51) 4-Methyl-2-Pentanone	9.32	43	1207877	767.931	ug/l	100
52) Toluene	9.53	92	1115592	142.044	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	500788	158.670	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	651484	154.147	ug/l	100
55) 1,1,2-Trichloroethane	10.16	97	313584	149.629	ug/l	95
56) Ethyl methacrylate	10.02	69	298765	160.232	ug/l	98
57) 1,3-Dichloropropane	10.37	76	501574	141.919	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.90	63	483622	881.060	ug/l	97
59) 2-Hexanone	10.48	43	862167	764.330	ug/l	96
60) Dibromochloromethane	10.63	129	421192	153.638	ug/l	99
61) 1,2-Dibromoethane	10.74	107	306025	146.421	ug/l	98
64) Tetrachloroethene	10.24	164	509339	139.099	ug/l	99
65) Chlorobenzene	11.30	112	1308131	145.186	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	432702	144.150	ug/l	98
67) Ethyl Benzene	11.42	91	2242431	137.643	ug/l	98
68) m/p-Xylenes	11.56	106	1738087	287.791	ug/l	94
69) o-Xylene	11.92	106	876751	147.039	ug/l	94
70) Styrene	11.95	104	1422274	146.189	ug/l	98
71) Bromoform	12.11	173	333676	169.782	ug/l	99
73) Isopropylbenzene	12.27	105	2456143	138.884	ug/l	100
74) N-amyl acetate	12.13	43	656352	171.788	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	475416	153.889	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	456966	162.501	ug/l	99
77) Bromobenzene	12.53	156	701260	141.933	ug/l	100
78) n-propylbenzene	12.63	91	3336585	136.146	ug/l	99
79) 2-Chlorotoluene	12.70	91	1840041	137.773	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	2190574	138.657	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	110530	170.594	ug/l	97
82) 4-Chlorotoluene	12.81	91	2108735	134.187	ug/l	85
83) tert-Butylbenzene	13.05	119	2514179	138.021	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	2402209	138.234	ug/l	99
85) sec-Butylbenzene	13.21	105	3239906	138.752	ug/l	99
86) p-Isopropyltoluene	13.34	119	2794508	138.957	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	1549890	139.923	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1559808	139.380	ug/l	98
89) n-Butylbenzene	13.65	91	2981652	129.339	ug/l	99
90) Hexachloroethane	13.85	117	723104	149.847	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1313681	129.871	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	85965	160.854	ug/l	93

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

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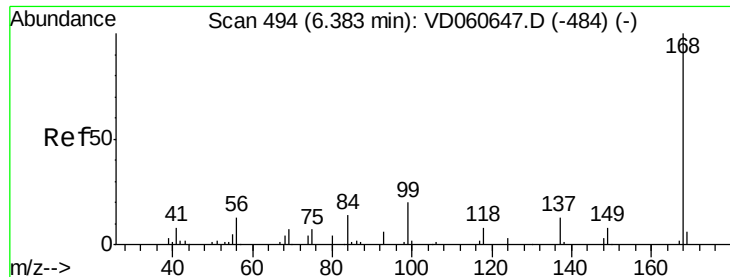
Quant Time: Dec 20 01:10:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 01:02:26 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1367980	132.847	ug/l	99
94) Hexachlorobutadiene	14.88	225	974784	127.654	ug/l	98
95) Naphthalene	14.96	128	1754941	144.575	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	1169599	139.107	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

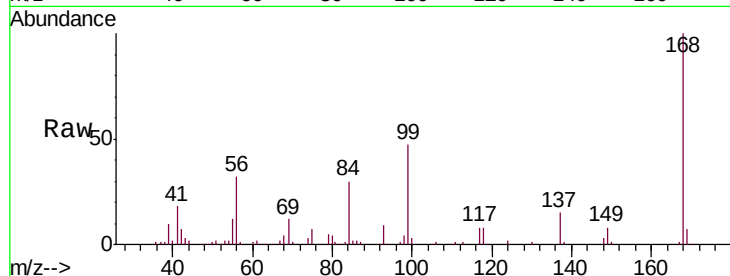
VSTDIC150

Tgt Ion:168 Resp: 323265

Ion Ratio Lower Upper

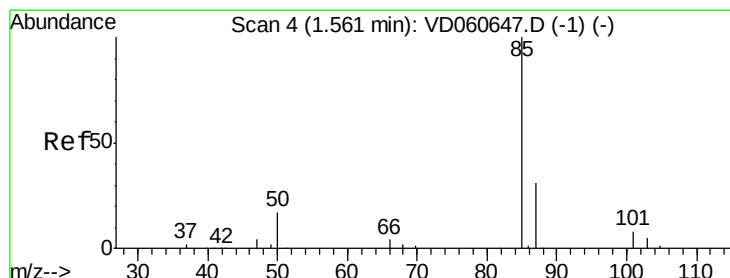
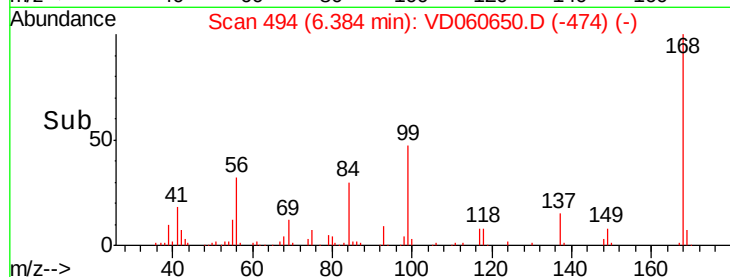
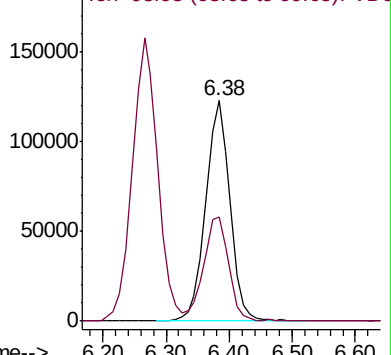
168 100

99 47.1 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 100.396 ug/l

RT: 1.56 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD060650.D

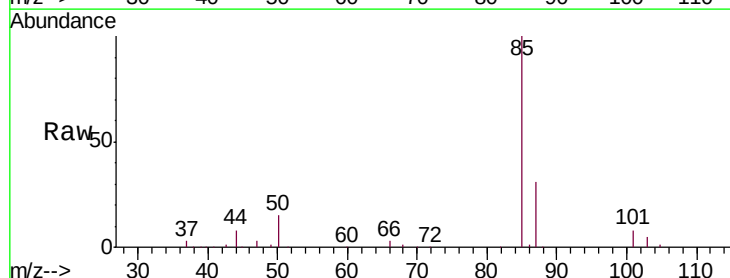
Acq: 19 Dec 2018 20:56

Tgt Ion: 85 Resp: 481089

Ion Ratio Lower Upper

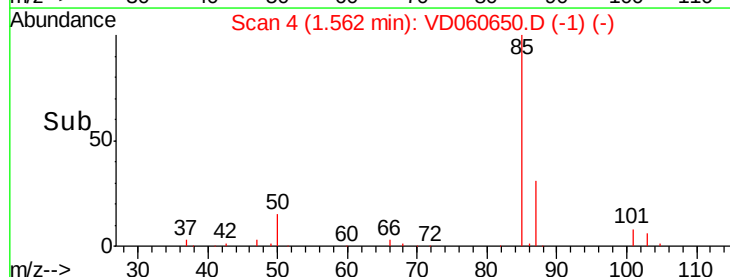
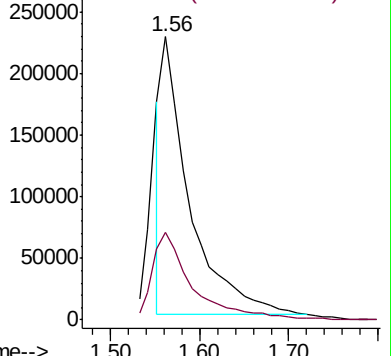
85 100

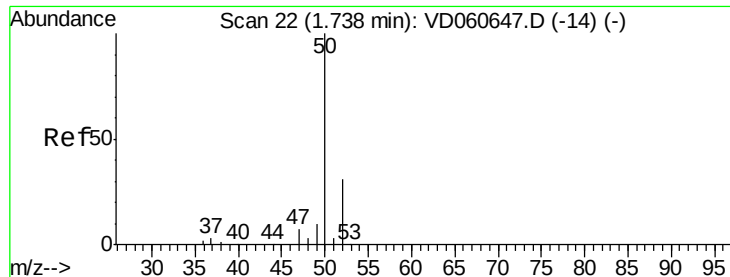
87 31.0 15.3 45.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 151.743 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

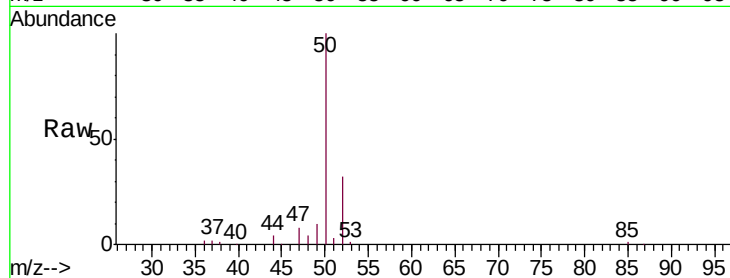
VSTDIC150

Tgt Ion: 50 Resp: 871158

Ion Ratio Lower Upper

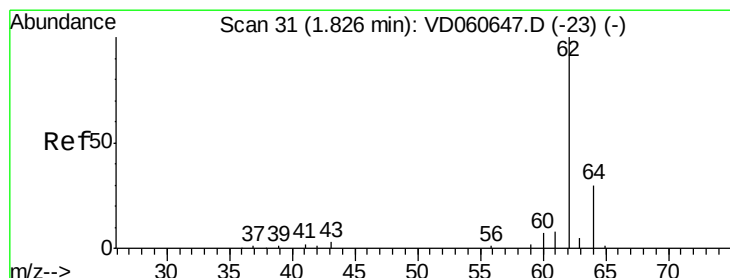
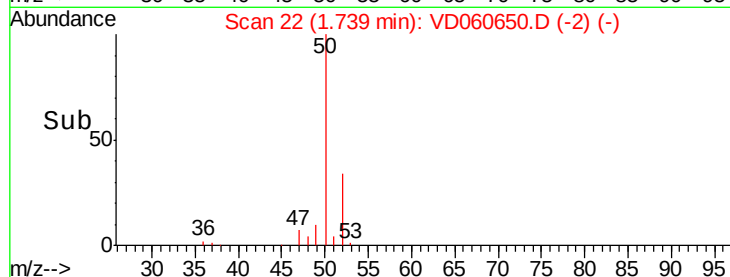
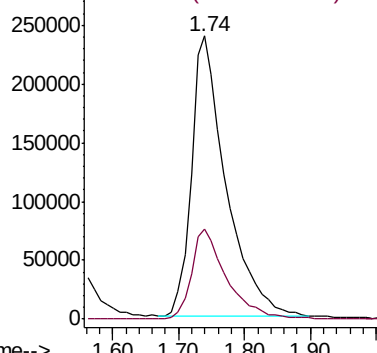
50 100

52 31.9 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: 144.526 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060650.D

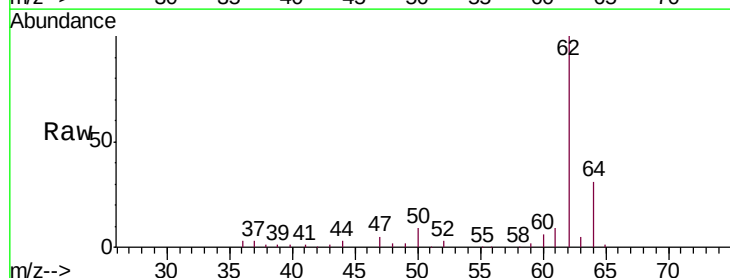
Acq: 19 Dec 2018 20:56

Tgt Ion: 62 Resp: 631067

Ion Ratio Lower Upper

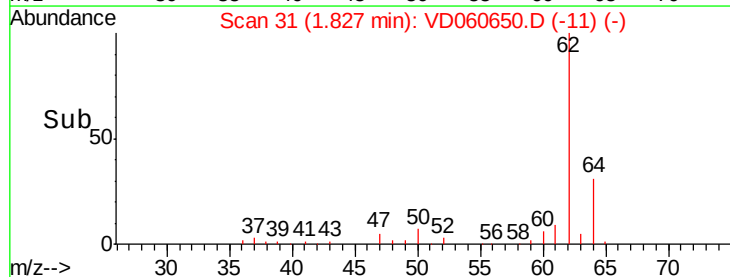
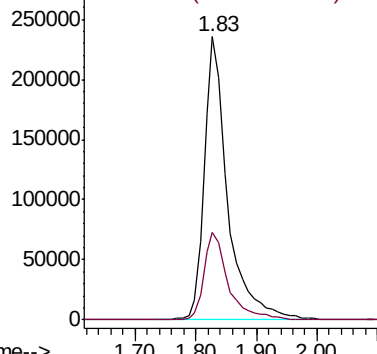
62 100

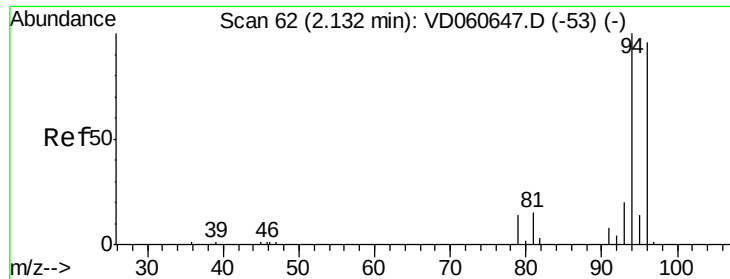
64 30.9 24.3 36.5



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

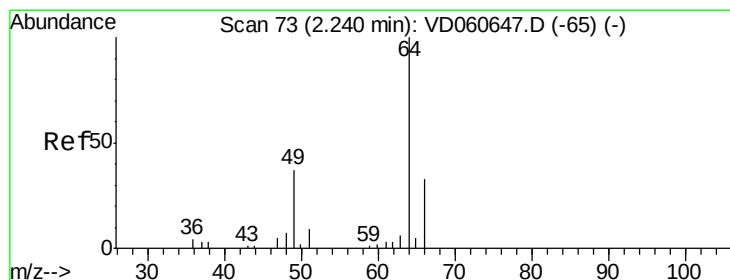
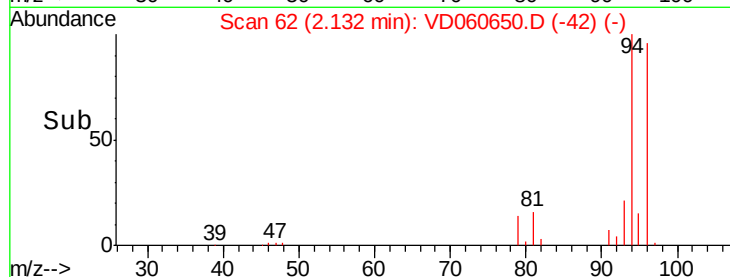
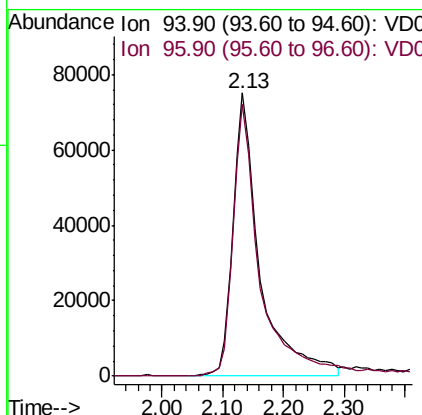
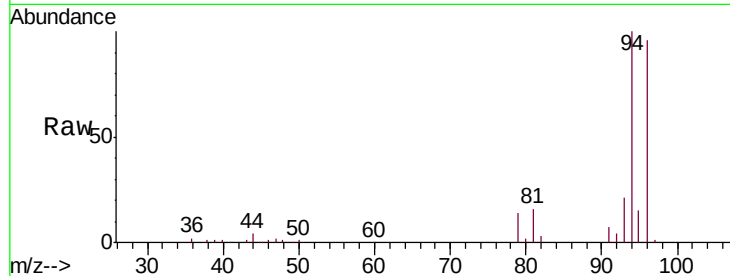




#5
Bromomethane
Concen: 92.102 ug/l
RT: 2.13 min Scan# 62
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

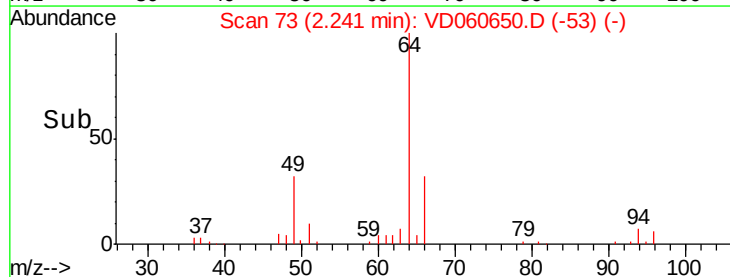
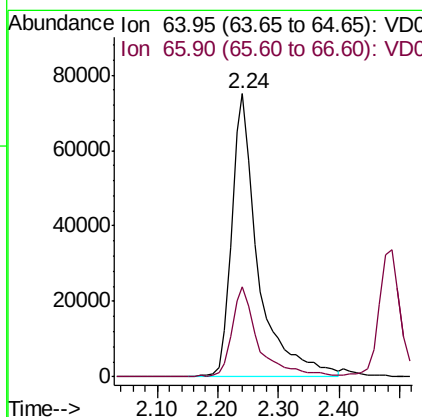
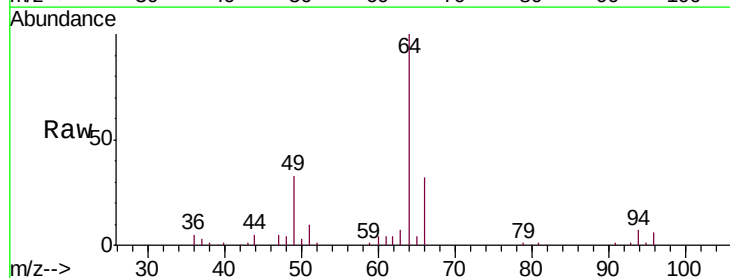
Instrument :
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ClientSampleId :
VSTDIC150

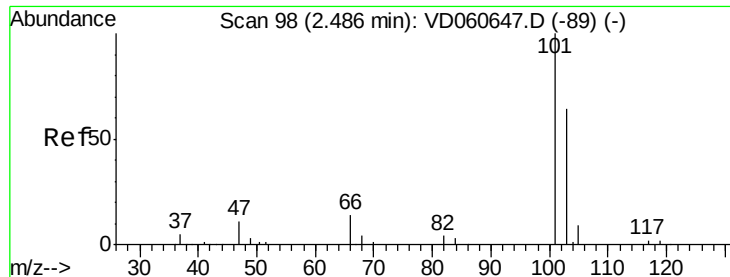
Tgt Ion: 94 Resp: 233659
Ion Ratio Lower Upper
94 100
96 96.2 76.7 115.1



#6
Chloroethane
Concen: 116.717 ug/l
RT: 2.24 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion: 64 Resp: 226336
Ion Ratio Lower Upper
64 100
66 31.7 26.2 39.2



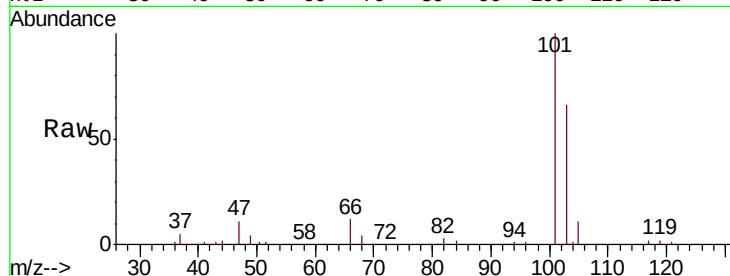


#7

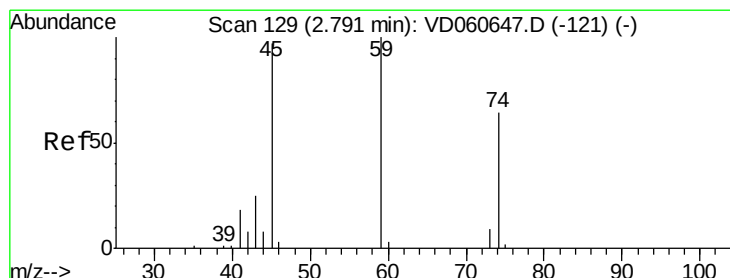
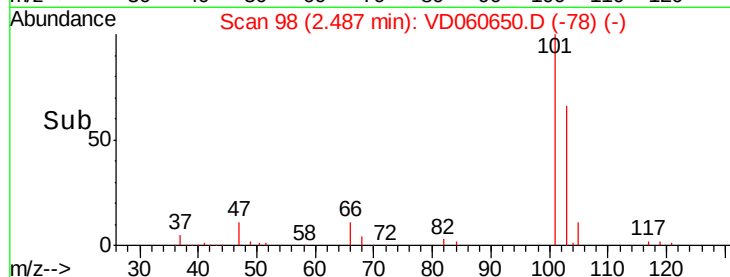
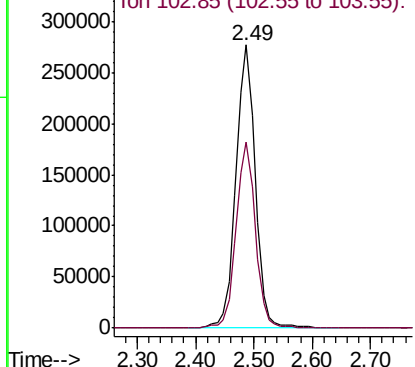
Trichlorofluoromethane
Concen: 134.413 ug/l
RT: 2.49 min Scan# 98
Delta R.T. 0.00 min
Lab File: VD060650.D
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Instrument :
MSVOA_D
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Tgt Ion: 101 Resp: 641239
Ion Ratio Lower Upper
101 100
103 65.6 51.4 77.0



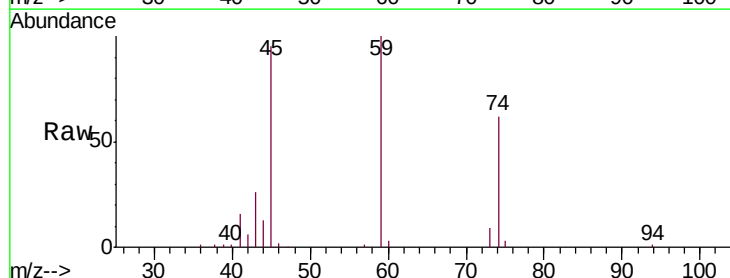
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



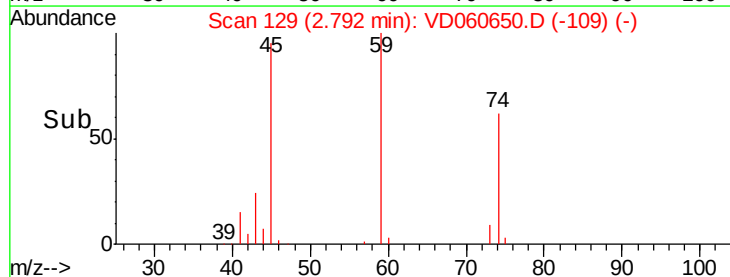
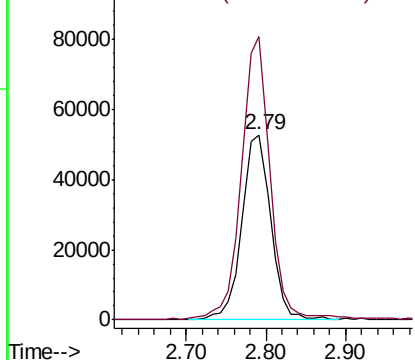
#8

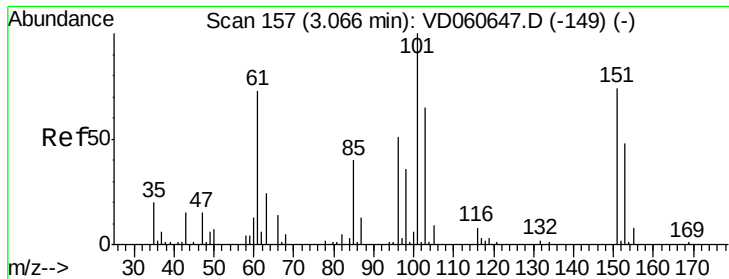
Diethyl Ether
Concen: 143.107 ug/l
RT: 2.79 min Scan# 129
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion: 74 Resp: 131584
Ion Ratio Lower Upper
74 100
45 153.0 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: 141.970 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.00 min

Lab File: VD060650.D

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VSTDIC150

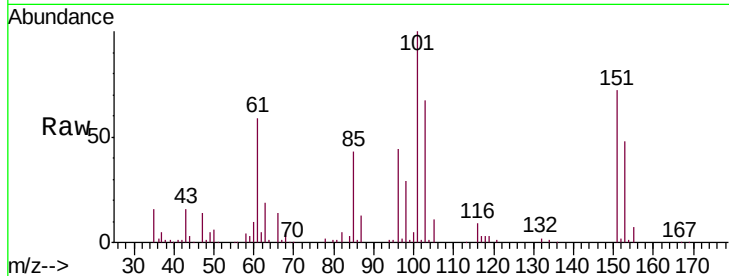
Tgt Ion:101 Resp: 463499

Ion Ratio Lower Upper

101 100

85 42.7 31.7 47.5

151 72.0 58.9 88.3

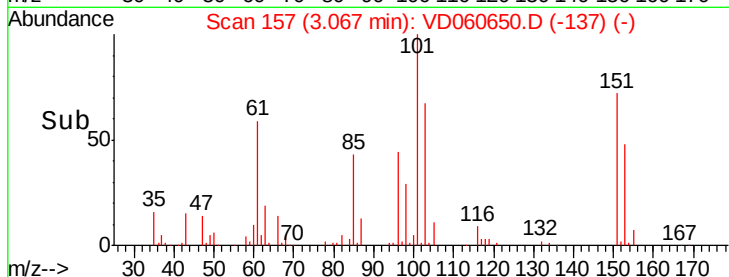


Abundance Ion 100.85 (100.55 to 101.55): V

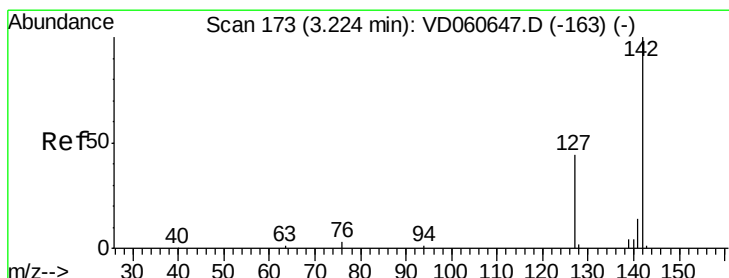
Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

Time-->



Time-->



#10

Methyl Iodide

Concen: 145.877 ug/l

RT: 3.22 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

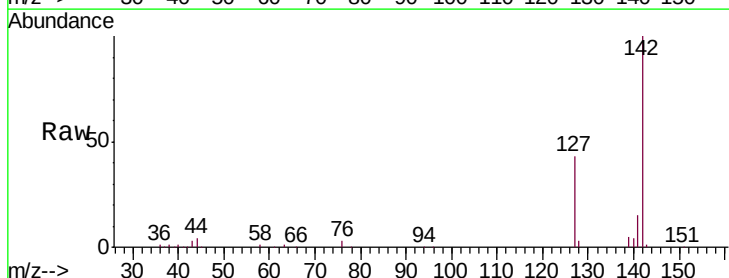
Tgt Ion:142 Resp: 506081

Ion Ratio Lower Upper

142 100

127 43.5 35.3 52.9

141 14.6 11.4 17.0

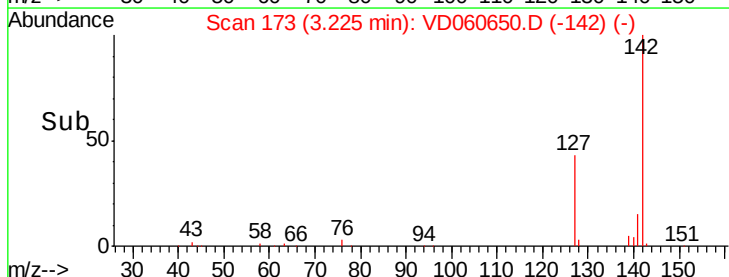


Abundance Ion 141.85 (141.55 to 142.55): V

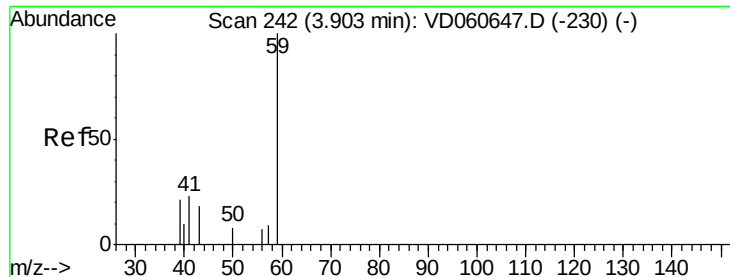
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

Time-->



Time-->

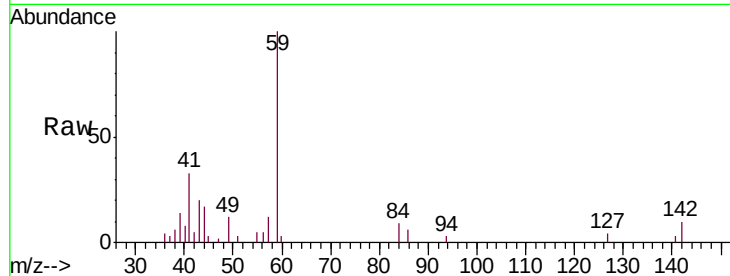


#11

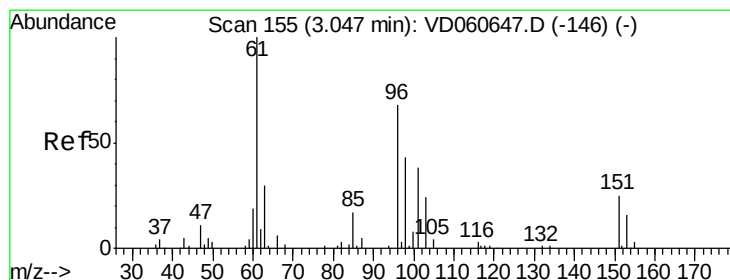
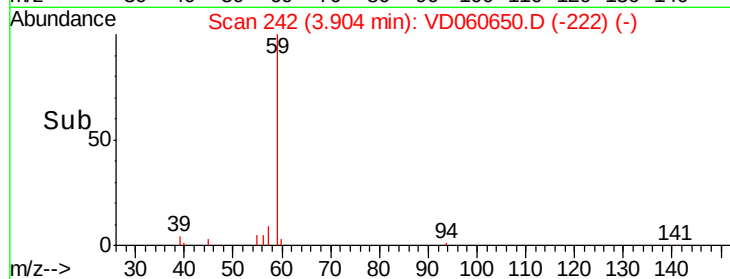
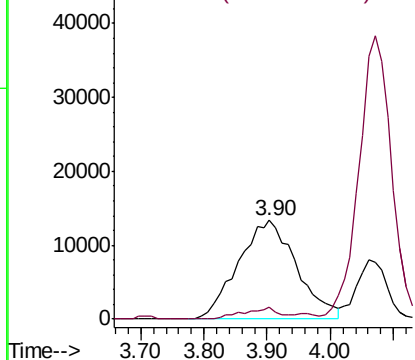
Tert butyl alcohol
Concen: 853.569 ug/l
RT: 3.90 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 59 Resp: 85704
Ion Ratio Lower Upper
59 100
57 11.6 7.0 10.6#



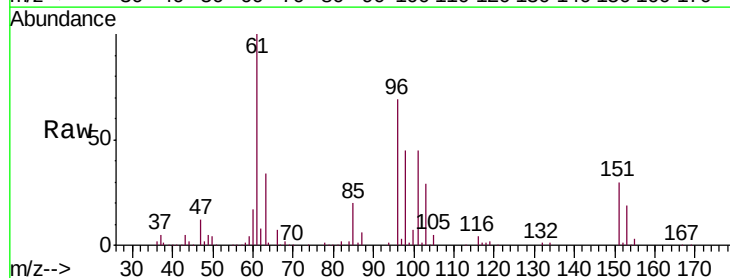
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



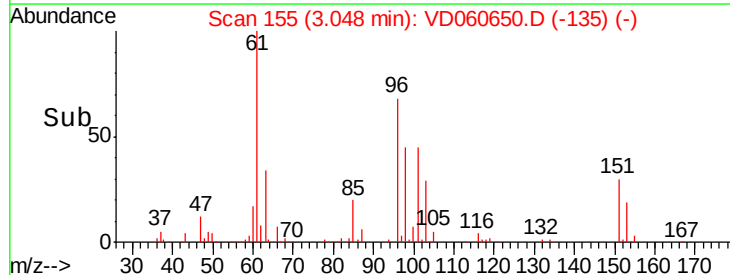
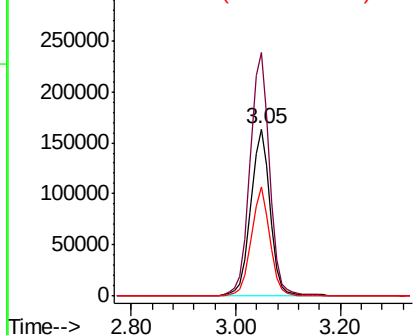
#12

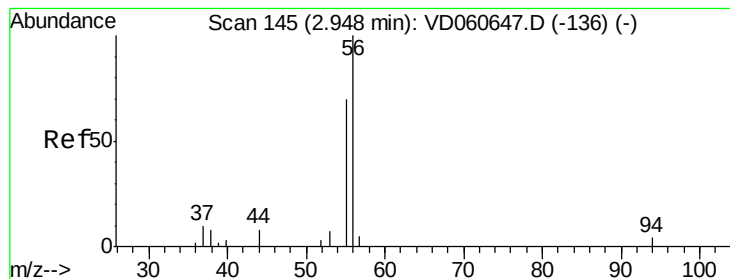
1,1-Dichloroethene
Concen: 146.976 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion: 96 Resp: 410472
Ion Ratio Lower Upper
96 100
61 145.5 117.7 176.5
98 65.1 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: 844.684 ug/l

RT: 2.95 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

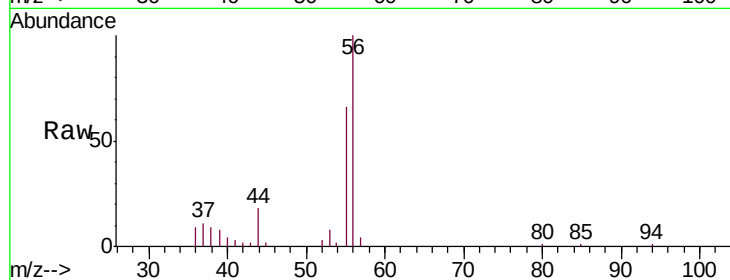
VSTDIC150

Tgt Ion: 56 Resp: 100876

Ion Ratio Lower Upper

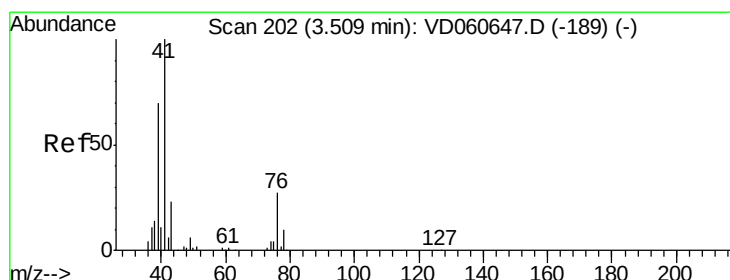
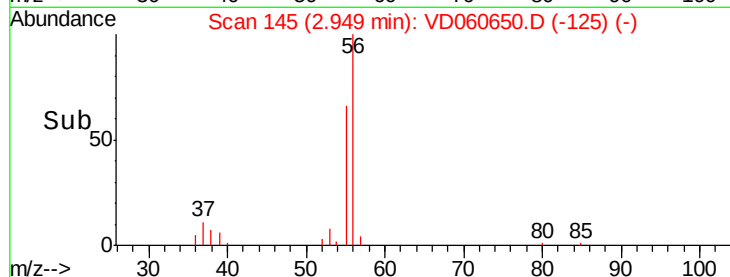
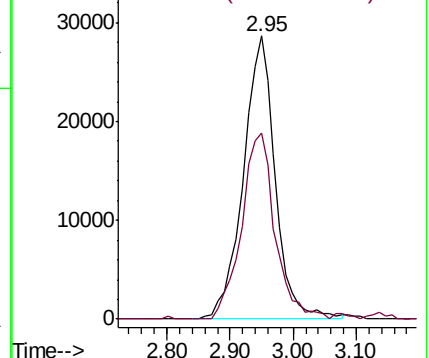
56 100

55 65.9 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: 143.336 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

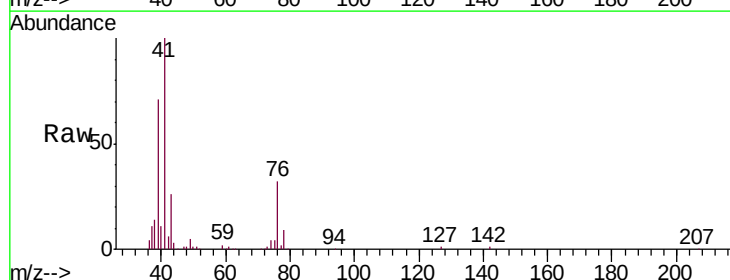
Tgt Ion: 41 Resp: 671590

Ion Ratio Lower Upper

41 100

39 71.0 55.7 83.5

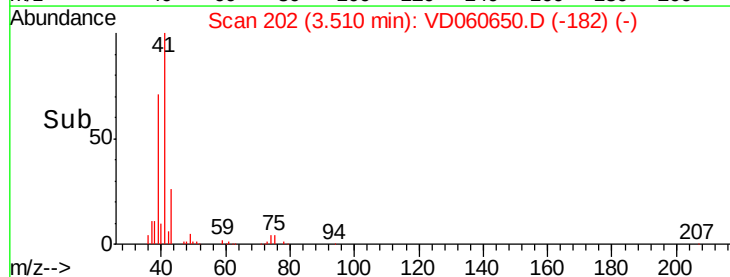
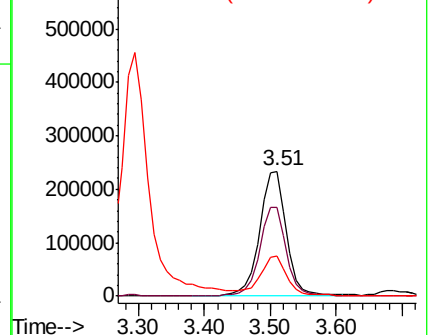
76 31.8 23.9 35.9

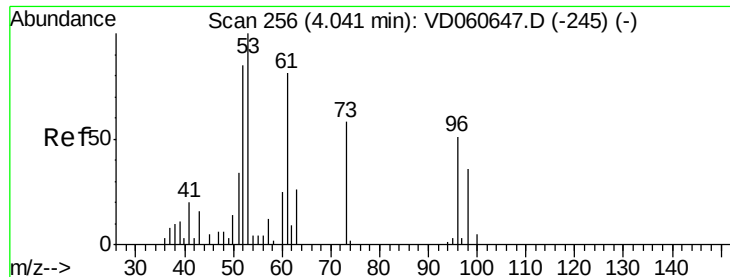


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 775.172 ug/l

RT: 4.04 min Scan# 256

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

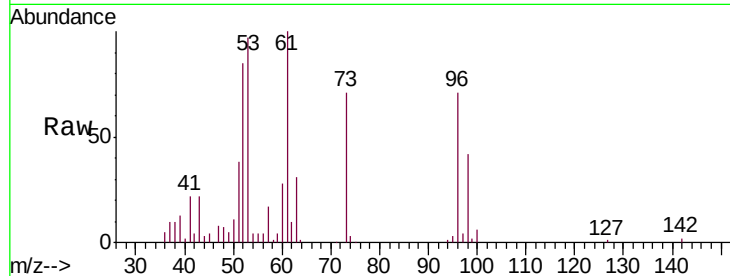
Tgt Ion: 53 Resp: 427736

Ion Ratio Lower Upper

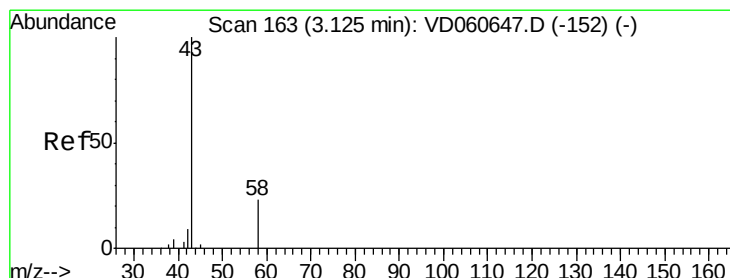
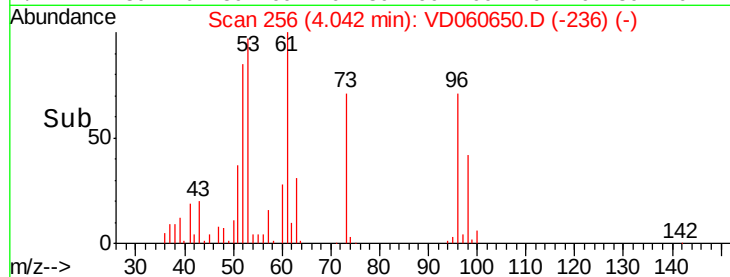
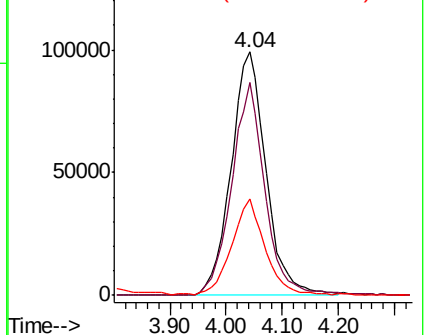
53 100

52 87.2 68.2 102.4

51 39.4 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 685.911 ug/l

RT: 3.12 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD060650.D

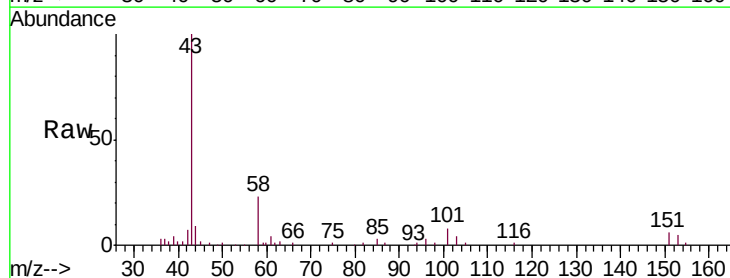
Acq: 19 Dec 2018 20:56

Tgt Ion: 43 Resp: 388434

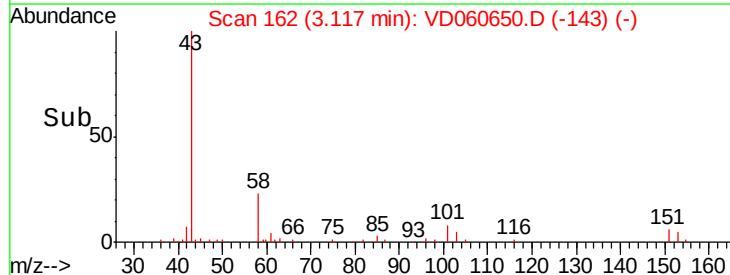
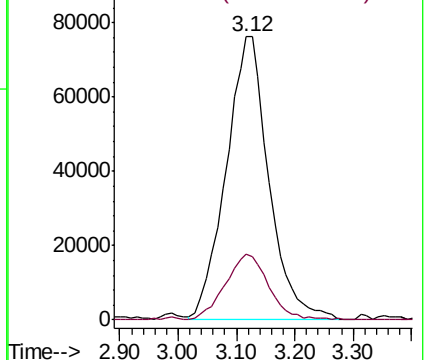
Ion Ratio Lower Upper

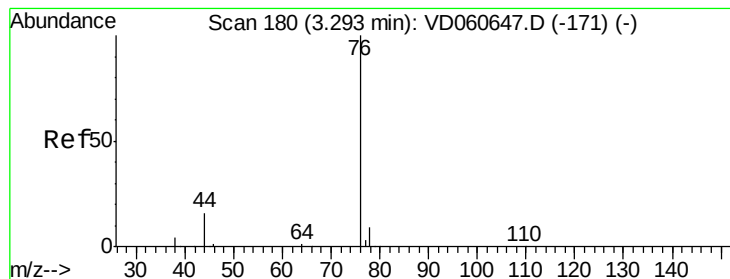
43 100

58 23.1 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: 147.369 ug/l

RT: 3.29 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

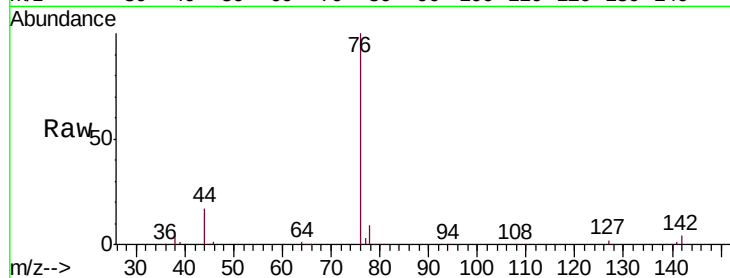
VSTDIC150

Tgt Ion: 76 Resp: 1352724

Ion Ratio Lower Upper

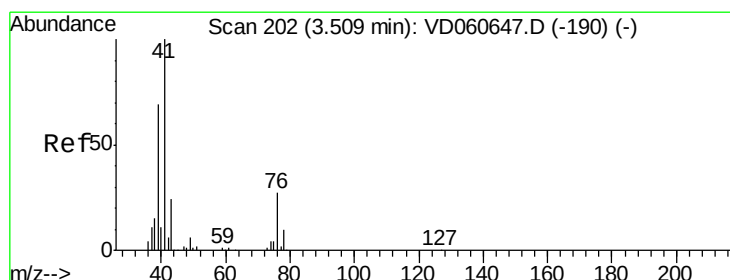
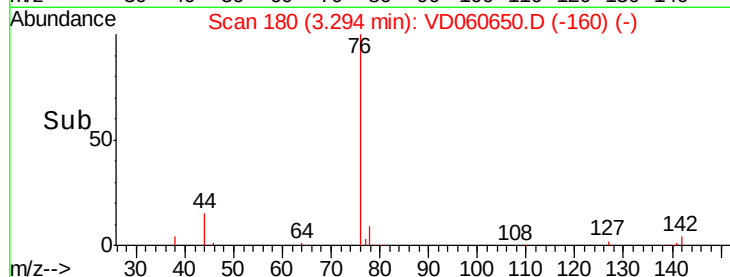
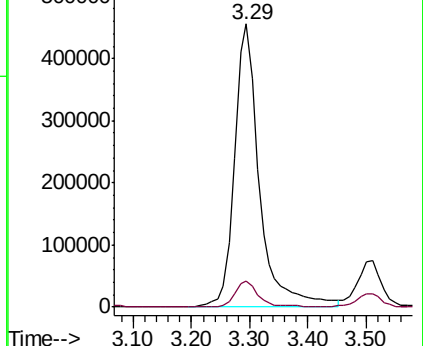
76 100

78 9.1 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: 148.778 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD060650.D

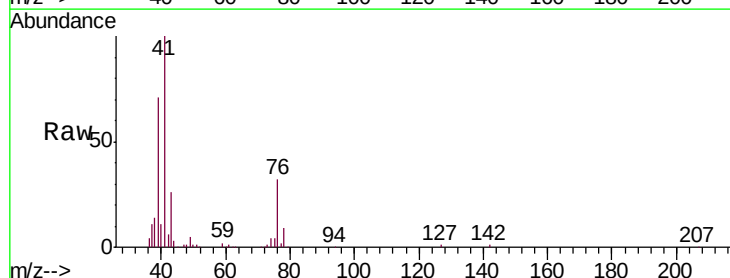
Acq: 19 Dec 2018 20:56

Tgt Ion: 43 Resp: 219196

Ion Ratio Lower Upper

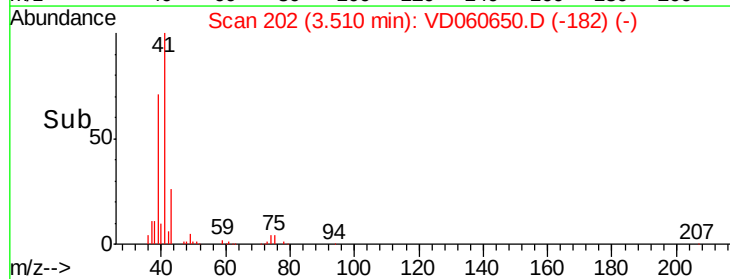
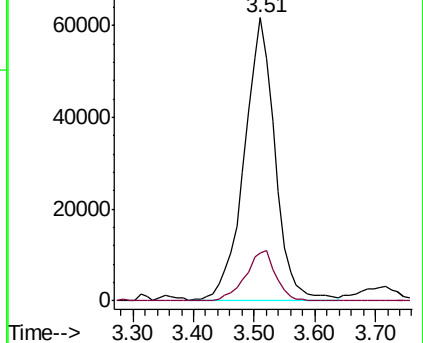
43 100

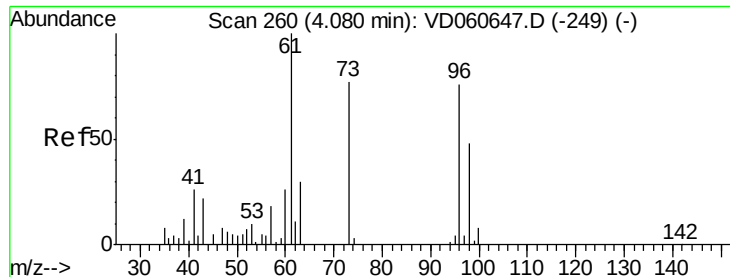
74 17.0 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 151.239 ug/l

RT: 4.07 min Scan# 259

Delta R.T. -0.01 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

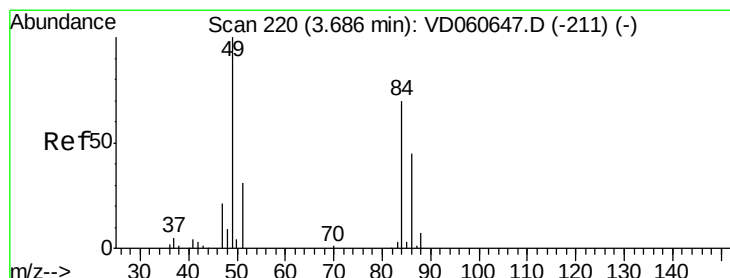
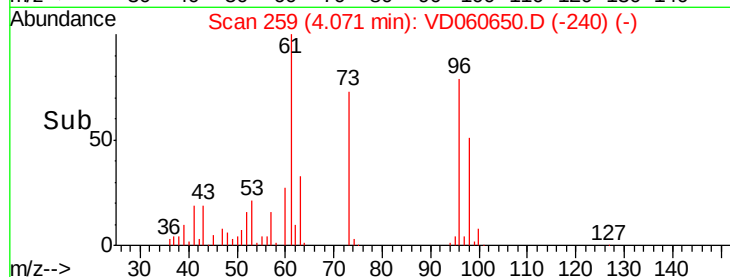
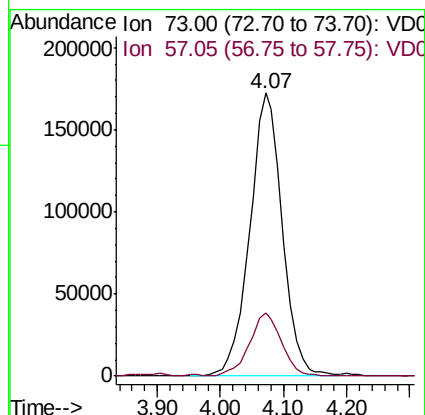
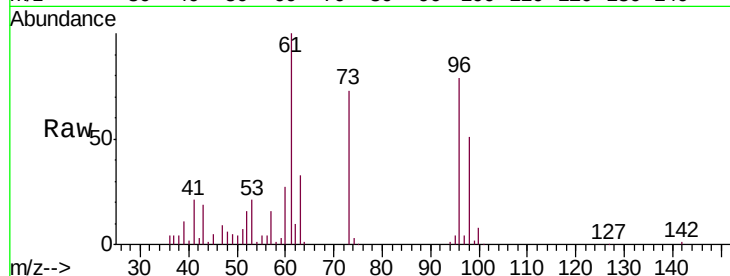
VSTDIC150

Tgt Ion: 73 Resp: 615813

Ion Ratio Lower Upper

73 100

57 22.2 18.4 27.6



#20

Methylene Chloride

Concen: 137.543 ug/l

RT: 3.69 min Scan# 220

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Tgt Ion: 84 Resp: 522445

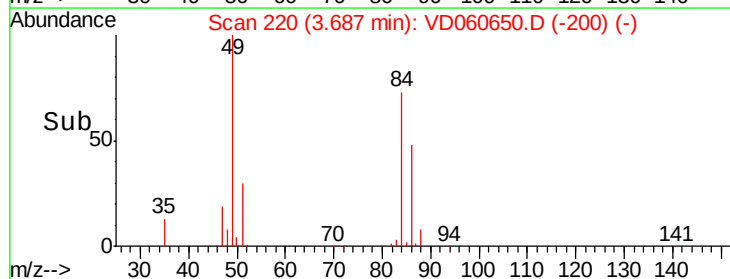
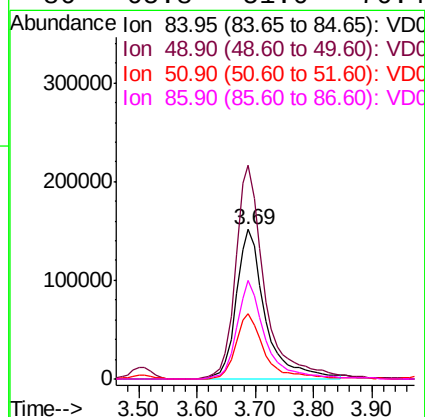
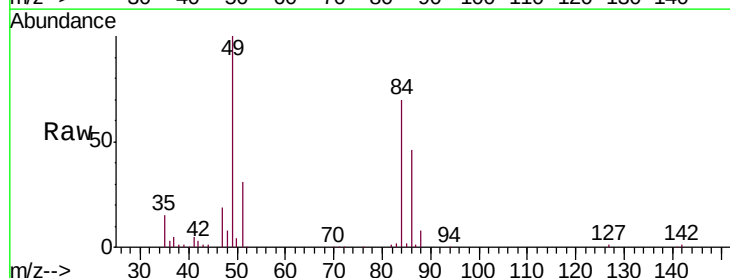
Ion Ratio Lower Upper

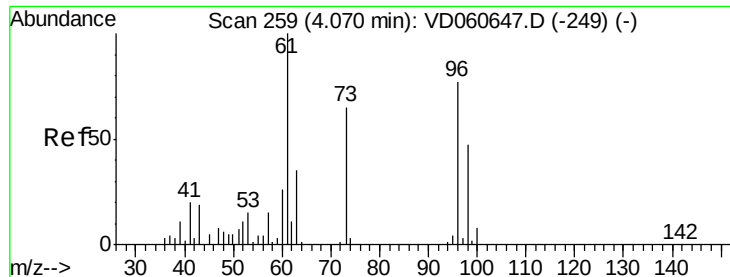
84 100

49 143.1 113.9 170.9

51 43.8 34.8 52.2

86 65.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 139.468 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

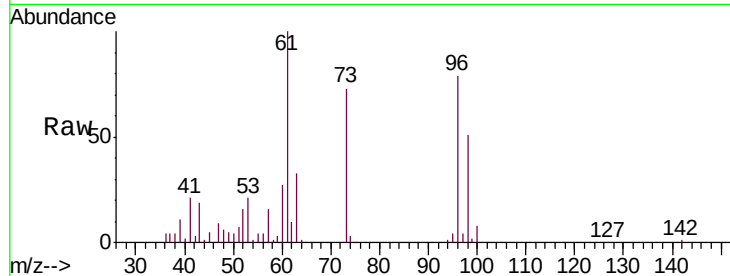
Tgt Ion: 96 Resp: 539255

Ion Ratio Lower Upper

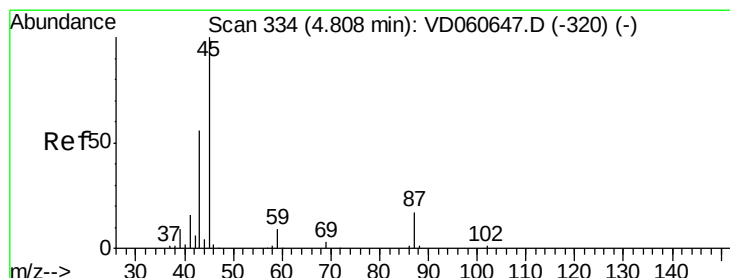
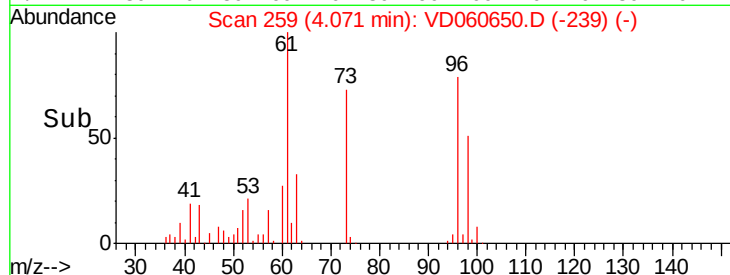
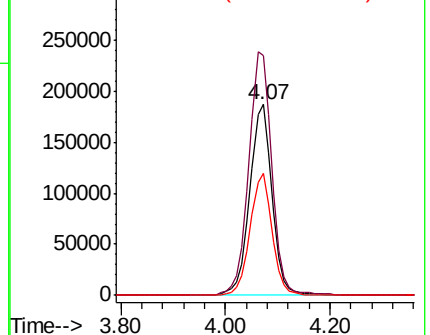
96 100

61 125.9 103.5 155.3

98 64.0 49.0 73.4



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



#22

Diisopropyl ether

Concen: 147.994 ug/l

RT: 4.81 min Scan# 334

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Tgt Ion: 45 Resp: 1713550

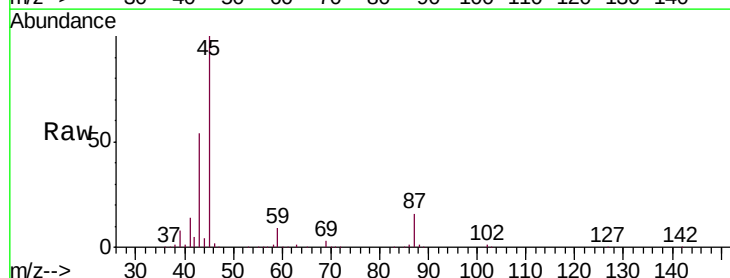
Ion Ratio Lower Upper

45 100

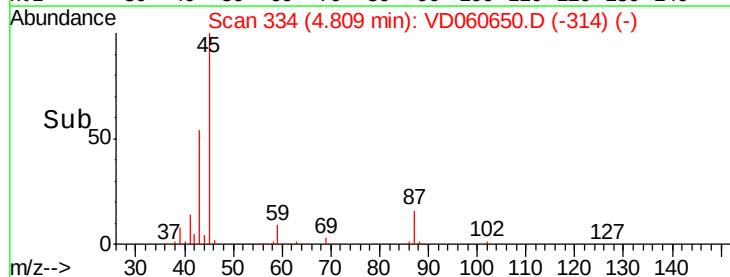
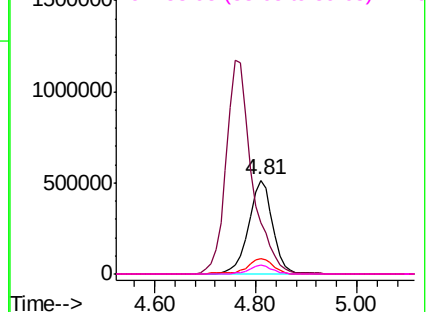
43 54.3 45.2 67.8

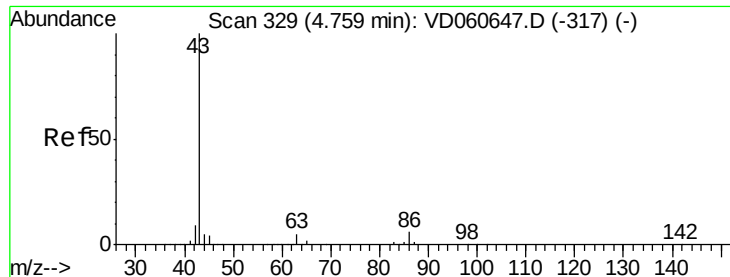
87 16.5 13.3 19.9

59 9.1 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: 781.639 ug/l

RT: 4.76 min Scan# 329

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

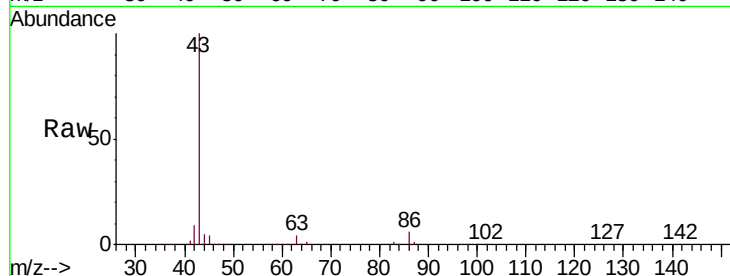
VSTDIC150

Tgt Ion: 43 Resp: 4145667

Ion Ratio Lower Upper

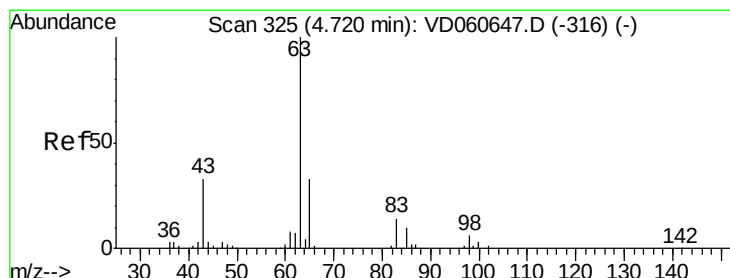
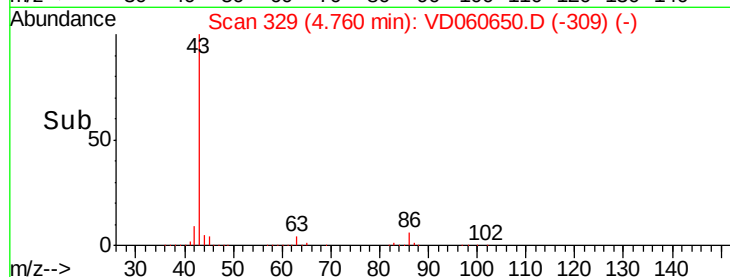
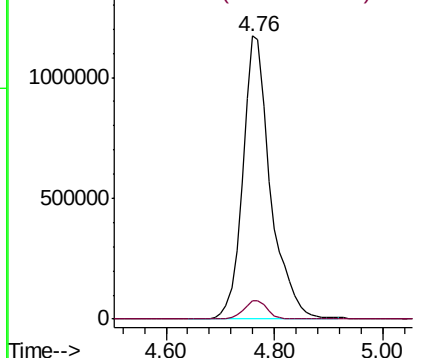
43 100

86 6.4 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: 143.923 ug/l

RT: 4.72 min Scan# 325

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

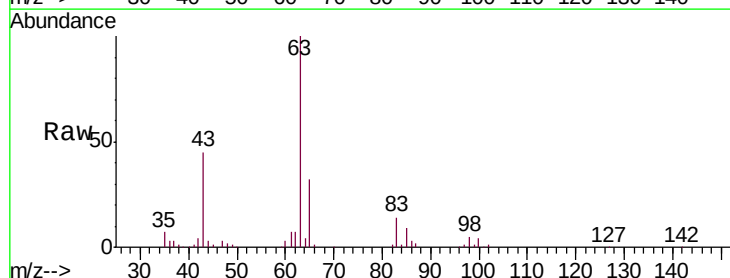
Tgt Ion: 63 Resp: 877710

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.3

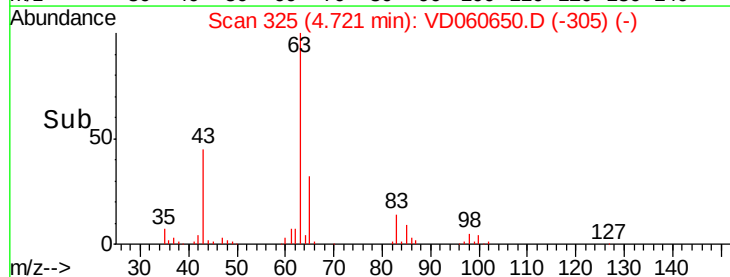
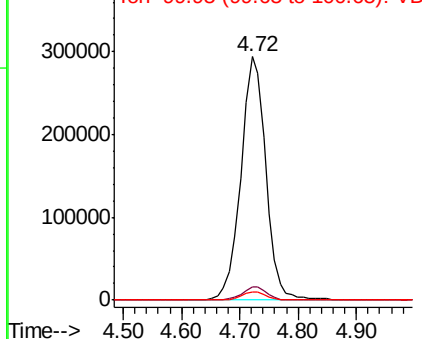
100 3.6 1.7 5.1

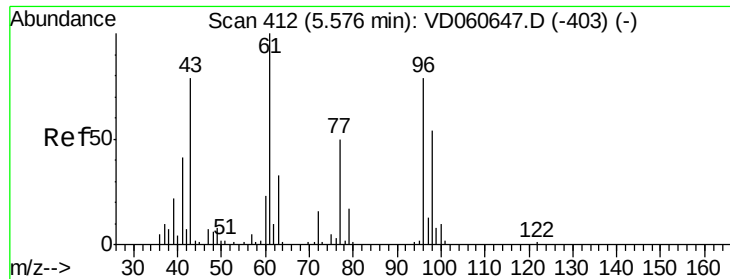


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 769.505 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

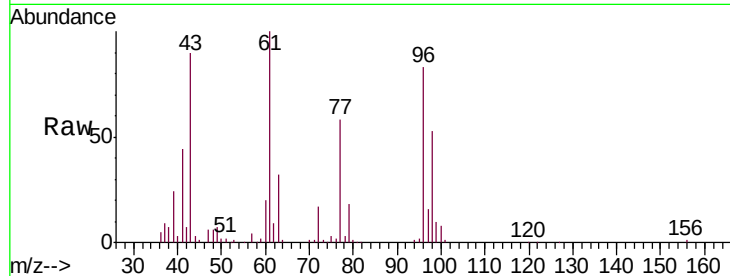
VSTDIC150

Tgt Ion: 43 Resp: 599333

Ion Ratio Lower Upper

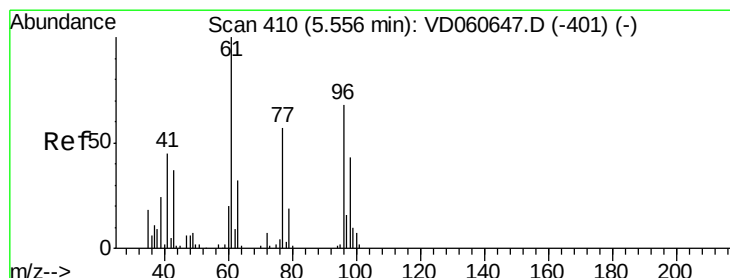
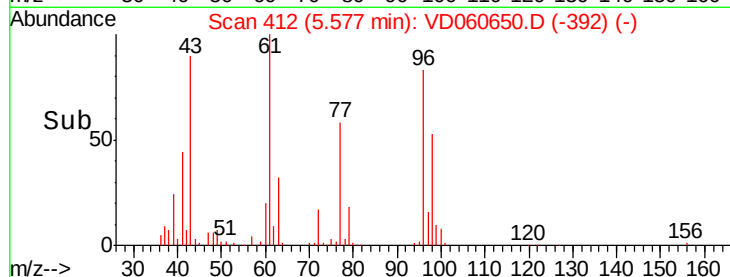
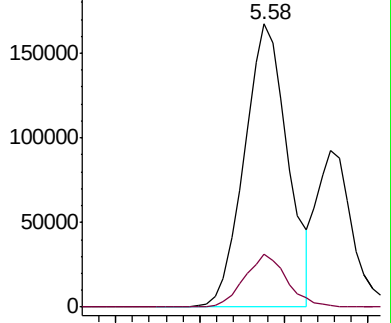
43 100

72 18.8 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: 164.032 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD060650.D

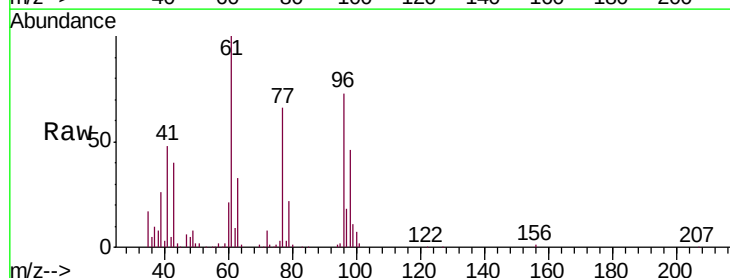
Acq: 19 Dec 2018 20:56

Tgt Ion: 77 Resp: 543097

Ion Ratio Lower Upper

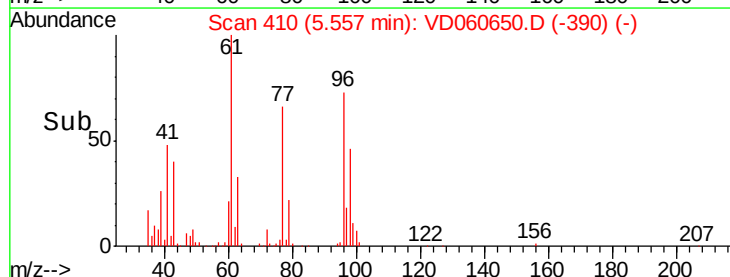
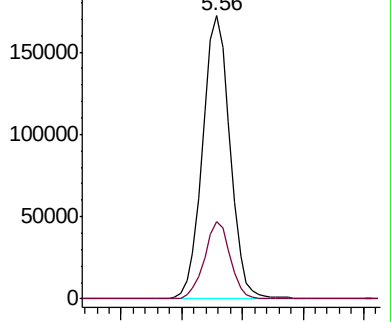
77 100

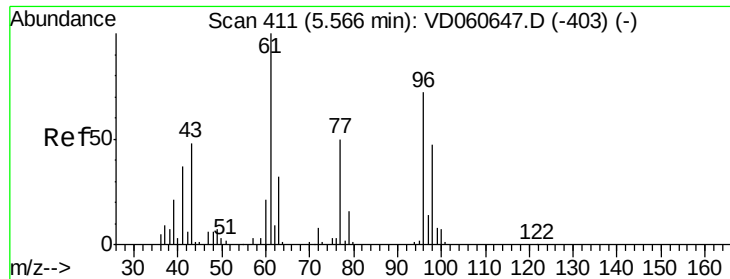
97 27.3 14.1 42.4



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



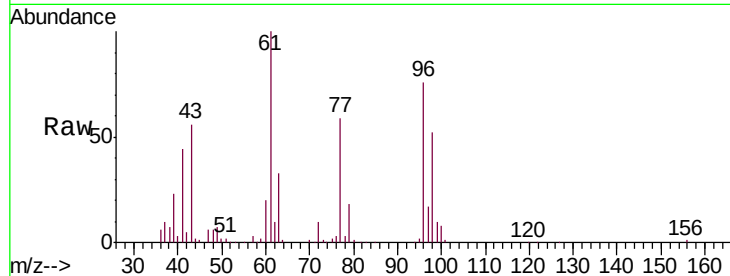


#27

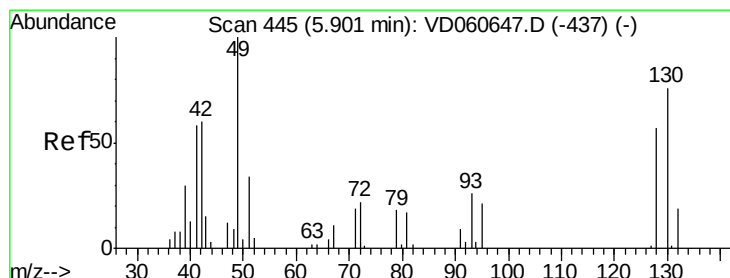
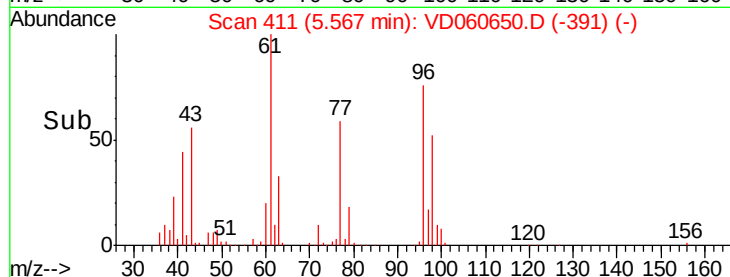
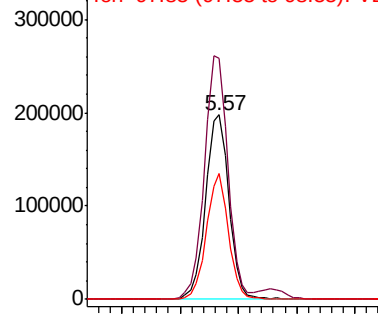
cis-1,2-Dichloroethene
 Concen: 148.429 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 96 Resp: 552761
 Ion Ratio Lower Upper
 96 100
 61 130.8 0.0 276.4
 98 68.1 0.0 129.4



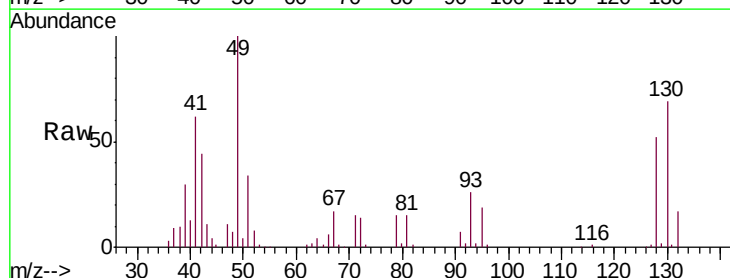
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



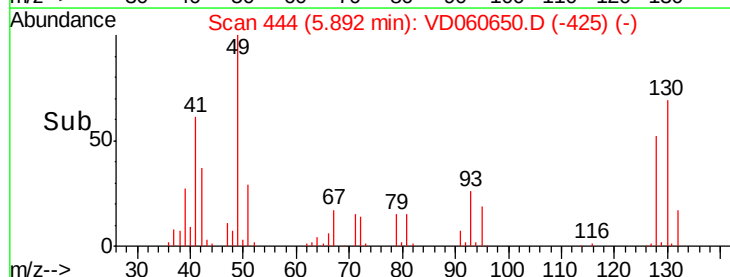
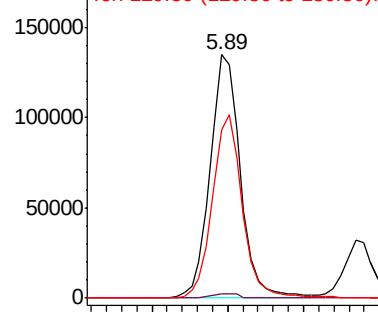
#28

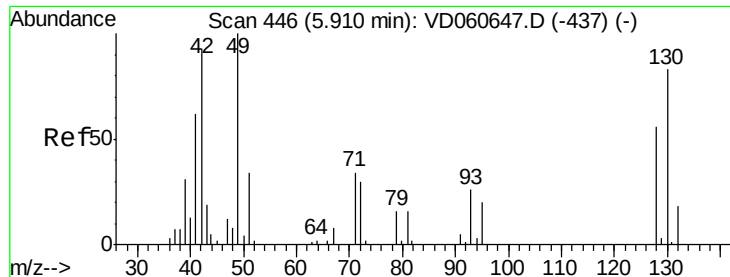
Bromochloromethane
 Concen: 158.351 ug/l
 RT: 5.89 min Scan# 444
 Delta R.T. -0.01 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Tgt Ion: 49 Resp: 373156
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 0.0#
 130 69.0 60.4 90.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 789.344 ug/l

RT: 5.91 min Scan# 446

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

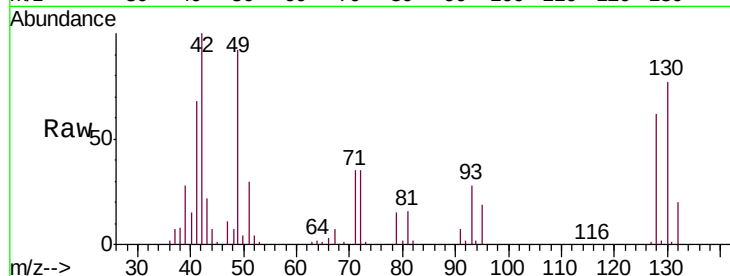
Tgt Ion: 42 Resp: 333342

Ion Ratio Lower Upper

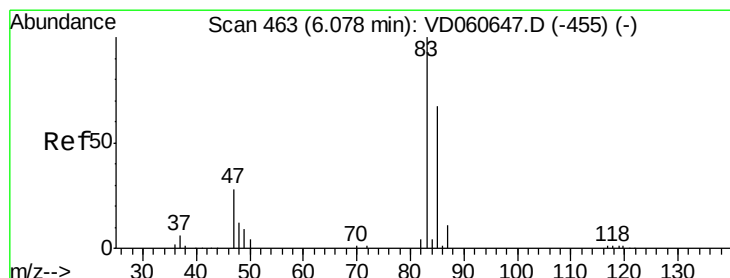
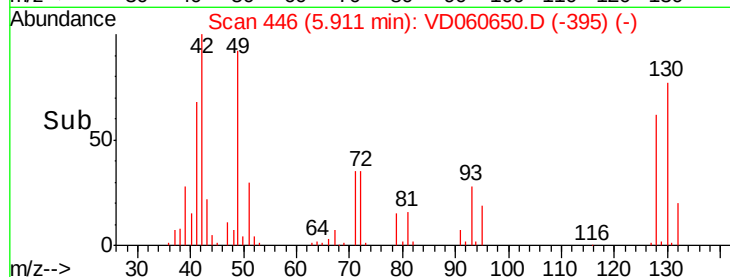
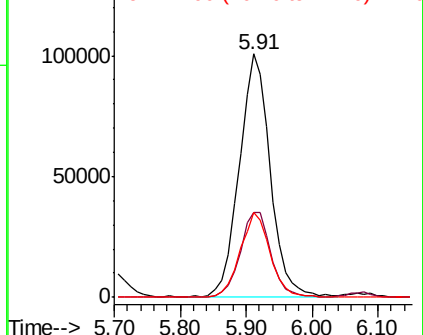
42 100

72 34.9 26.5 39.7

71 33.5 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: 142.790 ug/l

RT: 6.07 min Scan# 462

Delta R.T. -0.01 min

Lab File: VD060650.D

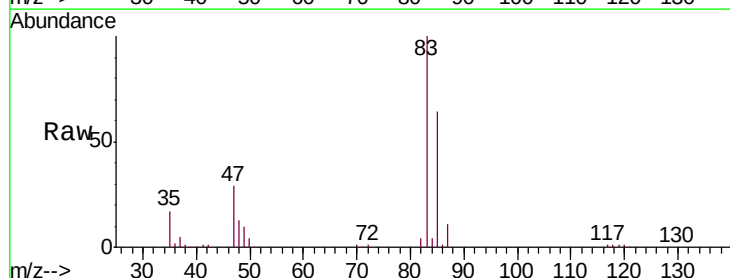
Acq: 19 Dec 2018 20:56

Tgt Ion: 83 Resp: 878704

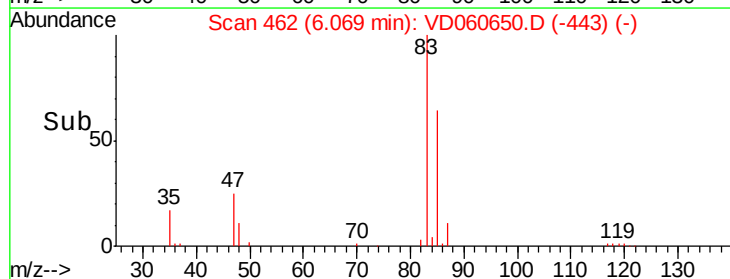
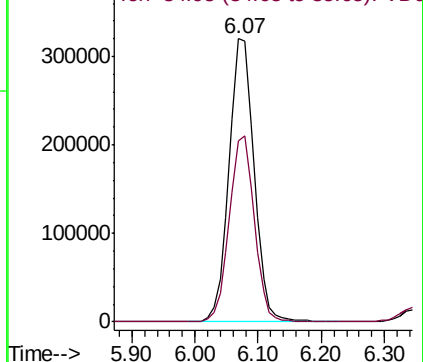
Ion Ratio Lower Upper

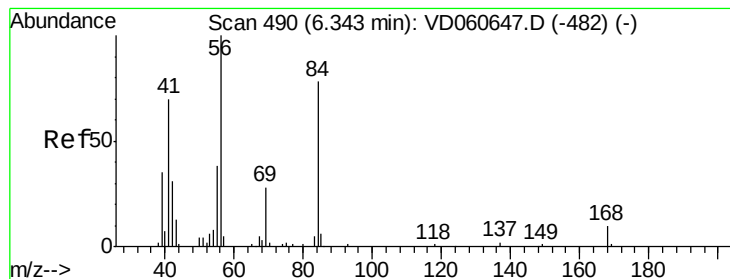
83 100

85 63.9 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 148.755 ug/l

RT: 6.34 min Scan# 490

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

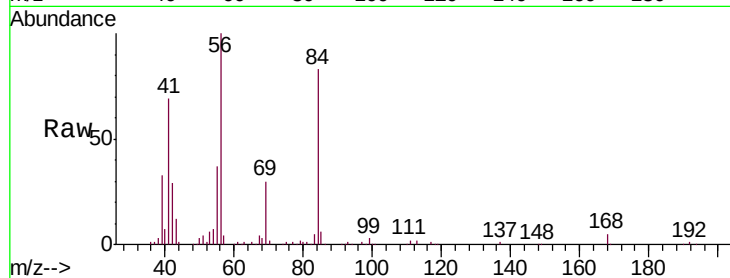
Tgt Ion: 56 Resp: 824760

Ion Ratio Lower Upper

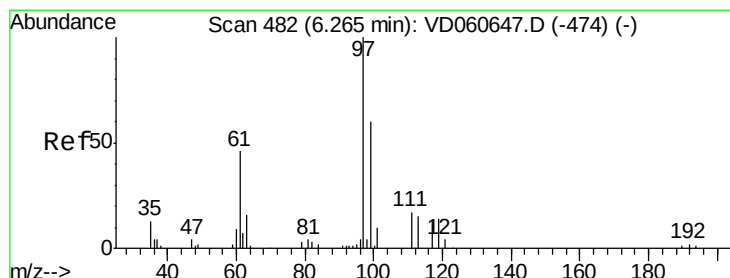
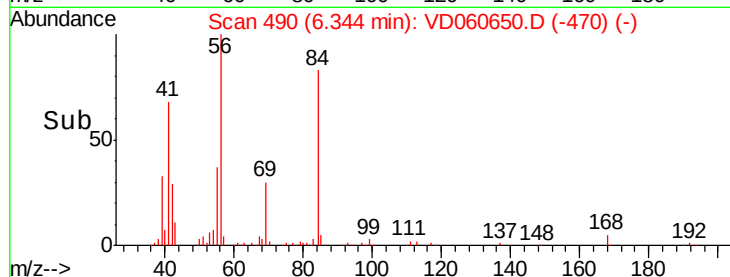
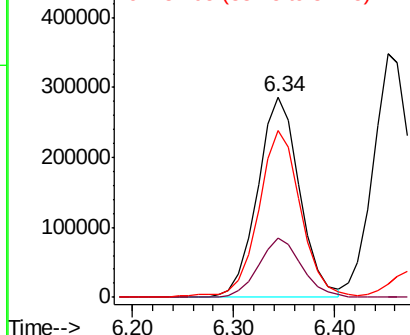
56 100

69 29.6 22.2 33.2

84 83.2 62.4 93.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 148.673 ug/l

RT: 6.27 min Scan# 482

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

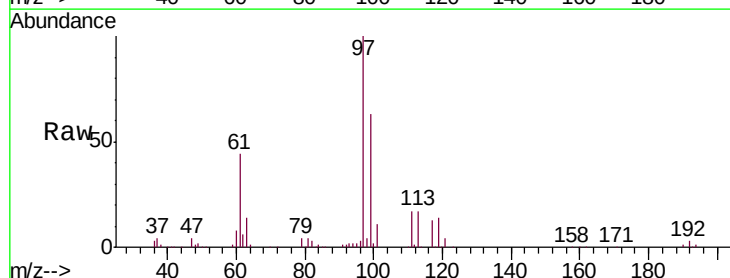
Tgt Ion: 97 Resp: 708007

Ion Ratio Lower Upper

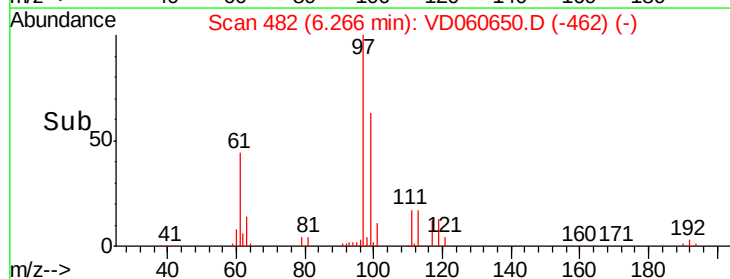
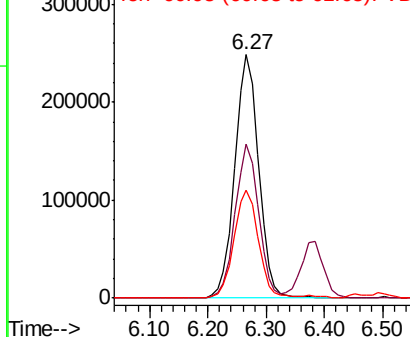
97 100

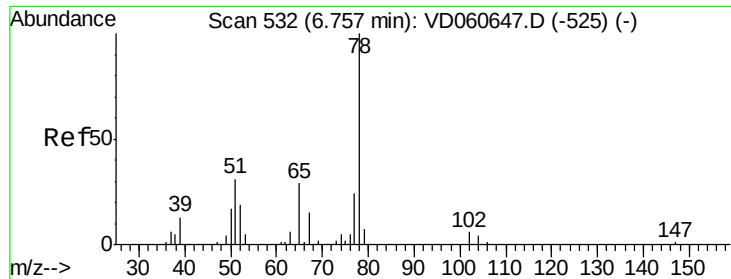
99 63.4 48.3 72.5

61 44.4 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

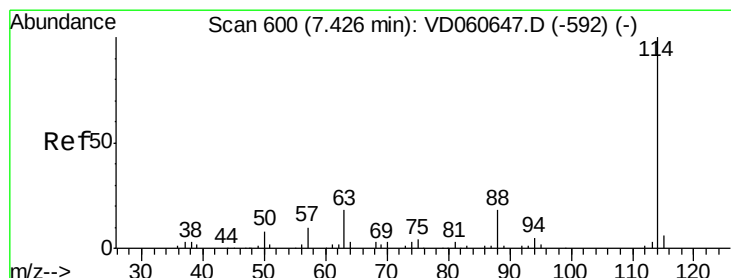
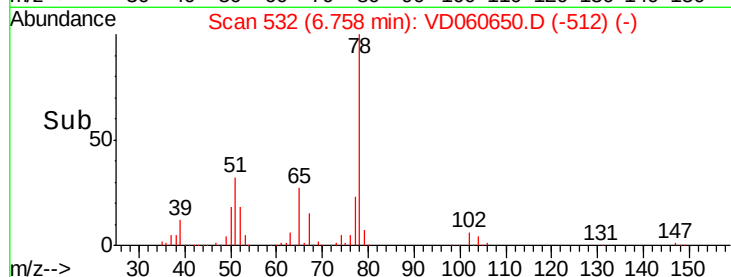
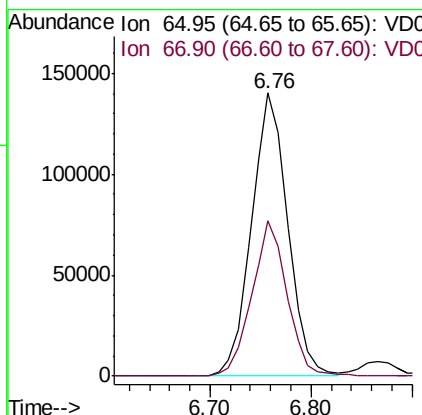
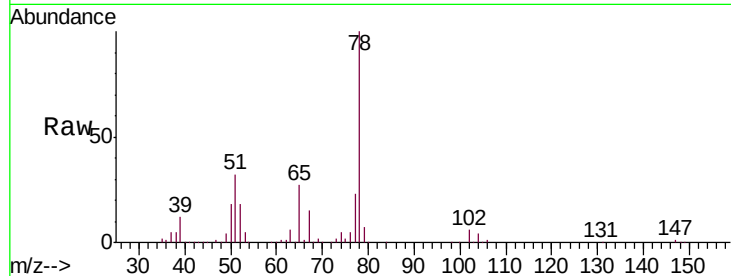




#33
 1,2-Dichloroethane-d4
 Concen: 148.673 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

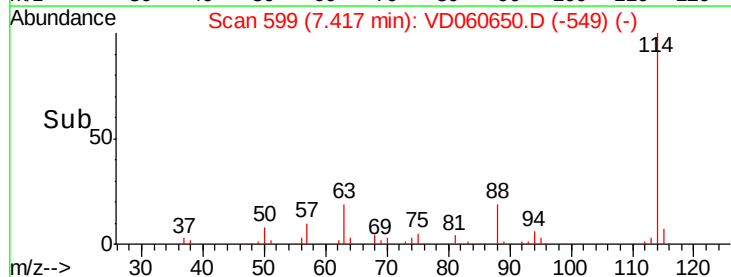
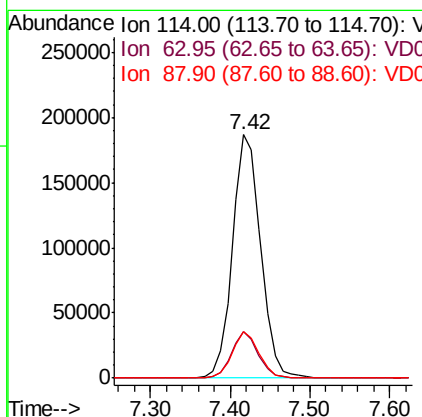
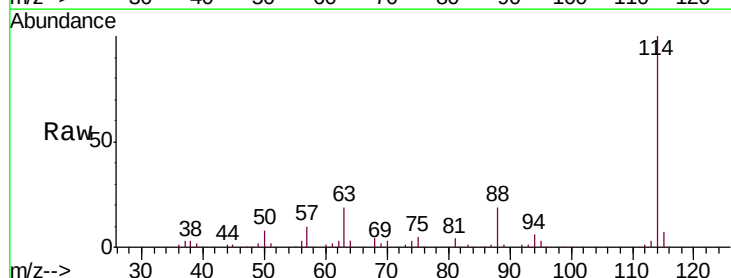
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

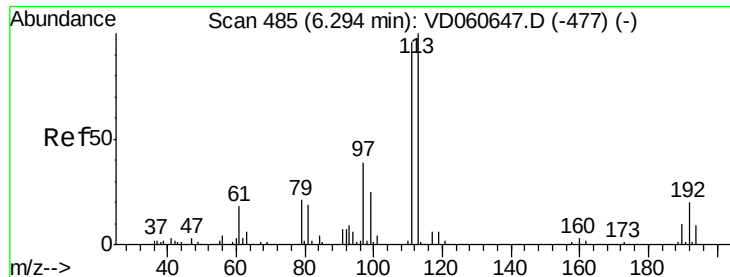
Tgt Ion: 65 Resp: 350234
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Tgt Ion: 114 Resp: 458629
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 35.6
 88 19.2 0.0 36.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

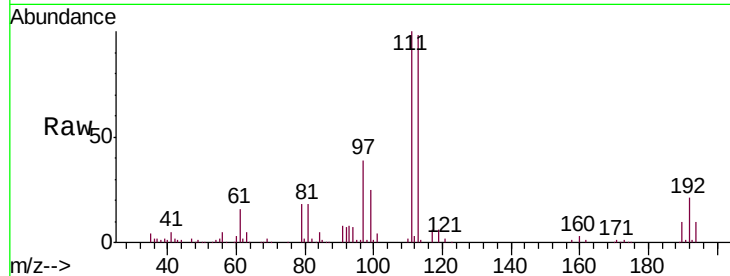
Tgt Ion:113 Resp: 499985

Ion Ratio Lower Upper

113 100

111 101.6 77.0 115.6

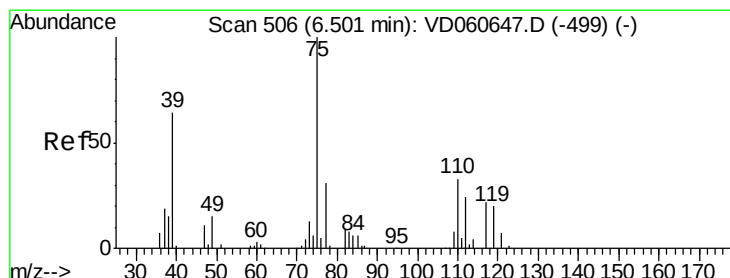
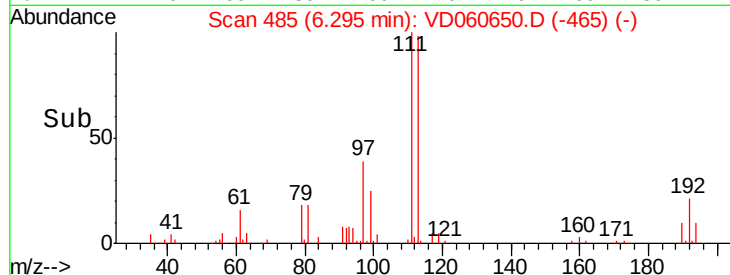
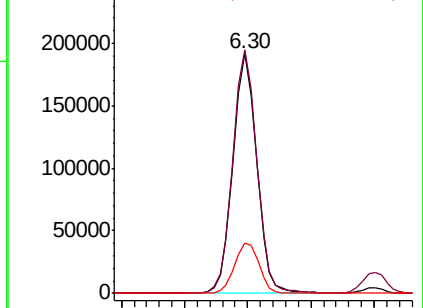
192 21.0 15.8 23.6



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: 132.924 ug/l

RT: 6.50 min Scan# 506

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

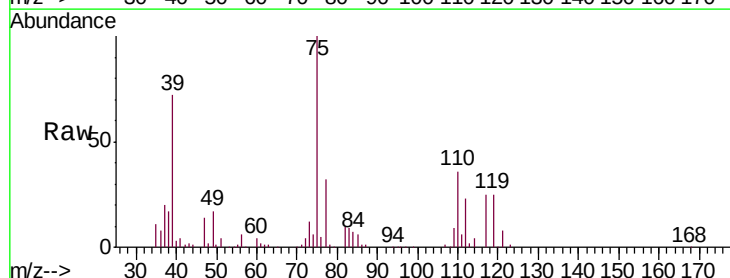
Tgt Ion: 75 Resp: 687660

Ion Ratio Lower Upper

75 100

110 35.7 16.4 49.2

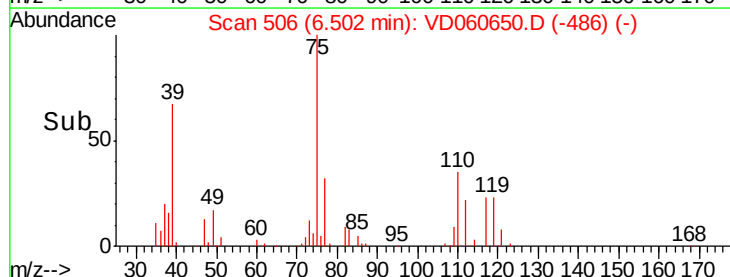
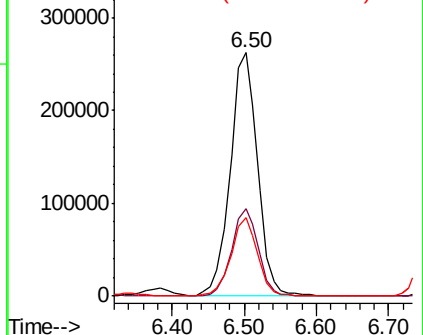
77 32.2 24.7 37.1

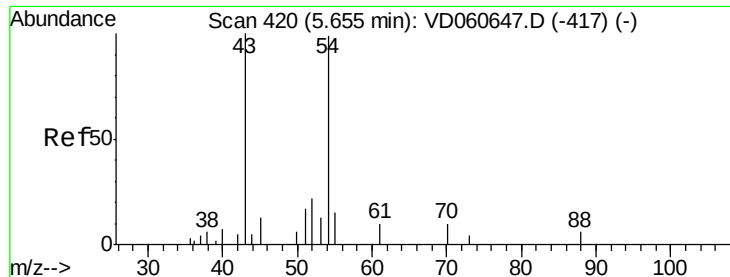


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

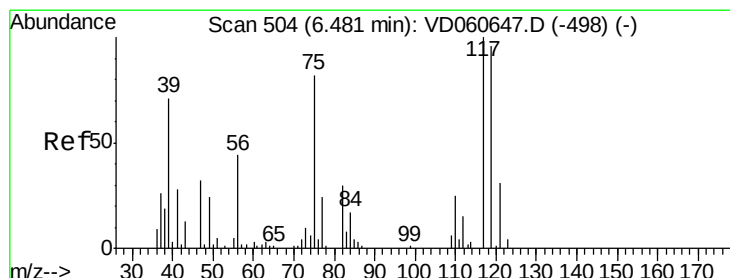
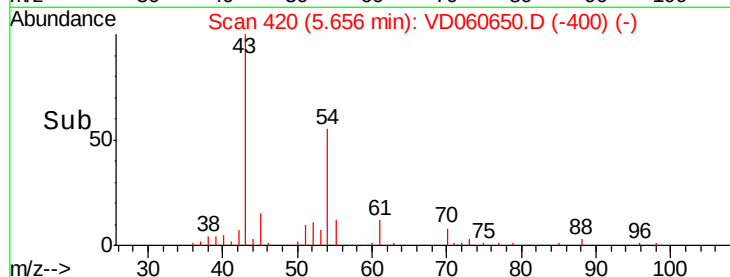
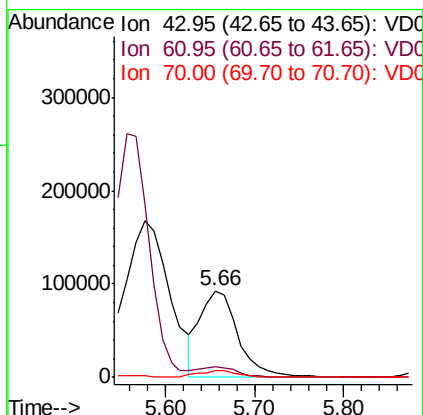
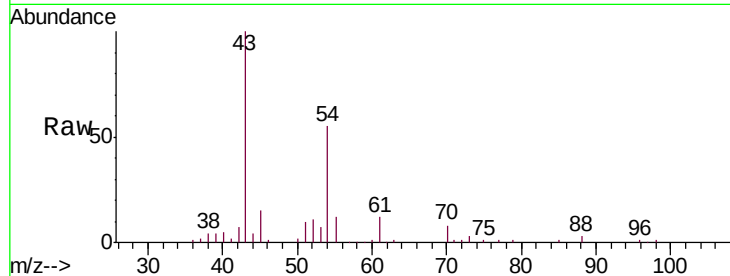




#37
Ethyl Acetate
Concen: 151.609 ug/l
RT: 5.66 min Scan# 420
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

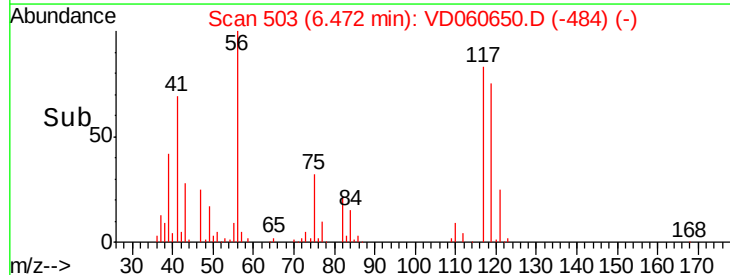
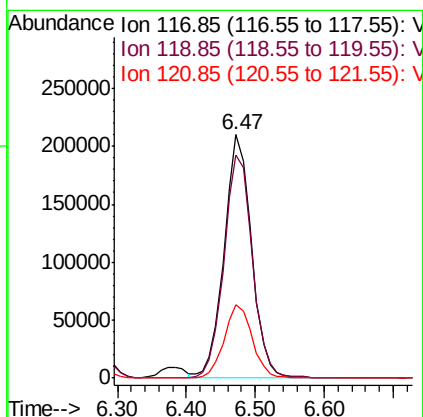
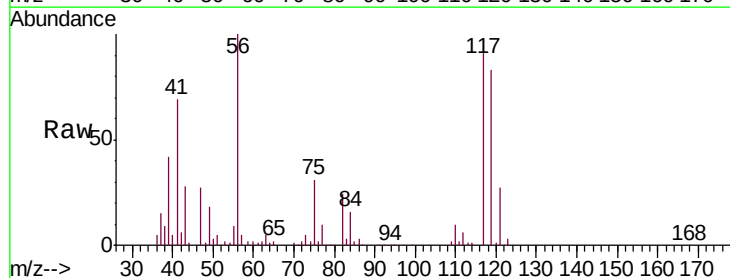
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

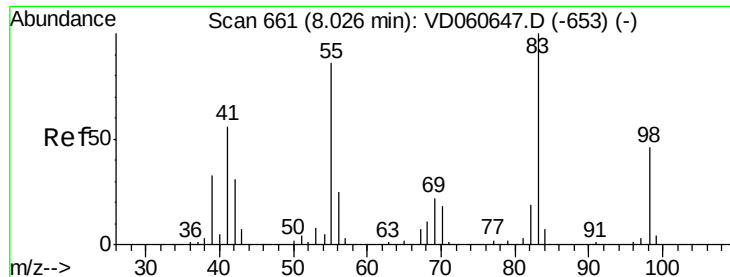
Tgt Ion: 43 Resp: 269706
Ion Ratio Lower Upper
43 100
61 12.0 10.5 15.7
70 7.9 5.4 8.2



#38
Carbon Tetrachloride
Concen: 145.115 ug/l
RT: 6.47 min Scan# 503
Delta R.T. -0.01 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion: 117 Resp: 576229
Ion Ratio Lower Upper
117 100
119 91.8 76.6 115.0
121 29.9 23.9 35.9

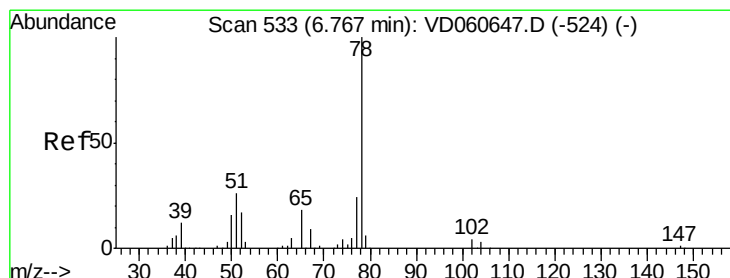
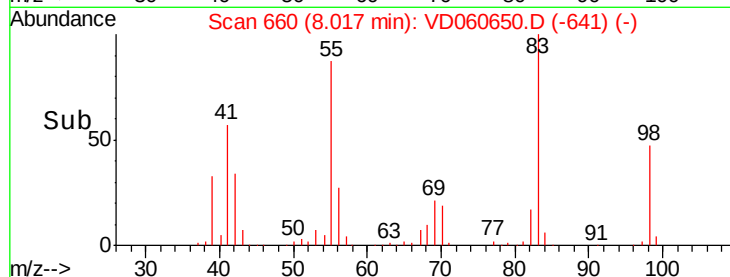
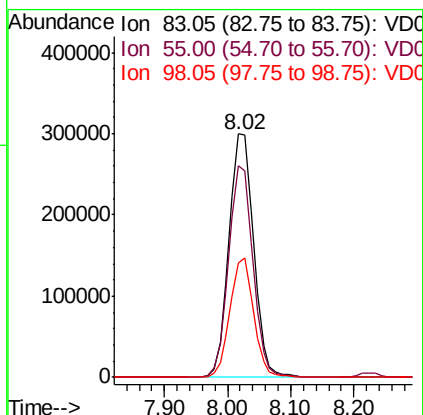
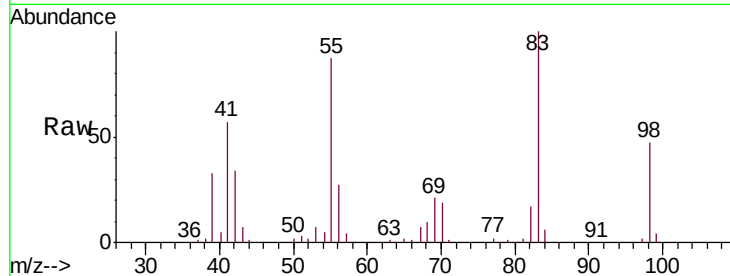




#39
Methylcyclohexane
Concen: 147.901 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.01 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

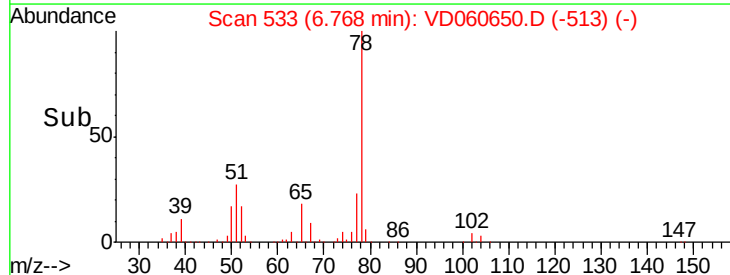
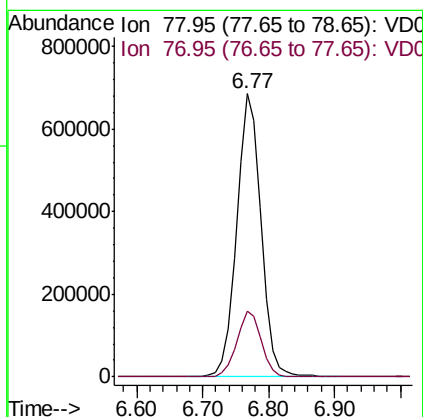
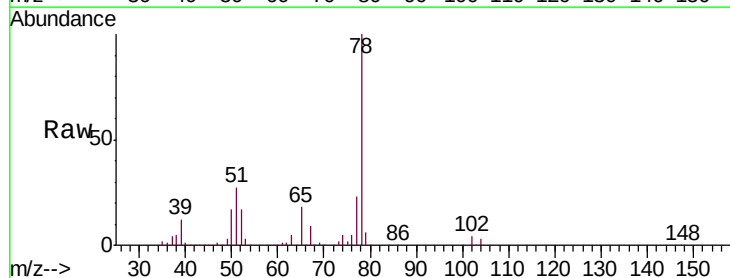
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

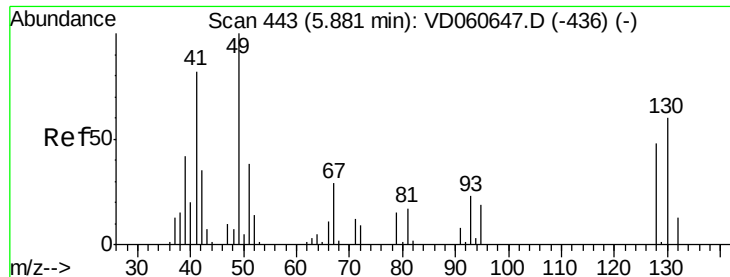
Tgt Ion: 83 Resp: 808659
Ion Ratio Lower Upper
83 100
55 87.1 69.0 103.6
98 46.8 37.0 55.4



#40
Benzene
Concen: 137.669 ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion: 78 Resp: 1773457
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.6

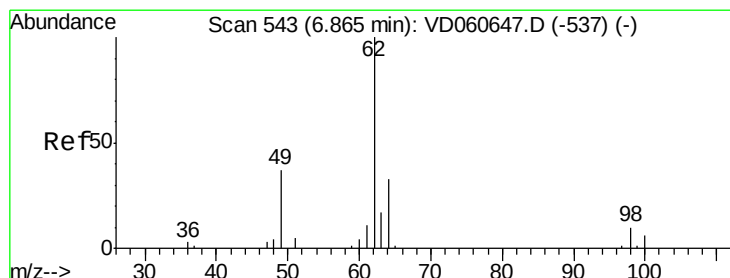
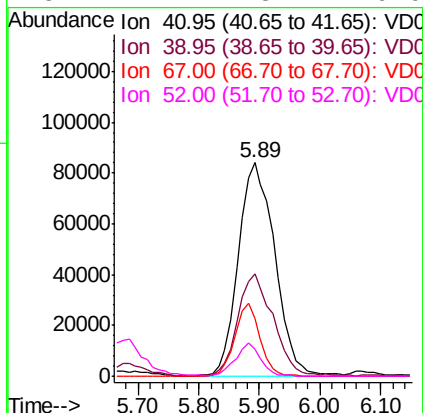
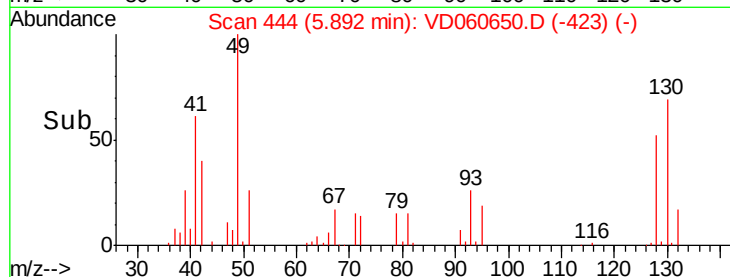
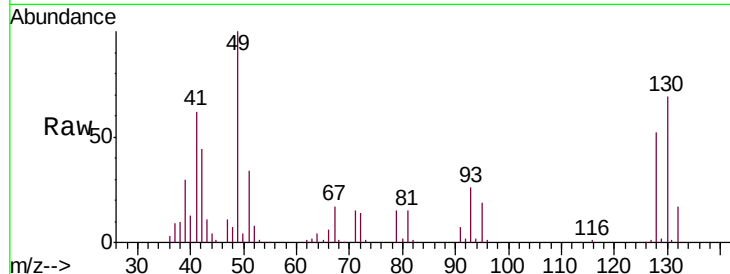




#41
Methacrylonitrile
Concen: 333.884 ug/l
RT: 5.89 min Scan# 444
Delta R.T. 0.01 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

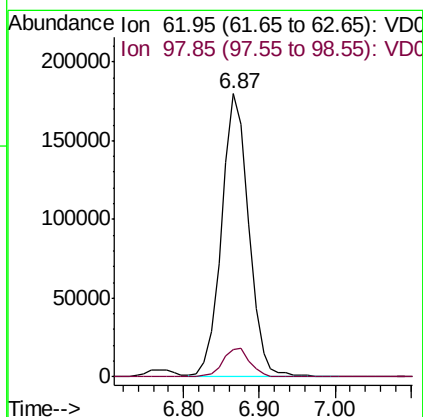
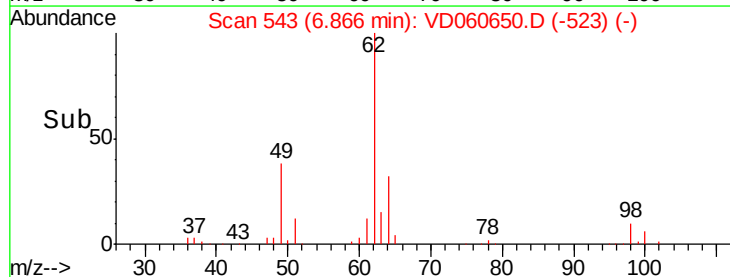
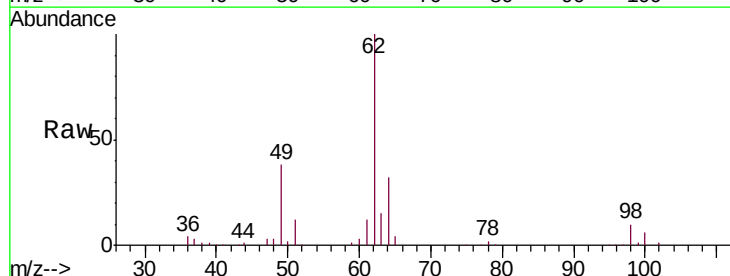
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

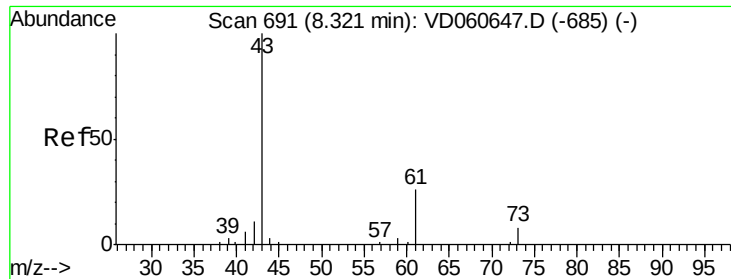
Tgt Ion: 41 Resp: 353548
Ion Ratio Lower Upper
41 100
39 48.0 41.0 61.6
67 27.0 28.2 42.4#
52 12.4 13.4 20.0#



#42
1,2-Dichloroethane
Concen: 139.368 ug/l
RT: 6.87 min Scan# 543
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion: 62 Resp: 446292
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.0





#43

Isopropyl Acetate

Concen: 158.471 ug/l

RT: 8.32 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

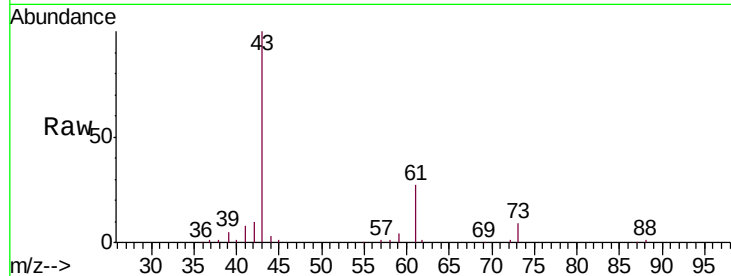
Tgt Ion: 43 Resp: 372481

Ion Ratio Lower Upper

43 100

61 27.1 20.4 30.6

87 0.3 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

200000

150000

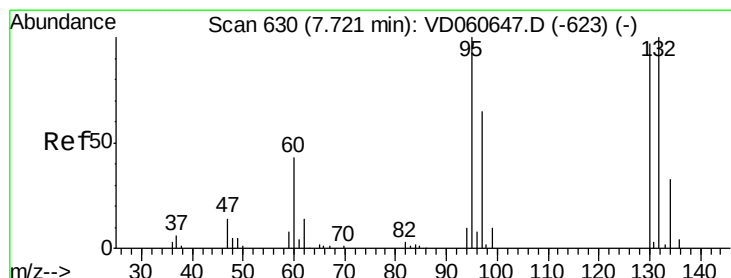
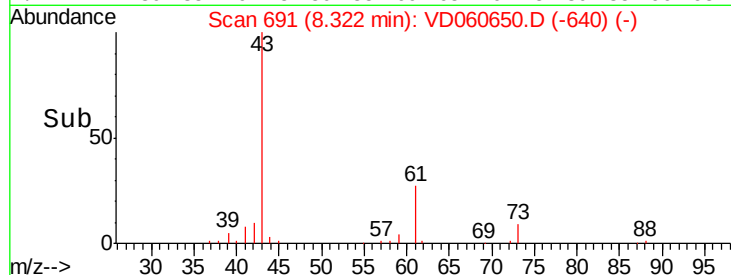
100000

50000

0

8.25 8.30 8.35 8.40

Time-->



#44

Trichloroethene

Concen: 142.766 ug/l

RT: 7.72 min Scan# 630

Delta R.T. 0.00 min

Lab File: VD060650.D

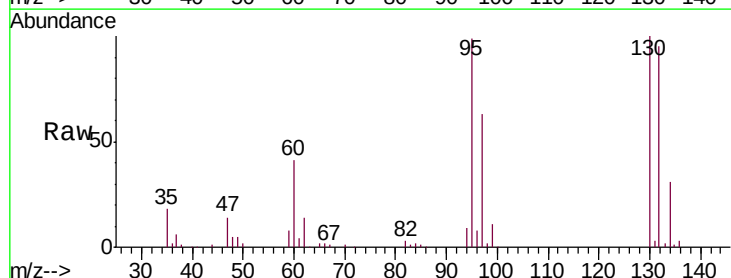
Acq: 19 Dec 2018 20:56

Tgt Ion: 130 Resp: 539121

Ion Ratio Lower Upper

130 100

95 99.0 0.0 206.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

250000

200000

150000

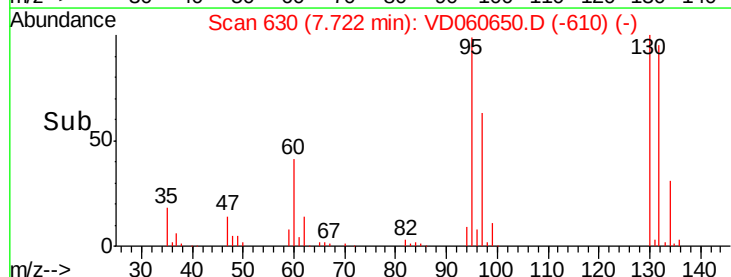
100000

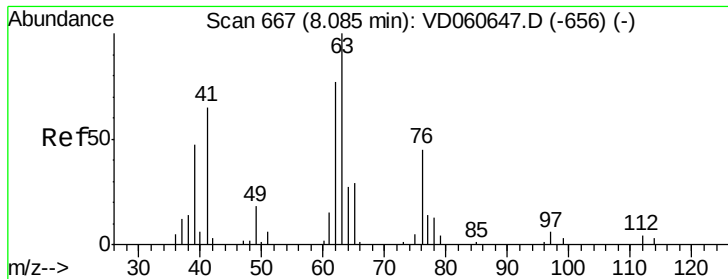
50000

0

7.60 7.70 7.80 7.90

Time-->





#45

1,2-Dichloropropane

Concen: 141.254 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

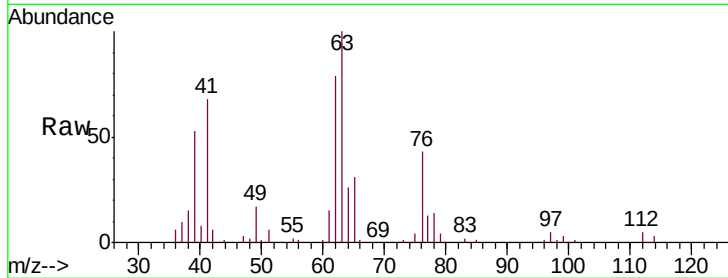
VSTDIC150

Tgt Ion: 63 Resp: 436993

Ion Ratio Lower Upper

63 100

65 31.3 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

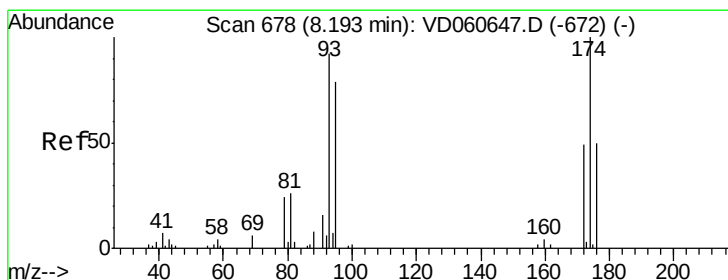
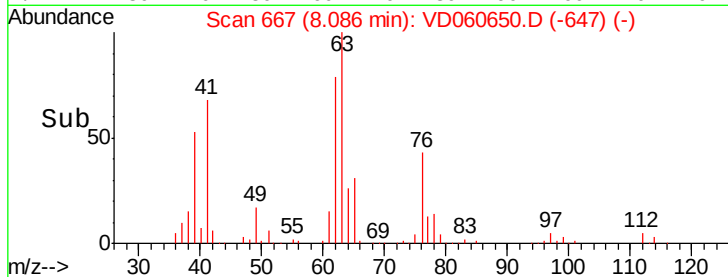
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 148.147 ug/l

RT: 8.19 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

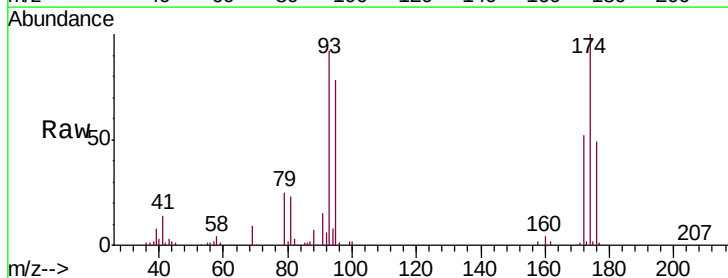
Tgt Ion: 93 Resp: 244403

Ion Ratio Lower Upper

93 100

95 85.4 68.4 102.6

174 109.1 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

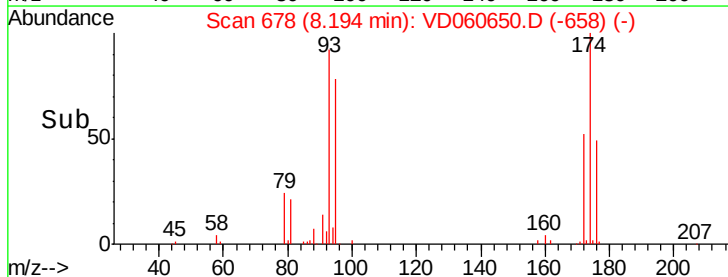
150000

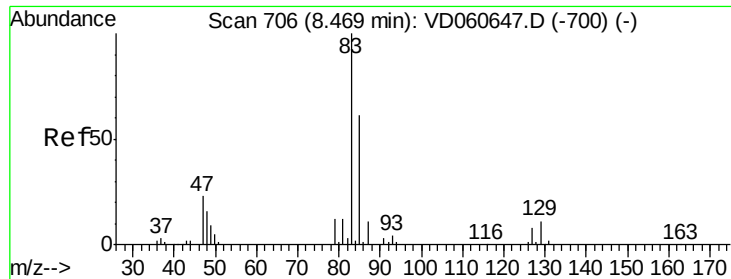
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 145.801 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

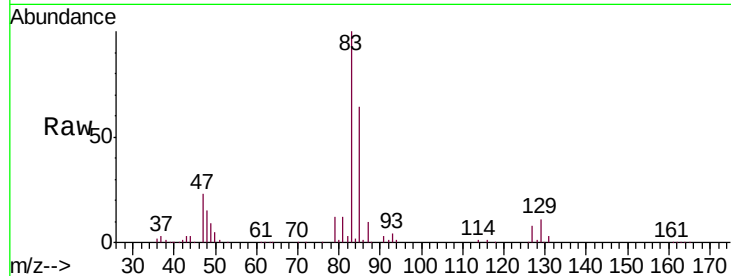
Tgt Ion: 83 Resp: 603965

Ion Ratio Lower Upper

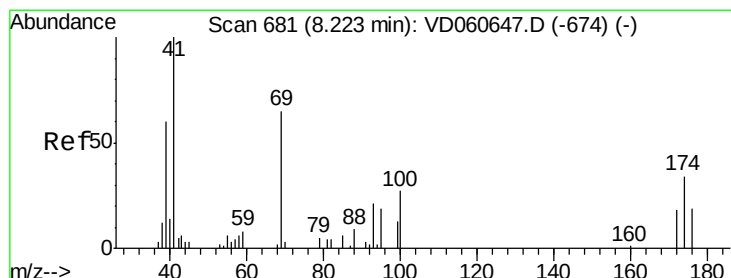
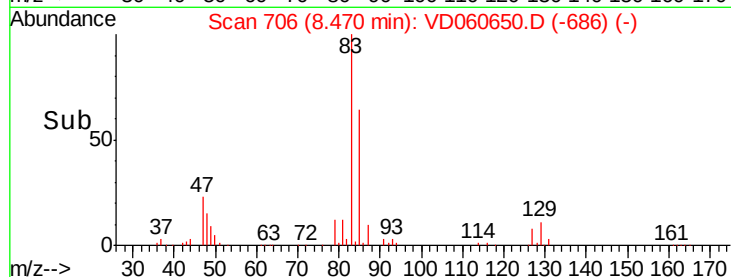
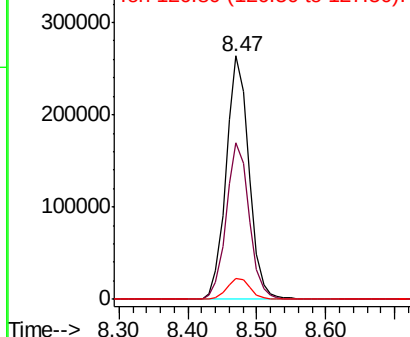
83 100

85 64.2 48.9 73.3

127 8.4 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): VDC



#48

Methyl methacrylate

Concen: 168.916 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

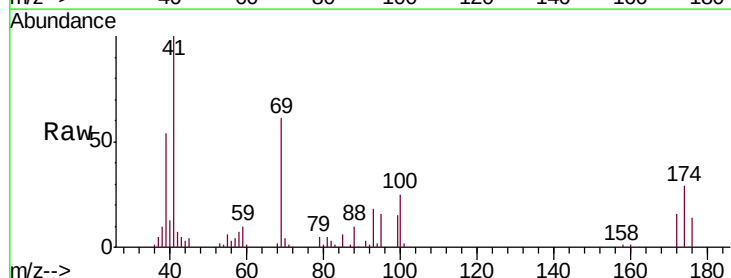
Tgt Ion: 41 Resp: 238225

Ion Ratio Lower Upper

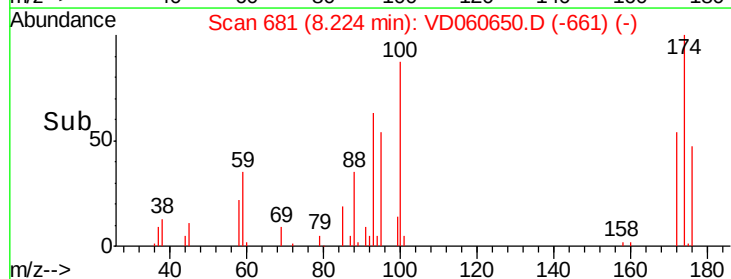
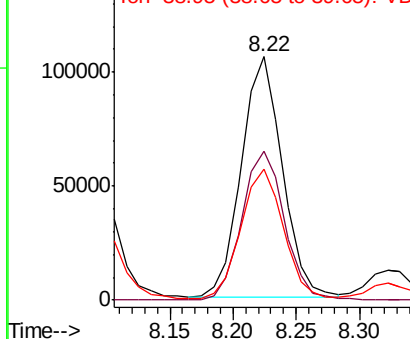
41 100

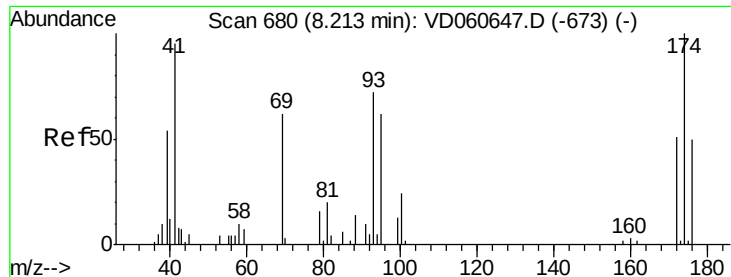
69 61.2 50.6 76.0

39 53.8 48.2 72.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

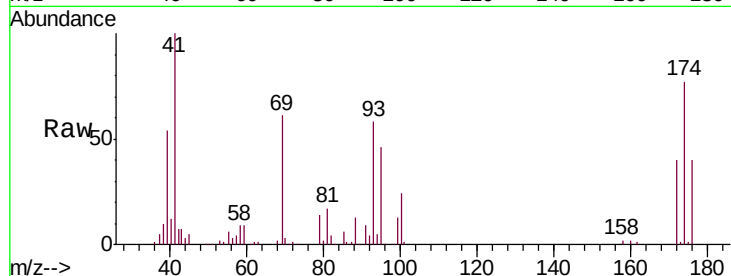




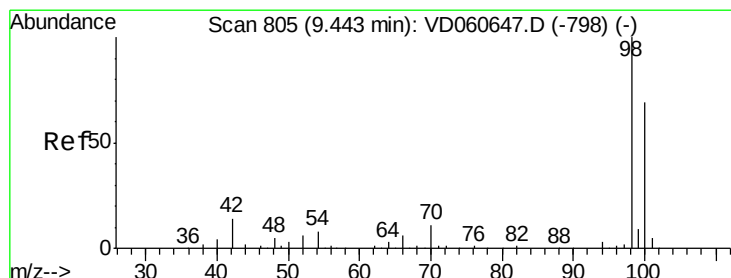
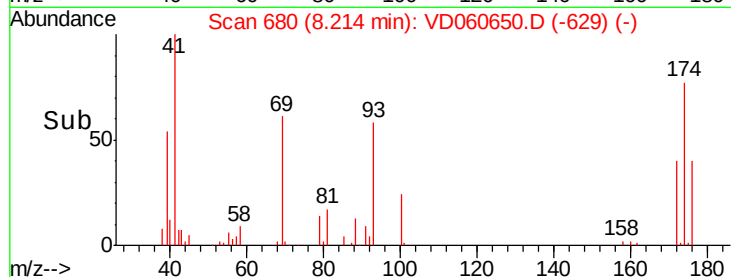
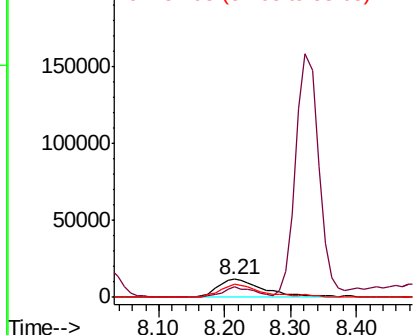
#49
1,4-Dioxane
Concen: 3794.589 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 88 Resp: 57716
Ion Ratio Lower Upper
88 100
43 58.7 41.3 61.9
58 72.0 56.6 84.8

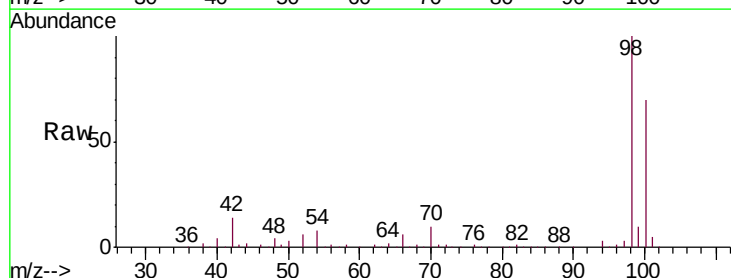


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

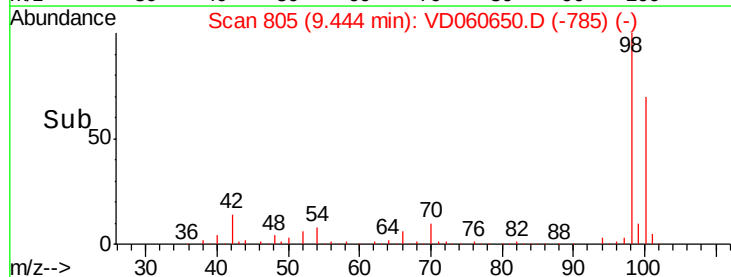
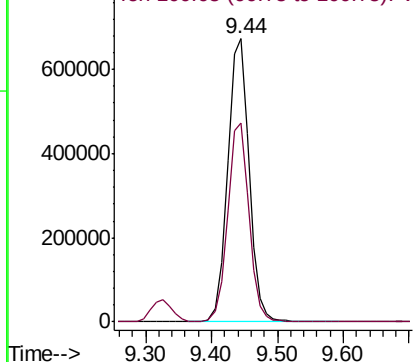


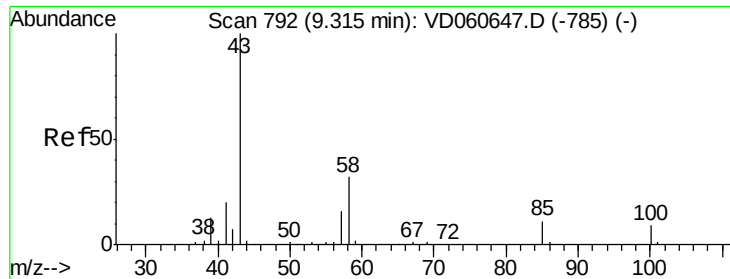
#50
Toluene-d8
Concen: 3794.589 ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion: 98 Resp: 1537717
Ion Ratio Lower Upper
98 100
100 70.3 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: 767.931 ug/l

RT: 9.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

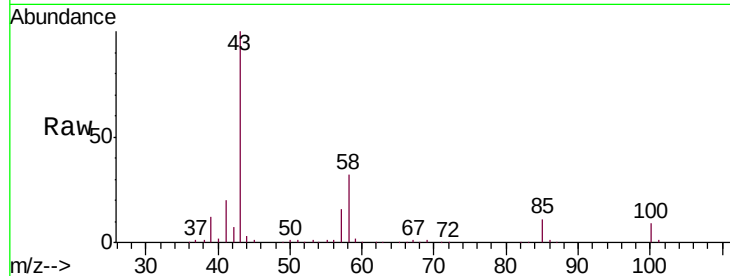
VSTDIC150

Tgt Ion: 43 Resp: 1207877

Ion Ratio Lower Upper

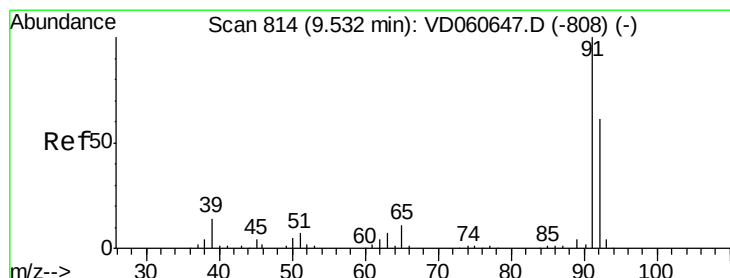
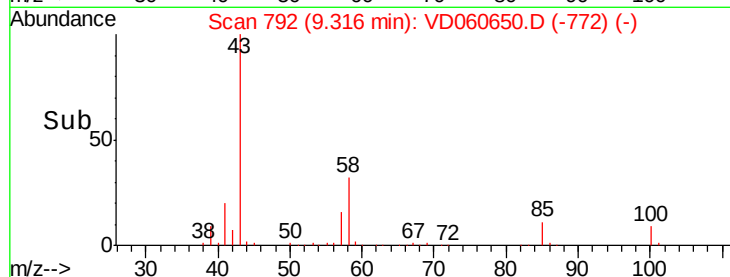
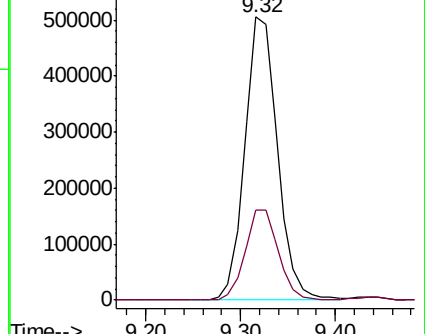
43 100

58 31.8 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: 142.044 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.00 min

Lab File: VD060650.D

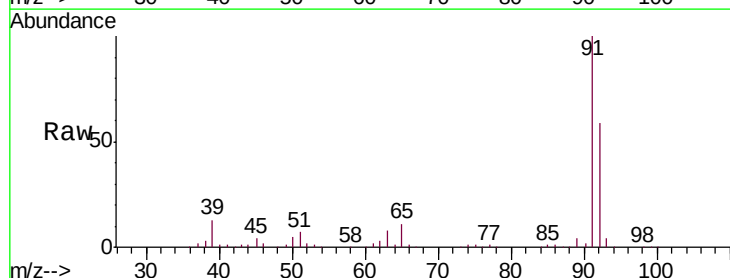
Acq: 19 Dec 2018 20:56

Tgt Ion: 92 Resp: 1115592

Ion Ratio Lower Upper

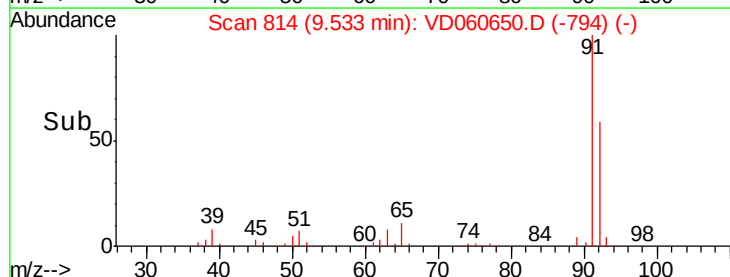
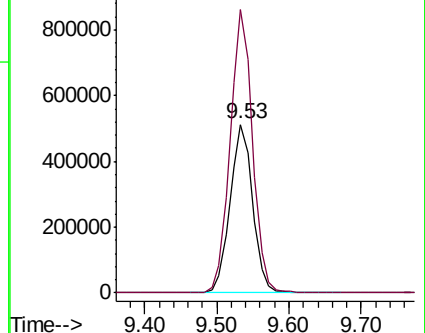
92 100

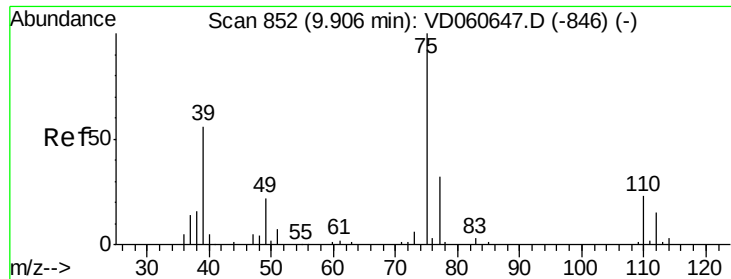
91 168.1 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

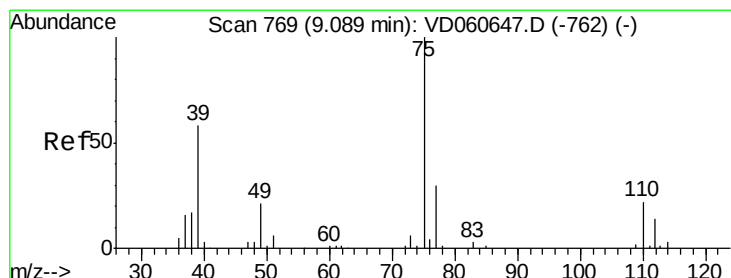
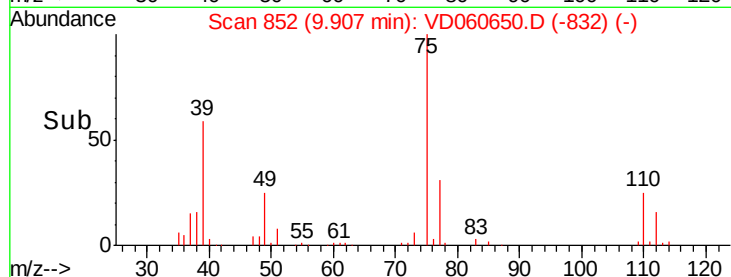
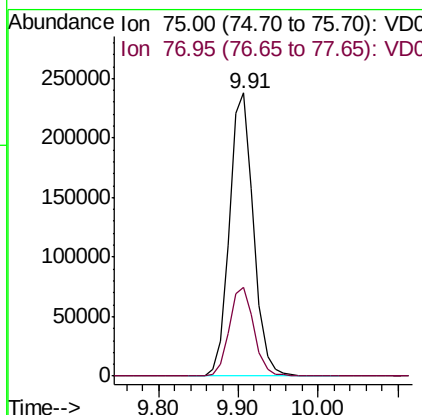
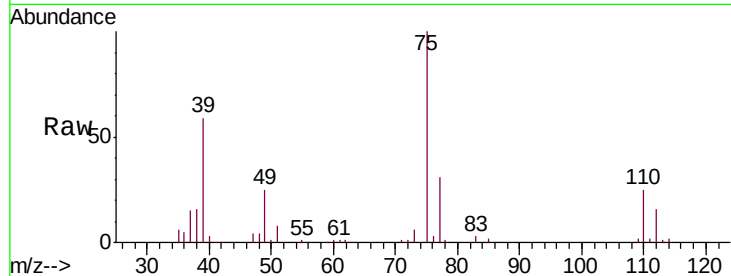




#53
 t-1,3-Dichloropropene
 Concen: 158.670 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

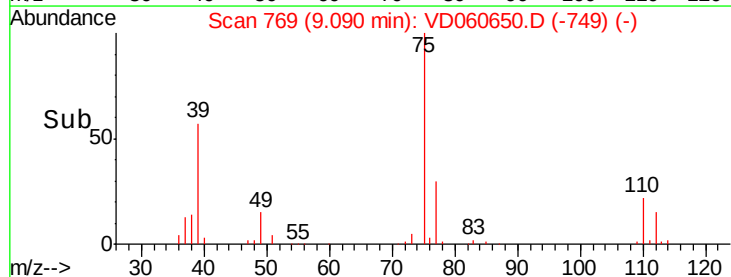
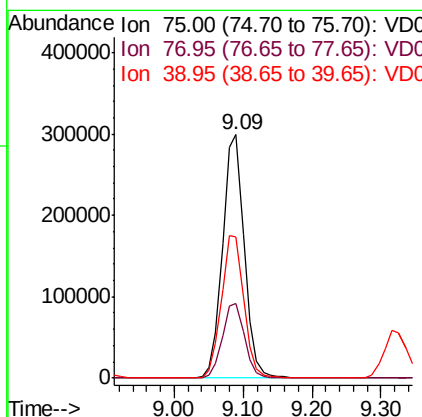
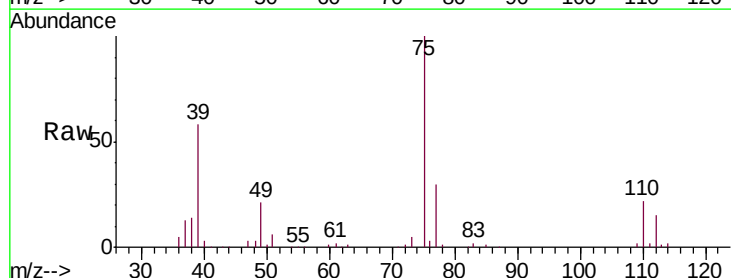
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

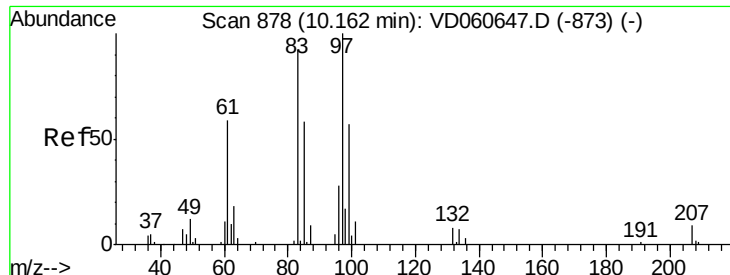
Tgt Ion: 75 Resp: 500788
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 154.147 ug/l
 RT: 9.09 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Tgt Ion: 75 Resp: 651484
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.2 36.4
 39 58.1 46.6 70.0

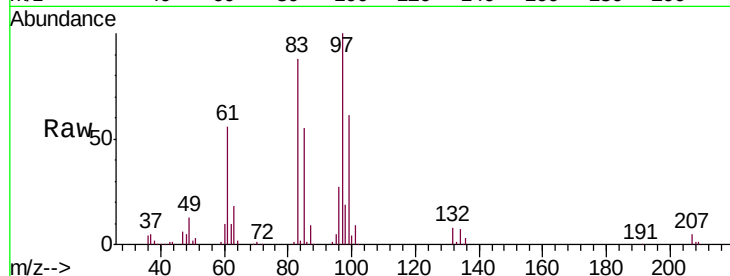




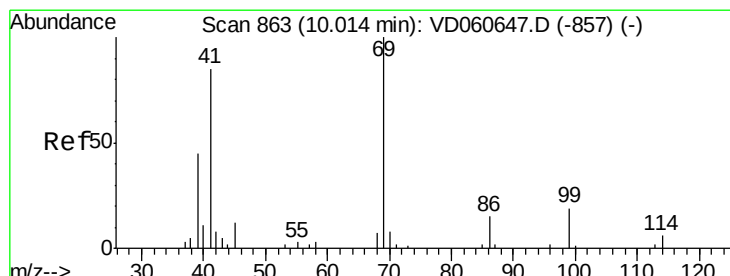
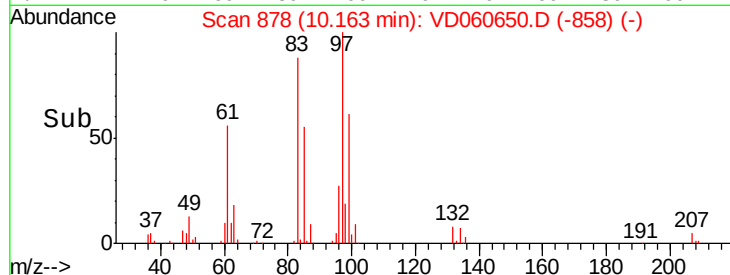
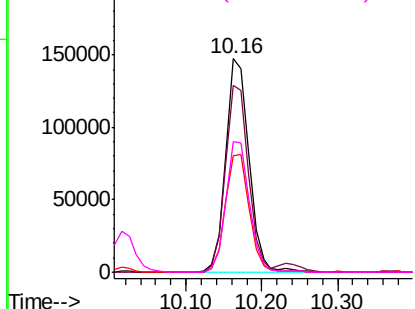
#55
 1,1,2-Trichloroethane
 Concen: 149.629 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:	97	Resp:	313584
Ion	Ratio	Lower	Upper
97	100		
83	87.6	74.0	111.0
85	54.8	46.3	69.5
99	60.9	45.4	68.0

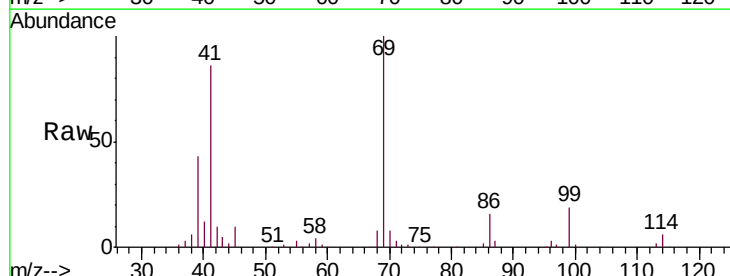


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

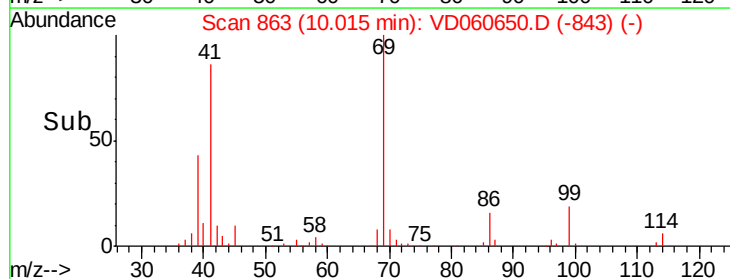
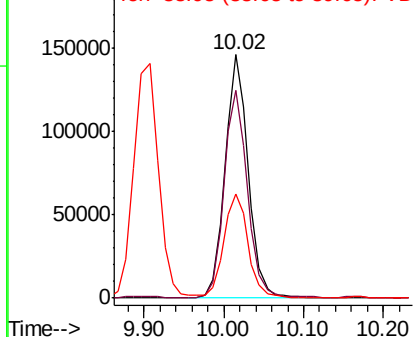


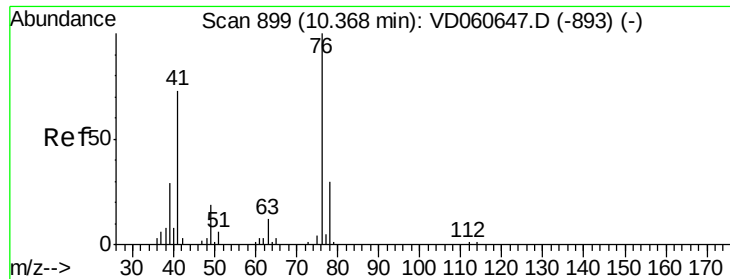
#56
 Ethyl methacrylate
 Concen: 160.232 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Tgt Ion:	69	Resp:	298765
Ion	Ratio	Lower	Upper
69	100		
41	85.5	68.3	102.5
39	42.6	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

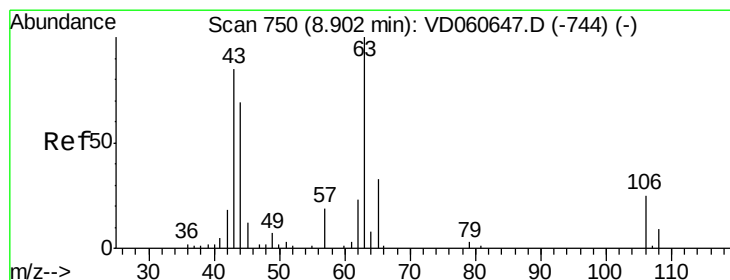
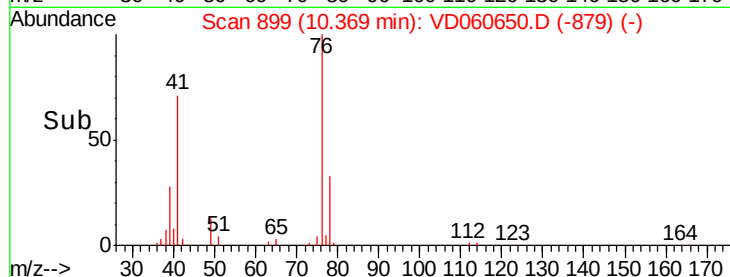
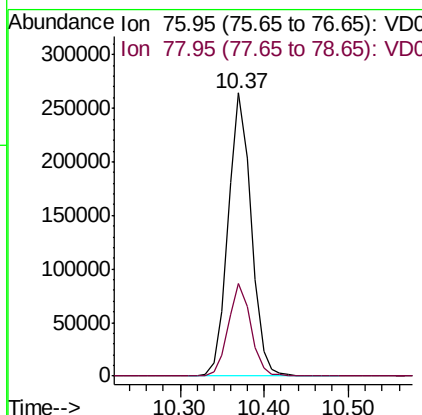
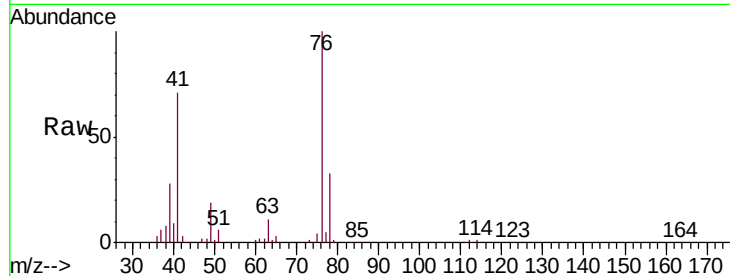




#57
 1,3-Dichloropropane
 Concen: 141.919 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

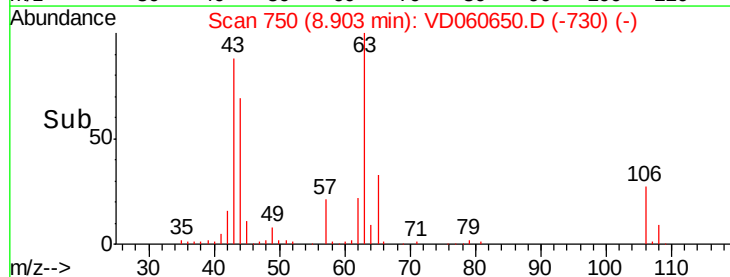
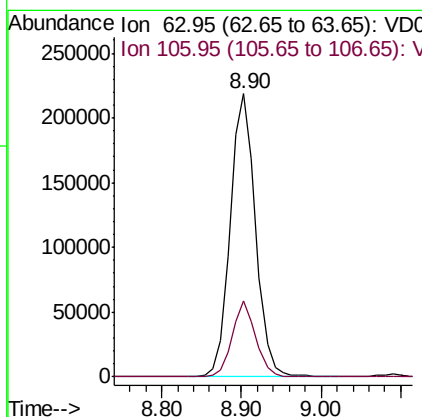
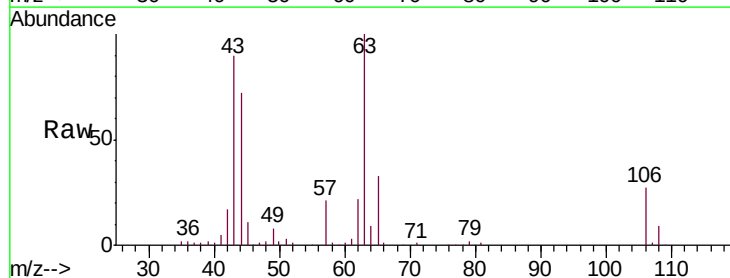
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

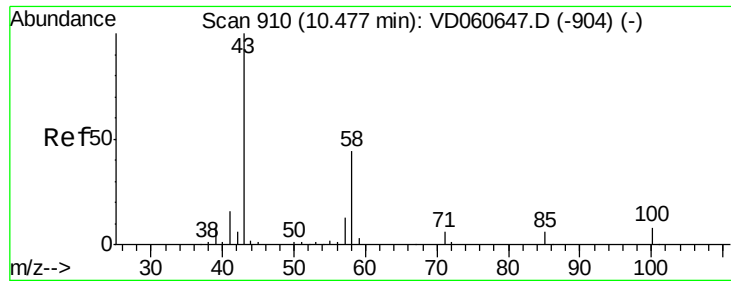
Tgt Ion: 76 Resp: 501574
 Ion Ratio Lower Upper
 76 100
 78 32.6 24.0 36.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 881.060 ug/l
 RT: 8.90 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Tgt Ion: 63 Resp: 483622
 Ion Ratio Lower Upper
 63 100
 106 26.8 20.2 30.2

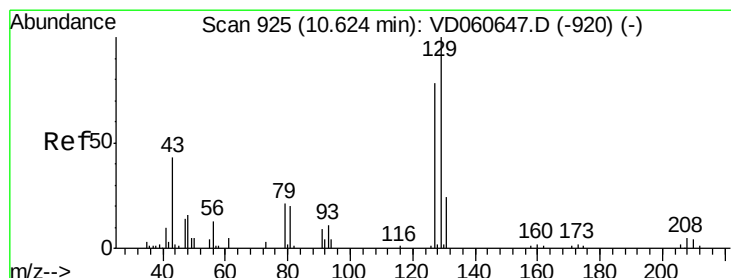
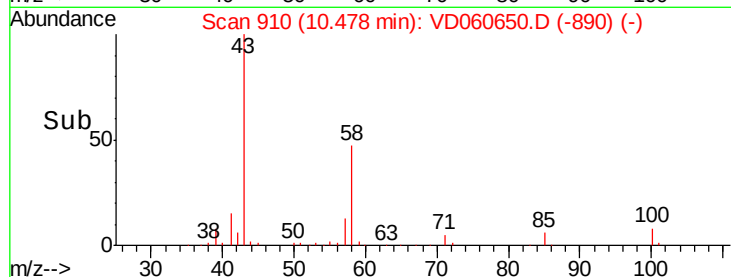
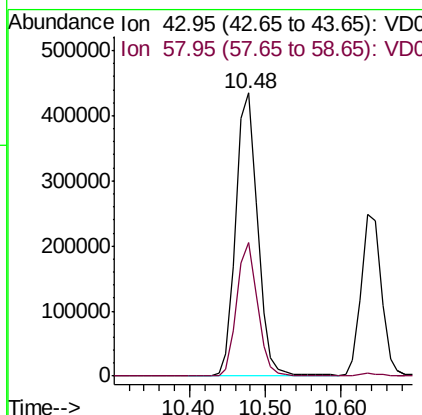
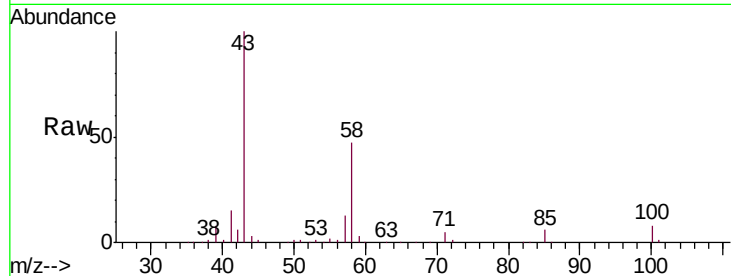




#59
2-Hexanone
Concen: 764.330 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

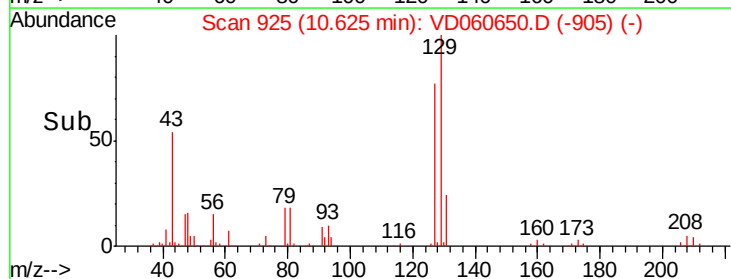
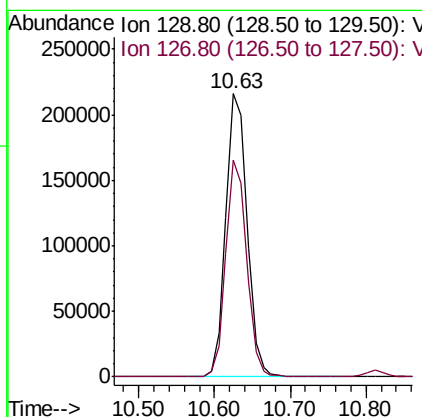
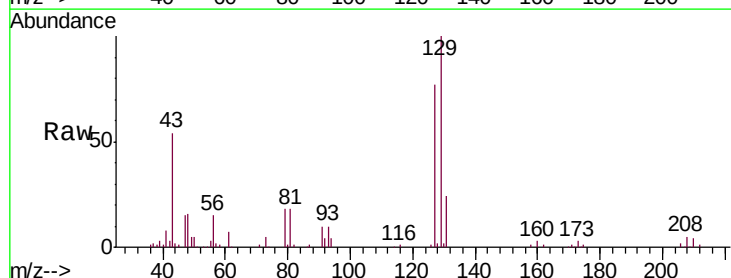
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

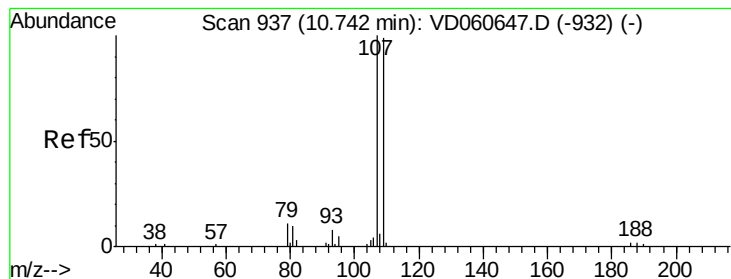
Tgt Ion: 43 Resp: 862167
Ion Ratio Lower Upper
43 100
58 47.3 22.3 66.8



#60
Dibromochloromethane
Concen: 153.638 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion: 129 Resp: 421192
Ion Ratio Lower Upper
129 100
127 76.8 39.0 117.0





#61

1,2-Dibromoethane

Concen: 146.421 ug/l

RT: 10.74 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

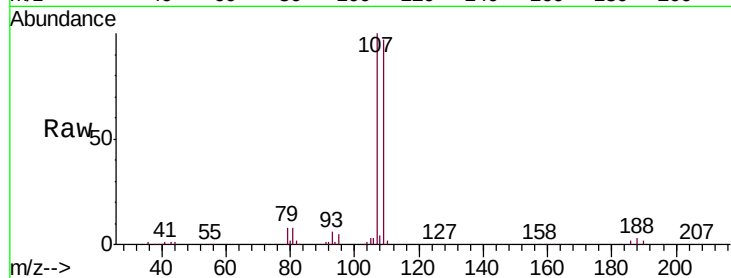
VSTDIC150

Tgt Ion: 107 Resp: 306025

Ion Ratio Lower Upper

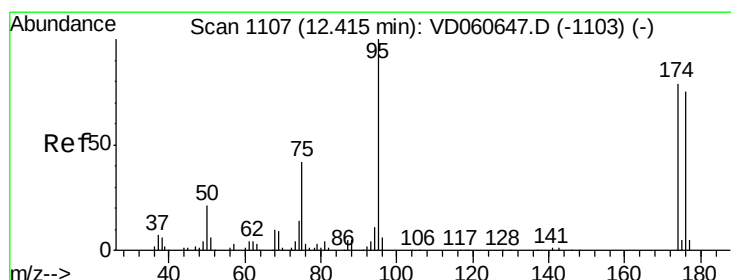
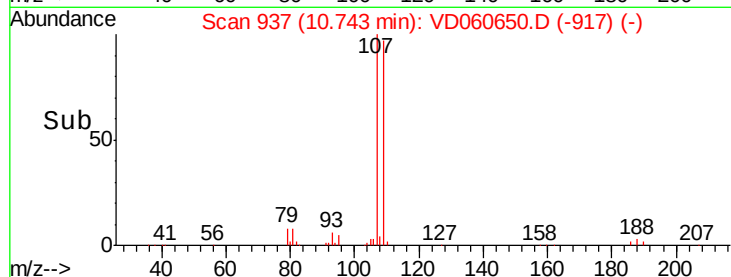
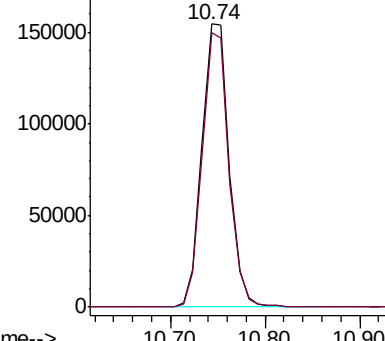
107 100

109 96.9 79.4 119.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 146.421 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

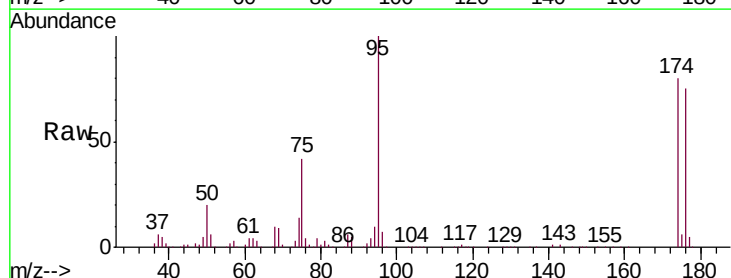
Tgt Ion: 95 Resp: 702366

Ion Ratio Lower Upper

95 100

174 79.8 0.0 158.2

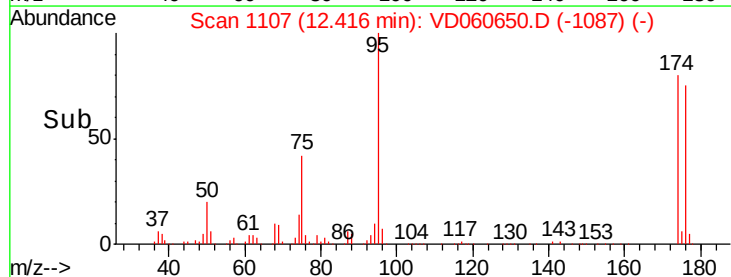
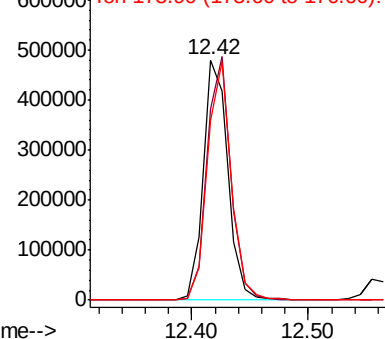
176 74.6 0.0 150.2

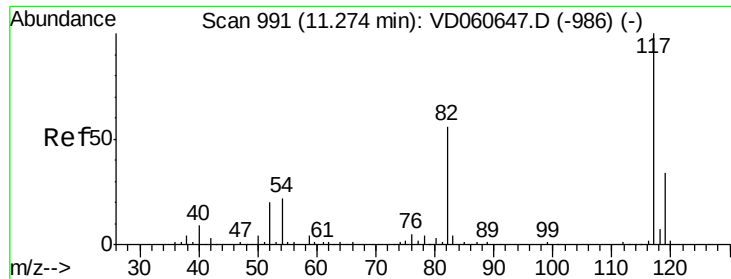


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

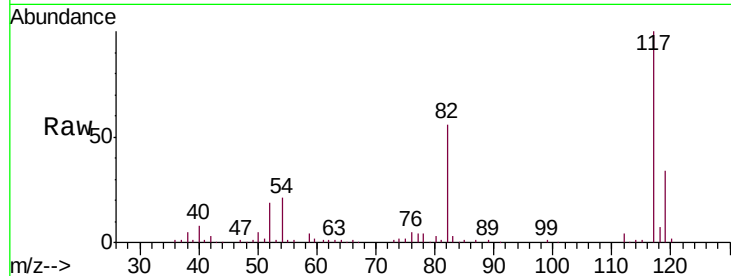




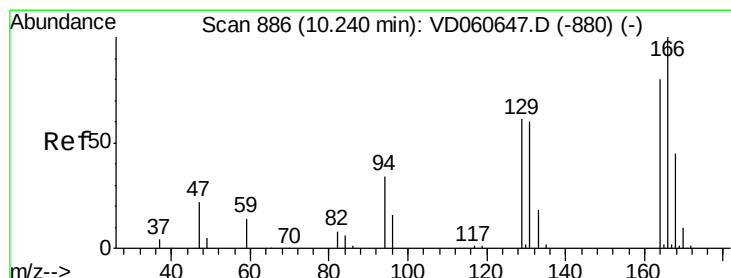
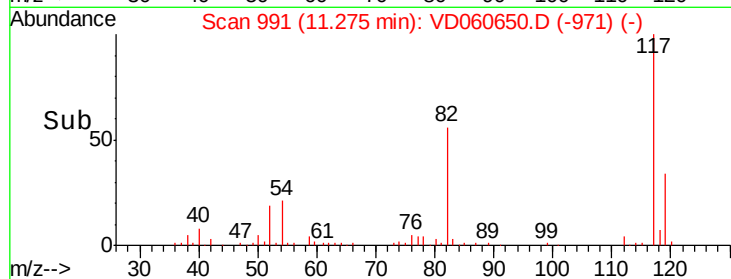
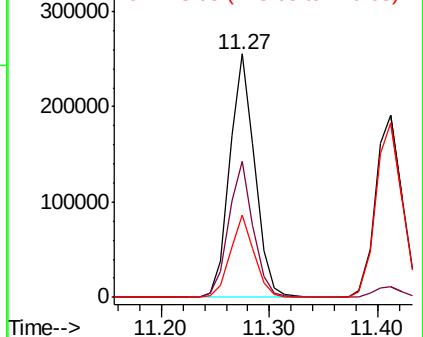
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 409733
Ion Ratio Lower Upper
117 100
82 55.9 44.6 67.0
119 33.6 27.0 40.4

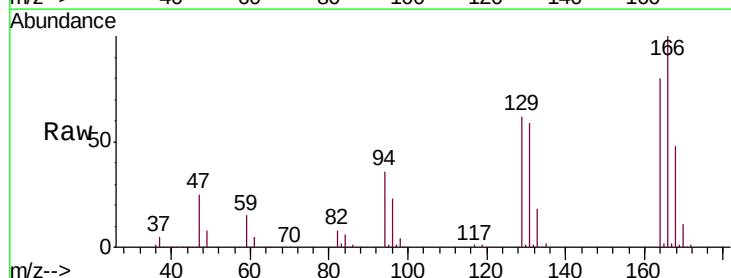


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

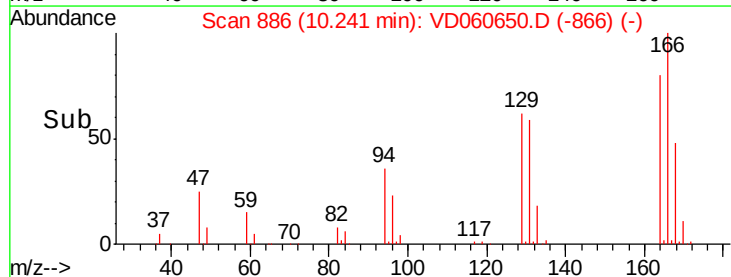
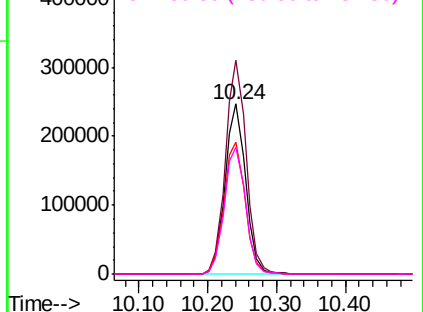


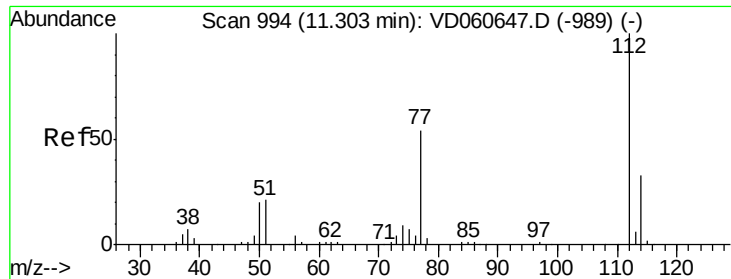
#64
Tetrachloroethene
Concen: 139.099 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion:164 Resp: 509339
Ion Ratio Lower Upper
164 100
166 125.5 100.0 150.0
129 77.6 60.6 90.8
131 74.5 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

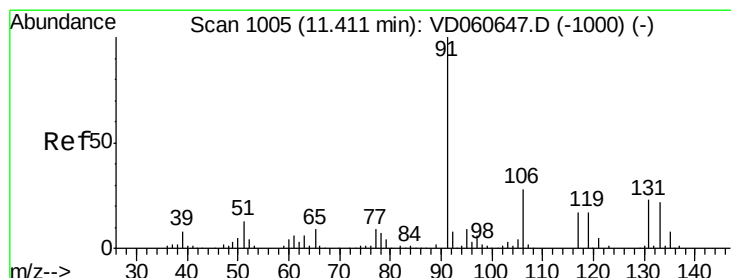
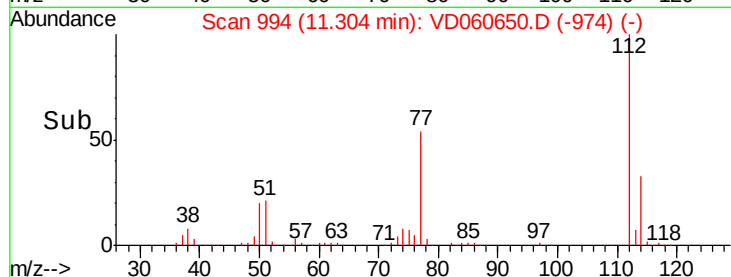
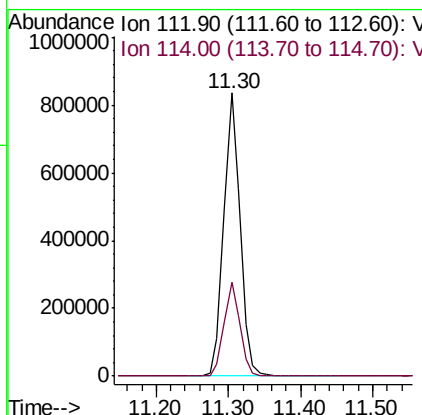
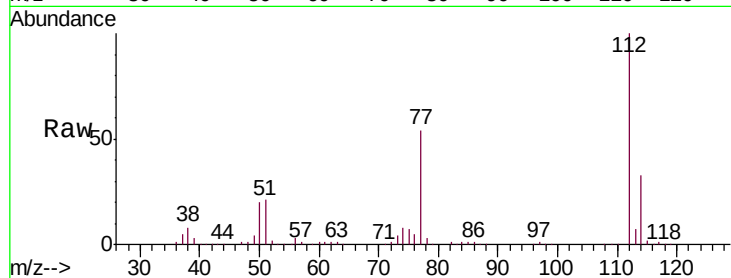




#65
Chlorobenzene
Concen: 145.186 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

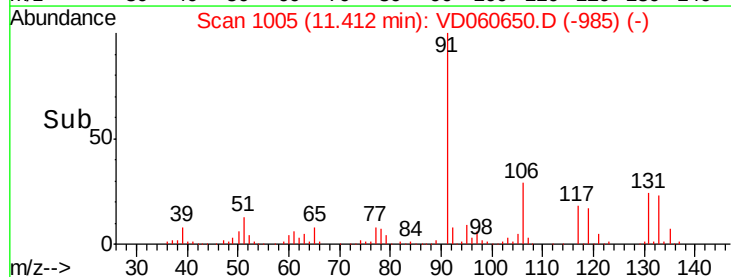
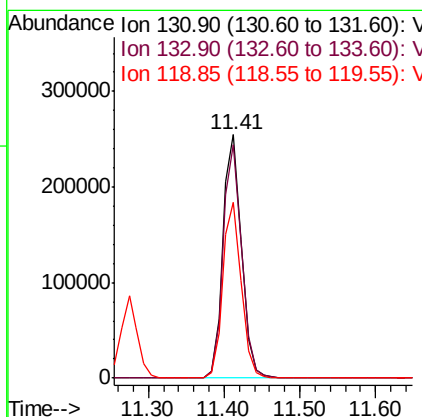
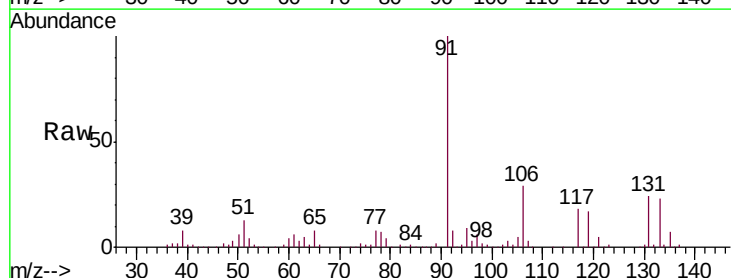
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

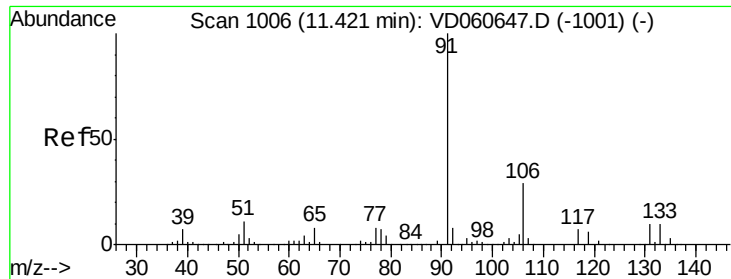
Tgt Ion:112 Resp: 1308131
Ion Ratio Lower Upper
112 100
114 33.2 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 144.150 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion:131 Resp: 432702
Ion Ratio Lower Upper
131 100
133 96.0 49.4 148.2
119 72.1 36.9 110.6

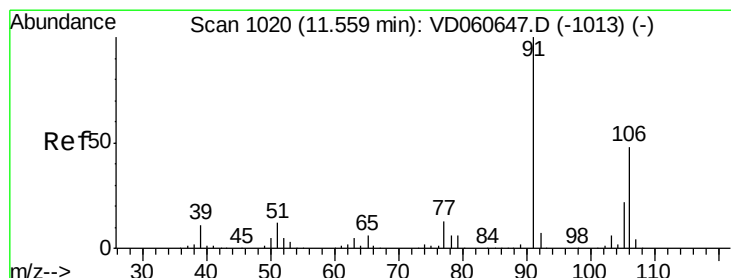
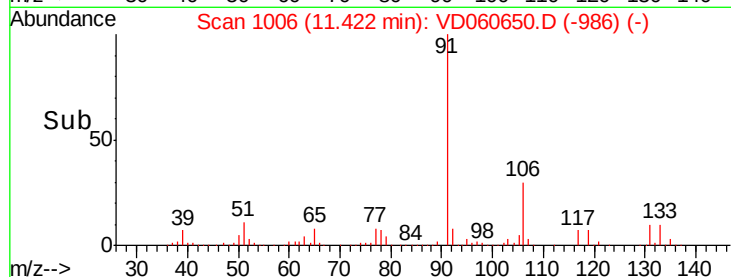
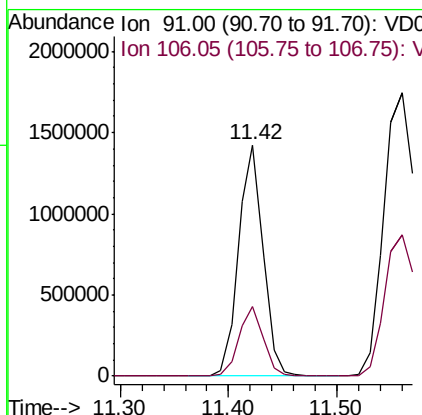
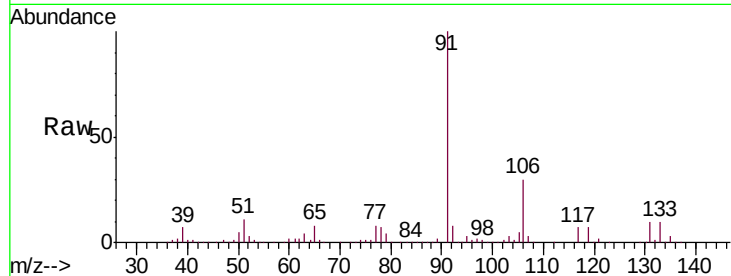




#67
Ethyl Benzene
Concen: 137.643 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

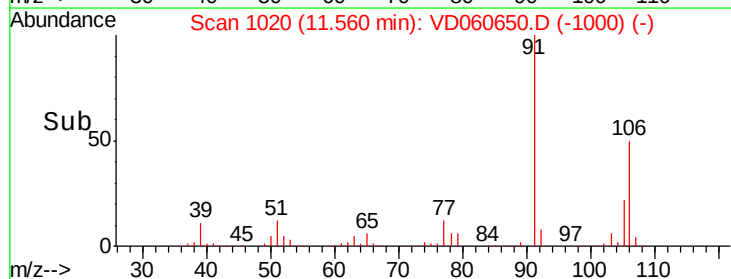
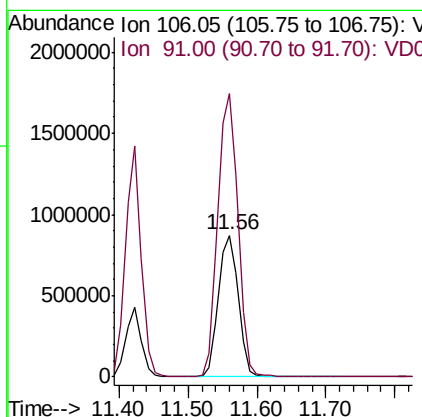
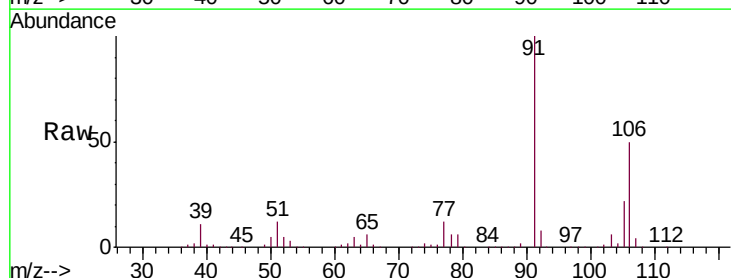
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

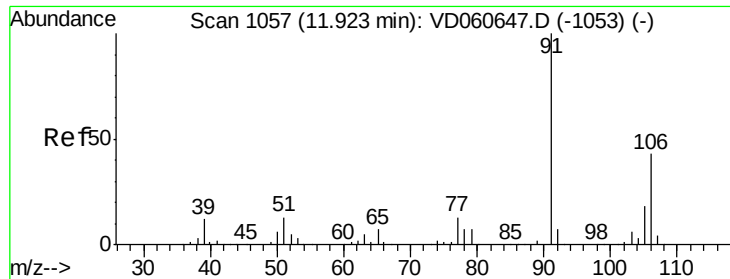
Tgt Ion: 91 Resp: 2242431
Ion Ratio Lower Upper
91 100
106 30.3 23.5 35.3



#68
m/p-Xylenes
Concen: 287.791 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion: 106 Resp: 1738087
Ion Ratio Lower Upper
106 100
91 200.4 167.6 251.4

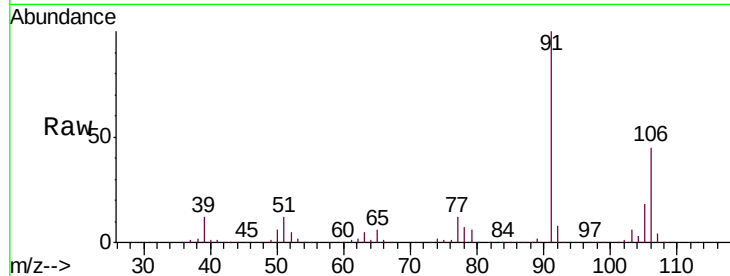




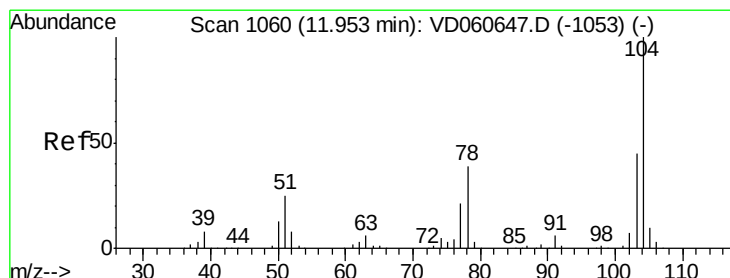
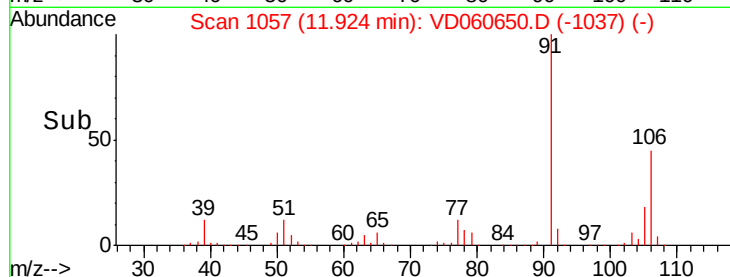
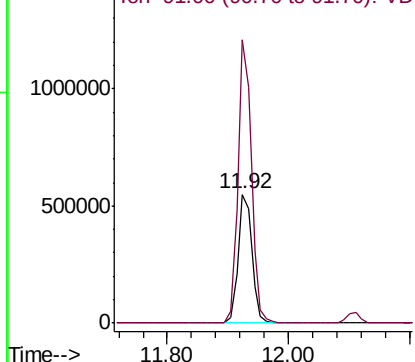
#69
o-Xylene
Concen: 147.039 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 876751
Ion Ratio Lower Upper
106 100
91 220.0 115.4 346.2

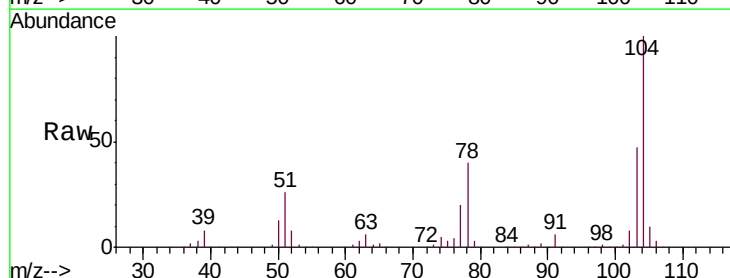


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

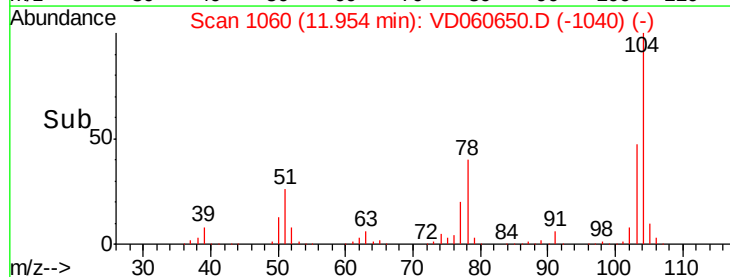
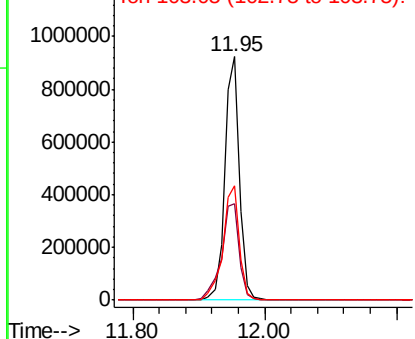


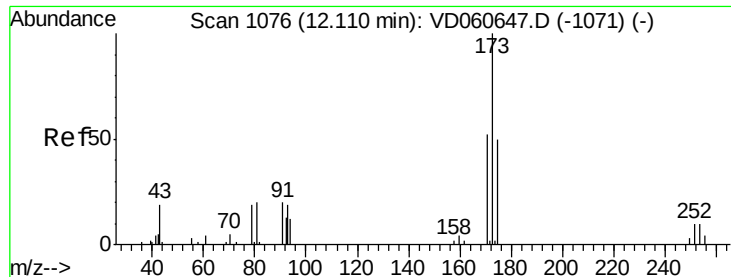
#70
Styrene
Concen: 146.189 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion:104 Resp: 1422274
Ion Ratio Lower Upper
104 100
78 39.6 31.0 46.4
103 47.0 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: 169.782 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

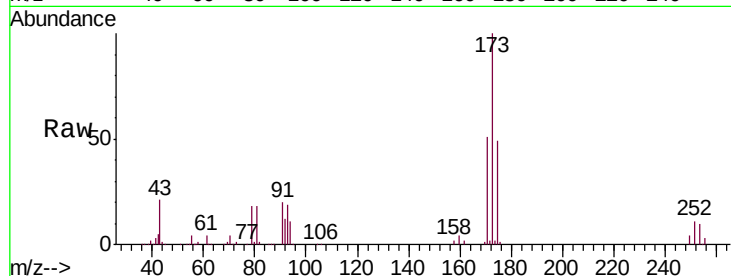
Tgt Ion:173 Resp: 333676

Ion Ratio Lower Upper

173 100

175 48.9 24.9 74.6

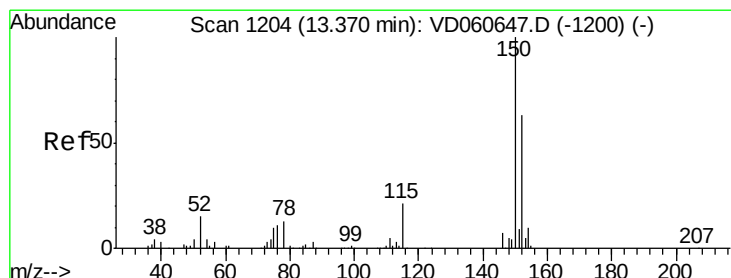
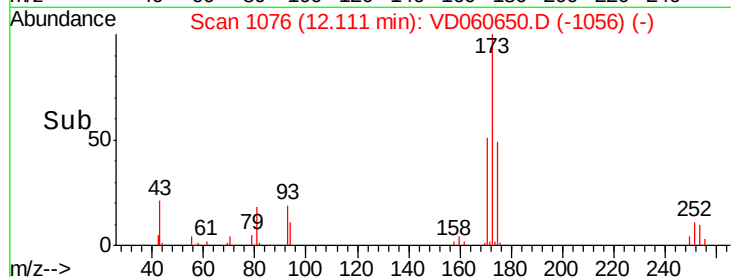
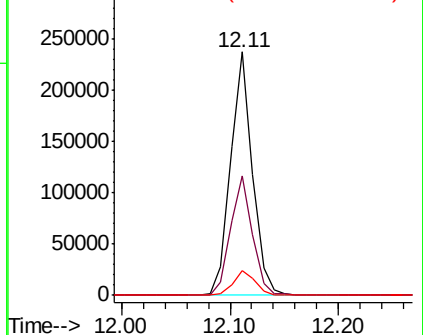
254 9.9 8.0 12.0



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: VD060650.D

Acq: 19 Dec 2018 20:56

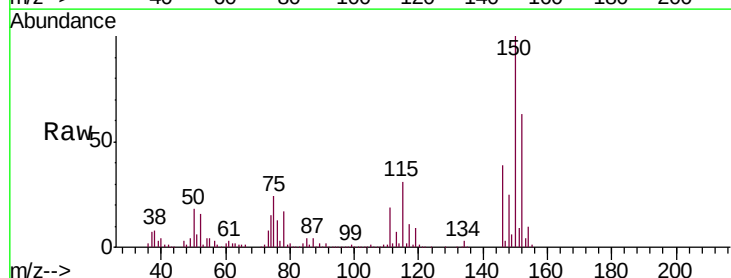
Tgt Ion:152 Resp: 330083

Ion Ratio Lower Upper

152 100

115 49.1 24.3 72.9

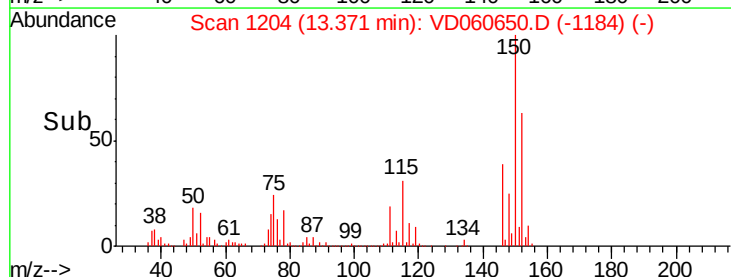
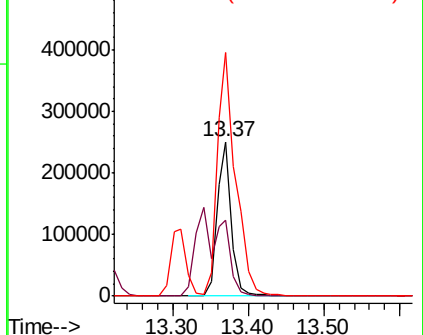
150 157.6 0.0 320.0

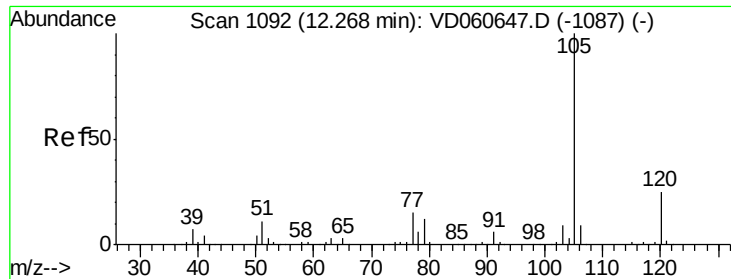


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 138.884 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

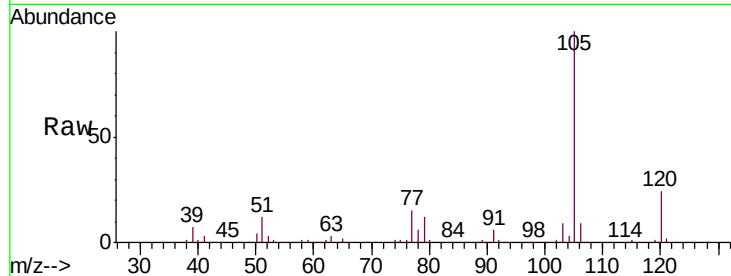
VSTDIC150

Tgt Ion:105 Resp: 2456143

Ion Ratio Lower Upper

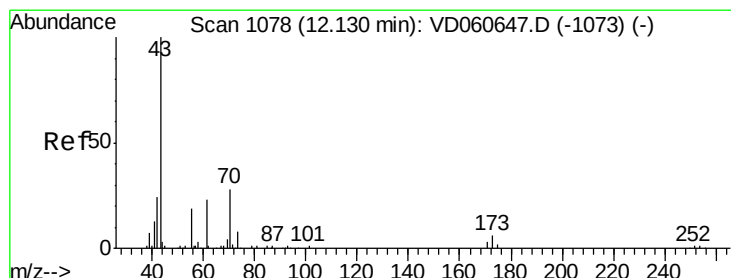
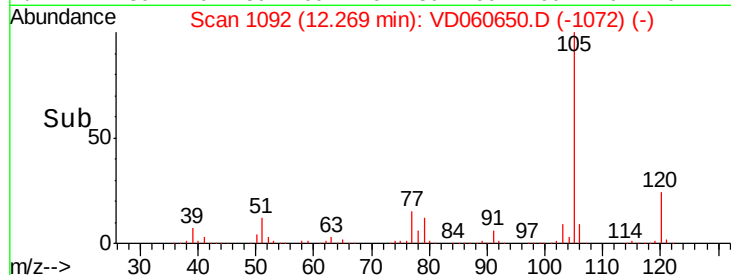
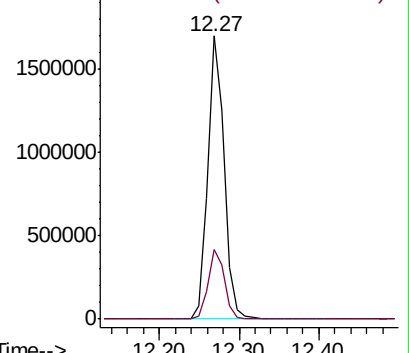
105 100

120 24.5 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: 171.788 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Tgt Ion: 43 Resp: 656352

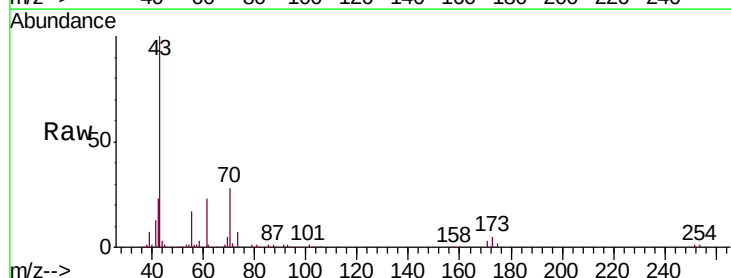
Ion Ratio Lower Upper

43 100

70 28.5 22.8 34.2

55 17.2 14.8 22.2

61 23.0 18.3 27.5

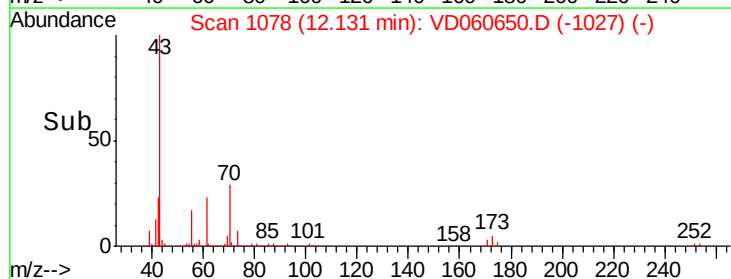
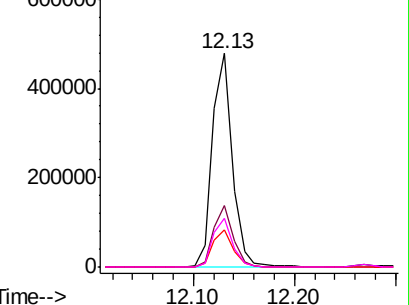


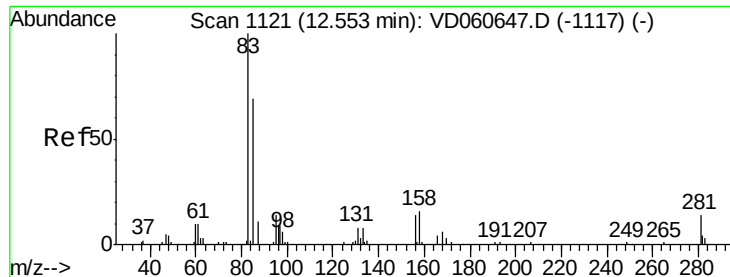
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

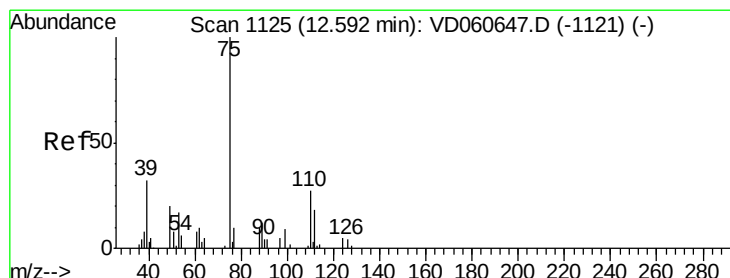
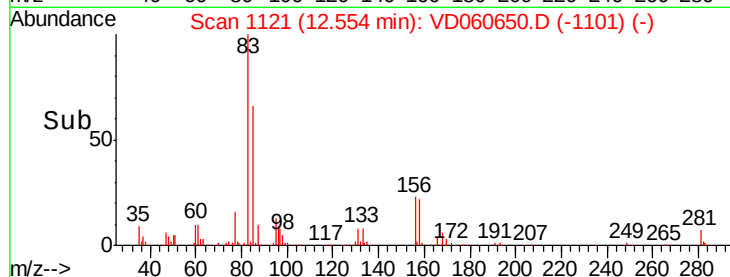
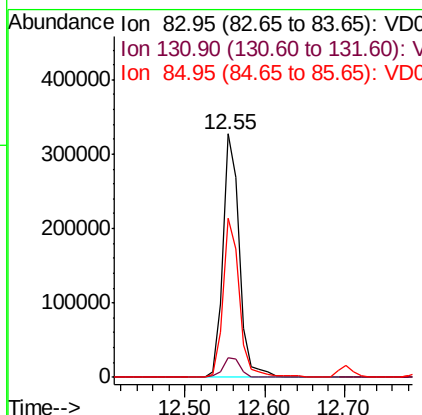
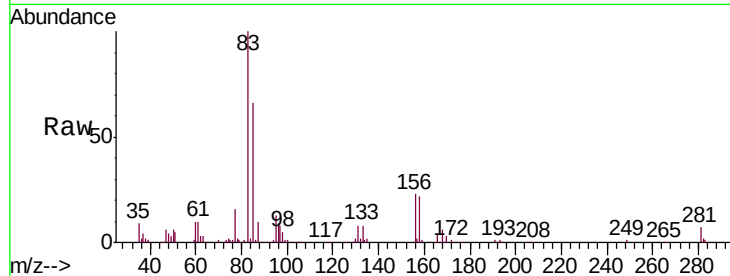




#75
 1,1,2,2-Tetrachloroethane
 Concen: 153.889 ug/l
 RT: 12.55 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

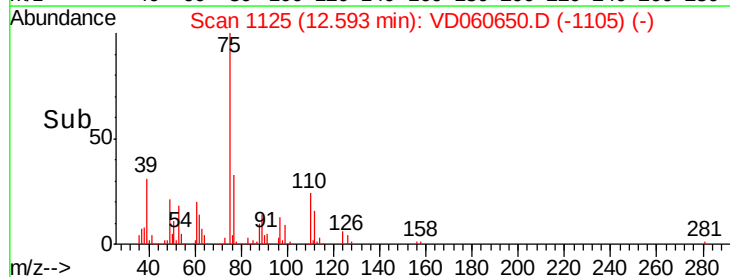
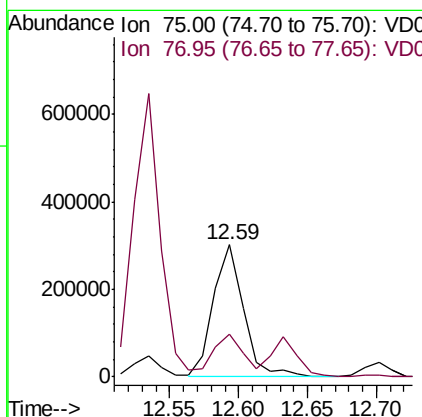
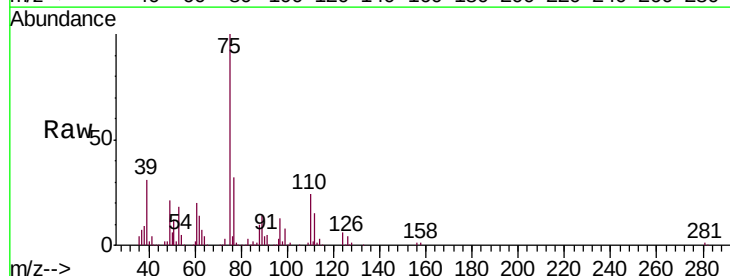
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

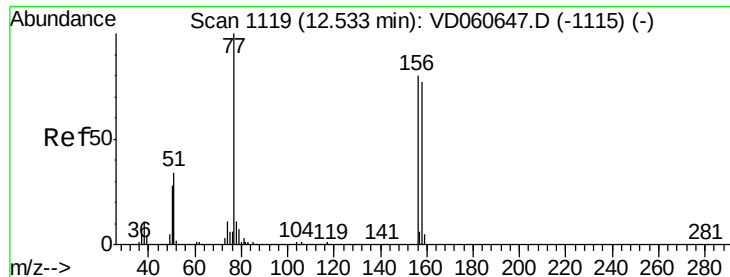
Tgt Ion: 83 Resp: 475416
 Ion Ratio Lower Upper
 83 100
 131 8.0 4.0 12.0
 85 65.5 34.5 103.5



#76
 1,2,3-Trichloropropane
 Concen: 162.501 ug/l
 RT: 12.59 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Tgt Ion: 75 Resp: 456966
 Ion Ratio Lower Upper
 75 100
 77 32.5 15.9 47.7

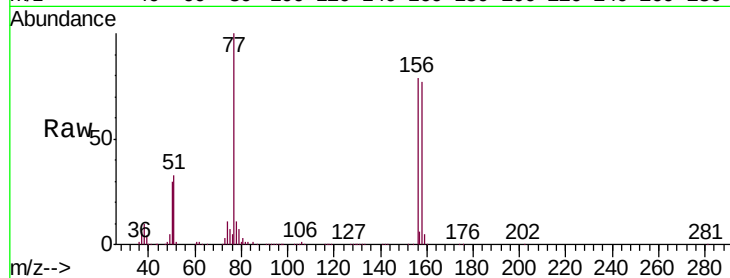




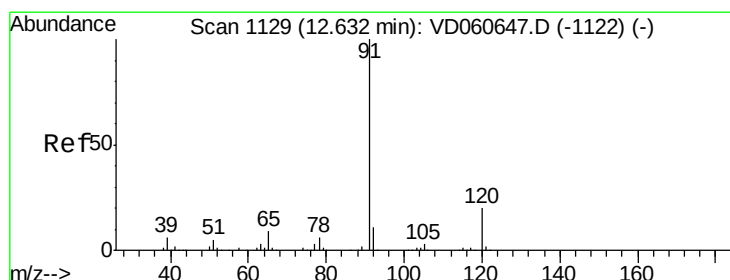
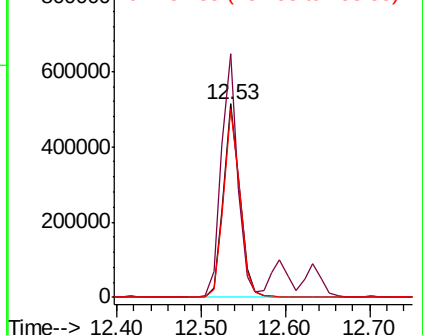
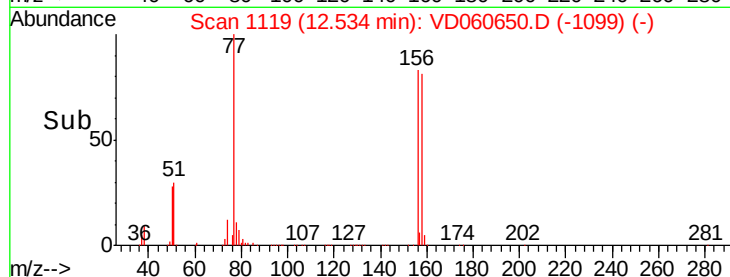
#77
Bromobenzene
Concen: 141.933 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 156 Resp: 701260
Ion Ratio Lower Upper
156 100
77 125.8 62.8 188.5
158 97.3 48.6 145.9

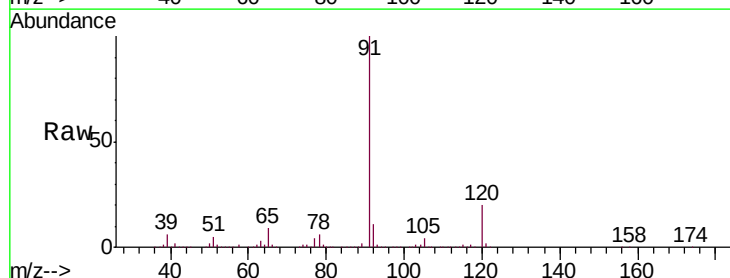


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

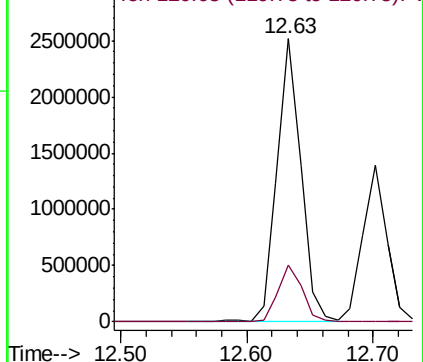
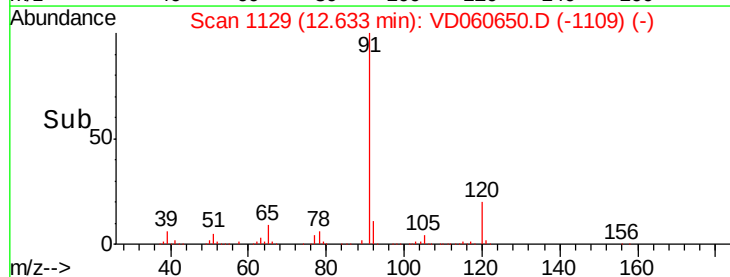


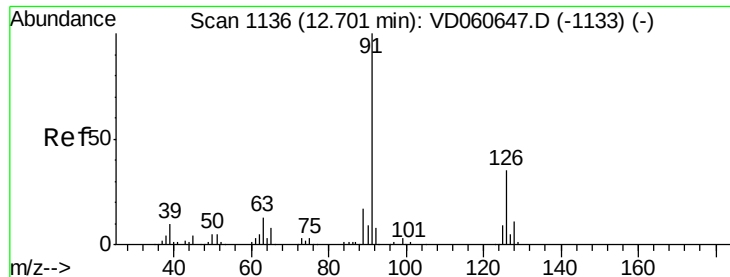
#78
n-propylbenzene
Concen: 136.146 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion: 91 Resp: 3336585
Ion Ratio Lower Upper
91 100
120 20.1 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

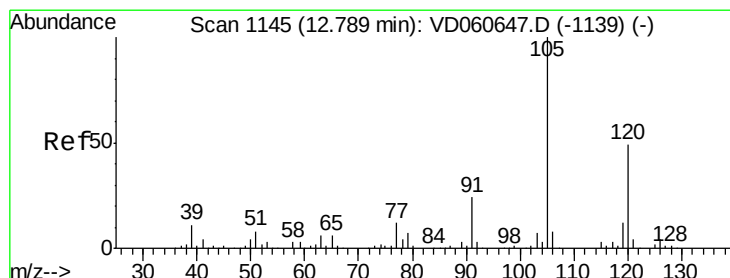
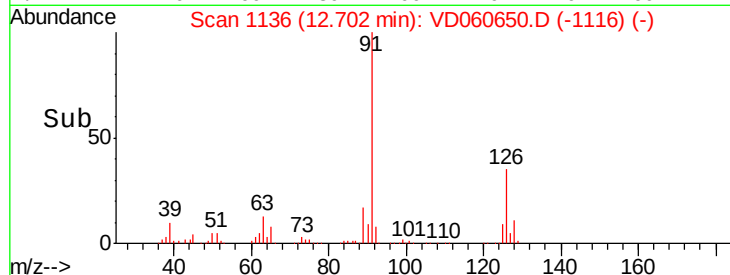
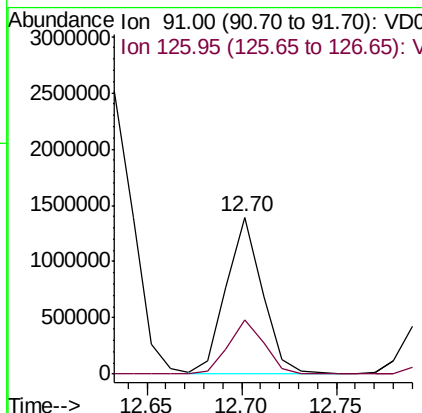
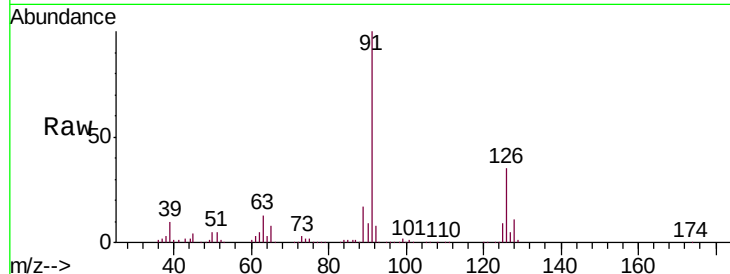




#79
 2-Chlorotoluene
 Concen: 137.773 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

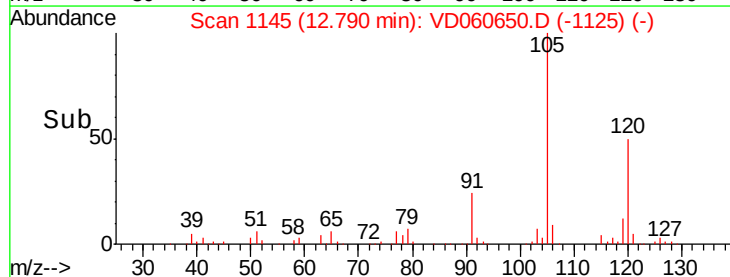
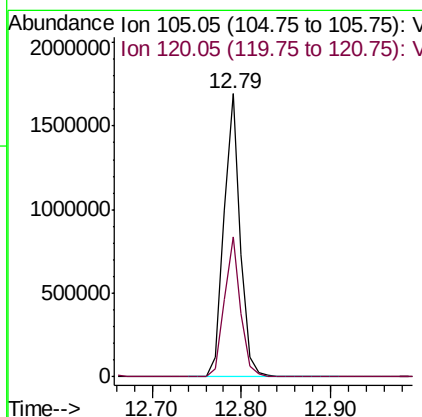
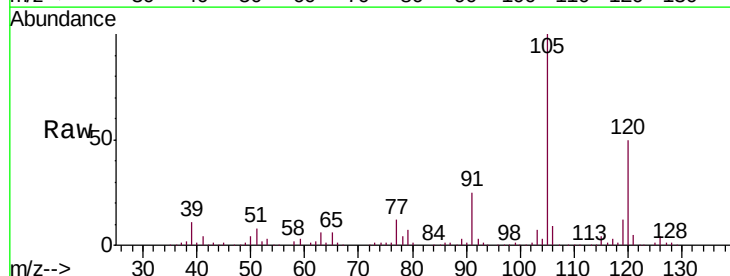
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

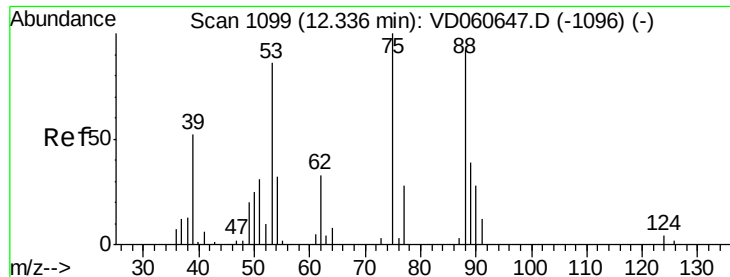
Tgt Ion: 91 Resp: 1840041
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 138.657 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Tgt Ion: 105 Resp: 2190574
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 170.594 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

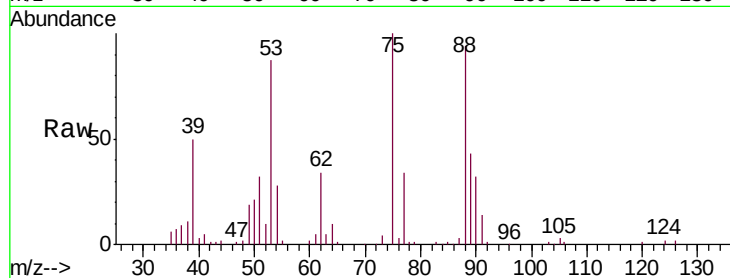
Tgt Ion: 75 Resp: 110530

Ion Ratio Lower Upper

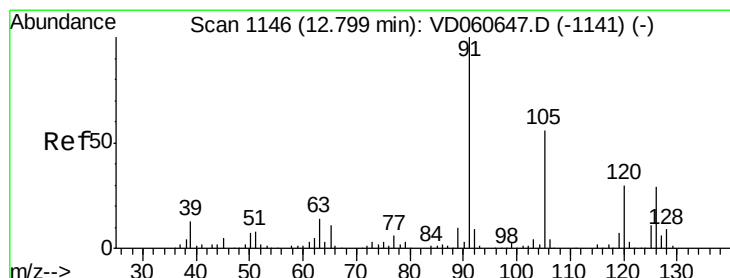
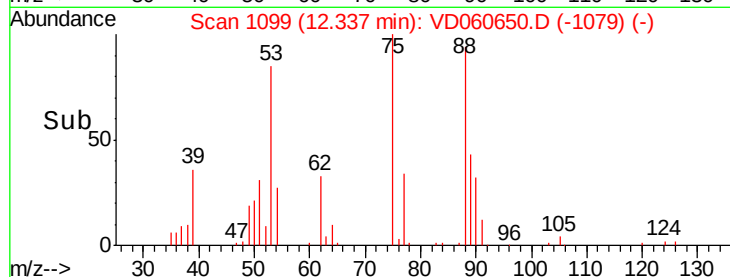
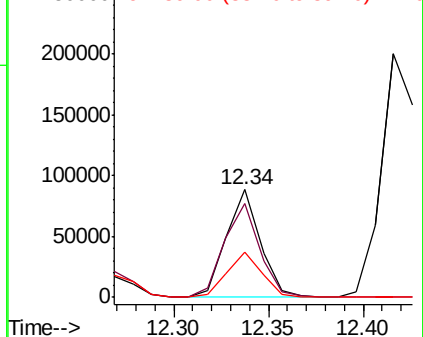
75 100

53 87.2 68.4 102.6

89 42.5 31.6 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 134.187 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060650.D

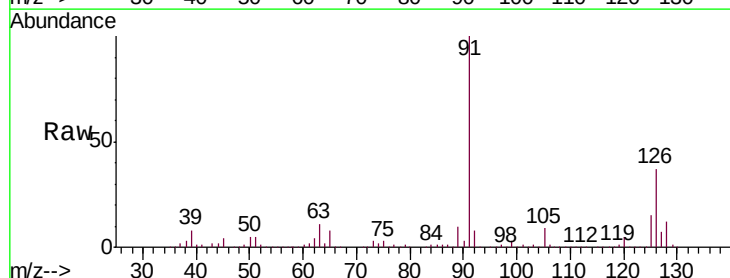
Acq: 19 Dec 2018 20:56

Tgt Ion: 91 Resp: 2108735

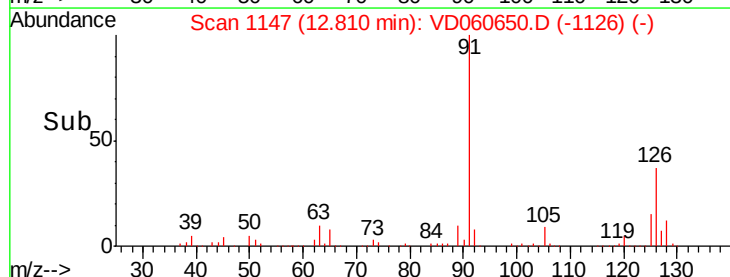
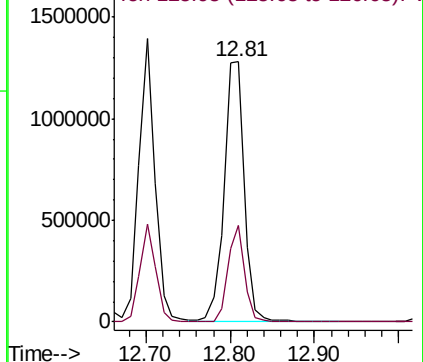
Ion Ratio Lower Upper

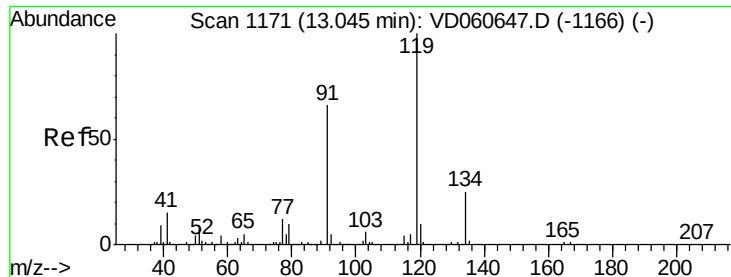
91 100

126 37.2 14.5 43.6



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

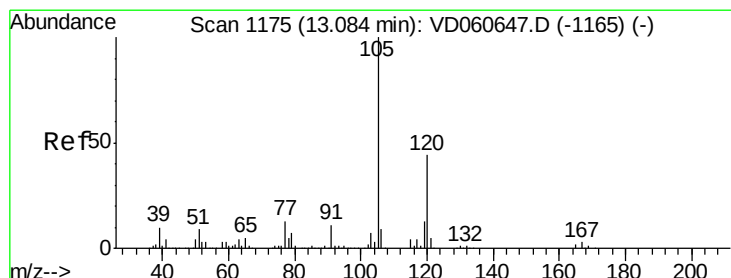
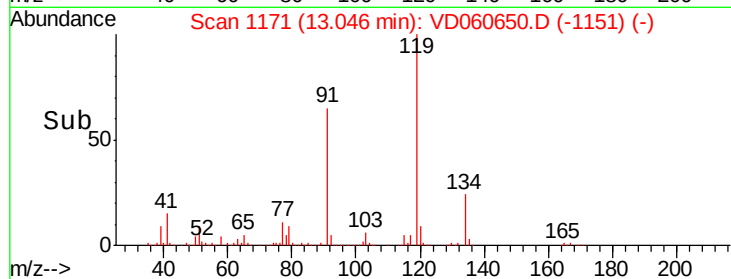
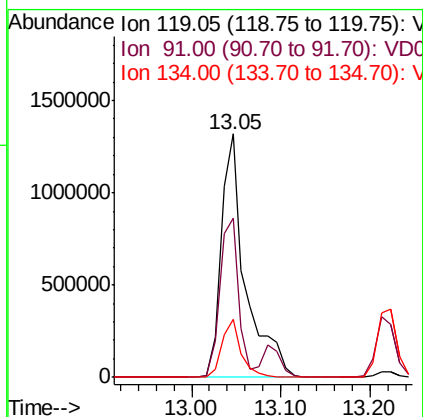
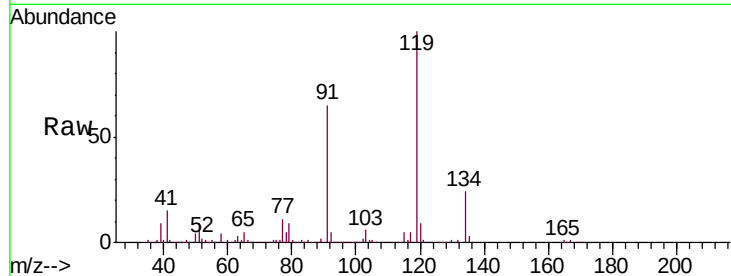




#83
 tert-Butylbenzene
 Concen: 138.021 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

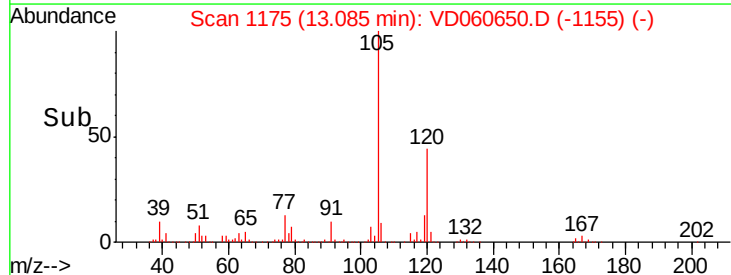
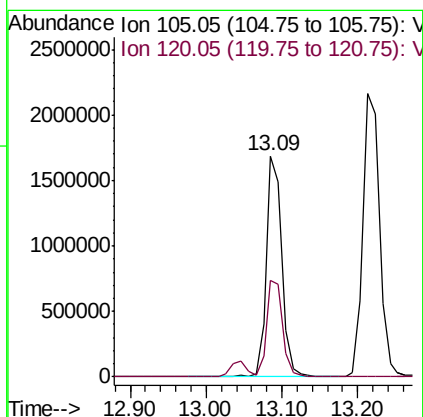
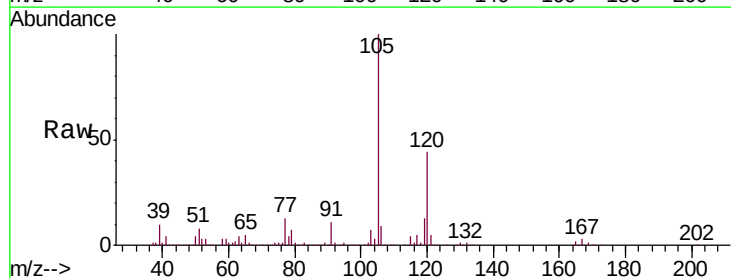
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

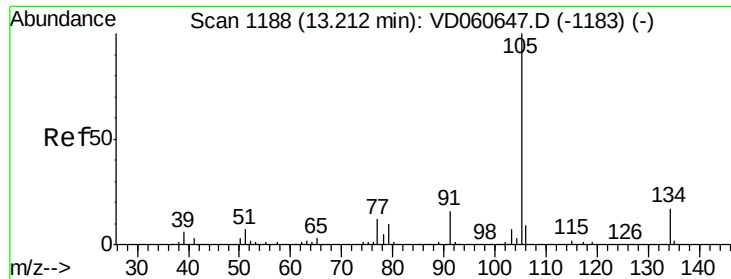
Tgt Ion:119 Resp: 2514179
 Ion Ratio Lower Upper
 119 100
 91 65.4 33.3 99.8
 134 24.1 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 138.234 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Tgt Ion:105 Resp: 2402209
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.3 66.8





#85

sec-Butylbenzene

Concen: 138.752 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

Instrument :

MSVOA_D

ClientSampleId :

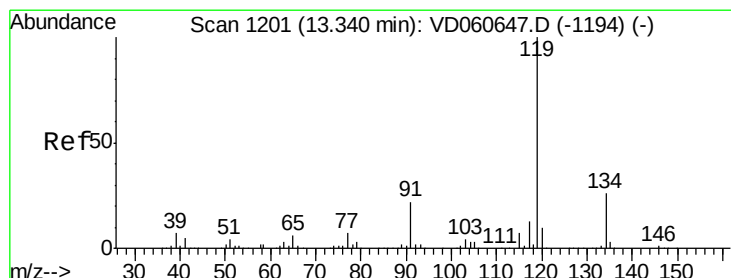
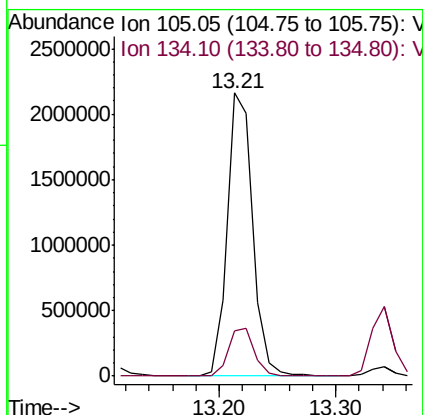
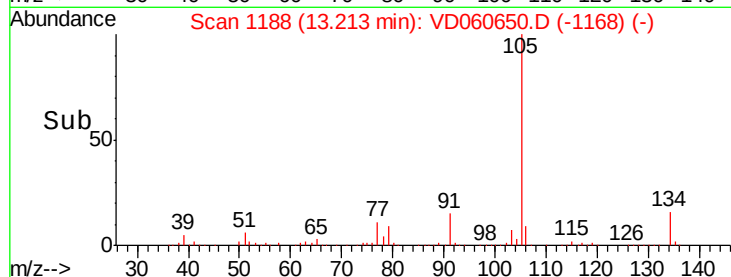
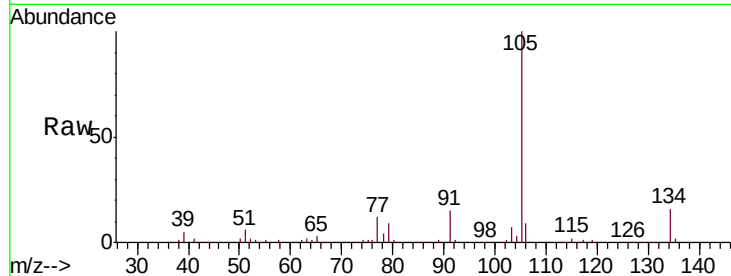
VSTDIC150

Tgt Ion:105 Resp: 3239906

Ion Ratio Lower Upper

105 100

134 16.1 8.3 24.8



#86

p-Isopropyltoluene

Concen: 138.957 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD060650.D

Acq: 19 Dec 2018 20:56

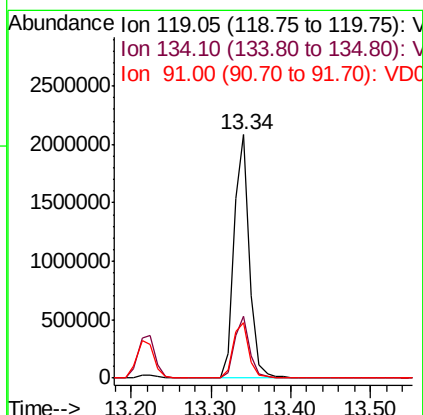
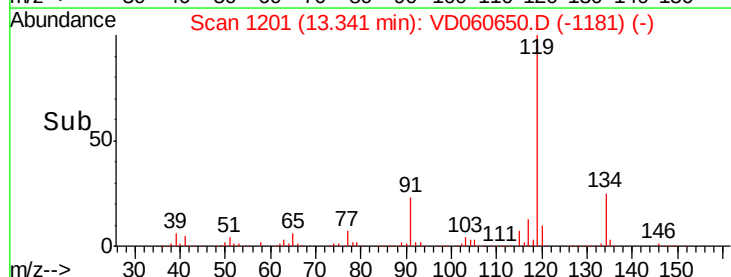
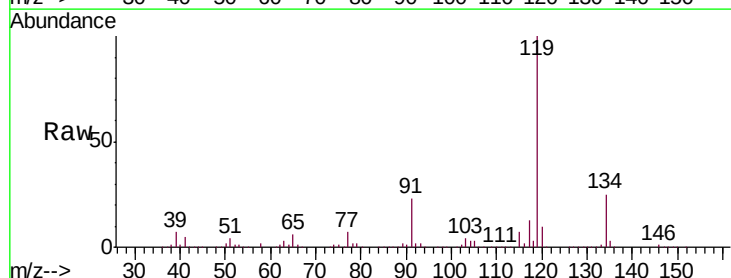
Tgt Ion:119 Resp: 2794508

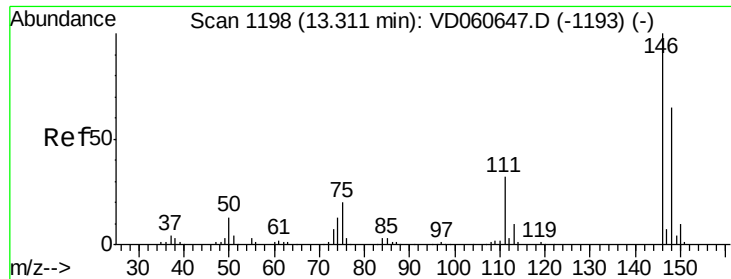
Ion Ratio Lower Upper

119 100

134 25.5 13.1 39.1

91 22.9 11.2 33.5

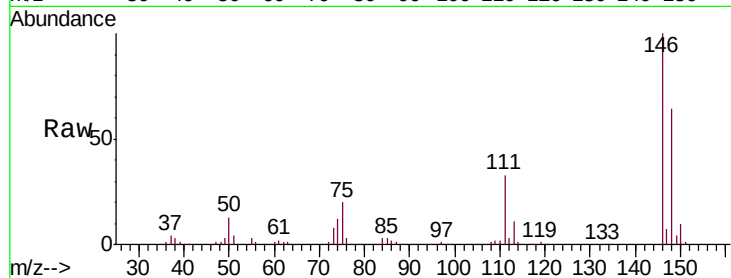




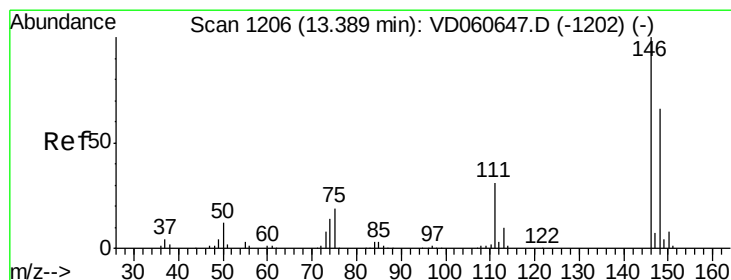
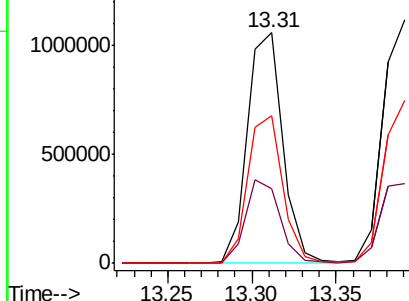
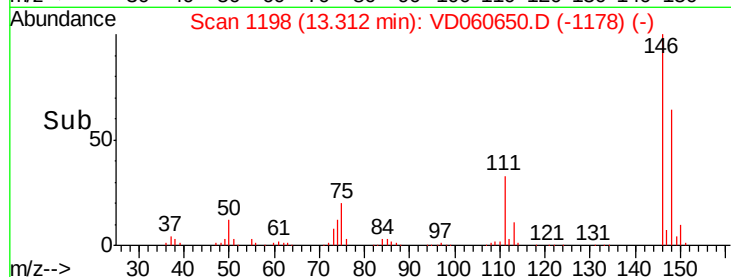
#87
 1,3-Dichlorobenzene
 Concen: 139.923 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC150

Tgt Ion:146 Resp: 1549890
 Ion Ratio Lower Upper
 146 100
 111 32.6 15.9 47.7
 148 64.2 32.4 97.0

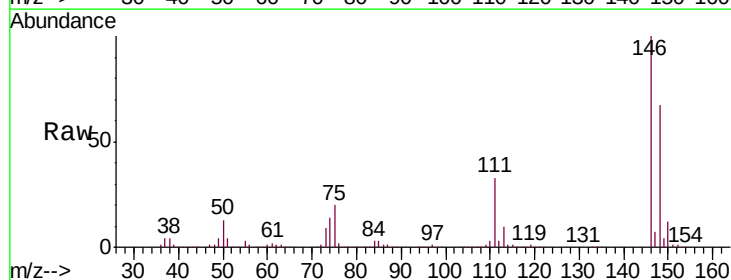


Abundance Ion 145.95 (145.65 to 146.65): V
 1500000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

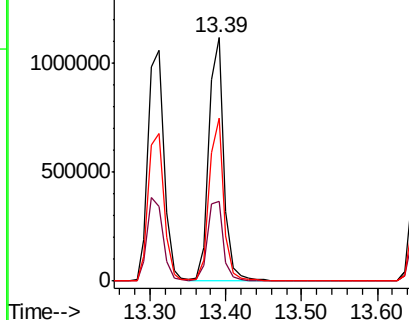
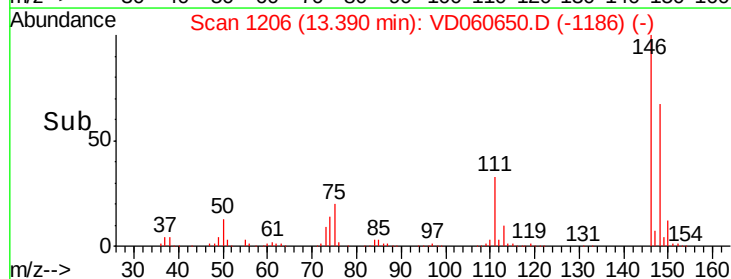


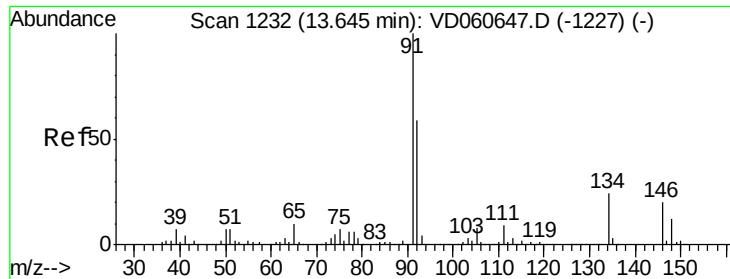
#88
 1,4-Dichlorobenzene
 Concen: 139.380 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Tgt Ion:146 Resp: 1559808
 Ion Ratio Lower Upper
 146 100
 111 32.8 15.4 46.2
 148 66.8 32.9 98.7



Abundance Ion 145.95 (145.65 to 146.65): V
 1500000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

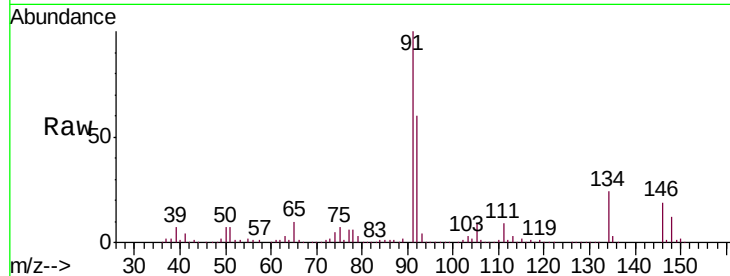




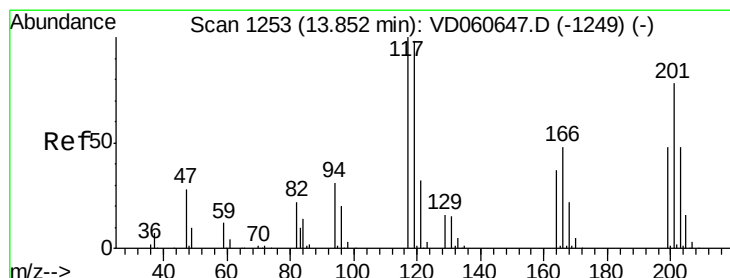
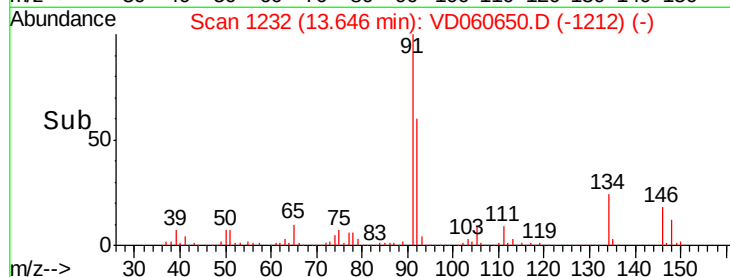
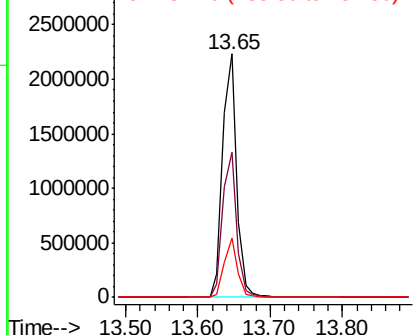
#89
n-Butylbenzene
Concen: 129.339 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 2981652
Ion Ratio Lower Upper
91 100
92 59.8 29.7 89.1
134 24.5 12.0 36.0

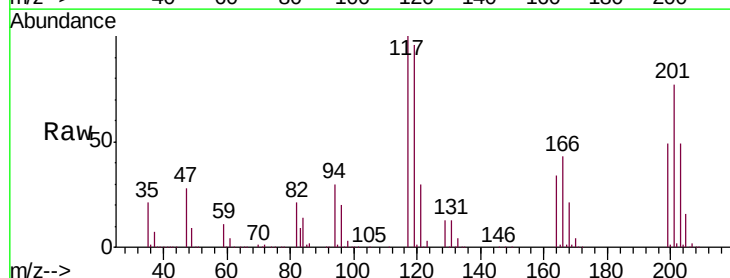


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

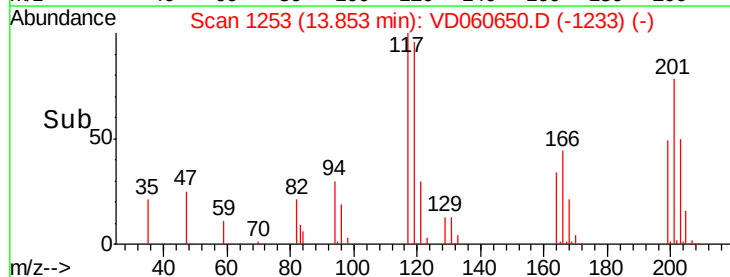
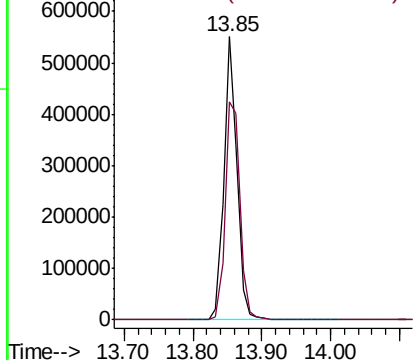


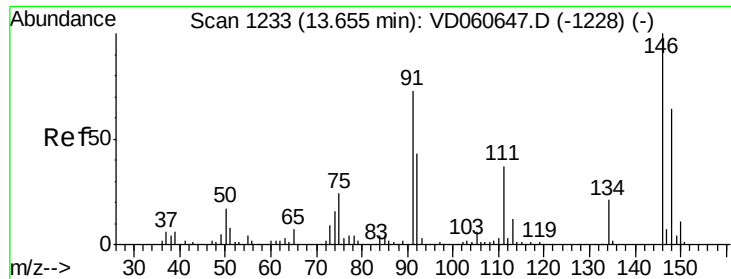
#90
Hexachloroethane
Concen: 149.847 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion: 117 Resp: 723104
Ion Ratio Lower Upper
117 100
201 77.0 39.0 116.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

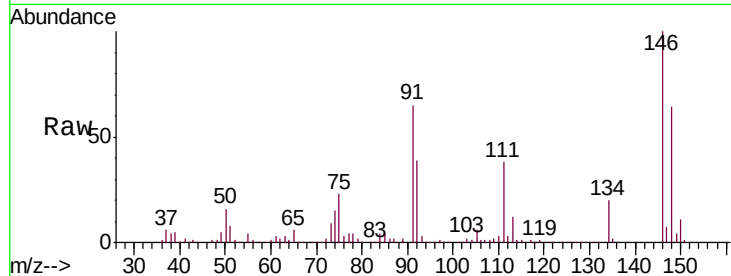




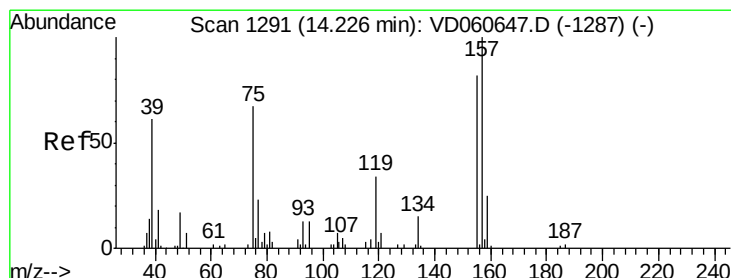
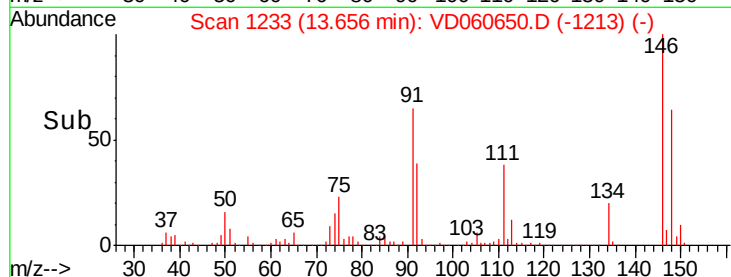
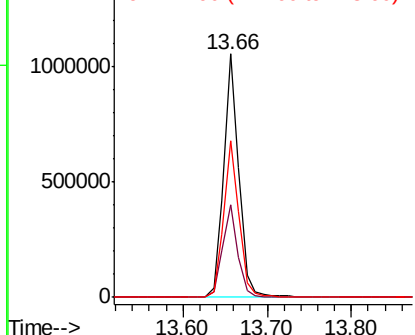
#91
 1,2-Dichlorobenzene
 Concen: 129.871 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 146 Resp: 1313681
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.6
 148 64.2 31.9 95.9

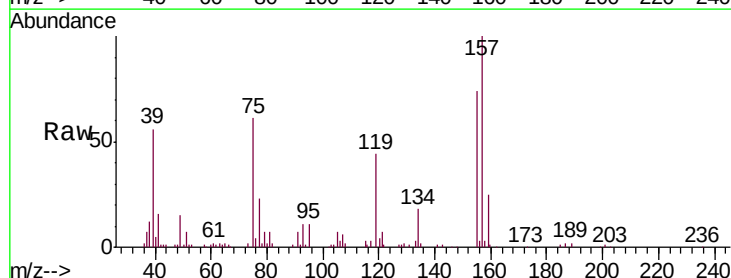


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

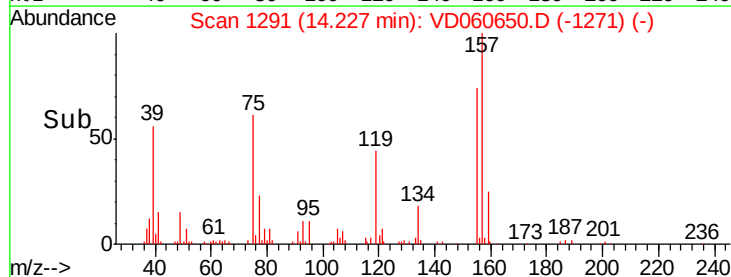
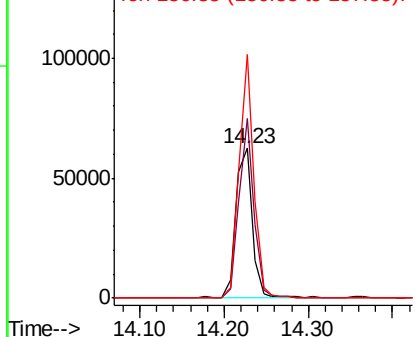


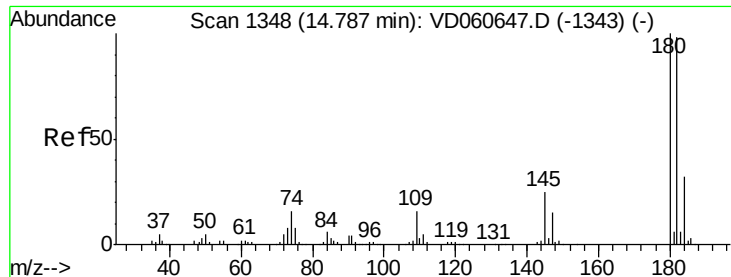
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 160.854 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Tgt Ion: 75 Resp: 85965
 Ion Ratio Lower Upper
 75 100
 155 120.0 61.6 184.8
 157 162.7 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

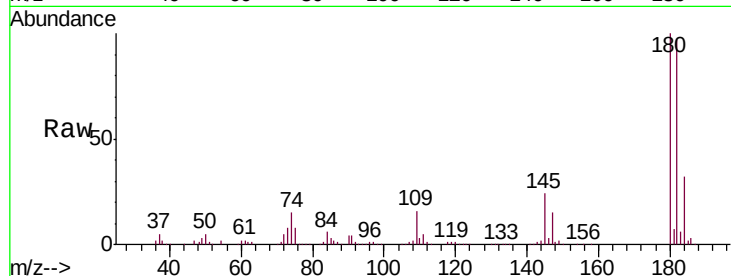




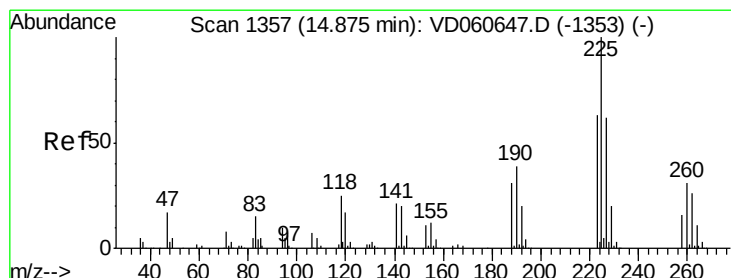
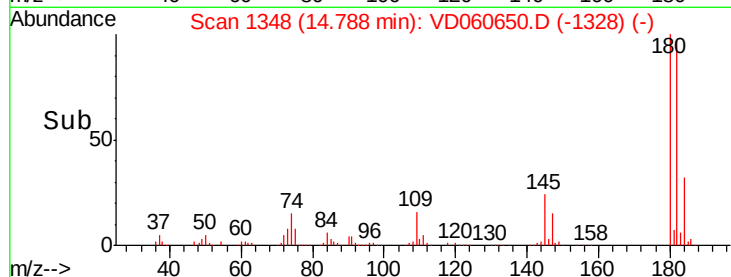
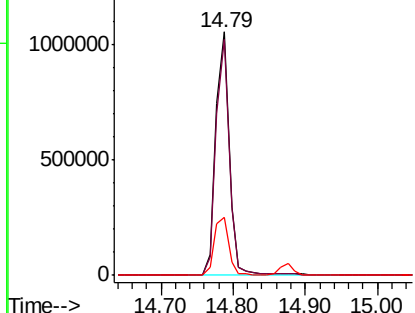
#93
 1,2,4-Trichlorobenzene
 Concen: 132.847 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 1367980
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.8 146.3
 145 23.7 12.6 37.6

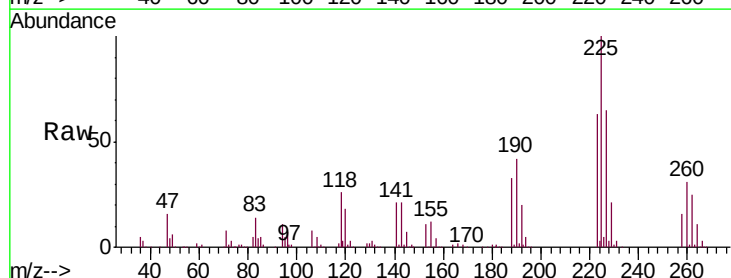


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

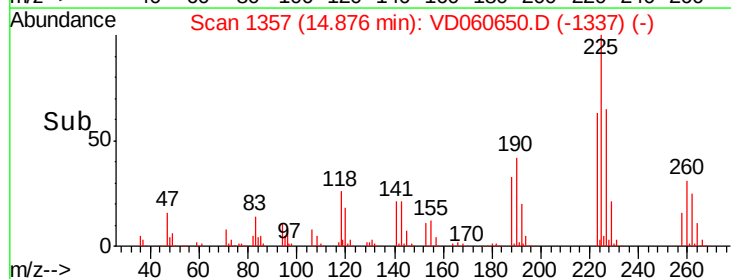
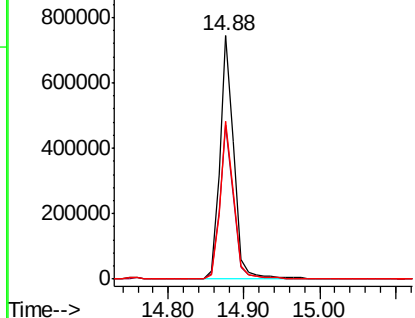


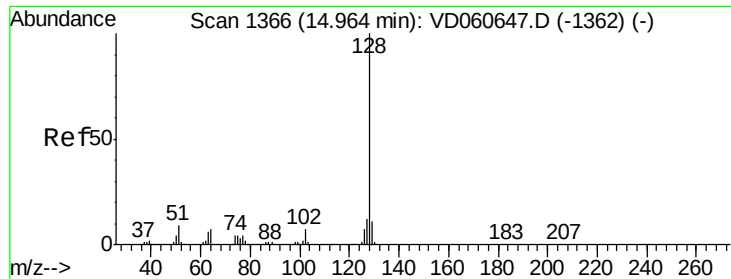
#94
 Hexachlorobutadiene
 Concen: 127.654 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VD060650.D
 Acq: 19 Dec 2018 20:56

Tgt Ion:225 Resp: 974784
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.6 94.7
 227 64.9 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

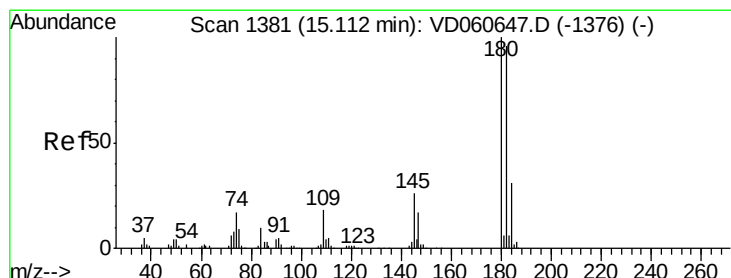
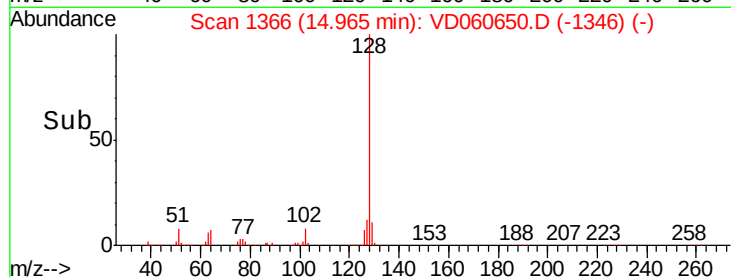
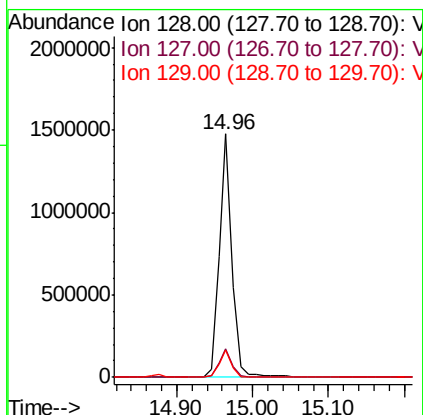
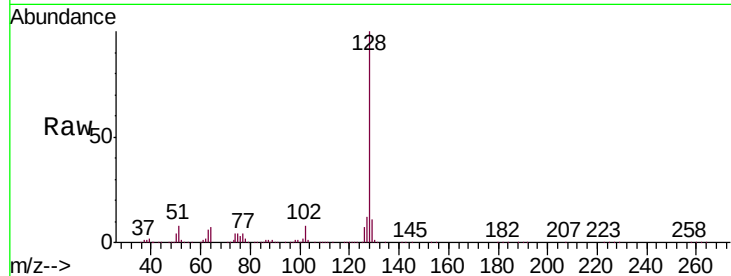




#95
Naphthalene
Concen: 144.575 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1754941
Ion Ratio Lower Upper
128 100
127 12.0 9.4 14.0
129 11.2 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 139.107 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VD060650.D
Acq: 19 Dec 2018 20:56

Tgt Ion:180 Resp: 1169599
Ion Ratio Lower Upper
180 100
182 98.0 48.1 144.4
145 26.3 13.2 39.6

