

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060619\
 Data File : VD062627.D
 Acq On : 6 Jun 2019 16:26
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 07 04:12:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	635211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	787599	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	696674	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	347368	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	46038	5.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.62%	
35) Dibromofluoromethane	6.94	113	44281	5.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.02%	
50) Toluene-d8	10.42	98	92244	5.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.54%	
62) 4-Bromofluorobenzene	13.56	95	46726	5.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	60618	7.752	ug/l	99
3) Chloromethane	1.75	50	39911	6.562	ug/l #	83
4) Vinyl Chloride	1.86	62	35915	5.991	ug/l	100
5) Bromomethane	2.15	94	21452	7.069	ug/l	94
6) Chloroethane	2.27	64	17623	5.712	ug/l	99
7) Trichlorofluoromethane	2.54	101	83021	6.250	ug/l	83
8) Diethyl Ether	2.88	74	10388	6.092	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.15	101	40813	5.410	ug/l #	82
10) Methyl Iodide	3.31	142	44789	4.764	ug/l #	97
11) Tert butyl alcohol	4.09	59	11047	29.261	ug/l #	70
12) 1,1-Dichloroethene	3.14	96	29142	5.355	ug/l	98
13) Acrolein	3.03	56	4831	35.383	ug/l #	78
14) Allyl chloride	3.63	41	45157	5.449	ug/l	90
15) Acrylonitrile	4.21	53	22309	26.586	ug/l #	78
16) Acetone	3.24	43	39868	25.430	ug/l	99
17) Carbon Disulfide	3.38	76	81665	5.143	ug/l	97
18) Methyl Acetate	3.65	43	18164	6.629	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	72489	5.442	ug/l	100
20) Methylene Chloride	3.83	84	35023	5.858	ug/l	94
21) trans-1,2-Dichloroethene	4.23	96	32854	5.477	ug/l	88
22) Diisopropyl ether	5.13	45	91192	5.233	ug/l	92
23) Vinyl Acetate	5.07	43	261163	24.362	ug/l #	95
24) 1,1-Dichloroethane	5.01	63	55547	5.010	ug/l #	94
25) 2-Butanone	6.09	43	36287	24.904	ug/l	95
26) 2,2-Dichloropropane	6.03	77	60113	4.963	ug/l	87
27) cis-1,2-Dichloroethene	6.04	96	32108	5.056	ug/l	89
28) Bromochloromethane	6.44	49	23542	5.570	ug/l	89
29) Tetrahydrofuran	6.47	42	17496	25.743	ug/l	94
30) Chloroform	6.67	83	73329	5.283	ug/l	96
31) Cyclohexane	6.97	56	37423	5.250	ug/l #	89
32) 1,1,1-Trichloroethane	6.89	97	81764	5.803	ug/l	92
36) 1,1-Dichloropropene	7.15	75	46032	5.399	ug/l #	84
37) Ethyl Acetate	6.20	43	33509	9.807	ug/l #	91
38) Carbon Tetrachloride	7.12	117	81985	6.454	ug/l	95

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 Data File : VD062627.D
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 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Quant Time: Jun 07 04:12:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	39692	5.556	ug/l	94
40) Benzene	7.47	78	94879	5.764	ug/l	99
41) Methacrylonitrile	6.46	41	24162	5.520	ug/l #	82
42) 1,2-Dichloroethane	7.59	62	58079	5.907	ug/l	99
43) Isopropyl Acetate	9.26	43	25207	5.428	ug/l #	86
44) Trichloroethene	8.55	130	38594	5.682	ug/l	91
45) 1,2-Dichloropropane	8.96	63	24492	5.984	ug/l	97
46) Dibromomethane	9.07	93	21201	5.840	ug/l	88
47) Bromodichloromethane	9.39	83	54759	5.627	ug/l #	98
48) Methyl methacrylate	9.14	41	18744	5.981	ug/l	89
49) 1,4-Dioxane	9.11	88	2707	107.796	ug/l #	74
51) 4-Methyl-2-Pentanone	10.31	43	98123	31.998	ug/l	92
52) Toluene	10.52	92	62468	5.624	ug/l	81
53) t-1,3-Dichloropropene	10.93	75	43502	5.336	ug/l	93
54) cis-1,3-Dichloropropene	10.06	75	45718	5.540	ug/l	94
55) 1,1,2-Trichloroethane	11.20	97	26864	7.090	ug/l #	83
56) Ethyl methacrylate	11.05	69	21339	5.211	ug/l	90
57) 1,3-Dichloropropane	11.42	76	33145	5.682	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	70163	32.599	ug/l	90
59) 2-Hexanone	11.54	43	65119	28.160	ug/l	91
60) Dibromochloromethane	11.69	129	42353	5.721	ug/l	87
61) 1,2-Dibromoethane	11.82	107	24864	5.377	ug/l	93
64) Tetrachloroethene	11.27	164	37969	6.109	ug/l	92
65) Chlorobenzene	12.41	112	71247	4.978	ug/l	93
66) 1,1,1,2-Tetrachloroethane	12.53	131	38958	5.643	ug/l	95
67) Ethyl Benzene	12.53	91	142405	5.466	ug/l	95
68) m/p-Xylenes	12.68	106	95905	10.611	ug/l	78
69) o-Xylene	13.06	106	46535	5.370	ug/l	98
70) Styrene	13.08	104	76370	5.227	ug/l	96
71) Bromoform	13.25	173	25019	5.305	ug/l #	88
73) Isopropylbenzene	13.41	105	151683	6.322	ug/l	100
74) N-amyl acetate	13.28	43	31085	5.009	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	25676	6.417	ug/l	93
76) 1,2,3-Trichloropropane	13.74	75	27287	5.999	ug/l	78
77) Bromobenzene	13.68	156	41242	6.218	ug/l	74
78) n-propylbenzene	13.78	91	171383	6.084	ug/l	93
79) 2-Chlorotoluene	13.85	91	99524	5.914	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	124407	5.884	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	5386	4.676	ug/l #	48
82) 4-Chlorotoluene	13.96	91	123299	6.140	ug/l	85
83) tert-Butylbenzene	14.20	119	144445	6.304	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	119270	5.634	ug/l	93
85) sec-Butylbenzene	14.38	105	146571	6.175	ug/l	94
86) p-Isopropyltoluene	14.50	119	143858	6.310	ug/l	100
87) 1,3-Dichlorobenzene	14.47	146	73326	6.414	ug/l	93
88) 1,4-Dichlorobenzene	14.55	146	67998	5.945	ug/l	95
89) n-Butylbenzene	14.80	91	127598	6.126	ug/l	93
90) Hexachloroethane	15.02	117	34038	5.718	ug/l	95
91) 1,2-Dichlorobenzene	14.82	146	61342	5.977	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	5063	6.170	ug/l #	73

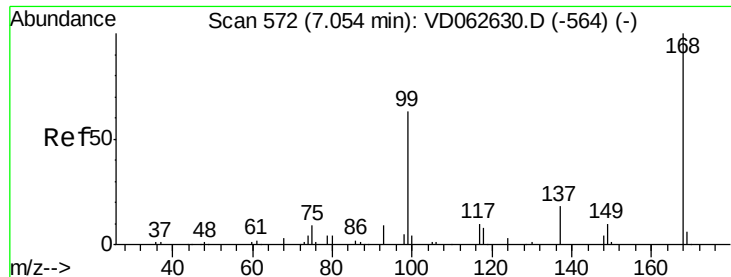
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060619\
Data File : VD062627.D
Acq On : 6 Jun 2019 16:26
Operator : FY/SY
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jun 07 04:12:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060619S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 07 04:07:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	45065	5.950	ug/l	95
94) Hexachlorobutadiene	16.04	225	35202	6.200	ug/l	97
95) Naphthalene	16.13	128	59307	5.519	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	34016	5.947	ug/l	94

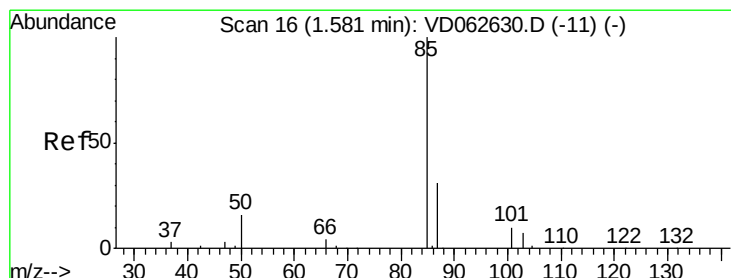
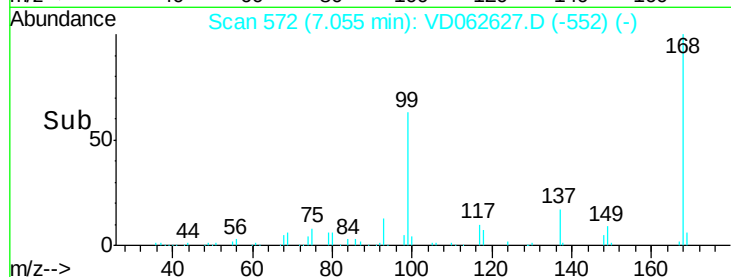
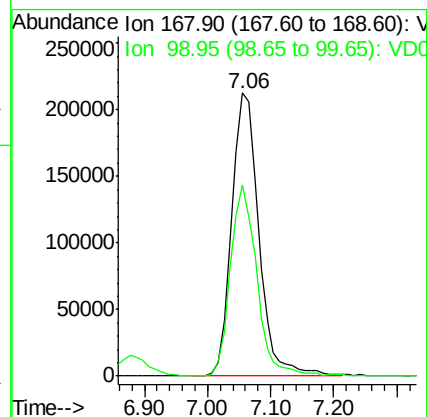
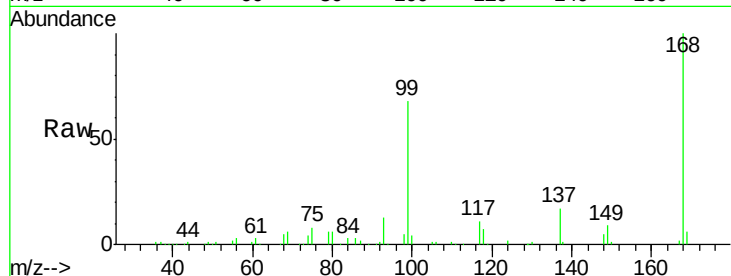
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

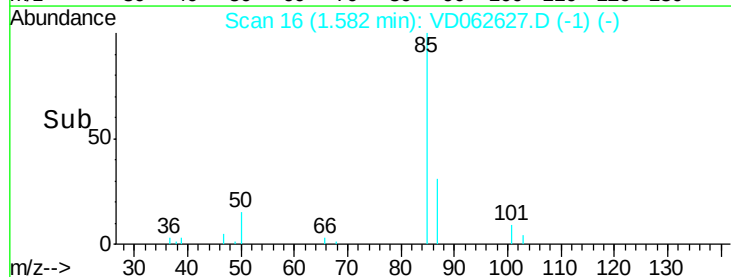
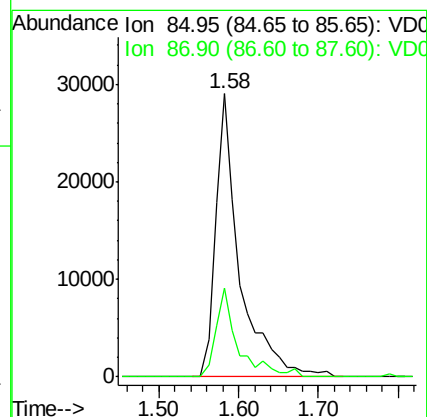
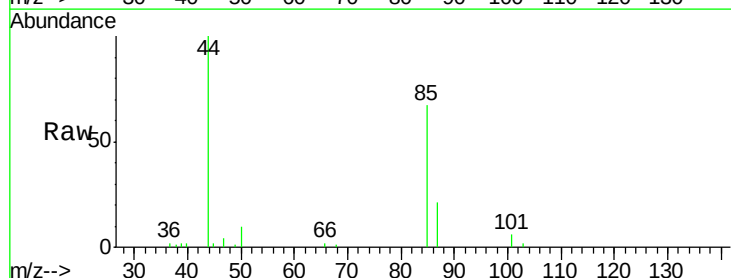
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

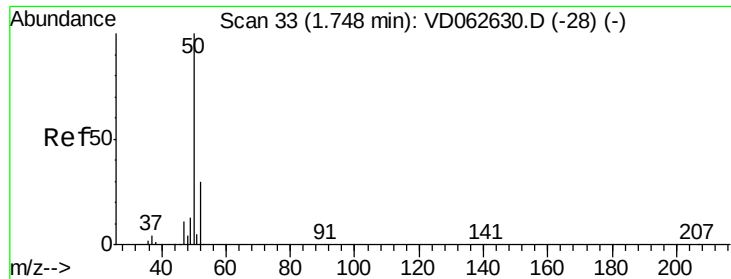
Tot Ion:168 Resp: 635211
Ion Ratio Lower Upper
168 100
99 67.6 52.1 78.1



#2
Dichlorodifluoromethane
Concen: 7.752 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion: 85 Resp: 60618
Ion Ratio Lower Upper
85 100
87 31.4 15.4 46.2





#3

Chloromethane

Concen: 6.562 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

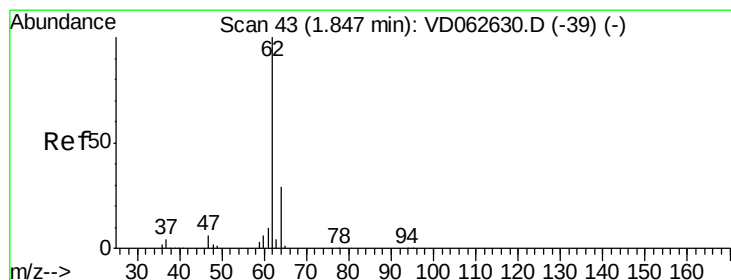
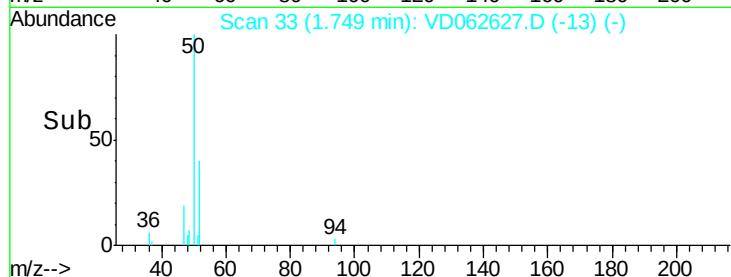
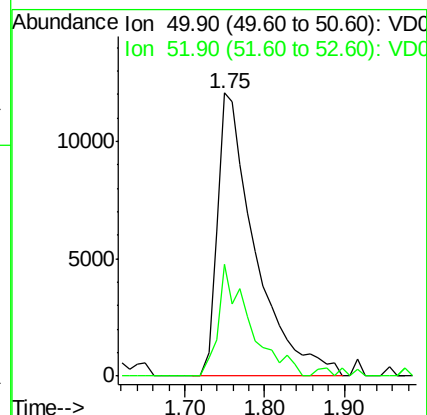
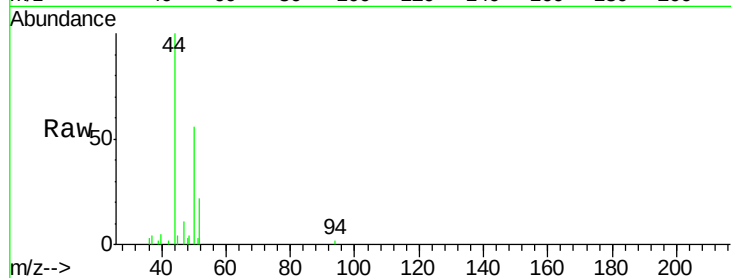
VSTDIC005

Tot Ion: 50 Resp: 39911

Ion Ratio Lower Upper

50 100

52 39.5 24.2 36.2#



#4

Vinyl Chloride

Concen: 5.991 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD062627.D

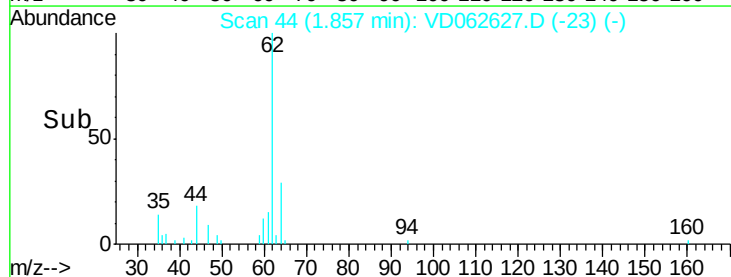
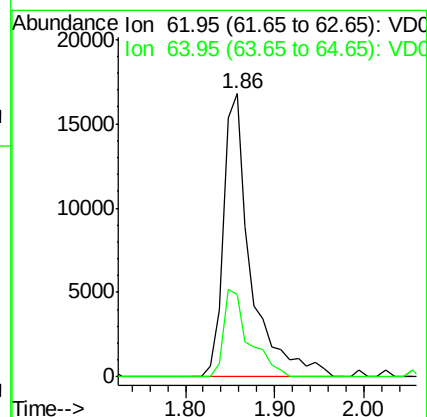
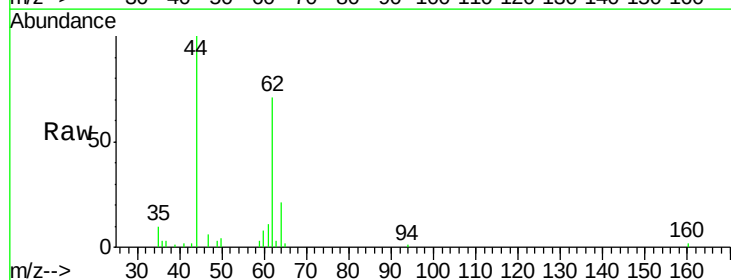
Acq: 6 Jun 2019 16:26

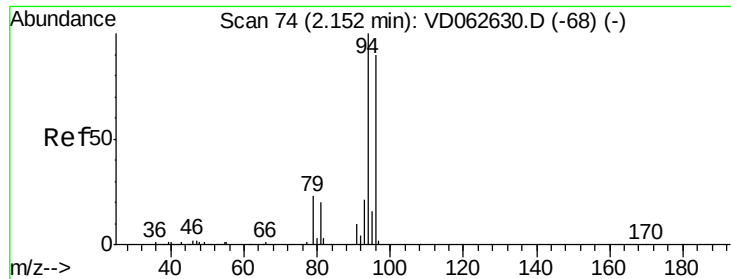
Tgt Ion: 62 Resp: 35915

Ion Ratio Lower Upper

62 100

64 29.2 23.3 34.9





#5

Bromomethane

Concen: 7.069 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

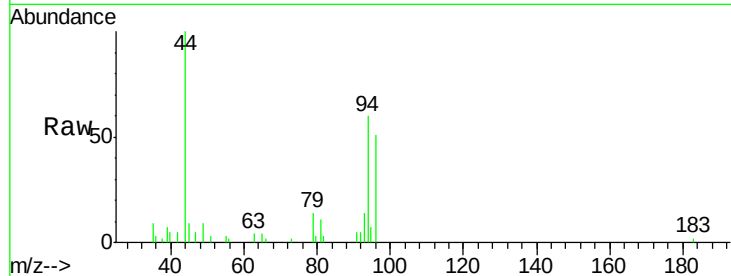
Tot Ion: 94 Resp: 21452

Ion Ratio Lower Upper

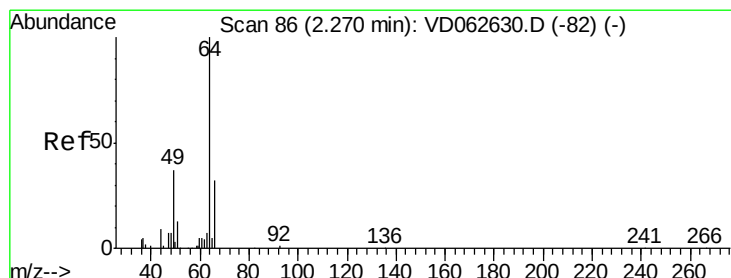
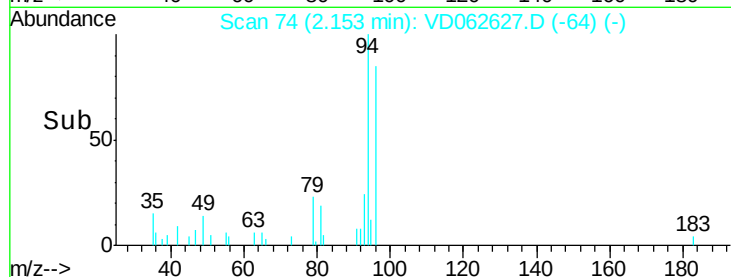
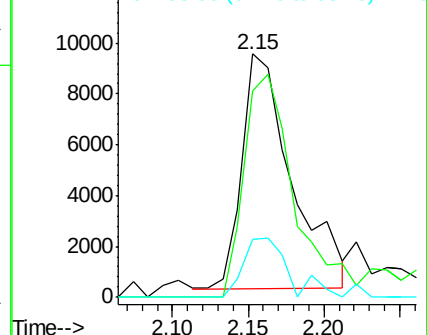
94 100

96 85.0 72.2 108.4

93 24.0 17.0 25.6



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 5.712 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD062627.D

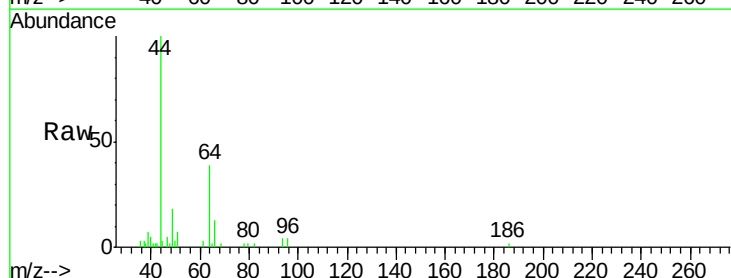
Acq: 6 Jun 2019 16:26

Tgt Ion: 64 Resp: 17623

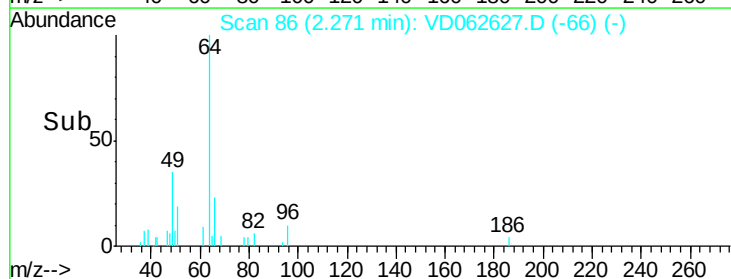
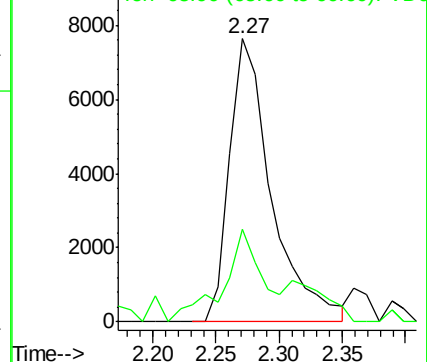
Ion Ratio Lower Upper

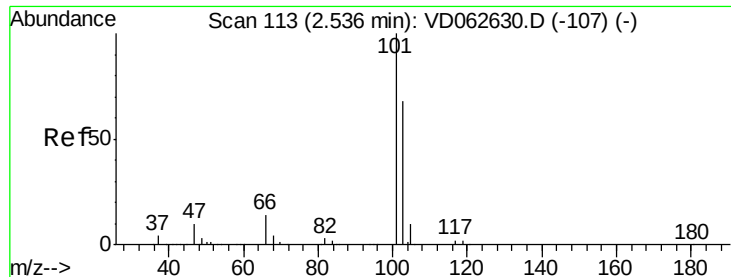
64 100

66 32.7 25.5 38.3



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



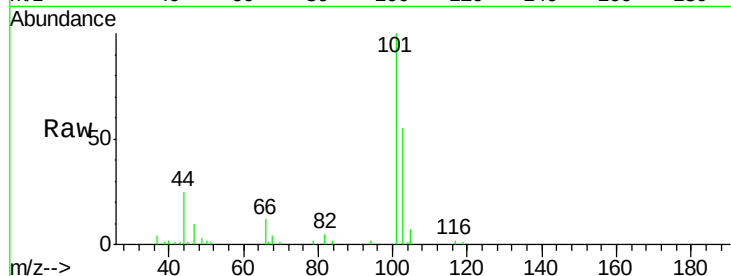


#7

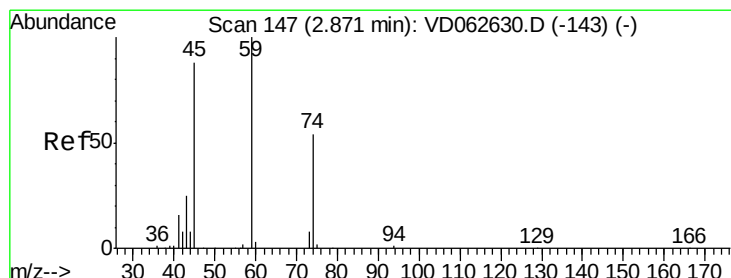
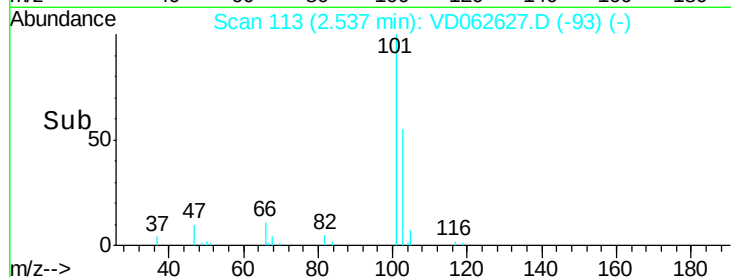
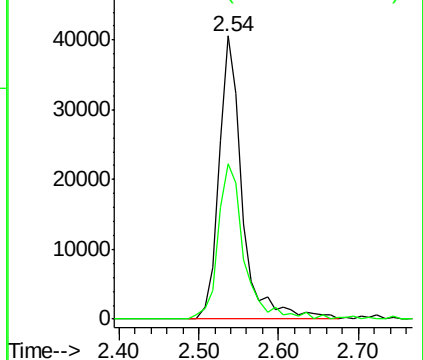
Trichlorofluoromethane
Concen: 6.250 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 83021
Ion Ratio Lower Upper
101 100
103 54.7 54.6 81.8



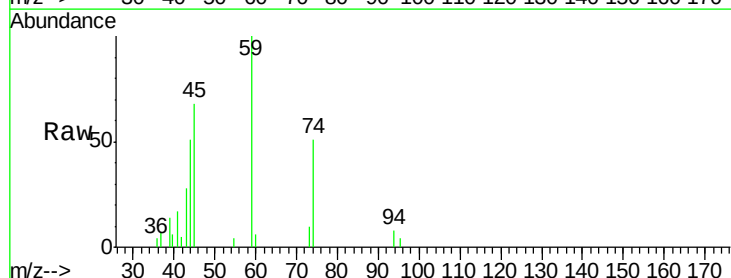
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



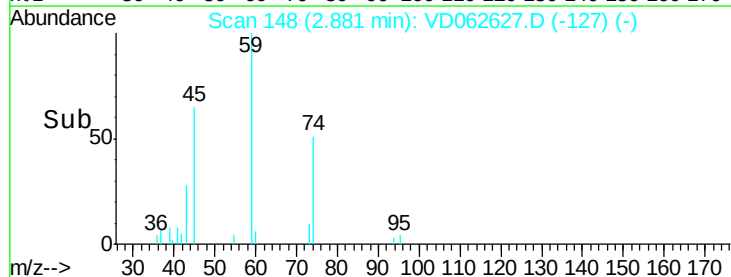
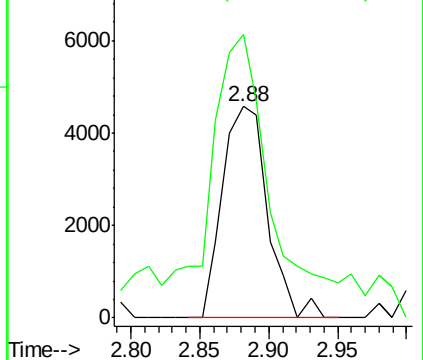
#8

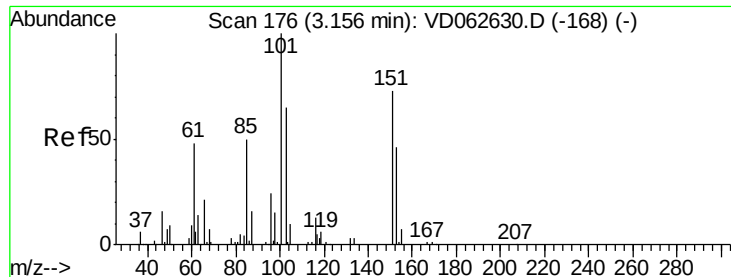
Diethyl Ether
Concen: 6.092 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion: 74 Resp: 10388
Ion Ratio Lower Upper
74 100
45 134.1 82.5 247.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.410 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

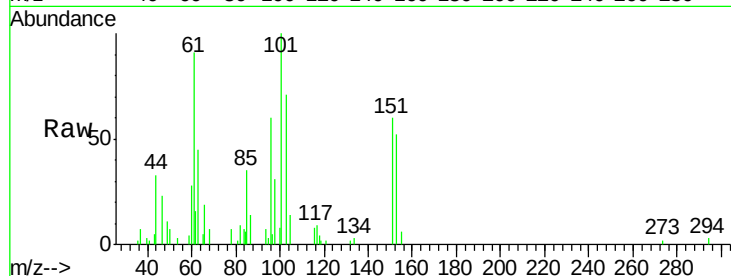
Tot Ion:101 Resp: 40813

Ion Ratio Lower Upper

101 100

85 35.0 39.8 59.6#

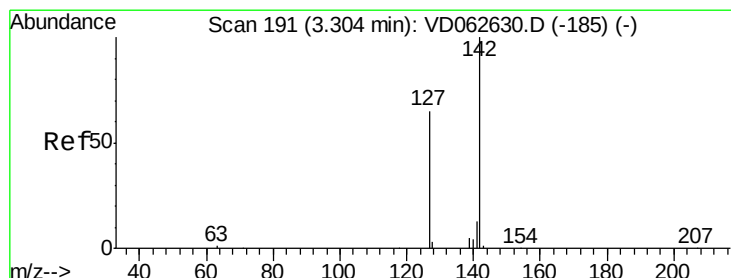
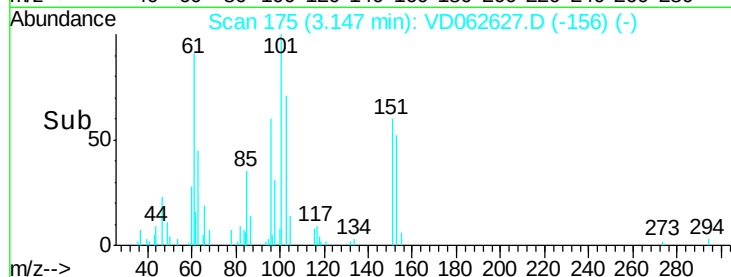
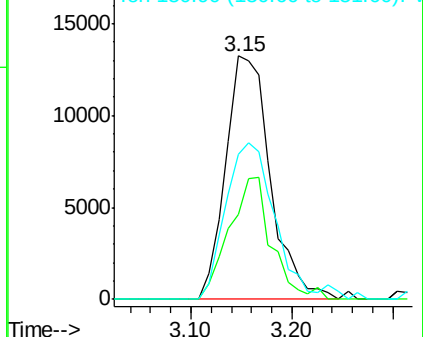
151 59.7 58.4 87.6



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



#10

Methyl Iodide

Concen: 4.764 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

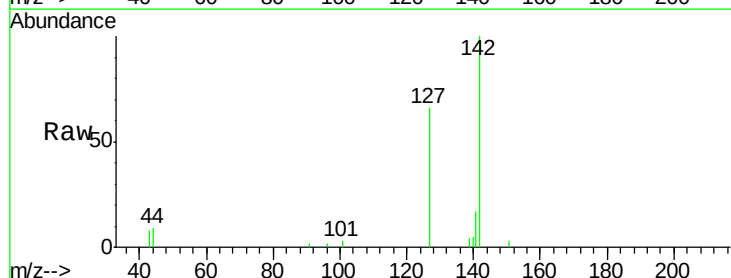
Tgt Ion:142 Resp: 44789

Ion Ratio Lower Upper

142 100

127 66.1 52.1 78.1

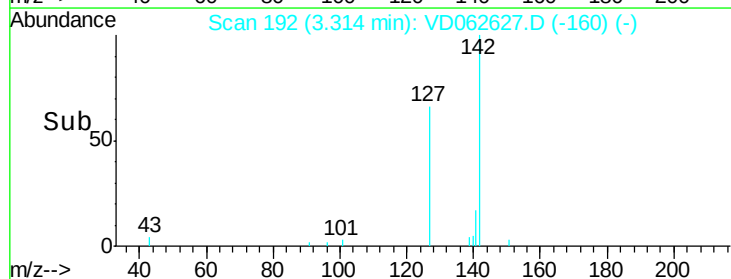
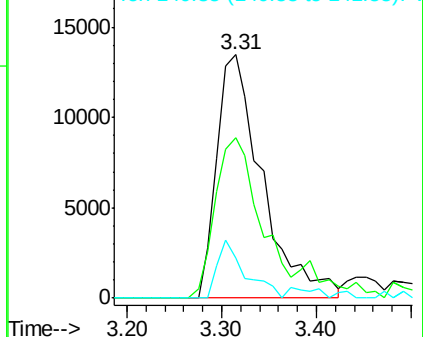
141 16.6 10.3 15.5#

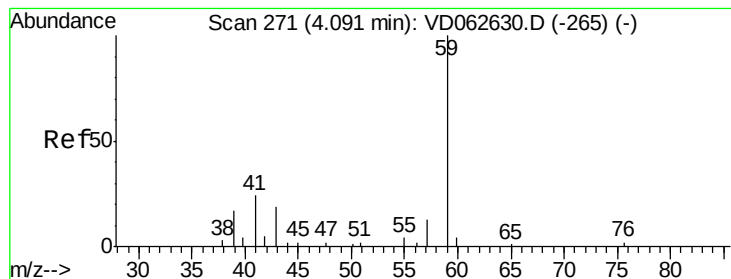


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



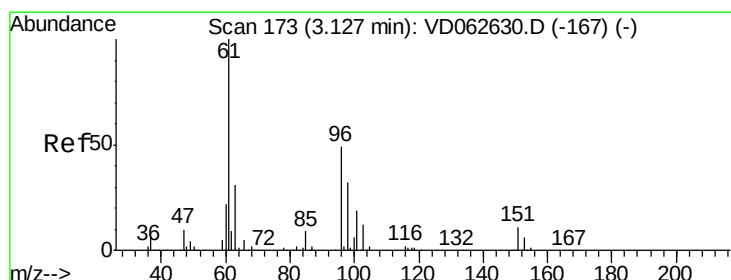
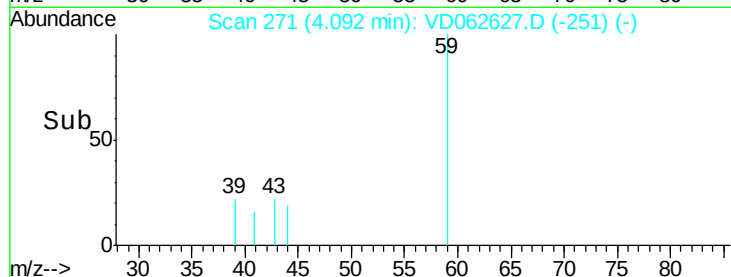
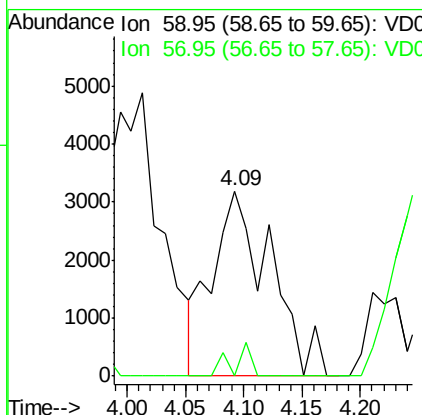
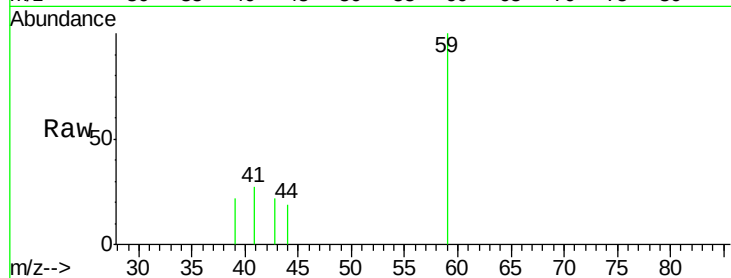


#11

Tert butyl alcohol
Concen: 29.261 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

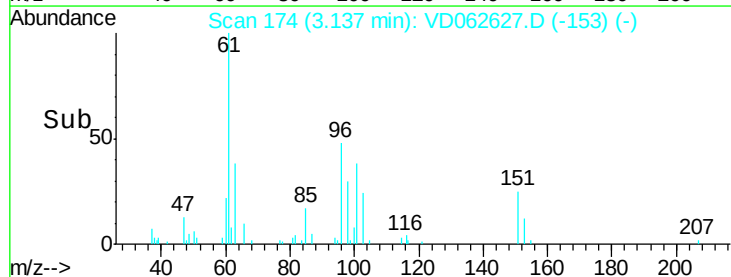
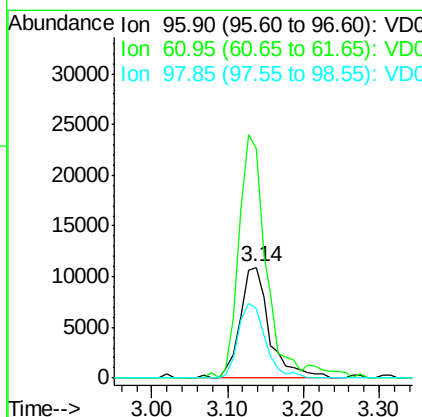
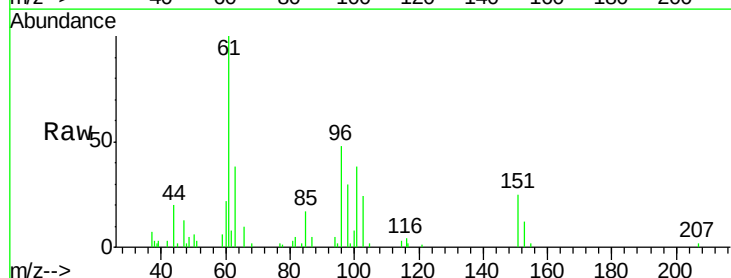
Tot Ion: 59 Resp: 11047
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

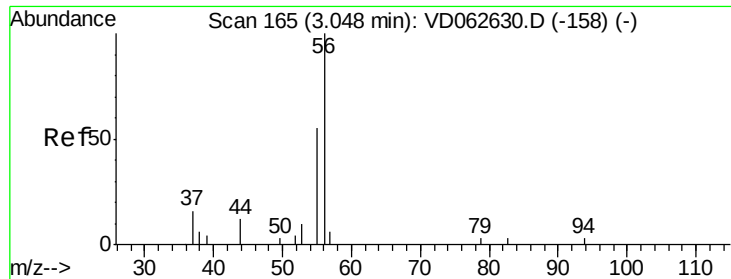


#12

1,1-Dichloroethene
Concen: 5.355 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.01 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion: 96 Resp: 29142
Ion Ratio Lower Upper
96 100
61 207.4 163.6 245.4
98 62.2 52.5 78.7

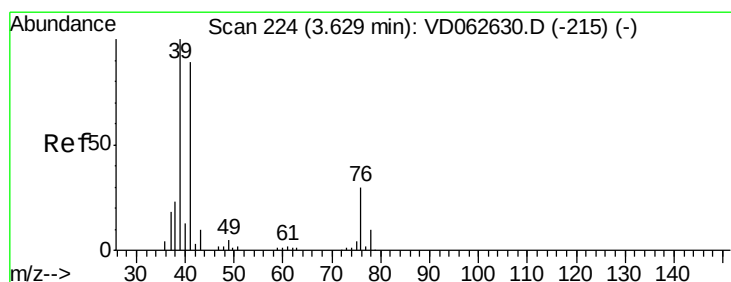
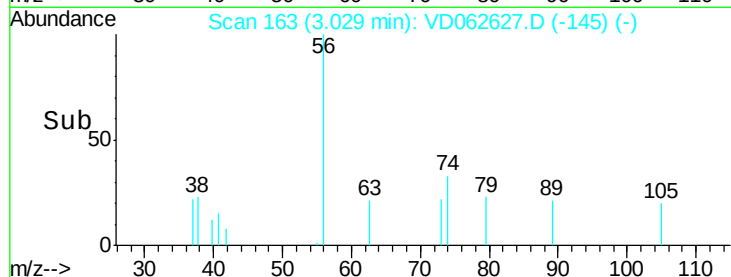
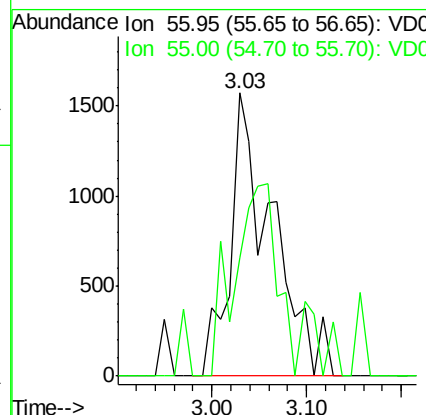
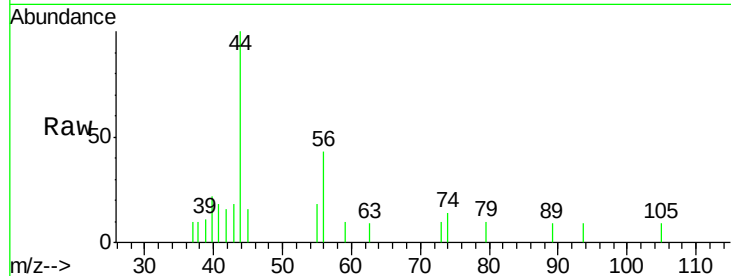




#13
Acrolein
Concen: 35.383 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.02 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

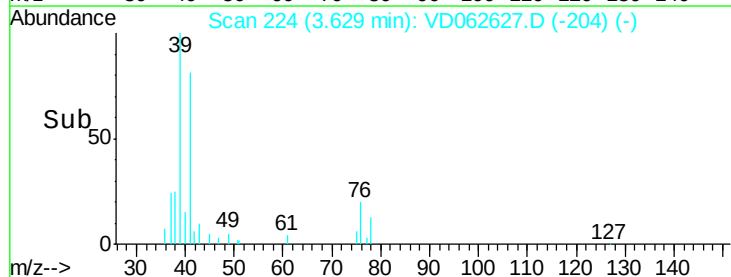
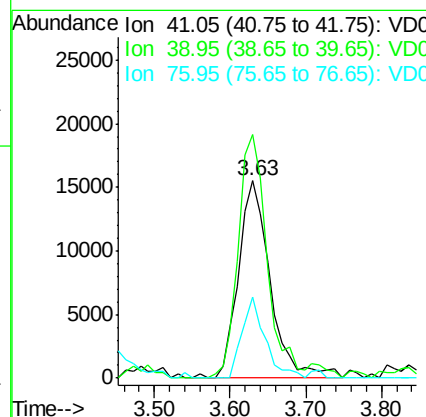
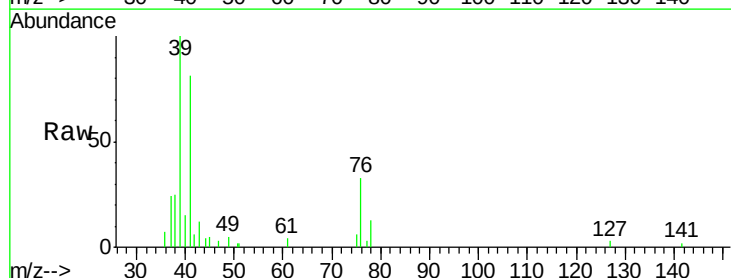
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

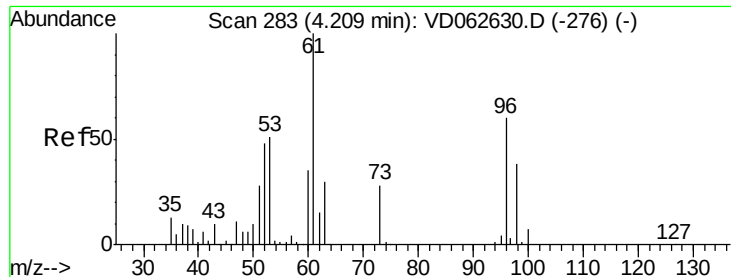
Tot Ion: 56 Resp: 4831
Ion Ratio Lower Upper
56 100
55 41.7 46.3 69.5#



#14
Allyl chloride
Concen: 5.449 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion: 41 Resp: 45157
Ion Ratio Lower Upper
41 100
39 123.6 90.1 135.1
76 41.3 28.9 43.3





#15

Acrylonitrile

Concen: 26.586 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

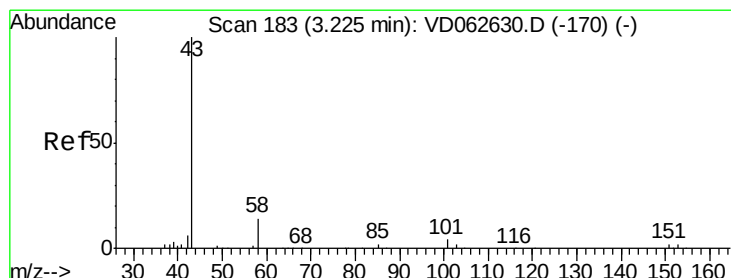
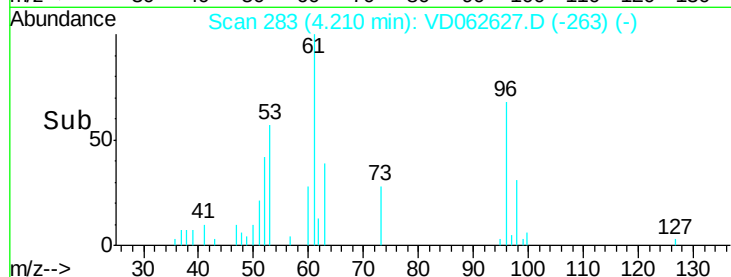
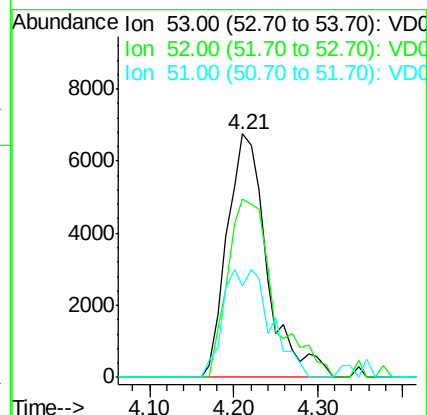
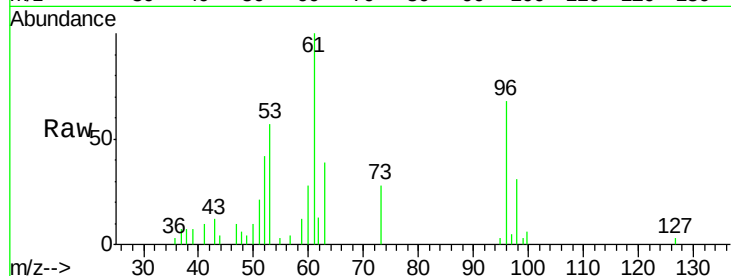
Tot Ion: 53 Resp: 22309

Ion Ratio Lower Upper

53 100

52 73.4 74.8 112.2#

51 37.6 43.9 65.9#



#16

Acetone

Concen: 25.430 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062627.D

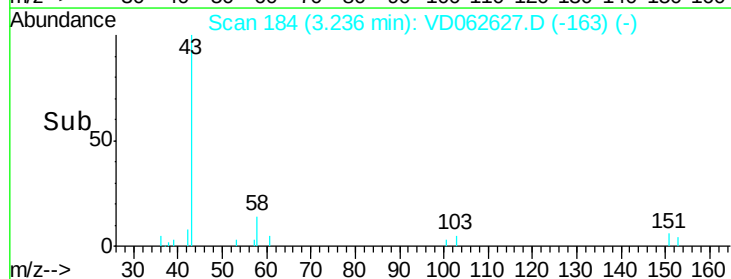
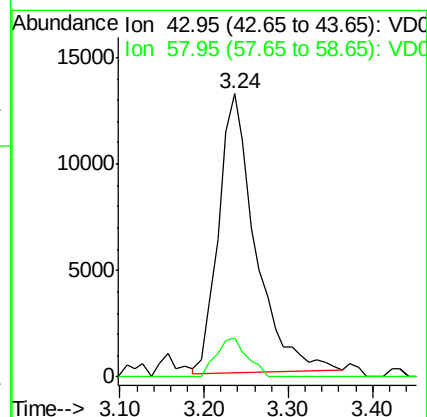
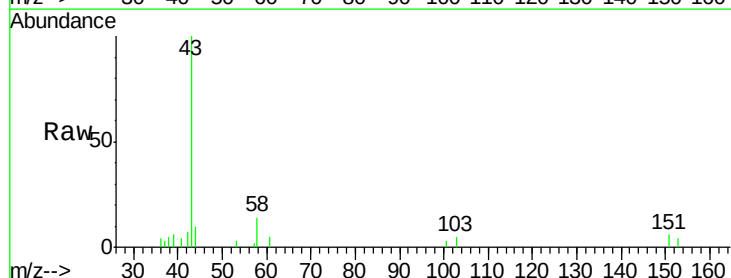
Acq: 6 Jun 2019 16:26

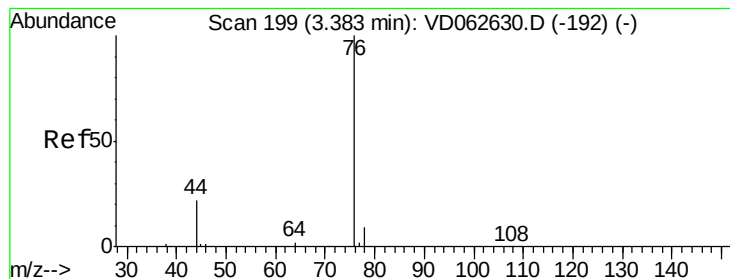
Tgt Ion: 43 Resp: 39868

Ion Ratio Lower Upper

43 100

58 13.6 11.3 16.9





#17

Carbon Disulfide

Concen: 5.143 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

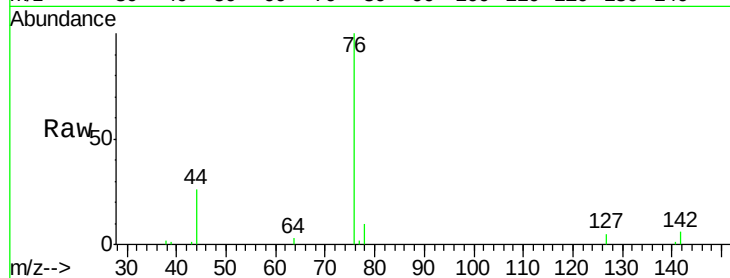
VSTDIC005

Tot Ion: 76 Resp: 81665

Ion Ratio Lower Upper

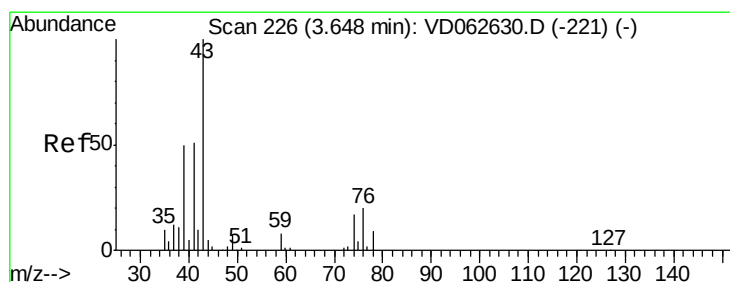
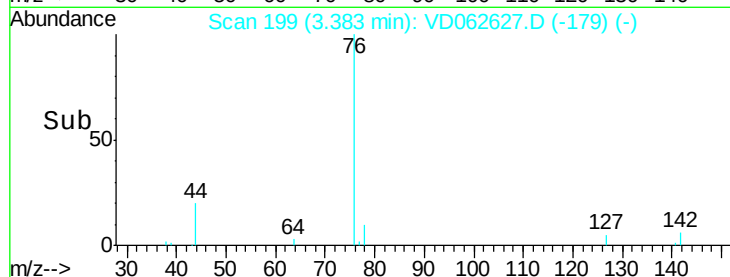
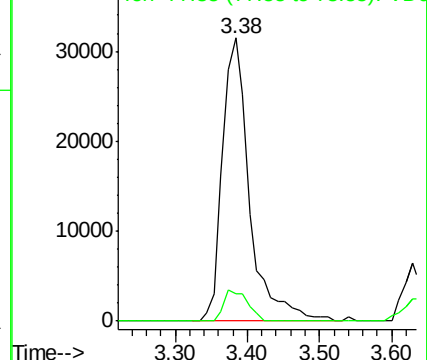
76 100

78 9.9 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 6.629 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD062627.D

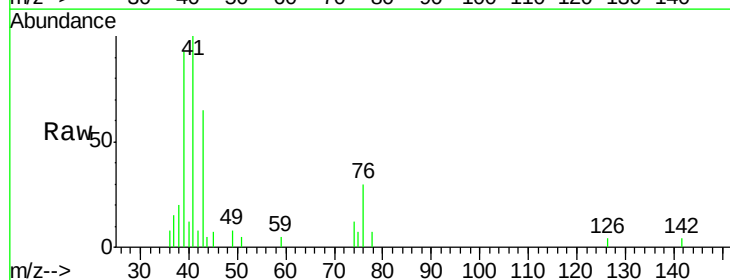
Acq: 6 Jun 2019 16:26

Tgt Ion: 43 Resp: 18164

Ion Ratio Lower Upper

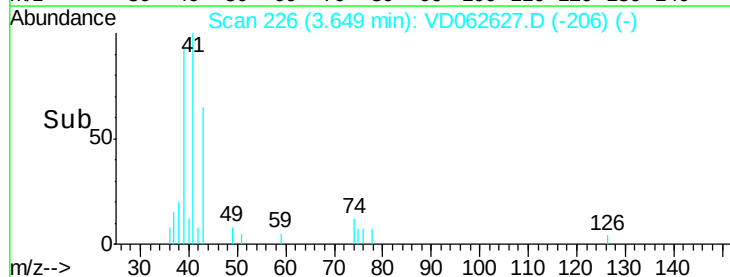
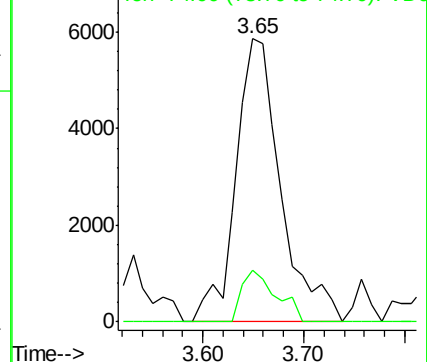
43 100

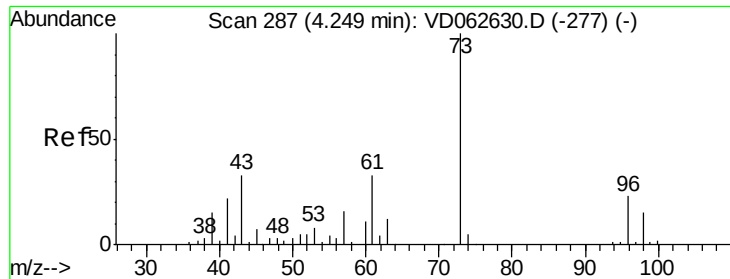
74 18.4 13.4 20.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

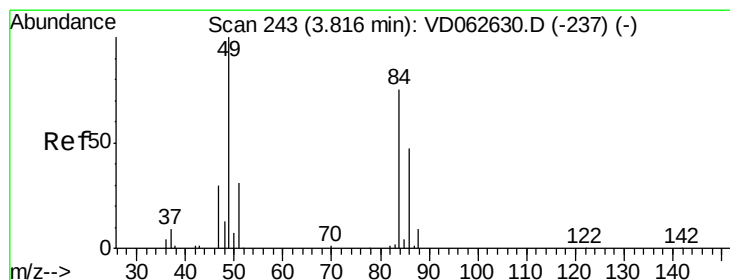
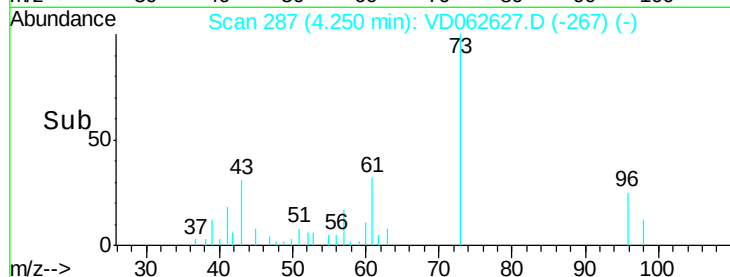
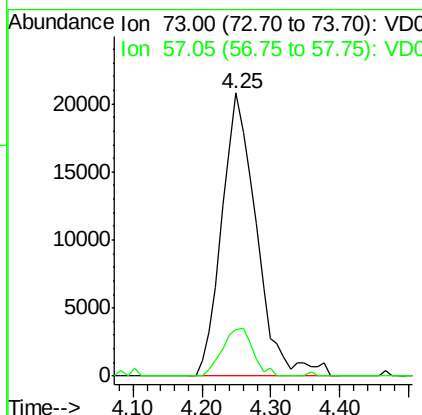
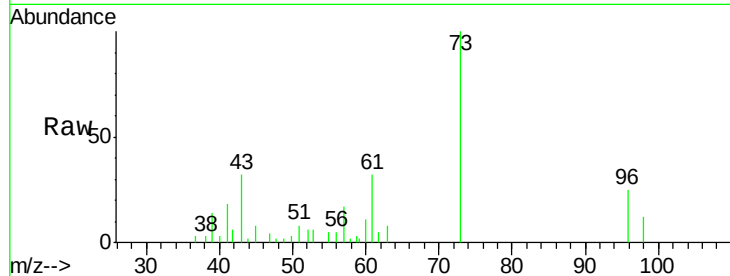




#19
Methyl tert-butyl Ether
Concen: 5.442 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

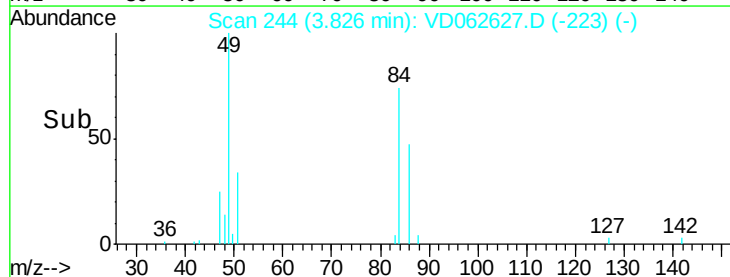
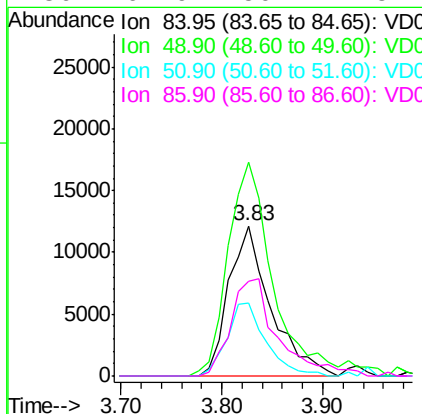
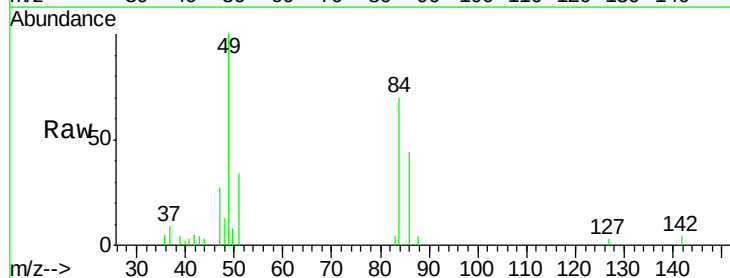
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

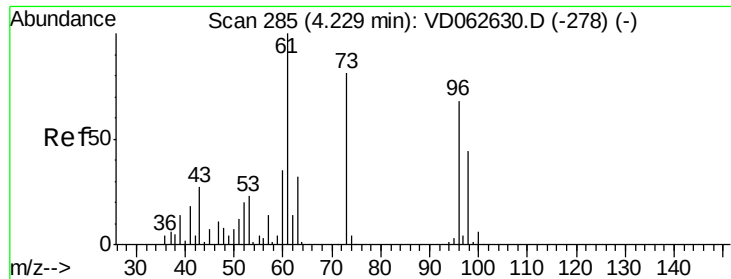
Tot Ion: 73 Resp: 72489
Ion Ratio Lower Upper
73 100
57 16.6 13.4 20.0



#20
Methylene Chloride
Concen: 5.858 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion: 84 Resp: 35023
Ion Ratio Lower Upper
84 100
49 142.2 107.1 160.7
51 48.7 33.5 50.3
86 62.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 5.477 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

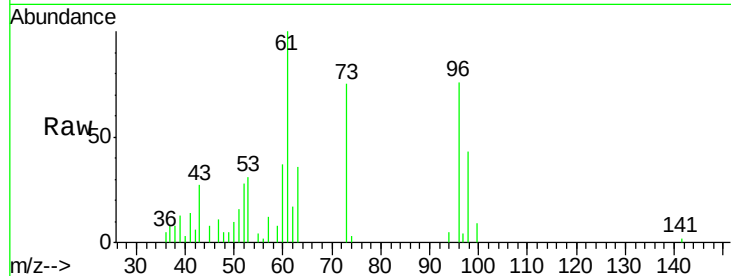
Tot Ion: 96 Resp: 32854

Ion Ratio Lower Upper

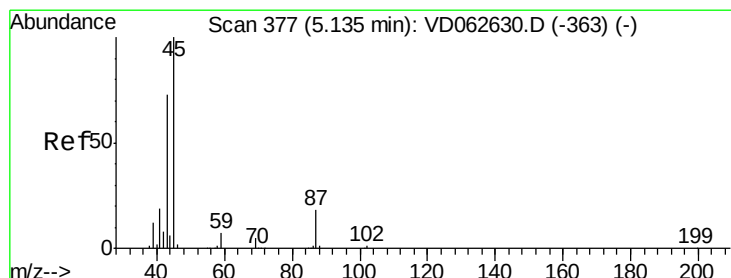
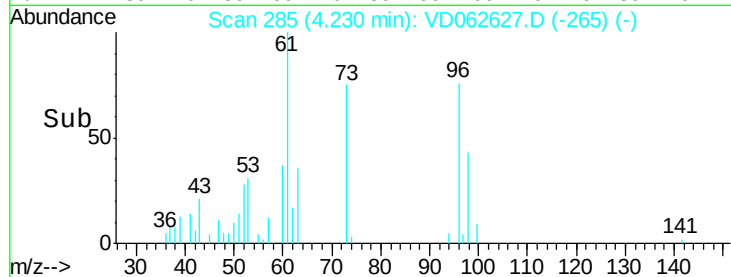
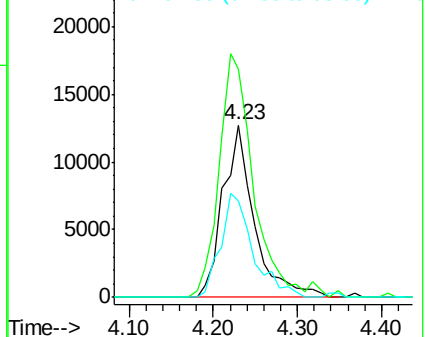
96 100

61 132.4 118.0 177.0

98 56.3 51.8 77.8



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: 5.233 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Tgt Ion: 45 Resp: 91192

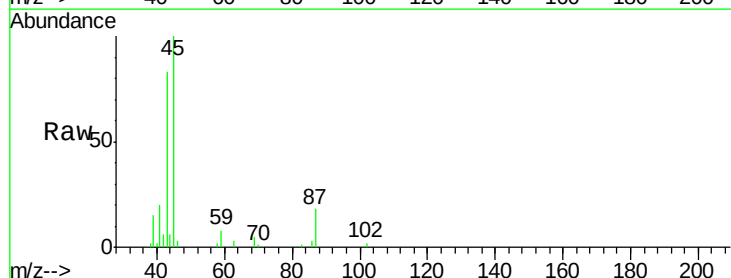
Ion Ratio Lower Upper

45 100

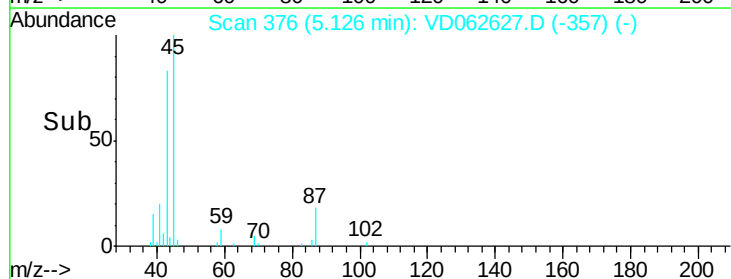
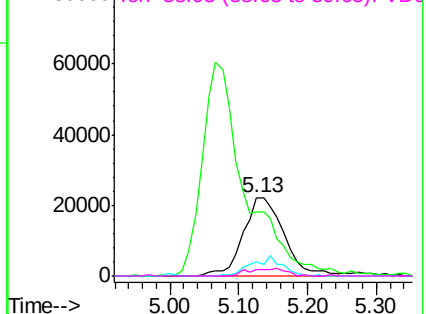
43 82.6 58.7 88.1

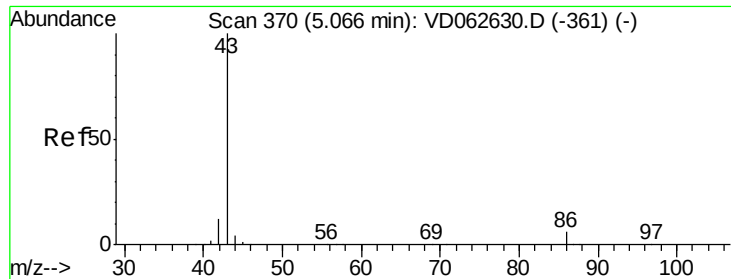
87 18.0 14.6 21.8

59 8.2 6.4 9.6



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: 24.362 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

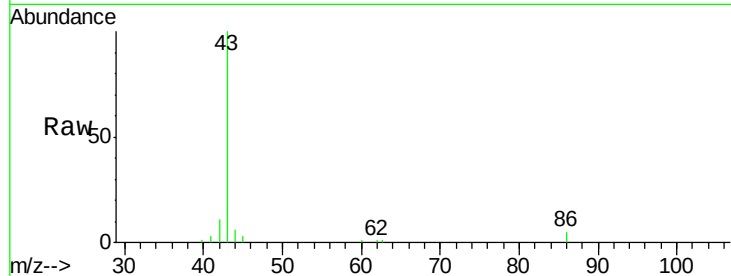
VSTDIC005

Tot Ion: 43 Resp: 261163

Ion Ratio Lower Upper

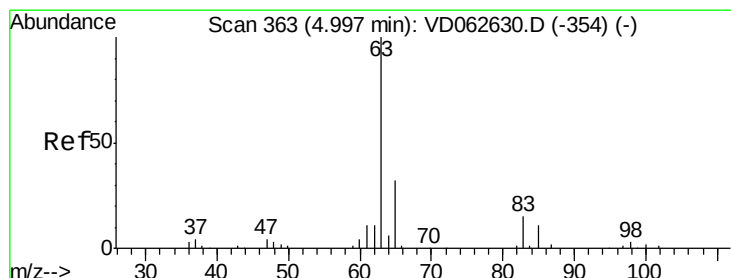
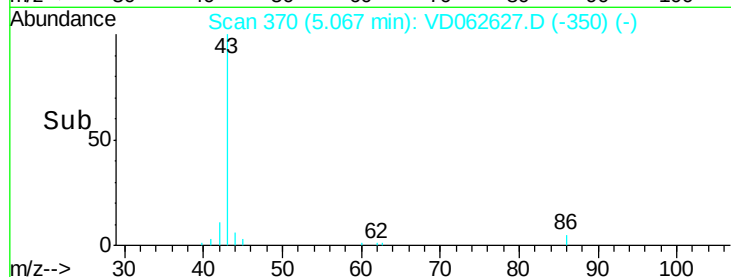
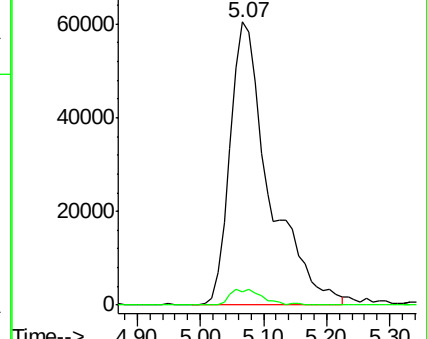
43 100

86 4.7 5.0 7.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.010 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

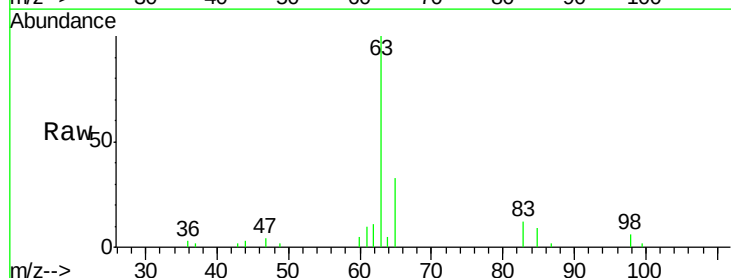
Tgt Ion: 63 Resp: 55547

Ion Ratio Lower Upper

63 100

98 5.7 1.7 5.1#

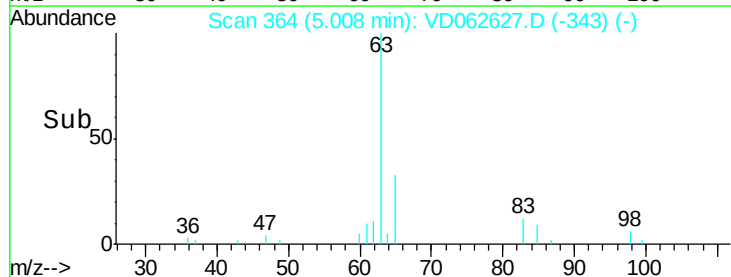
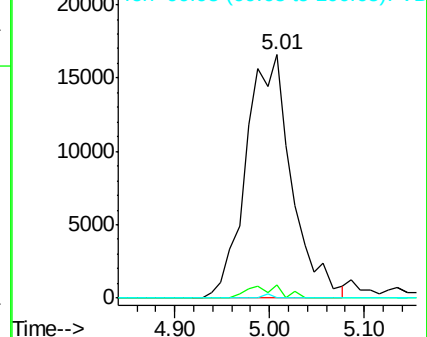
100 0.0 1.0 3.0#

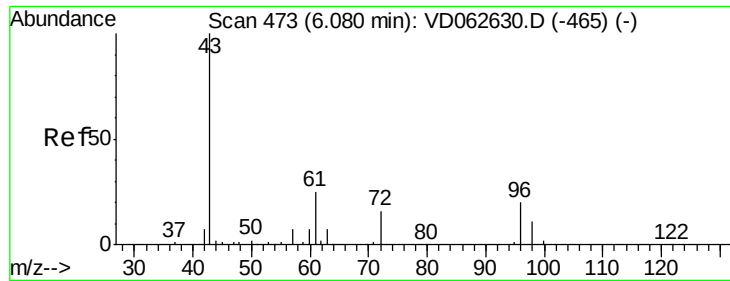


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 24.904 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

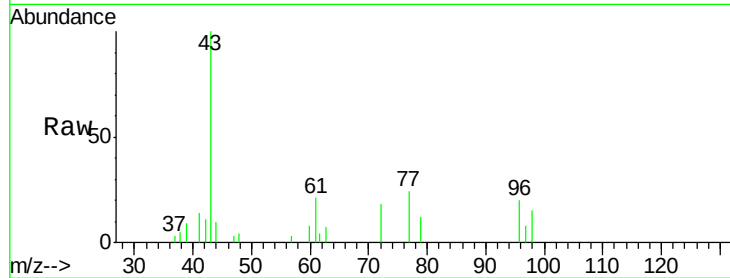
VSTDIC005

Tot Ion: 43 Resp: 36287

Ion Ratio Lower Upper

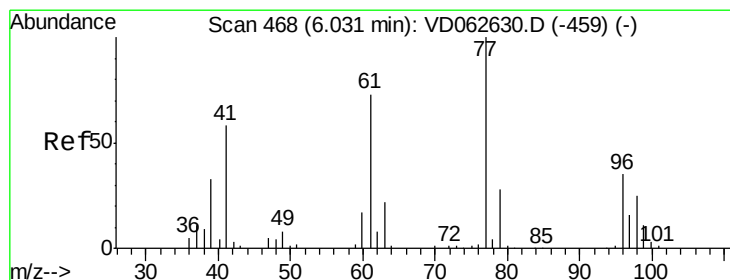
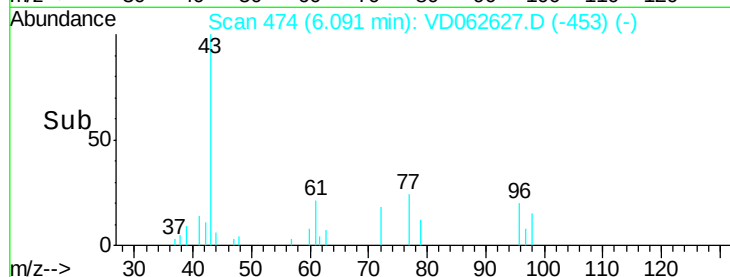
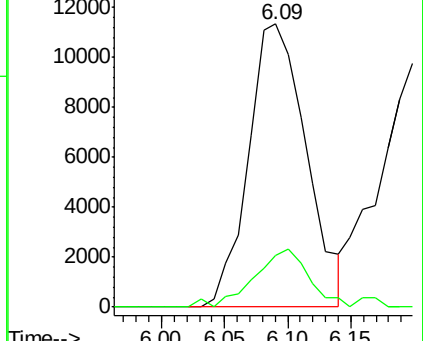
43 100

72 18.1 12.9 19.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 4.963 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD062627.D

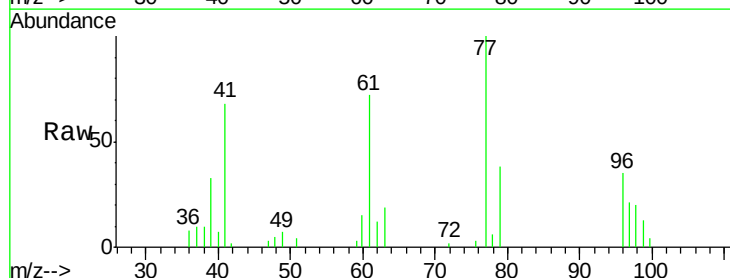
Acq: 6 Jun 2019 16:26

Tgt Ion: 77 Resp: 60113

Ion Ratio Lower Upper

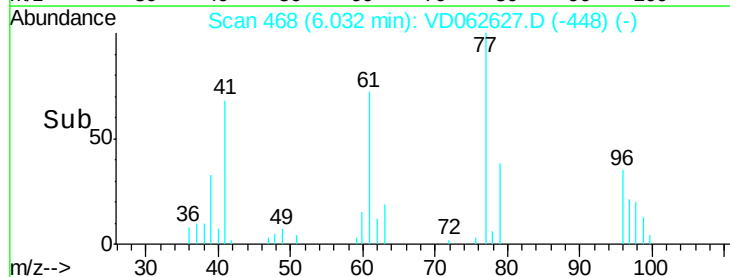
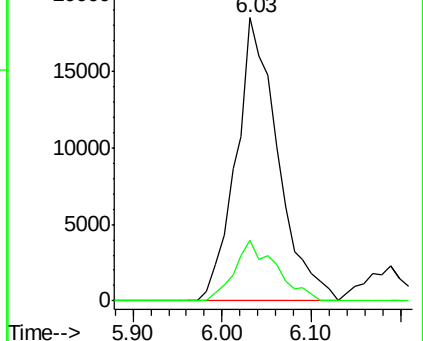
77 100

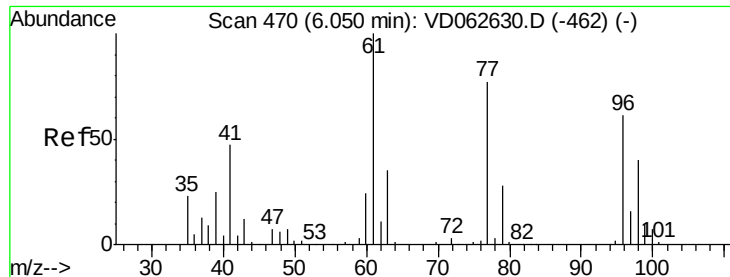
97 21.3 7.9 23.7



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



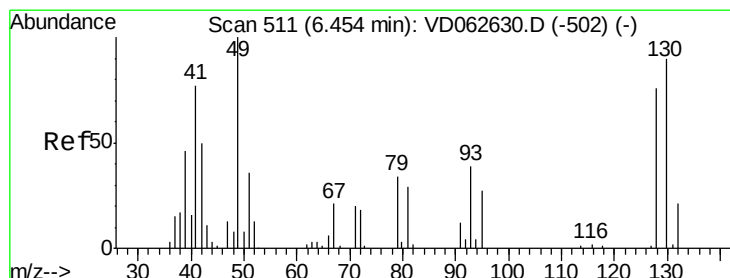
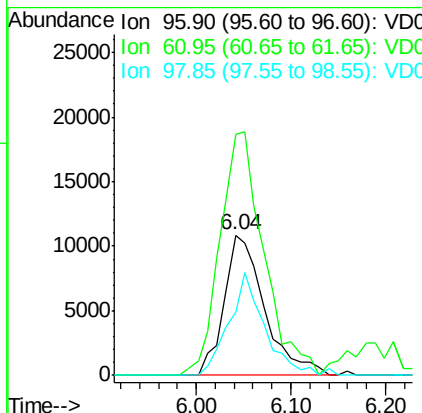
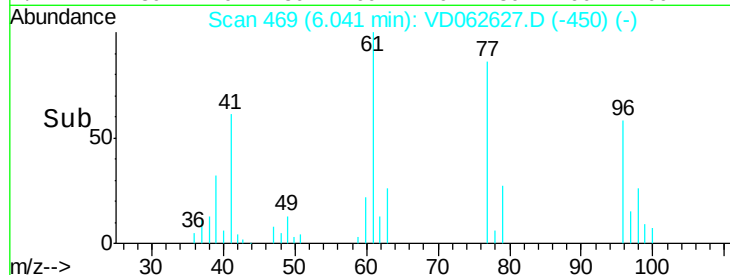
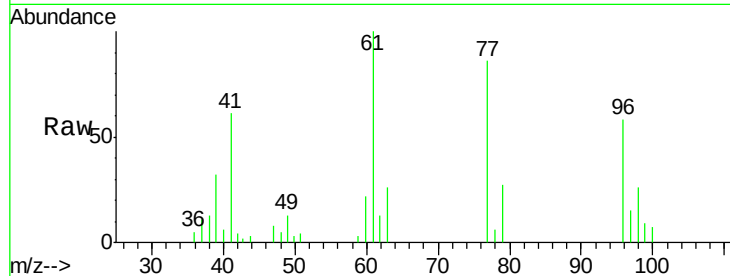


#27

cis-1,2-Dichloroethene
Concen: 5.056 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

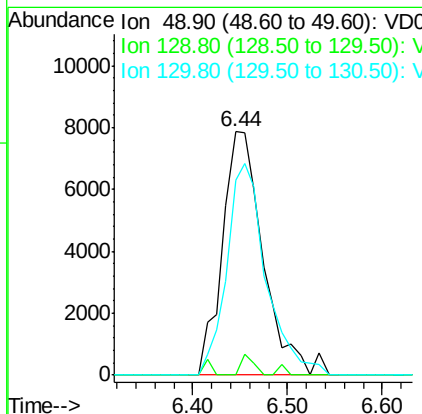
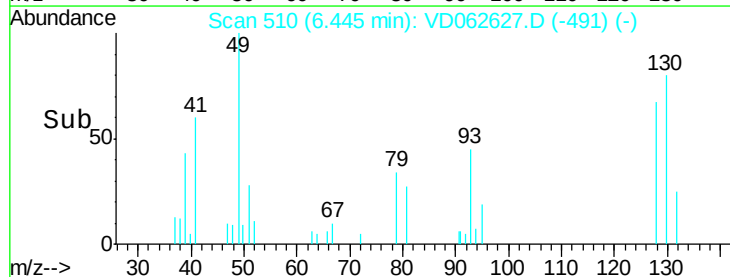
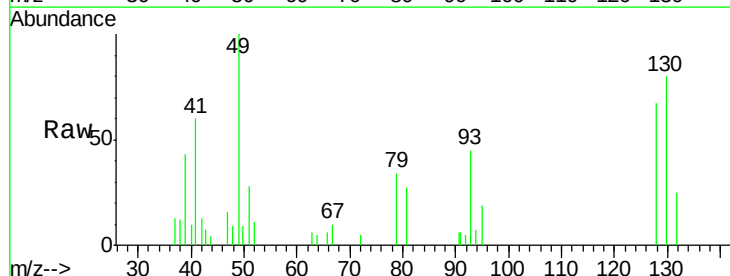
Tot Ion: 96 Resp: 32108
Ion Ratio Lower Upper
96 100
61 171.9 0.0 330.2
98 44.7 0.0 132.4

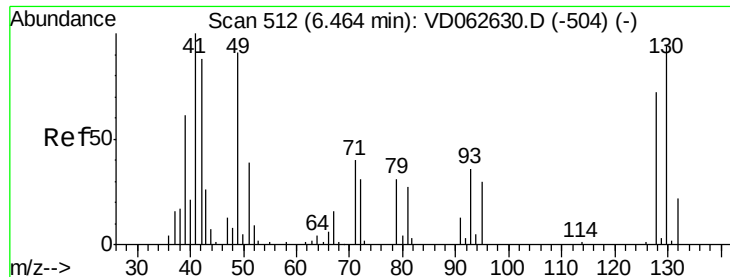


#28

Bromochloromethane
Concen: 5.570 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion: 49 Resp: 23542
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 80.1 72.2 108.2





#29

Tetrahydrofuran

Concen: 25.743 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

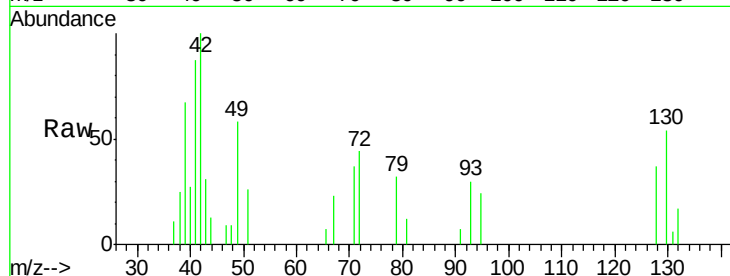
Tot Ion: 42 Resp: 17496

Ion Ratio Lower Upper

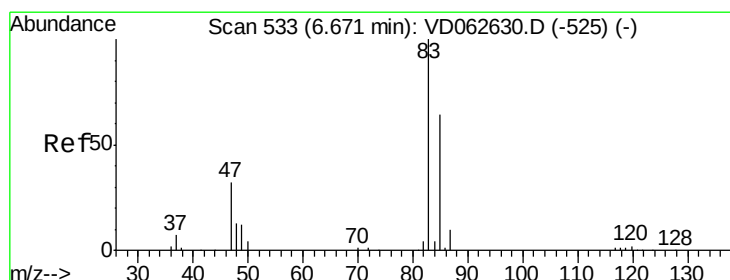
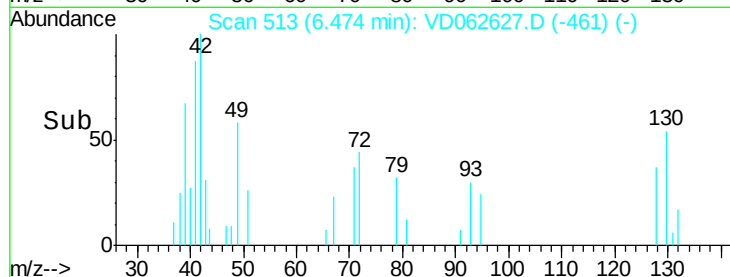
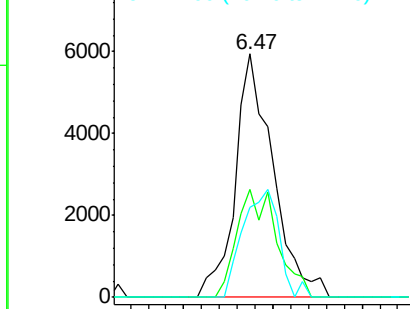
42 100

72 46.9 31.4 47.2

71 42.4 34.0 51.0



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: 5.283 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD062627.D

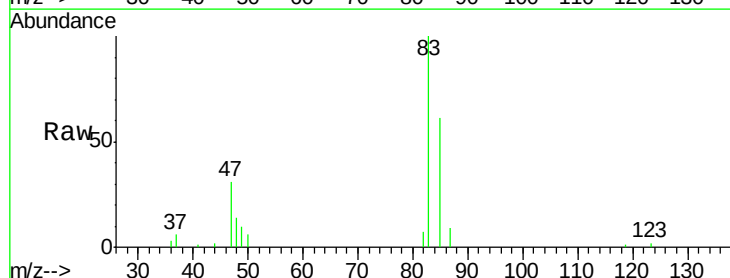
Acq: 6 Jun 2019 16:26

Tgt Ion: 83 Resp: 73329

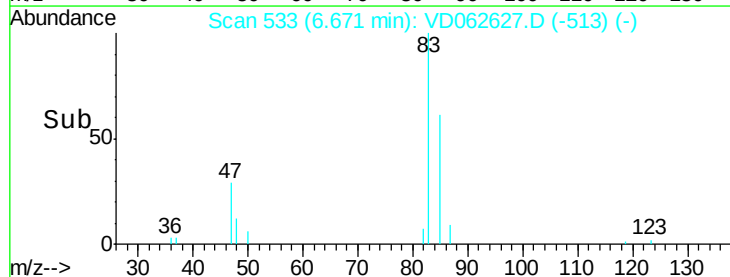
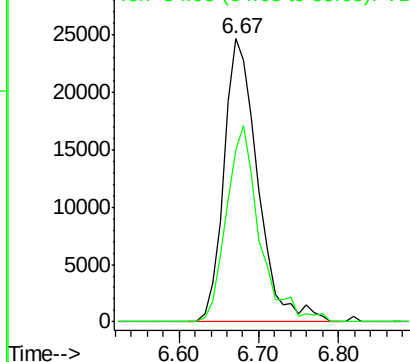
Ion Ratio Lower Upper

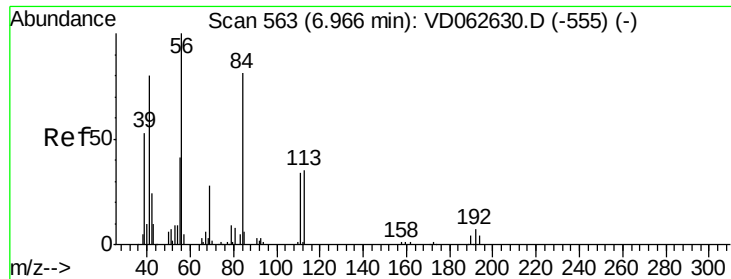
83 100

85 60.6 51.0 76.6



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

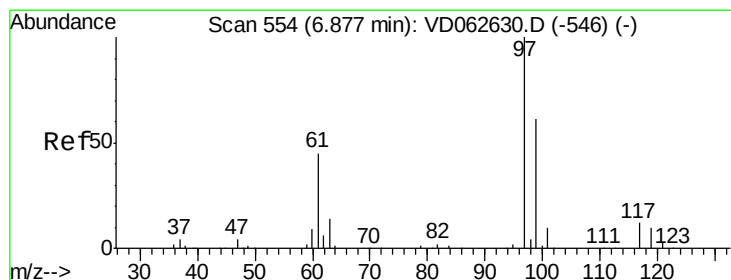
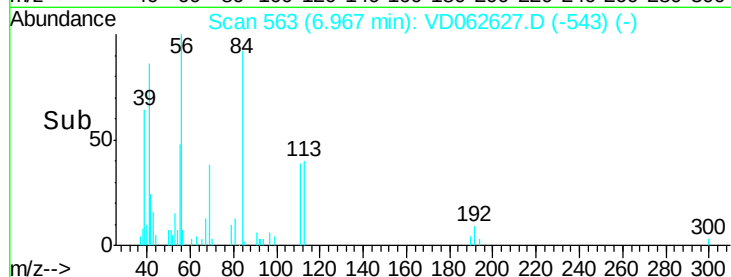
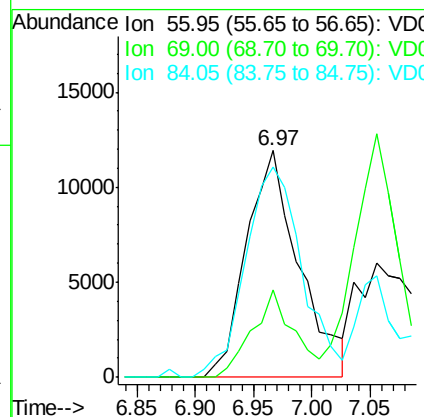
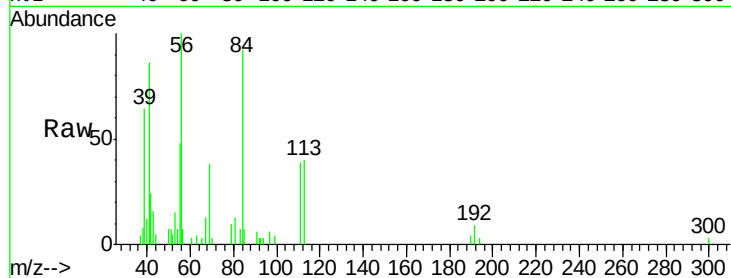




#31
Cyclohexane
Concen: 5.250 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

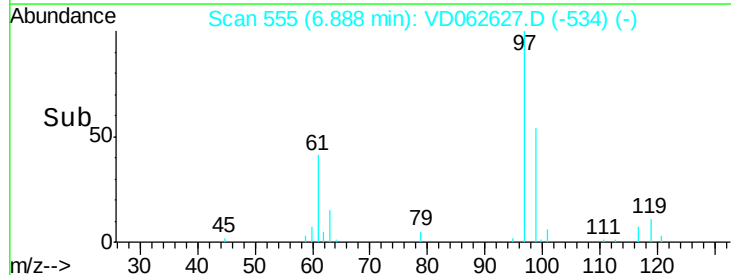
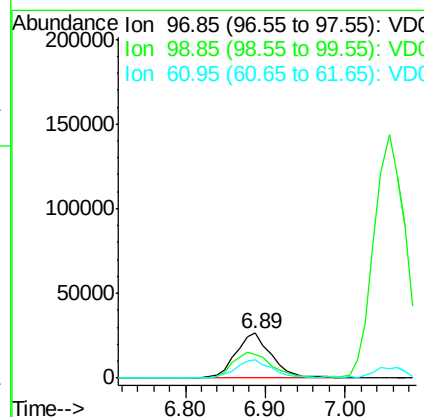
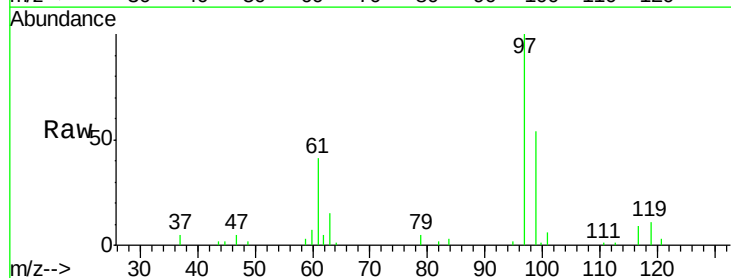
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

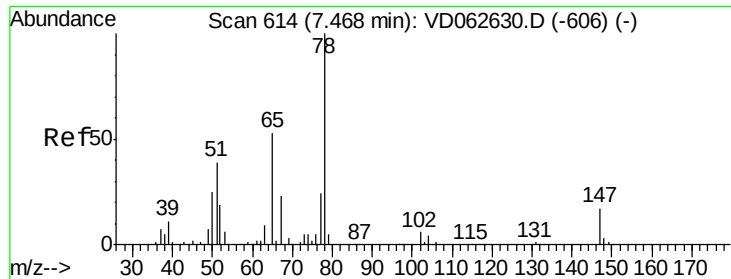
Tot Ion: 56 Resp: 37423
Ion Ratio Lower Upper
56 100
69 38.4 22.4 33.6#
84 92.5 67.8 101.8



#32
1,1,1-Trichloroethane
Concen: 5.803 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion: 97 Resp: 81764
Ion Ratio Lower Upper
97 100
99 53.6 49.0 73.6
61 41.2 36.2 54.2

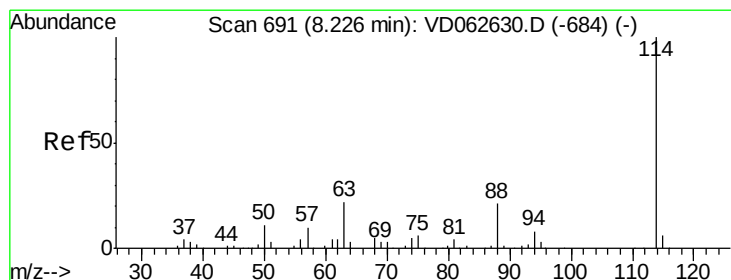
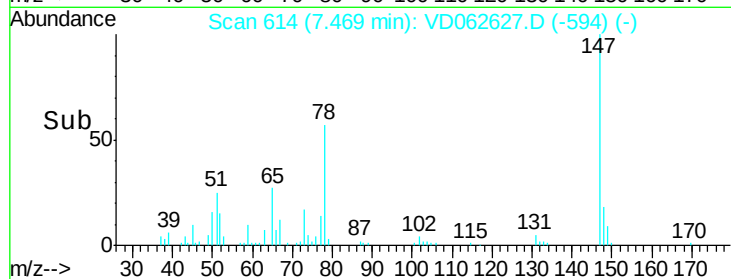
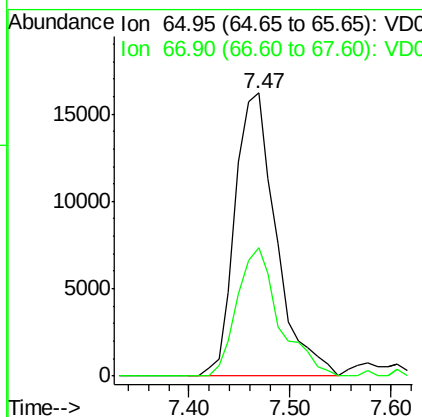
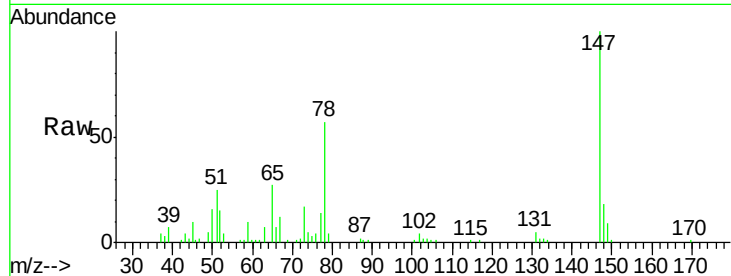




#33
 1,2-Dichloroethane-d4
 Concen: 5.306 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

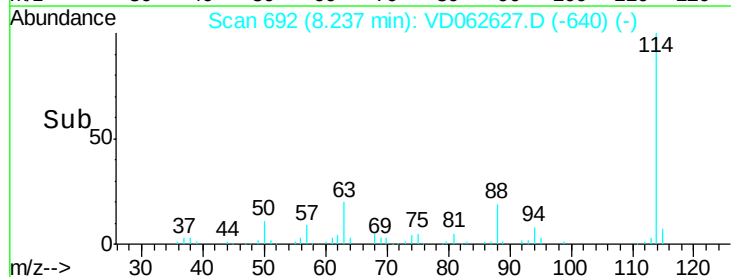
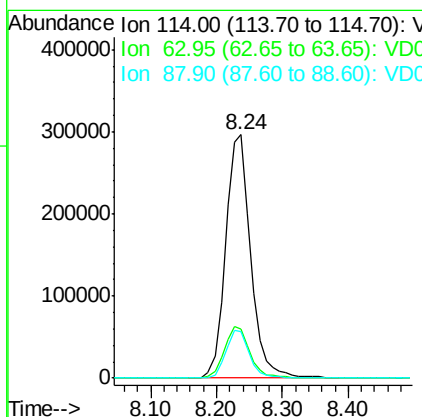
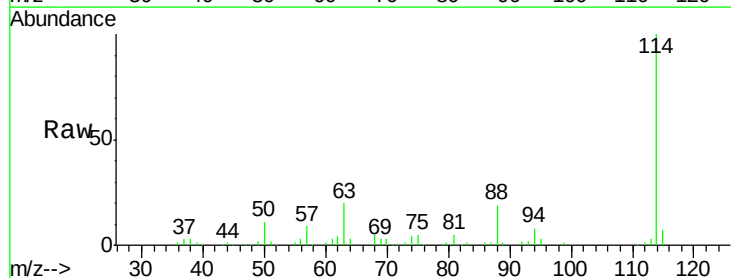
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

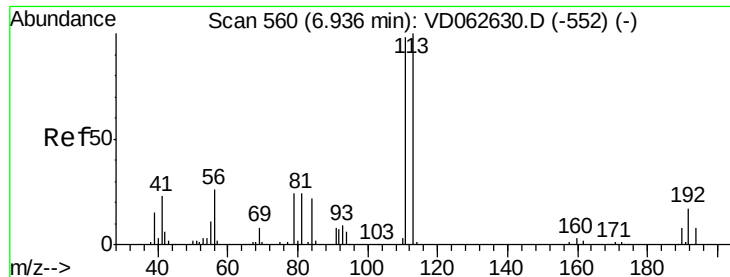
Tot Ion: 65 Resp: 46038
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

Tgt Ion: 114 Resp: 787599
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 43.6
 88 19.3 0.0 41.4





#35

Dibromofluoromethane

Concen: 5.510 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

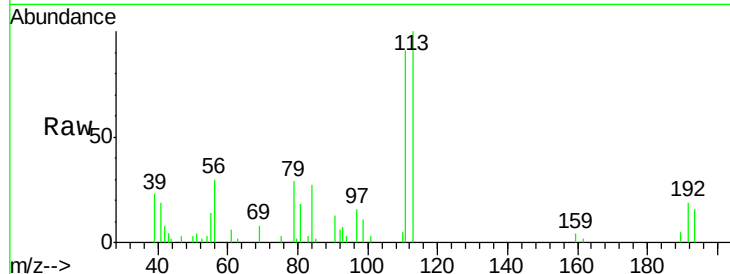
Tot Ion:113 Resp: 44281

Ion Ratio Lower Upper

113 100

111 91.2 78.5 117.7

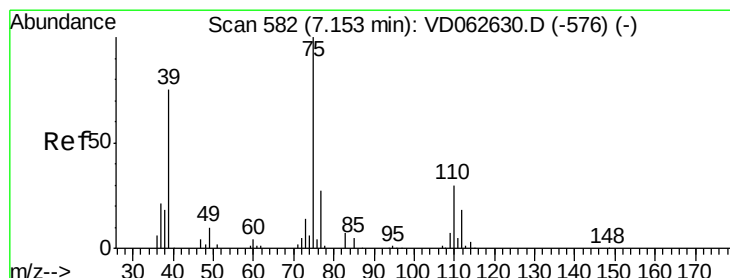
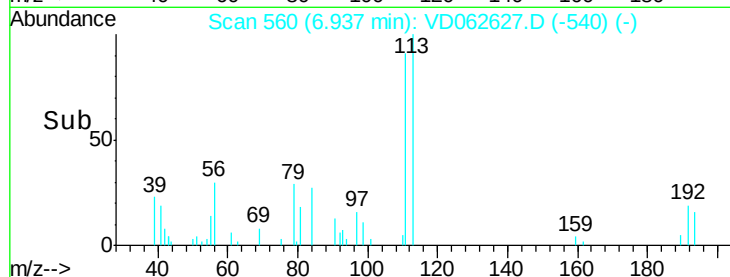
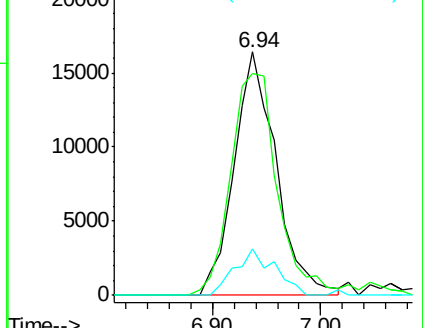
192 19.3 13.8 20.6



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: 5.399 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

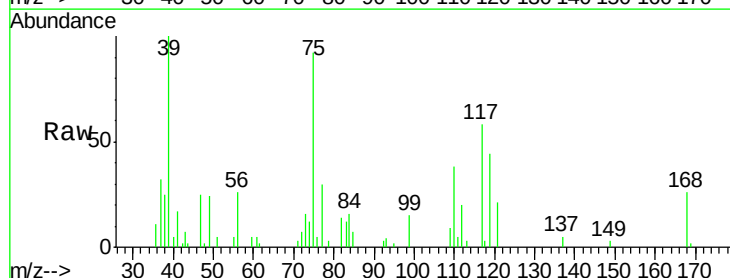
Tgt Ion: 75 Resp: 46032

Ion Ratio Lower Upper

75 100

110 40.9 14.8 44.3

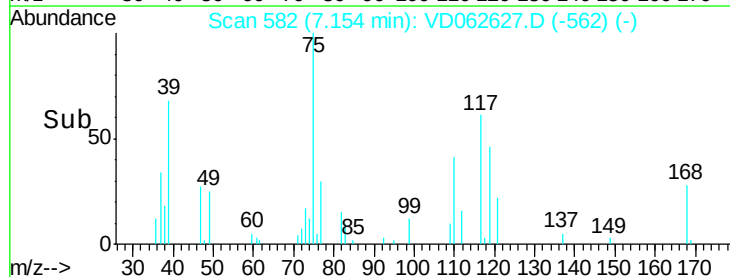
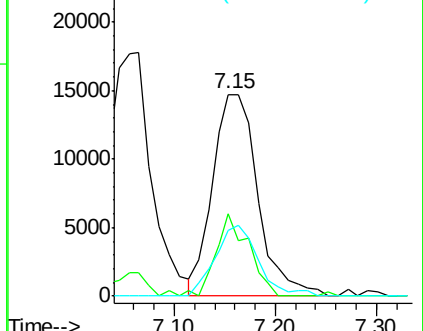
77 32.8 21.8 32.6#

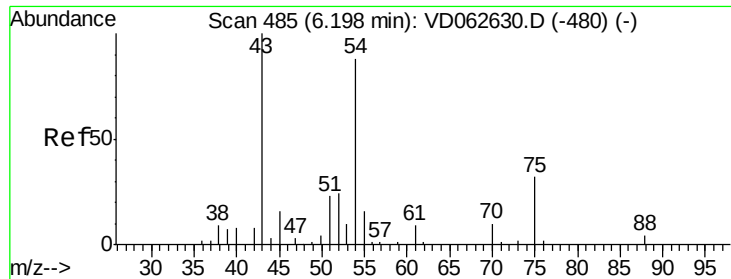


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

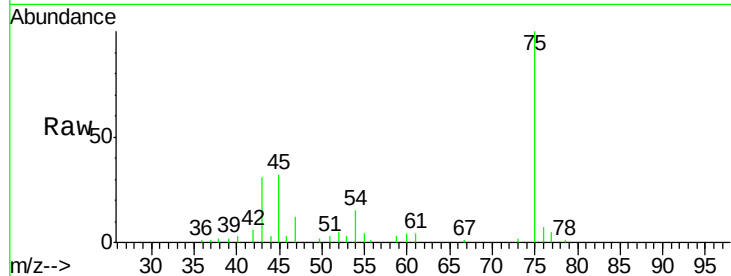




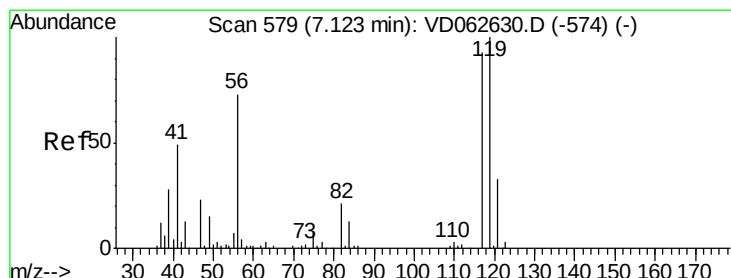
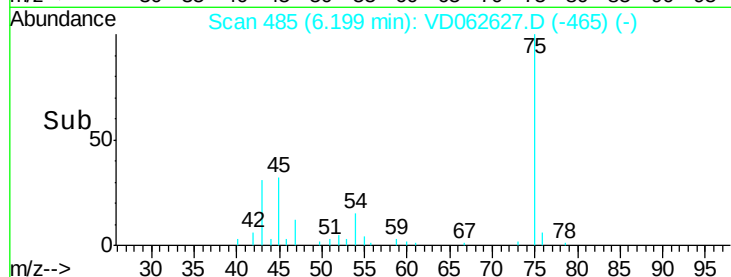
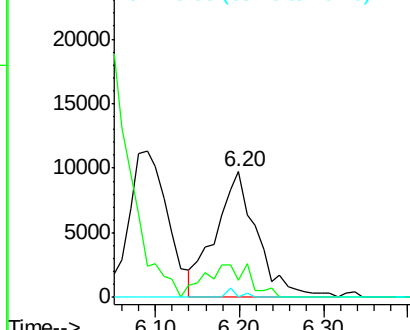
#37
Ethyl Acetate
Concen: 9.807 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 33509
Ion Ratio Lower Upper
43 100
61 13.9 11.7 17.5
70 0.0 6.2 9.4#

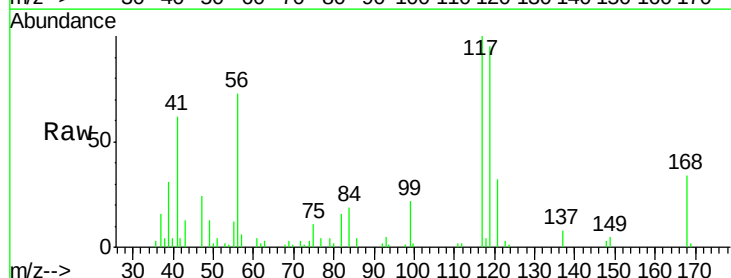


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

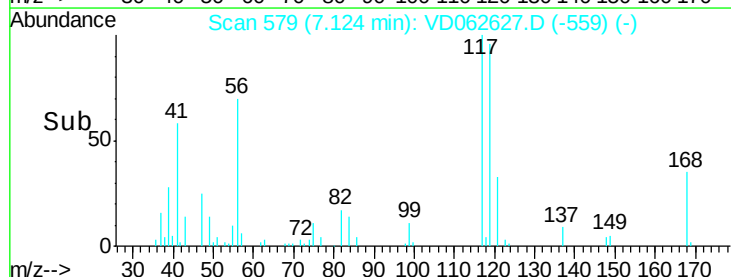
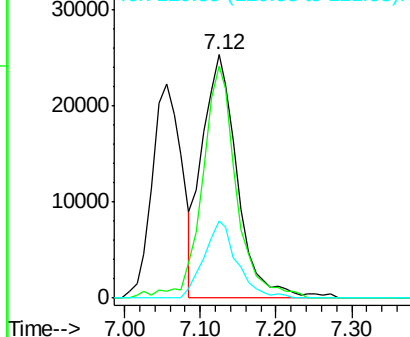


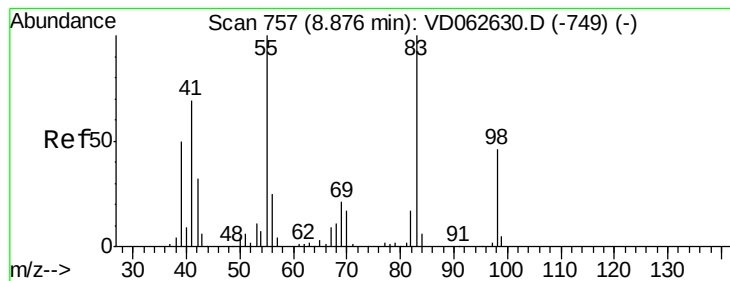
#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion: 117 Resp: 81985
Ion Ratio Lower Upper
117 100
119 95.1 81.0 121.4
121 31.8 26.2 39.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 5.556 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

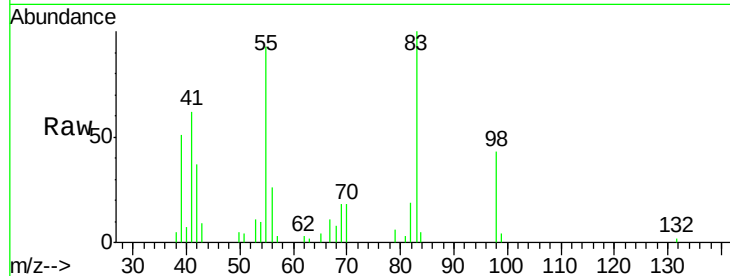
Tot Ion: 83 Resp: 39692

Ion Ratio Lower Upper

83 100

55 93.2 79.8 119.8

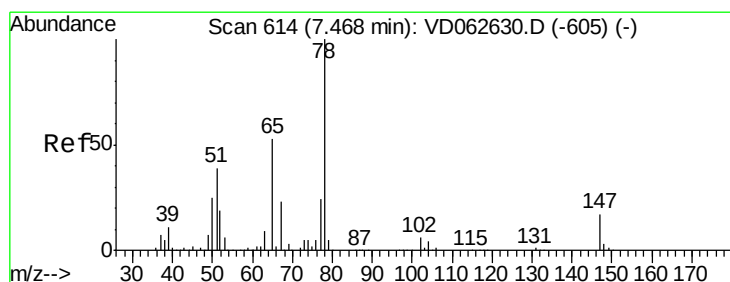
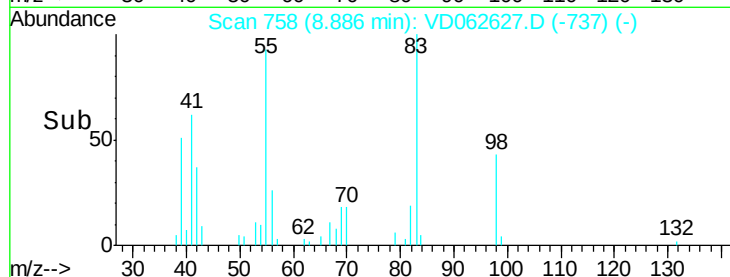
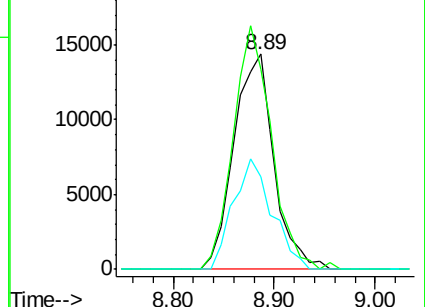
98 43.0 36.9 55.3



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 5.764 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD062627.D

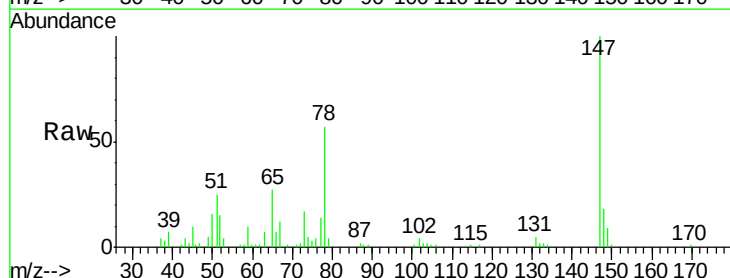
Acq: 6 Jun 2019 16:26

Tgt Ion: 78 Resp: 94879

Ion Ratio Lower Upper

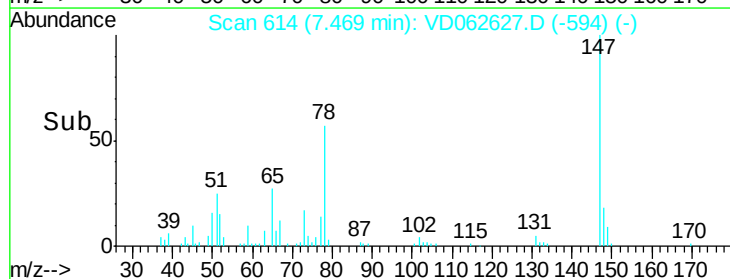
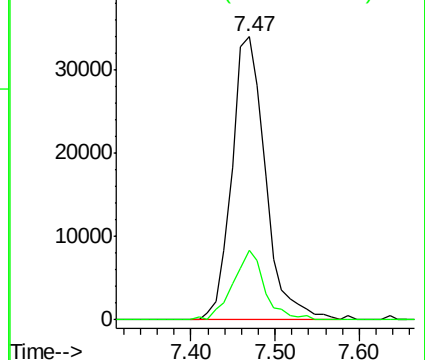
78 100

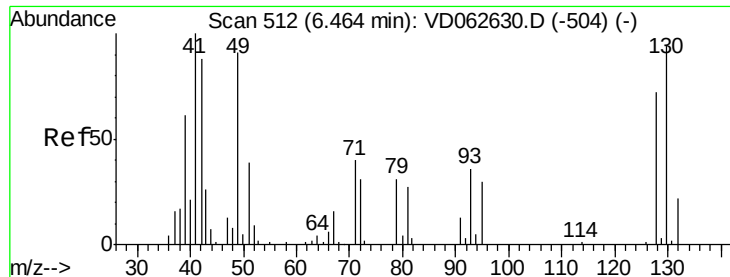
77 24.7 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

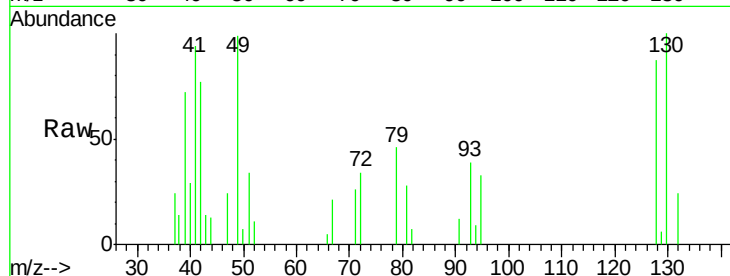




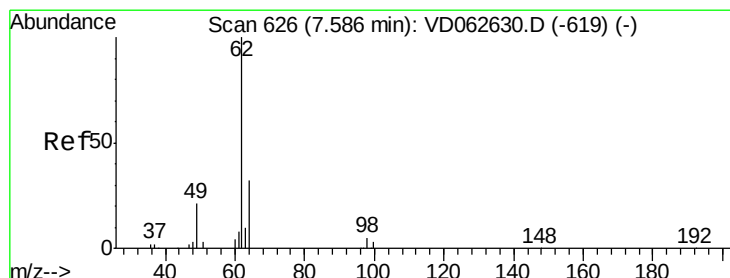
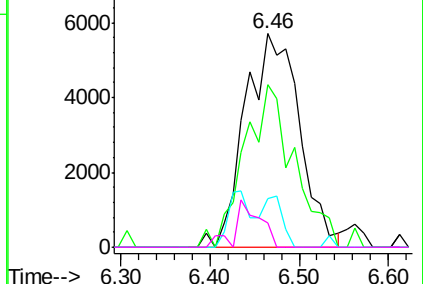
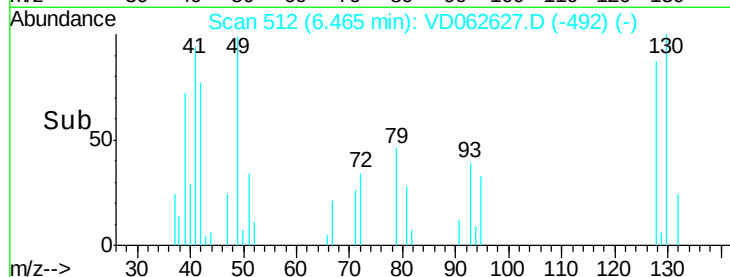
#41
Methacrylonitrile
Concen: 5.520 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 41 Resp: 24162
Ion Ratio Lower Upper
41 100
39 76.3 48.9 73.3#
67 22.6 12.6 18.8#
52 11.3 7.5 11.3

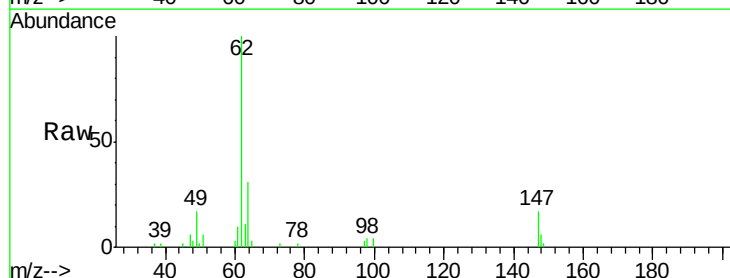


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

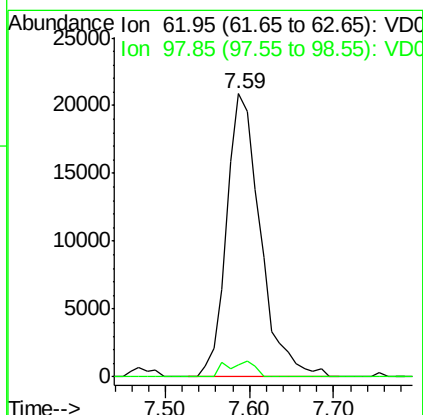
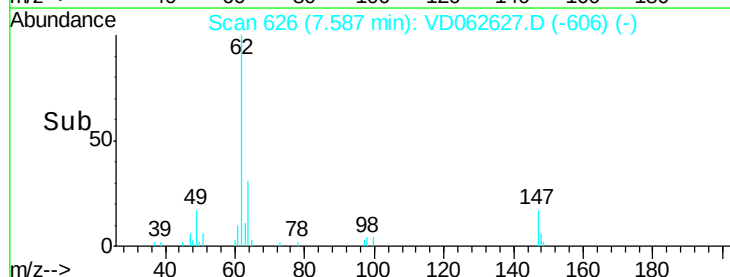


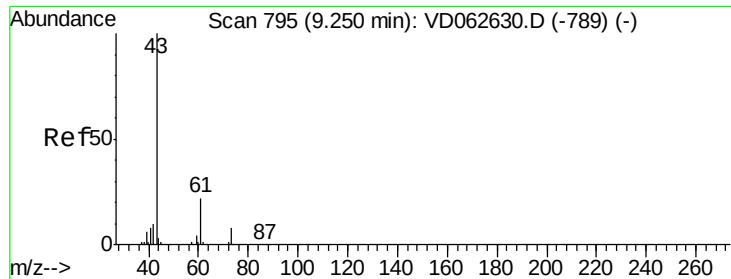
#42
1,2-Dichloroethane
Concen: 5.907 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion: 62 Resp: 58079
Ion Ratio Lower Upper
62 100
98 4.4 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 5.428 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

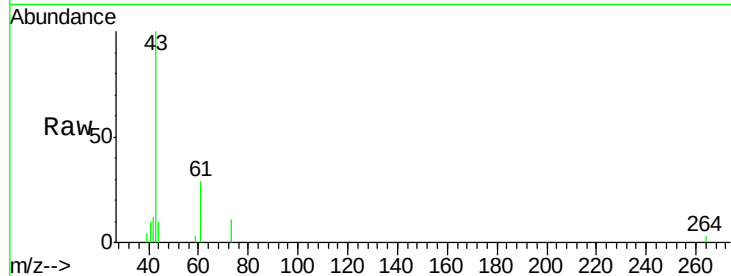
Tot Ion: 43 Resp: 25207

Ion Ratio Lower Upper

43 100

61 28.9 17.8 26.8#

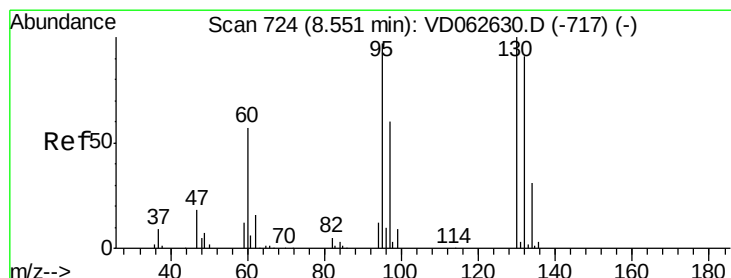
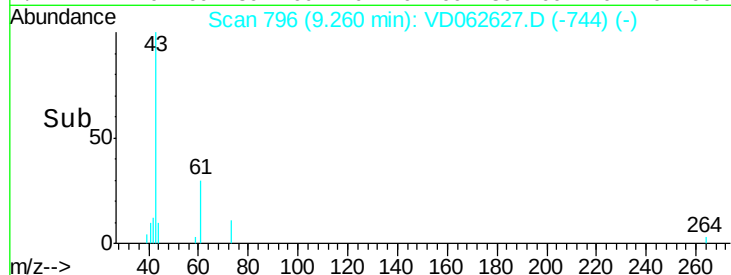
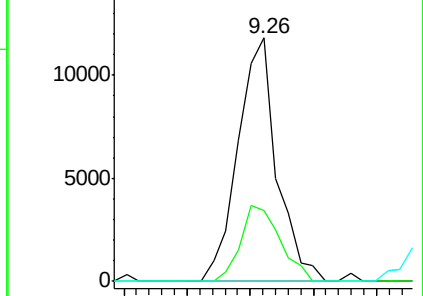
87 0.0 0.3 0.5#



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



#44

Trichloroethene

Concen: 5.682 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD062627.D

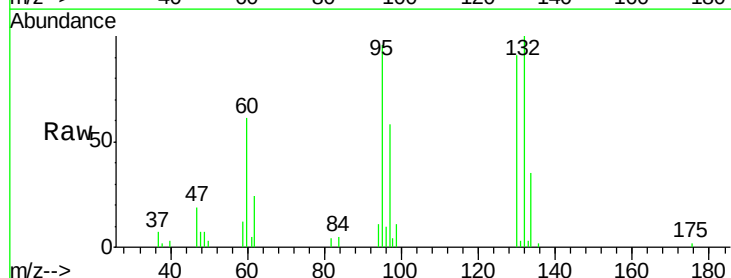
Acq: 6 Jun 2019 16:26

Tgt Ion:130 Resp: 38594

Ion Ratio Lower Upper

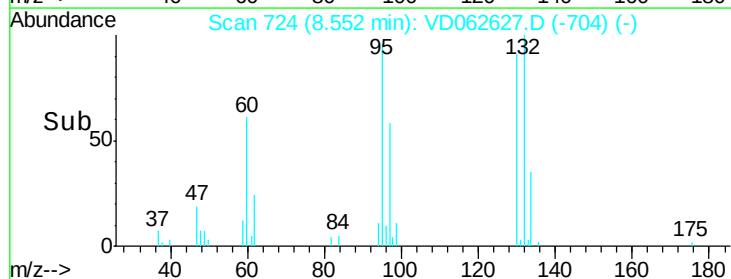
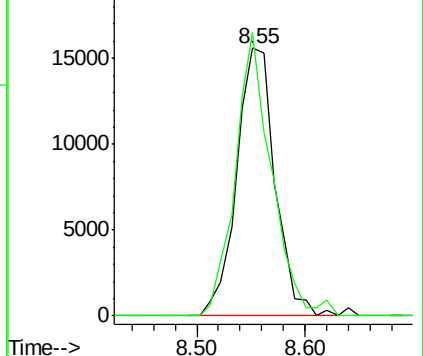
130 100

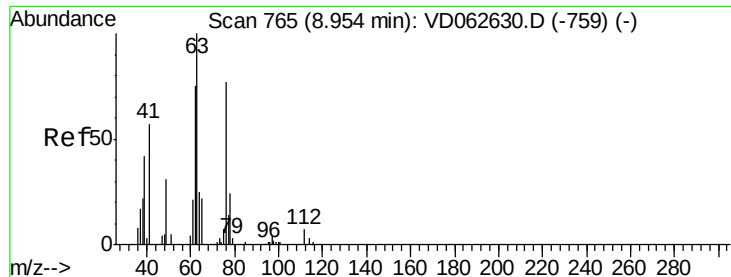
95 105.8 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 5.984 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

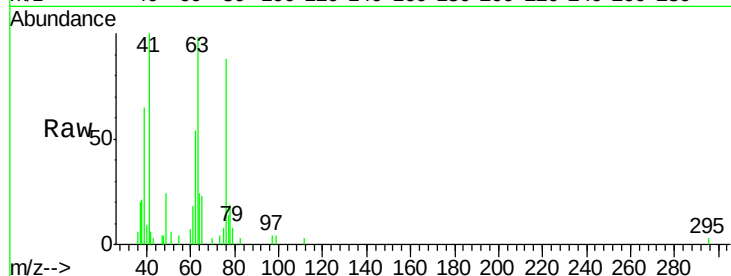
VSTDIC005

Tot Ion: 63 Resp: 24492

Ion Ratio Lower Upper

63 100

65 23.6 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.96

12000

10000

8000

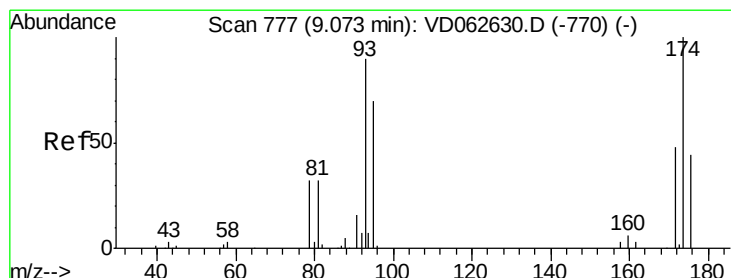
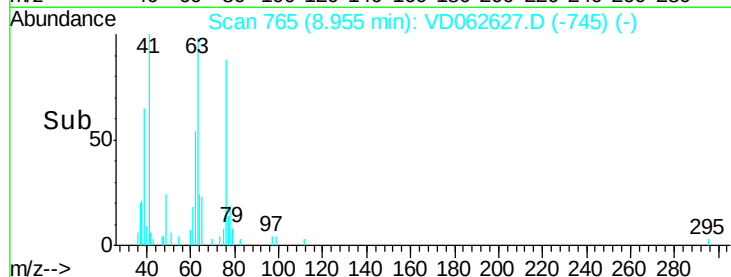
6000

4000

2000

0

Time--> 8.85 8.90 8.95 9.00 9.05



#46

Dibromomethane

Concen: 5.840 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

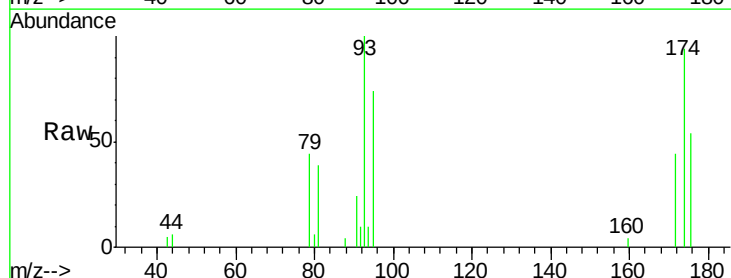
Tgt Ion: 93 Resp: 21201

Ion Ratio Lower Upper

93 100

95 74.5 62.8 94.2

174 93.6 89.1 133.7



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

12000

10000

8000

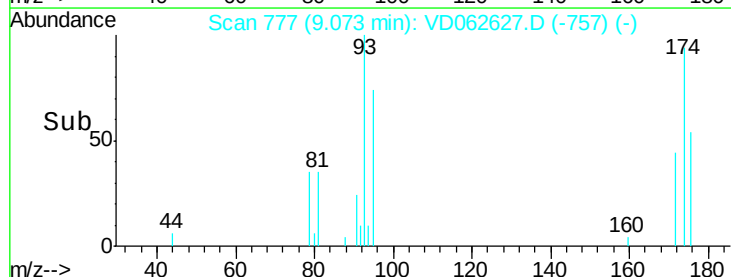
6000

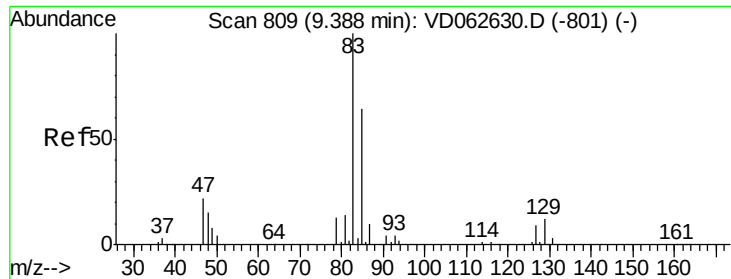
4000

2000

0

Time--> 9.00 9.05 9.10 9.15





#47

Bromodichloromethane

Concen: 5.627 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

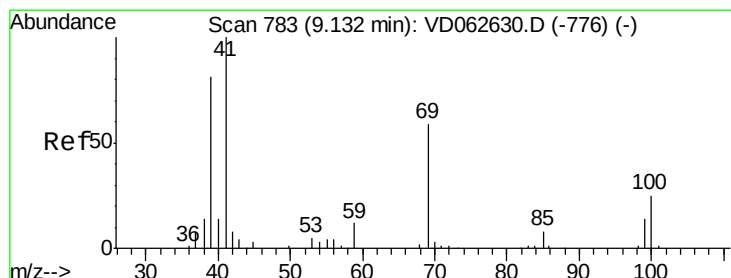
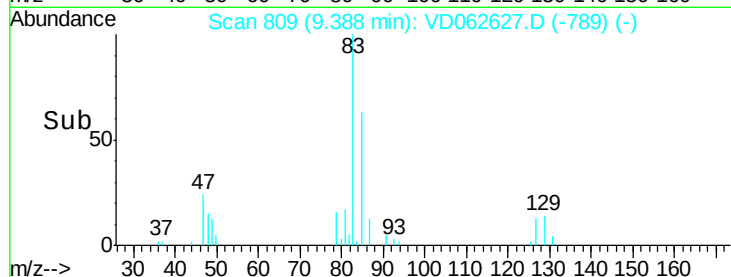
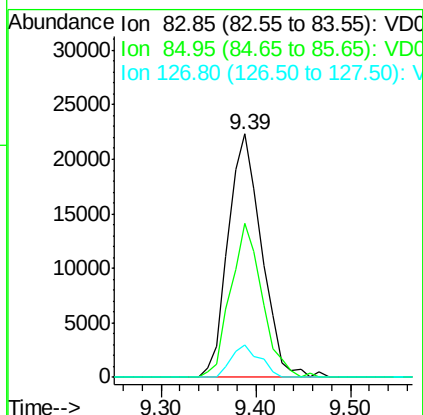
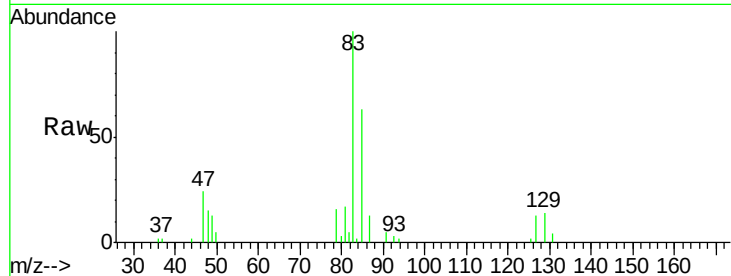
Tot Ion: 83 Resp: 54759

Ion Ratio Lower Upper

83 100

85 63.2 50.9 76.3

127 13.1 7.4 11.2#



#48

Methyl methacrylate

Concen: 5.981 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

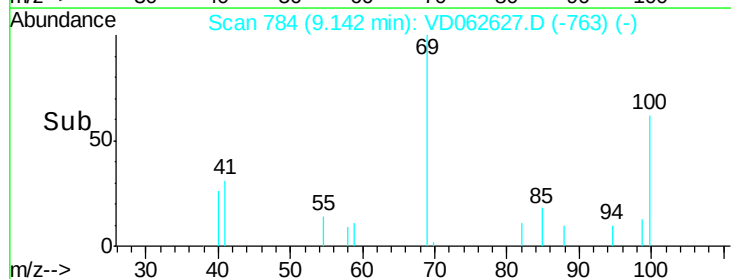
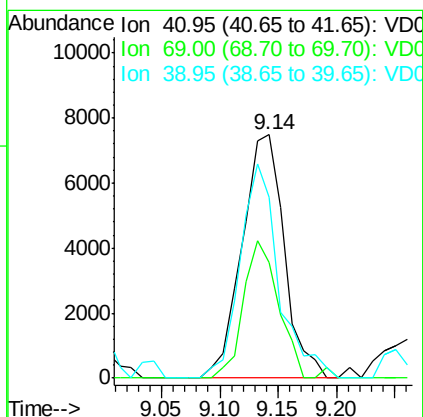
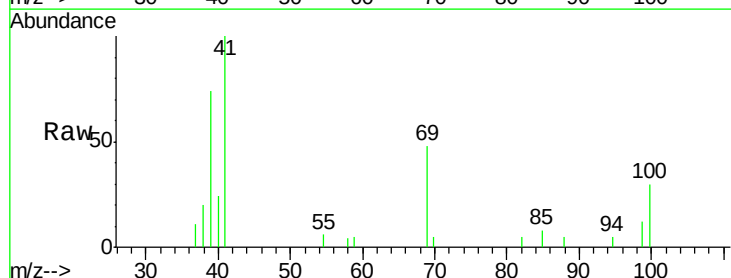
Tgt Ion: 41 Resp: 18744

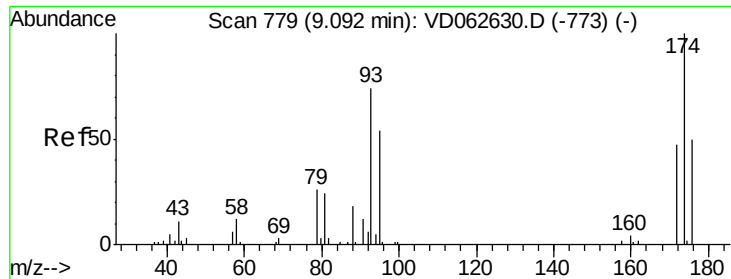
Ion Ratio Lower Upper

41 100

69 47.6 47.0 70.6

39 74.4 65.8 98.6

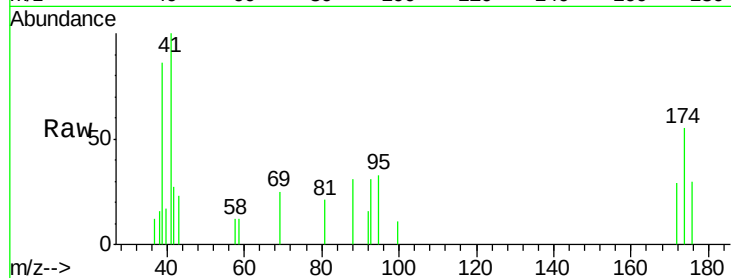




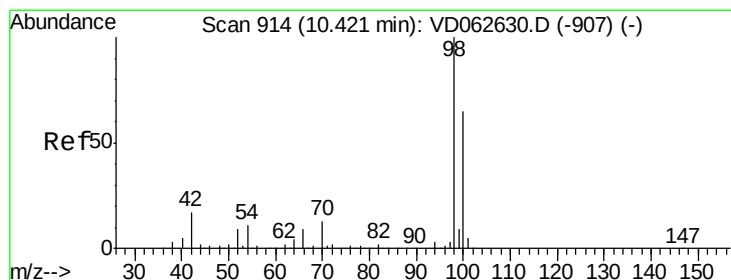
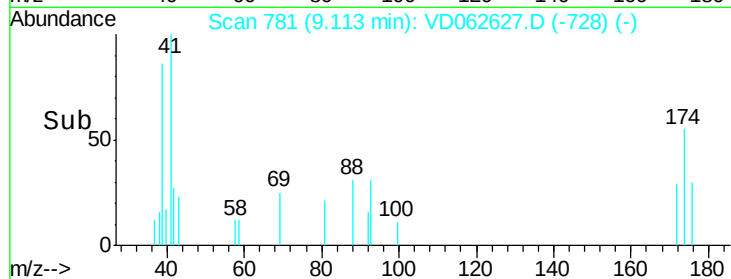
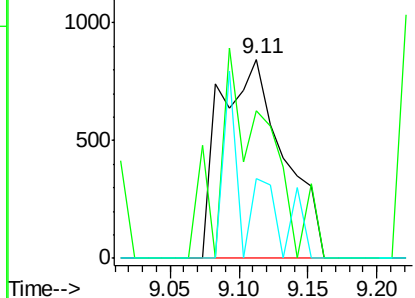
#49
 1,4-Dioxane
 Concen: 107.796 ug/l
 RT: 9.11 min Scan# 781
 Delta R.T. 0.02 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 2707
 Ion Ratio Lower Upper
 88 100
 43 74.3 50.2 75.2
 58 40.2 56.2 84.4#

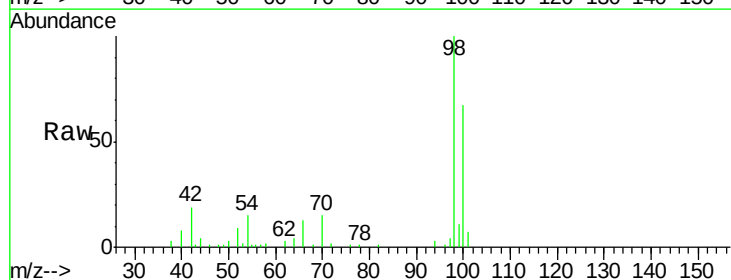


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

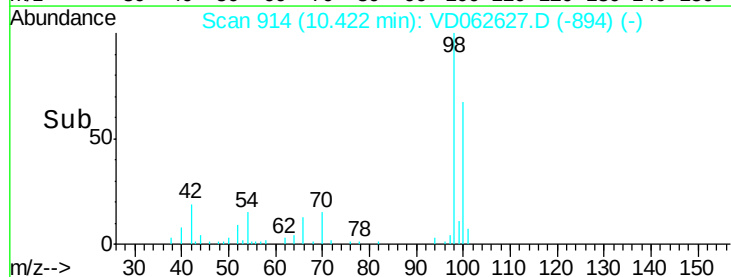
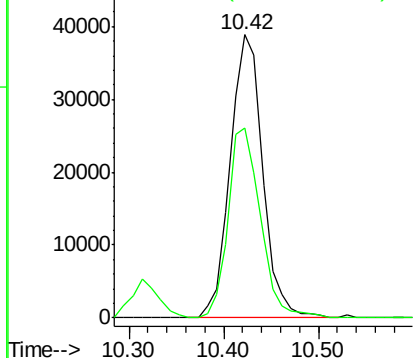


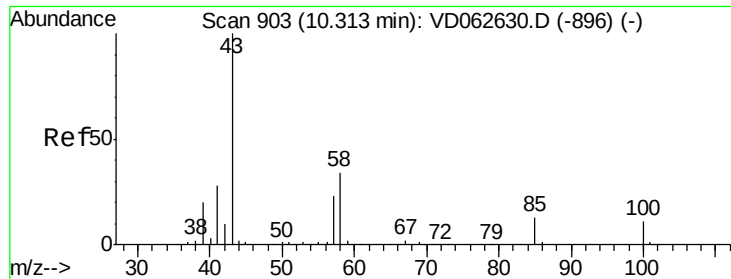
#50
 Toluene-d8
 Concen: 5.268 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

Tgt Ion: 98 Resp: 92244
 Ion Ratio Lower Upper
 98 100
 100 67.0 52.1 78.1



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: 31.998 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

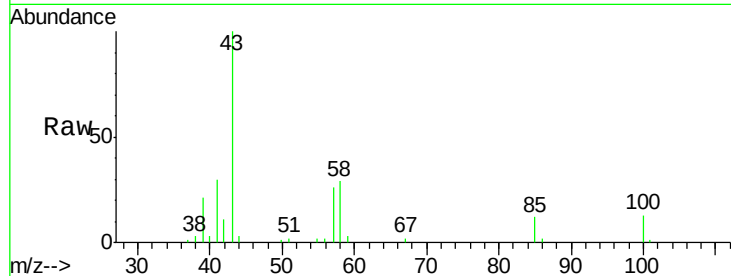
VSTDIC005

Tot Ion: 43 Resp: 98123

Ion Ratio Lower Upper

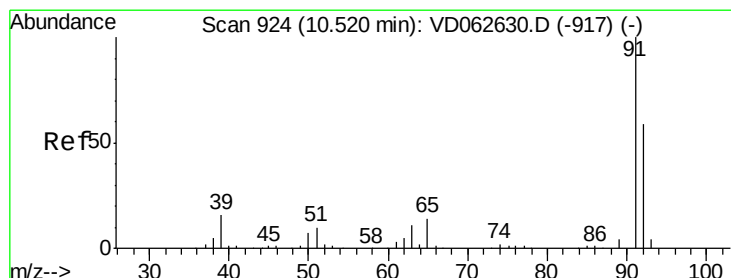
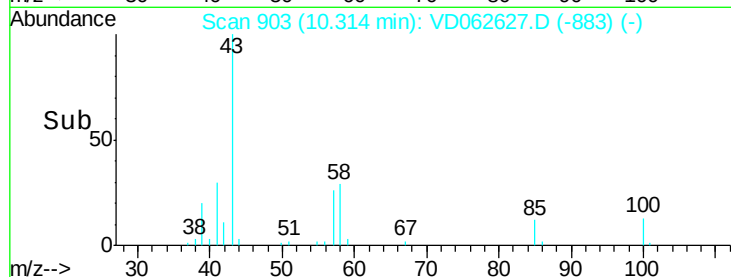
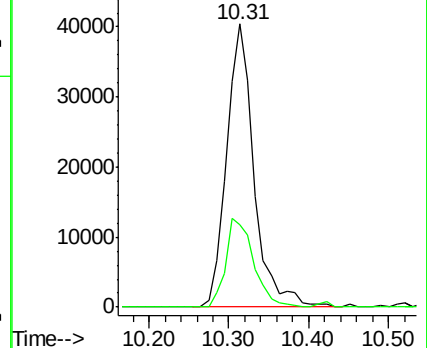
43 100

58 29.0 26.8 40.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 5.624 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD062627.D

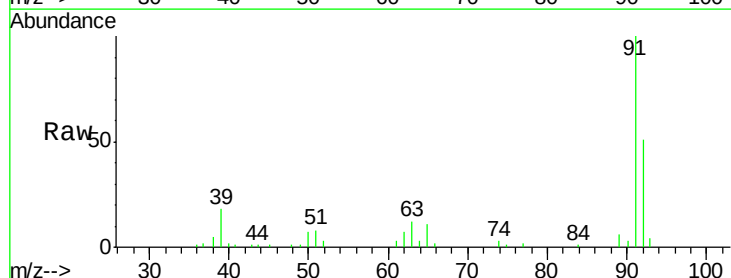
Acq: 6 Jun 2019 16:26

Tgt Ion: 92 Resp: 62468

Ion Ratio Lower Upper

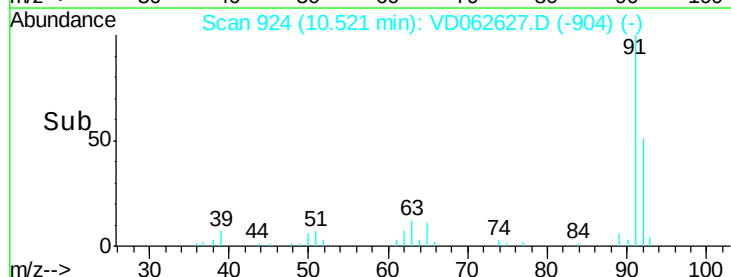
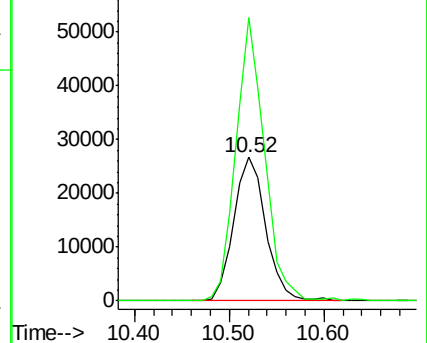
92 100

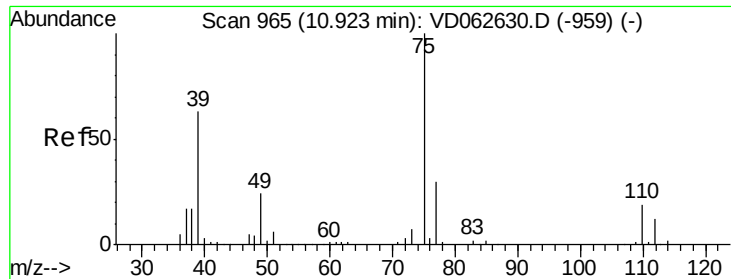
91 197.6 136.6 205.0



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: 5.336 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

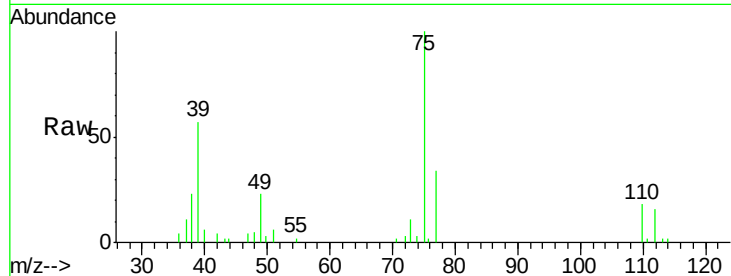
VSTDIC005

Tot Ion: 75 Resp: 43502

Ion Ratio Lower Upper

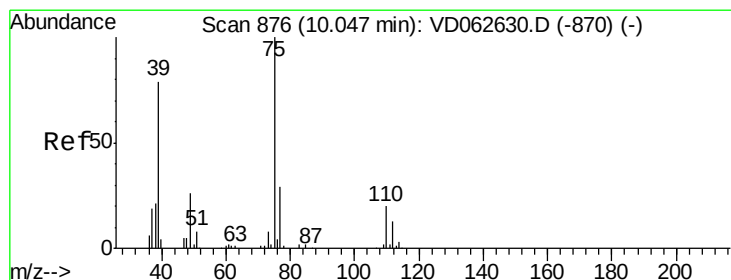
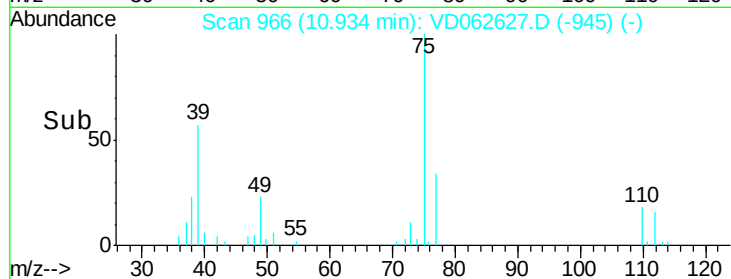
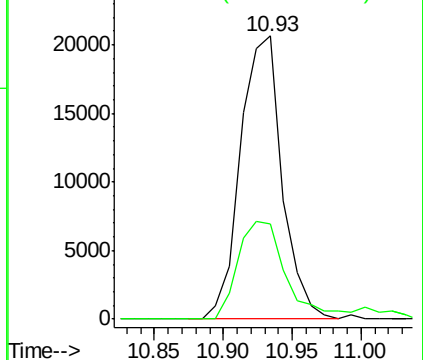
75 100

77 33.5 23.7 35.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 5.540 ug/l

RT: 10.06 min Scan# 877

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

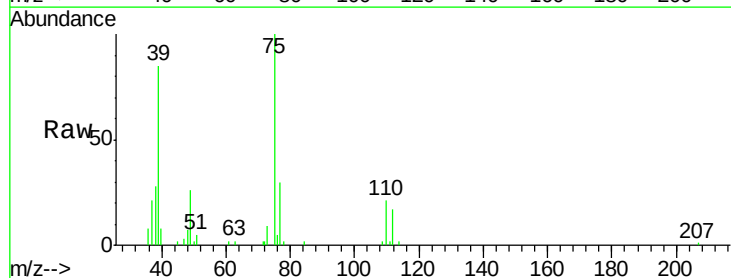
Tgt Ion: 75 Resp: 45718

Ion Ratio Lower Upper

75 100

77 30.3 23.4 35.2

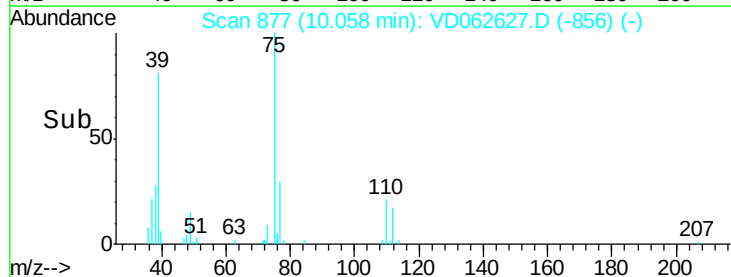
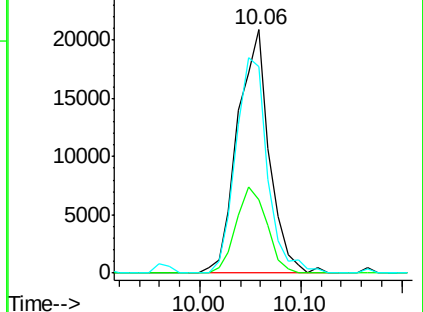
39 84.7 63.0 94.4

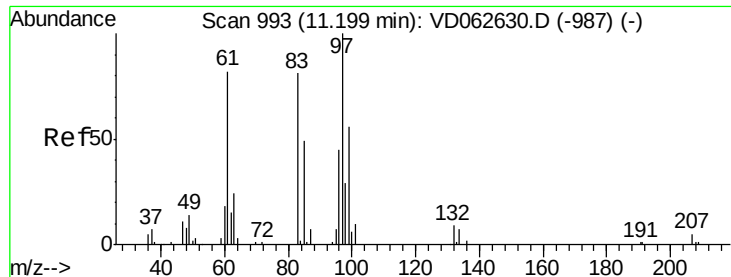


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

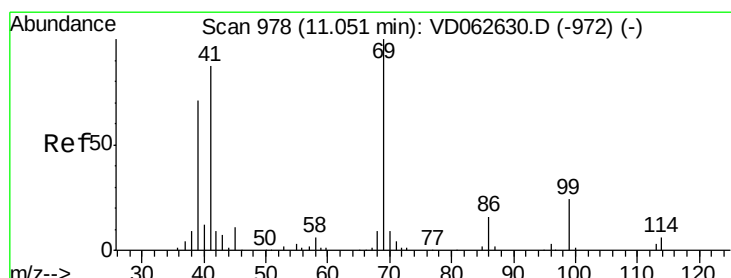
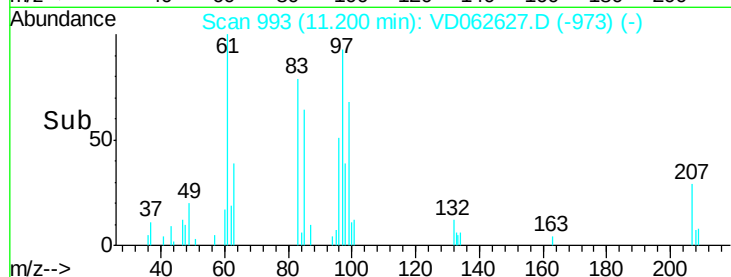
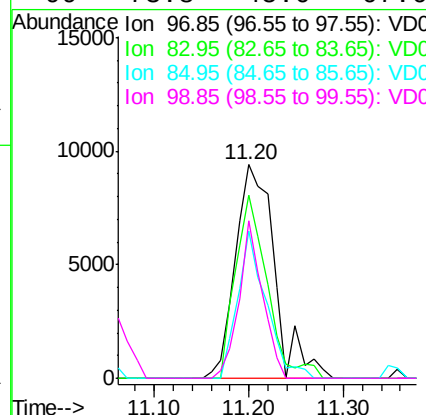
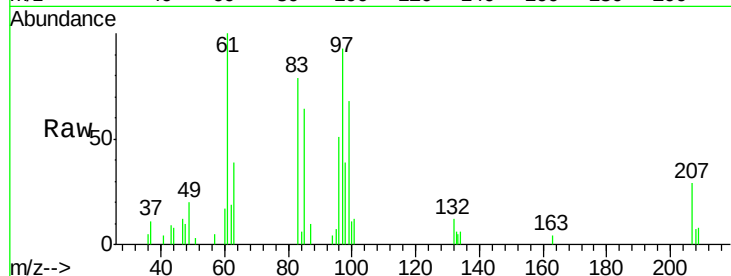




#55
1,1,2-Trichloroethane
Concen: 7.090 ug/l
RT: 11.20 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

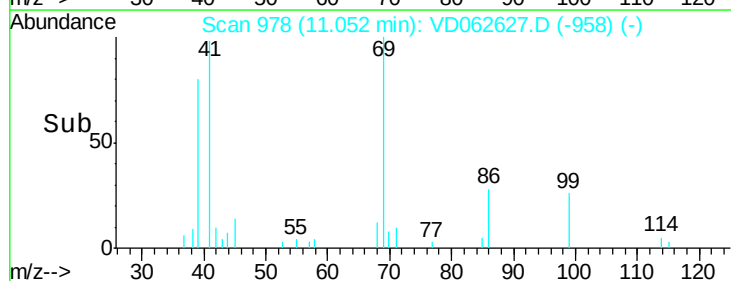
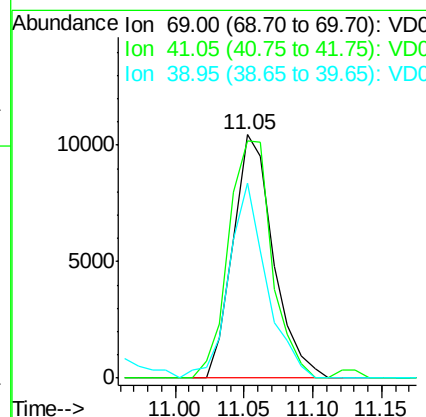
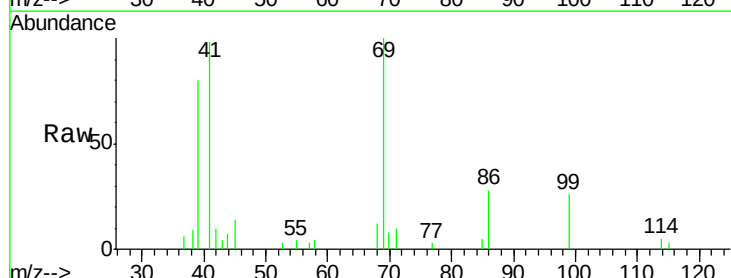
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

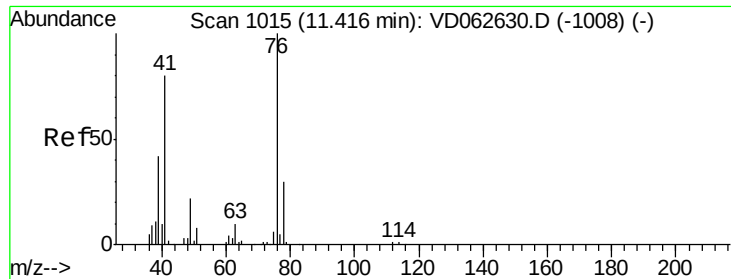
Tot Ion: 97 Resp: 26864
Ion Ratio Lower Upper
97 100
83 85.5 64.7 97.1
85 69.1 39.3 58.9#
99 73.8 45.0 67.6#



#56
Ethyl methacrylate
Concen: 5.211 ug/l
RT: 11.05 min Scan# 978
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion: 69 Resp: 21339
Ion Ratio Lower Upper
69 100
41 97.5 69.8 104.8
39 79.9 57.6 86.4





#57

1,3-Dichloropropane

Concen: 5.682 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

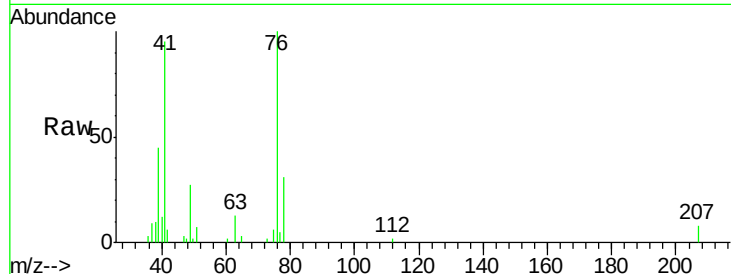
VSTDIC005

Tot Ion: 76 Resp: 33145

Ion Ratio Lower Upper

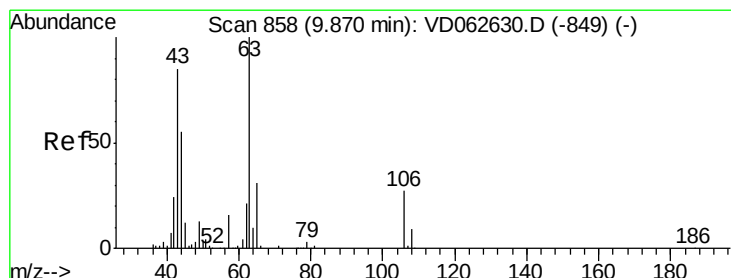
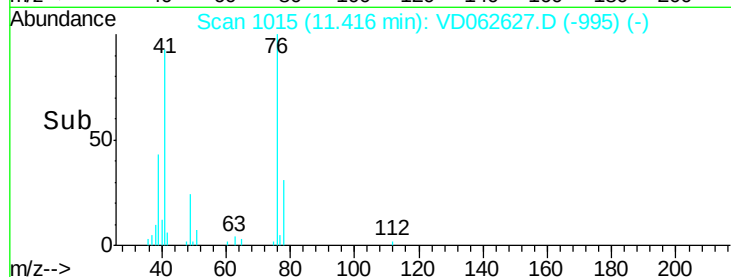
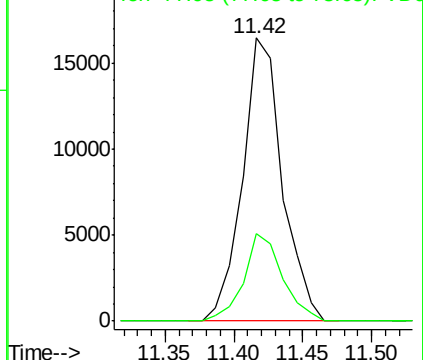
76 100

78 30.9 23.8 35.8



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 32.599 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD062627.D

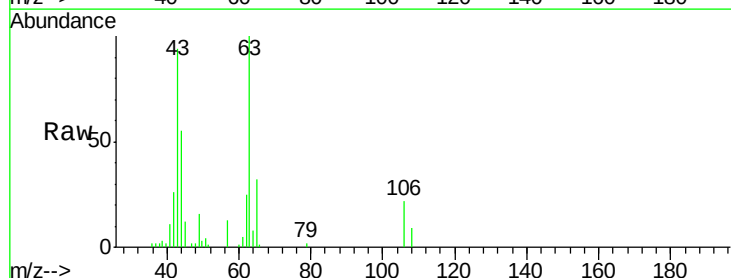
Acq: 6 Jun 2019 16:26

Tgt Ion: 63 Resp: 70163

Ion Ratio Lower Upper

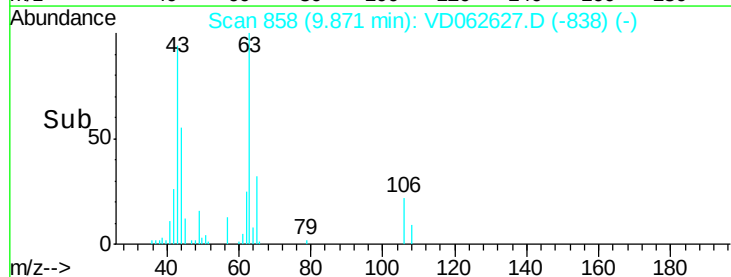
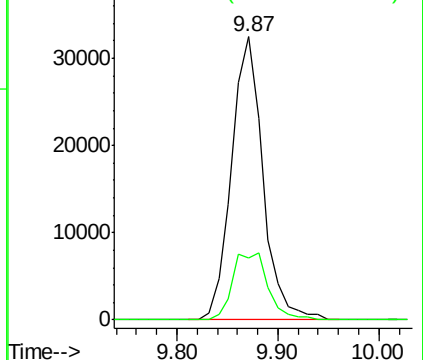
63 100

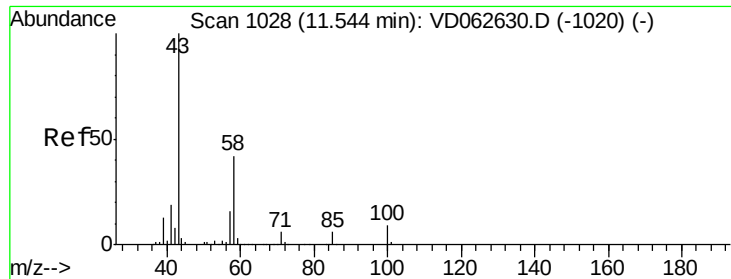
106 22.0 21.8 32.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

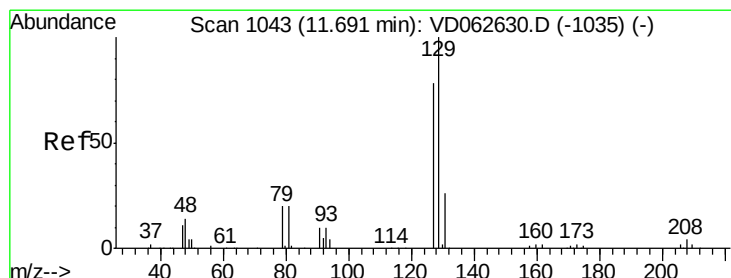
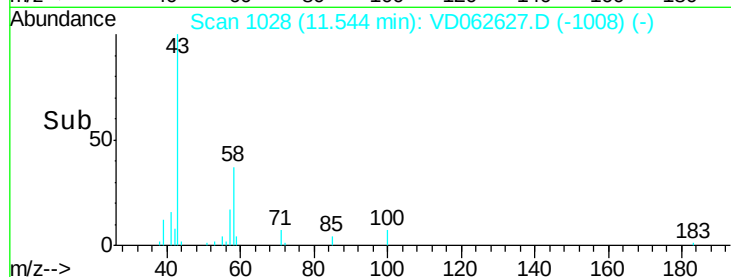
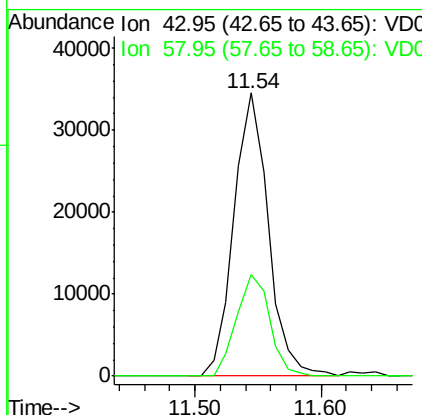
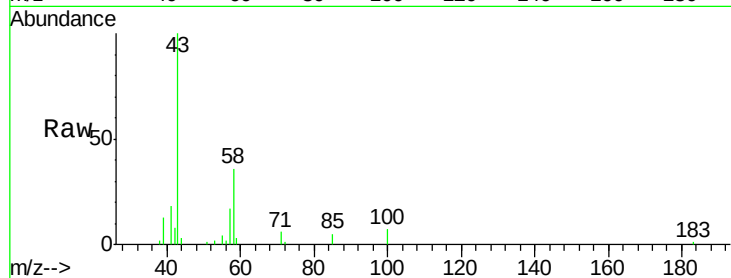




#59
2-Hexanone
Concen: 28.160 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

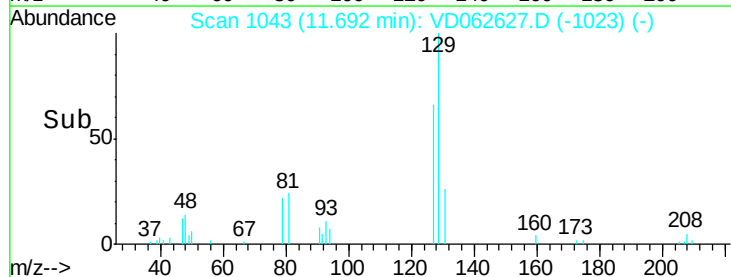
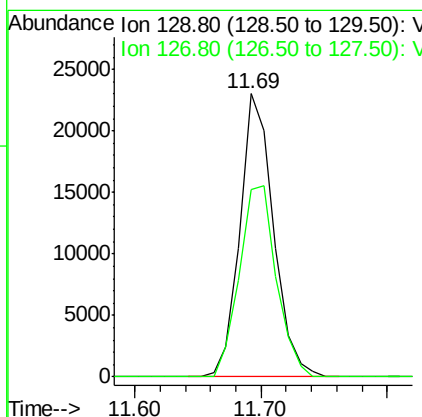
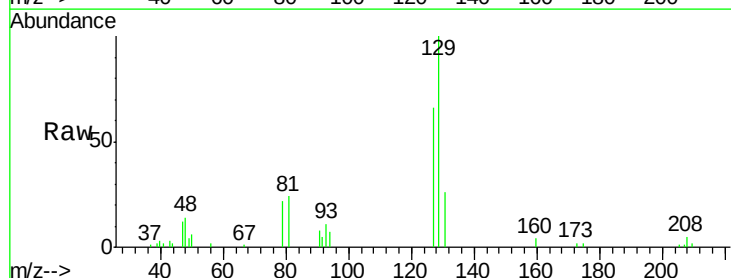
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

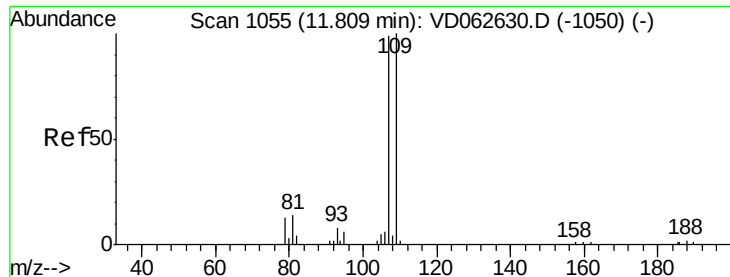
Tot Ion: 43 Resp: 65119
Ion Ratio Lower Upper
43 100
58 36.0 20.8 62.4



#60
Dibromochloromethane
Concen: 5.721 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion: 129 Resp: 42353
Ion Ratio Lower Upper
129 100
127 66.0 38.9 116.6

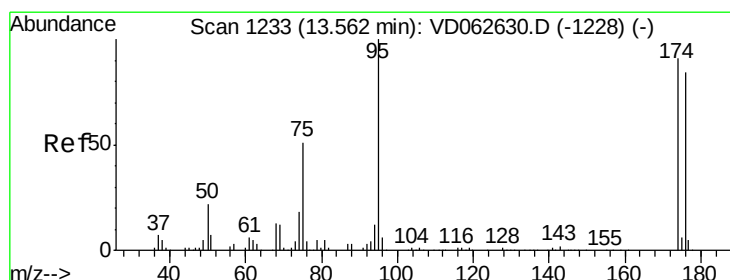
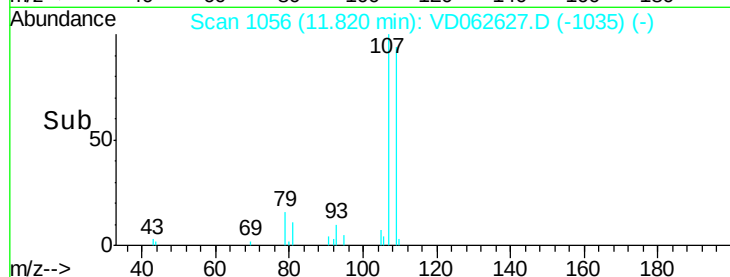
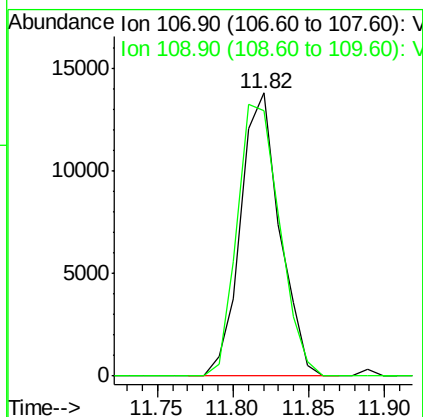
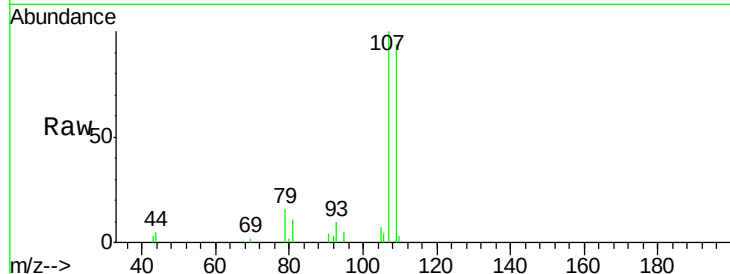




#61
 1,2-Dibromoethane
 Concen: 5.377 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

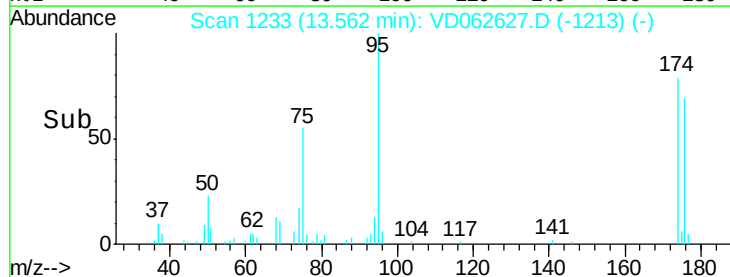
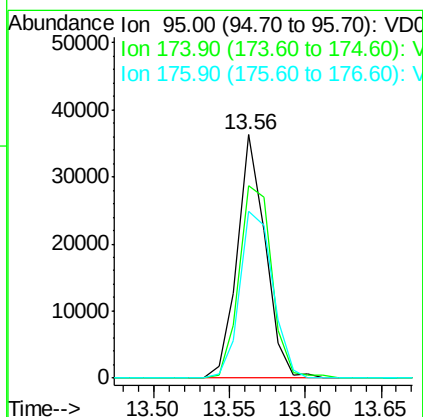
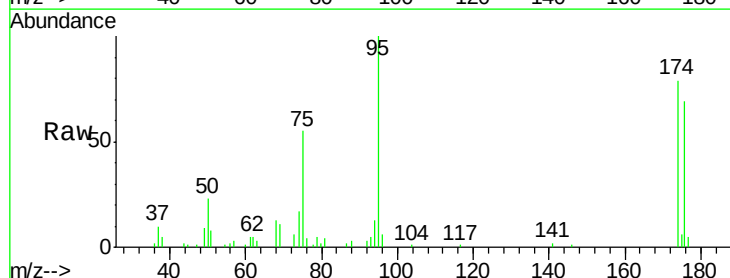
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

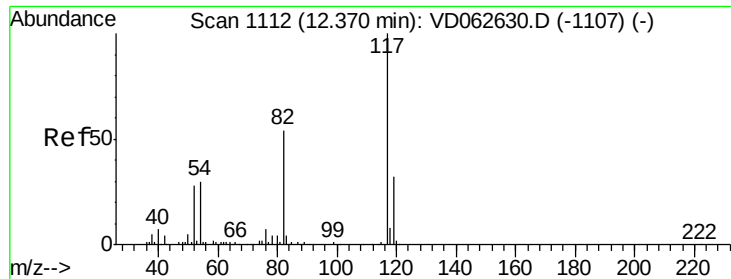
Tot Ion:107 Resp: 24864
 Ion Ratio Lower Upper
 107 100
 109 93.7 80.9 121.3



#62
 4-Bromofluorobenzene
 Concen: 5.732 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

Tgt Ion: 95 Resp: 46726
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 181.6
 176 68.5 0.0 168.6

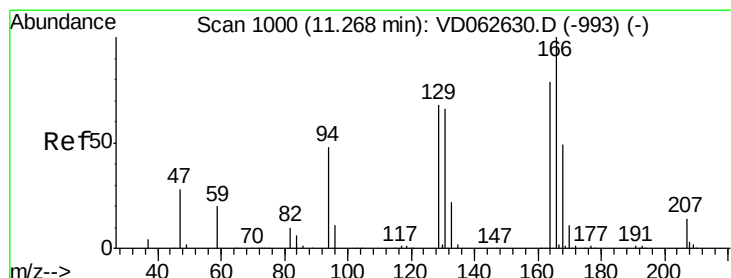
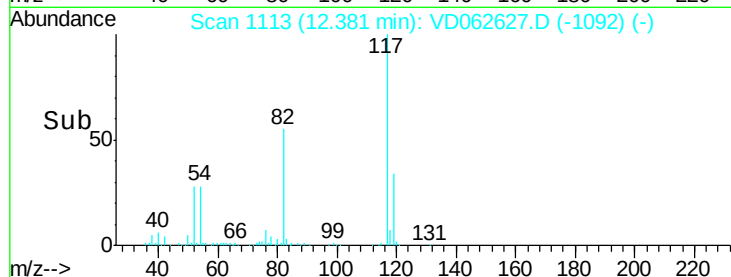
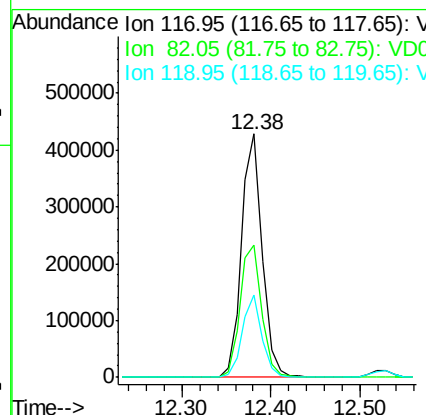
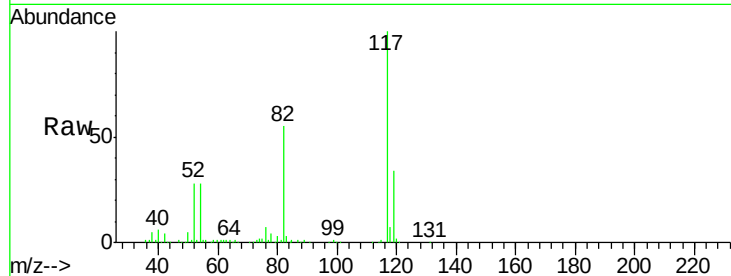




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

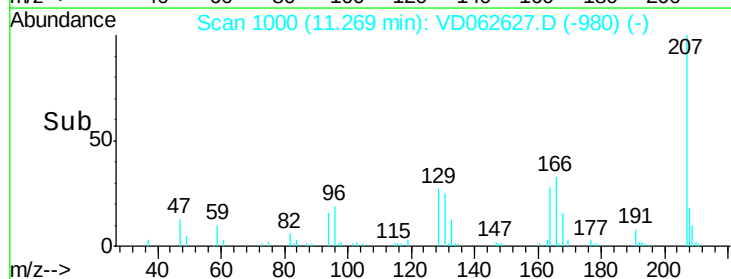
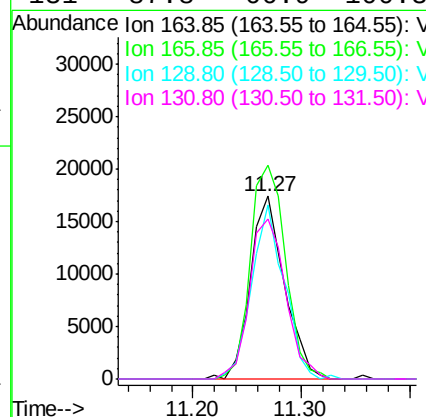
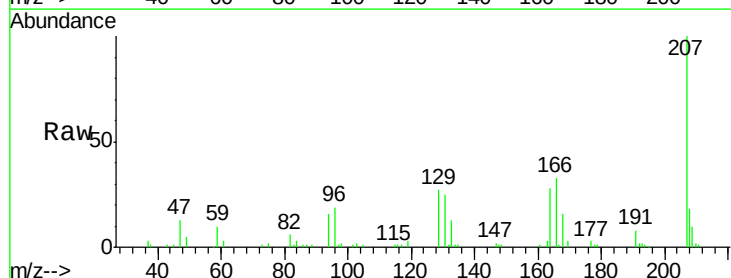
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

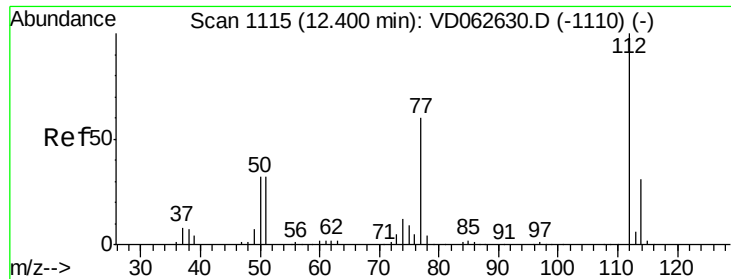
Tot Ion:117 Resp: 696674
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.6
119 34.0 25.9 38.9



#64
Tetrachloroethene
Concen: 6.109 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion:164 Resp: 37969
Ion Ratio Lower Upper
164 100
166 117.0 101.0 151.6
129 95.2 68.2 102.4
131 87.8 66.9 100.3

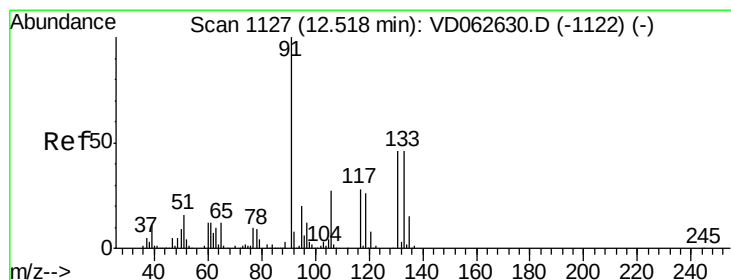
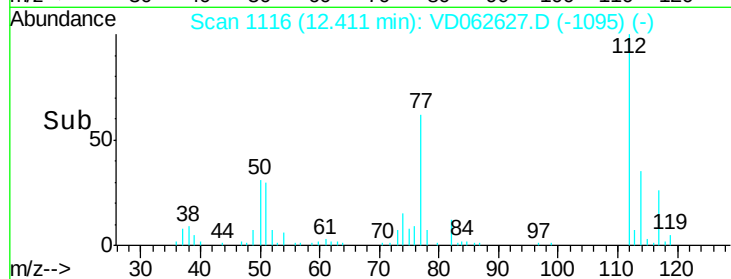
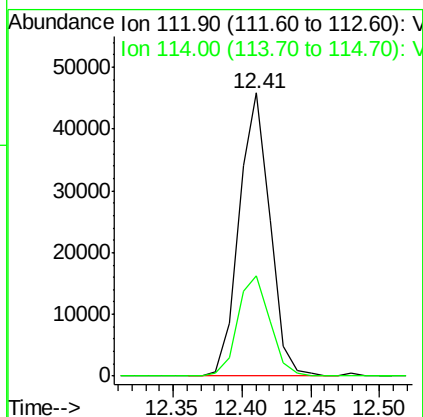
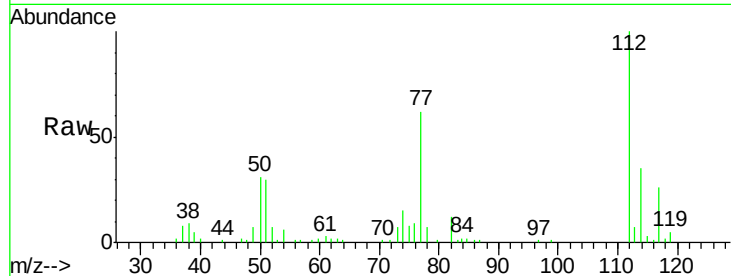




#65
Chlorobenzene
Concen: 4.978 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

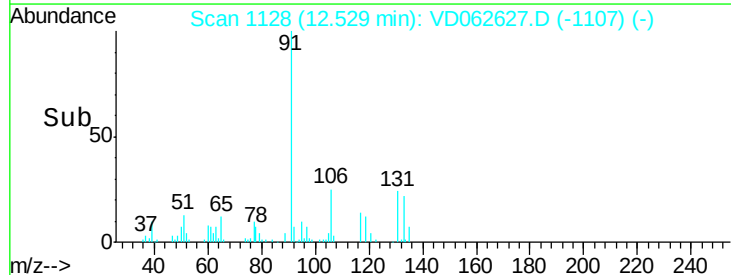
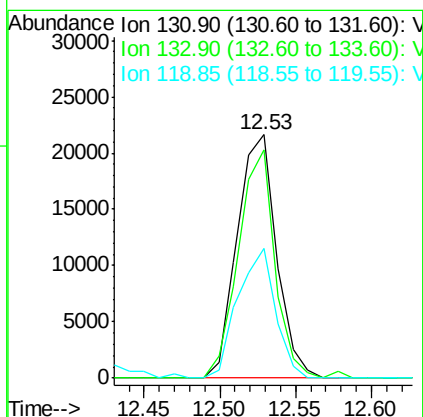
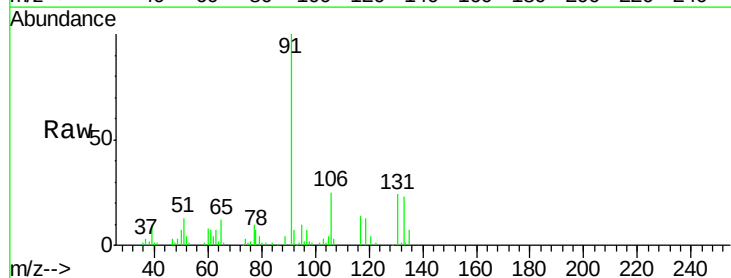
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

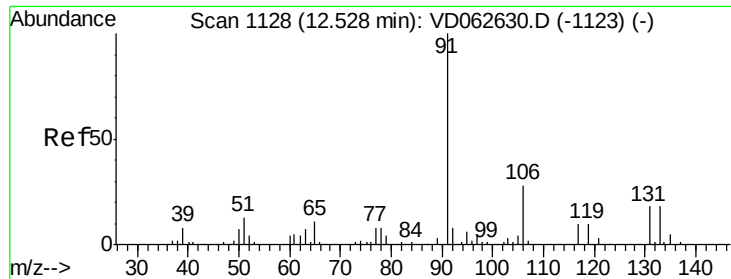
Tot Ion:112 Resp: 71247
Ion Ratio Lower Upper
112 100
114 35.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 5.643 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion:131 Resp: 38958
Ion Ratio Lower Upper
131 100
133 94.0 49.9 149.7
119 53.1 28.0 84.0

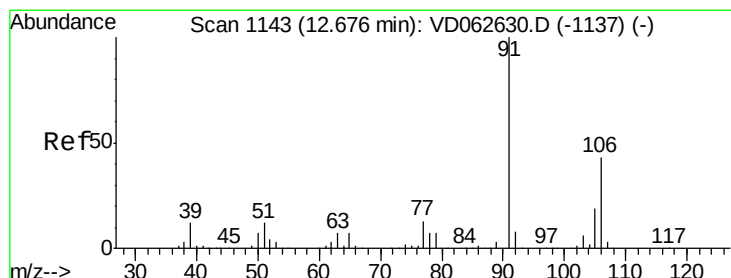
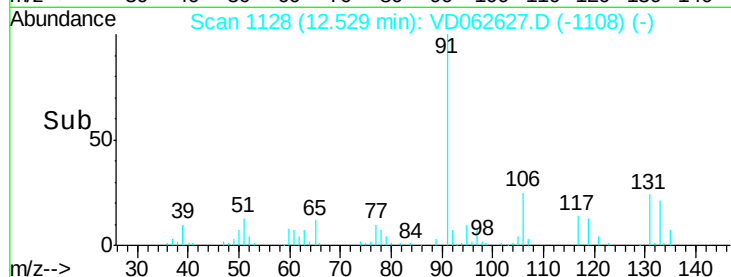
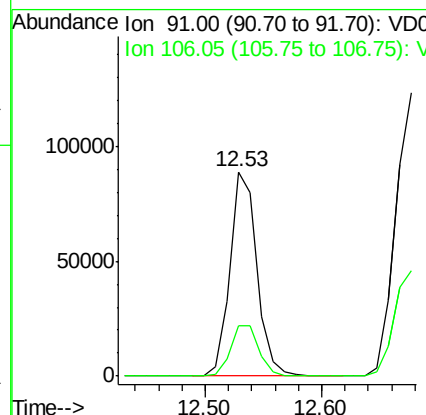
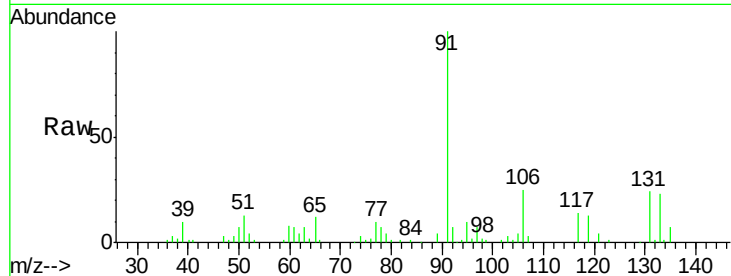




#67
Ethyl Benzene
Concen: 5.466 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

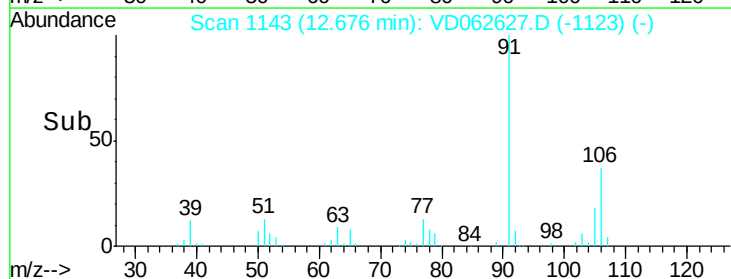
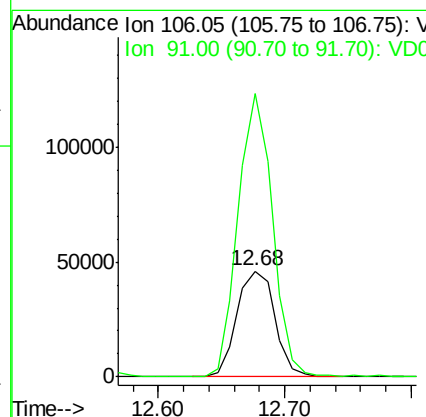
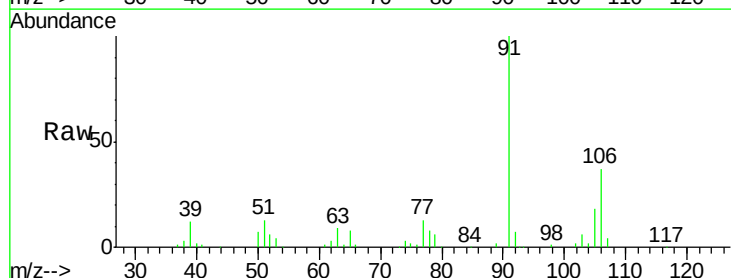
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

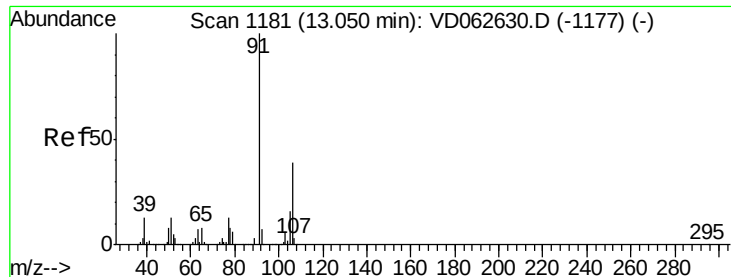
Tot Ion: 91 Resp: 142405
Ion Ratio Lower Upper
91 100
106 24.9 22.2 33.2



#68
m/p-Xylenes
Concen: 10.611 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion: 106 Resp: 95905
Ion Ratio Lower Upper
106 100
91 268.1 184.7 277.1

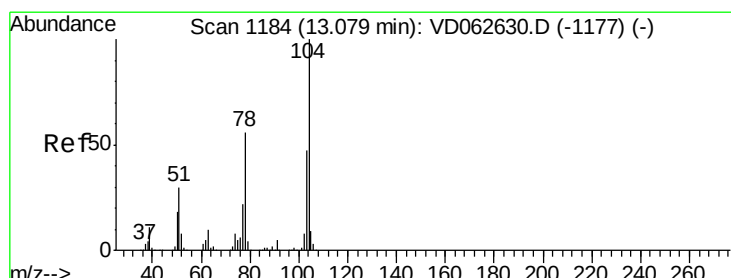
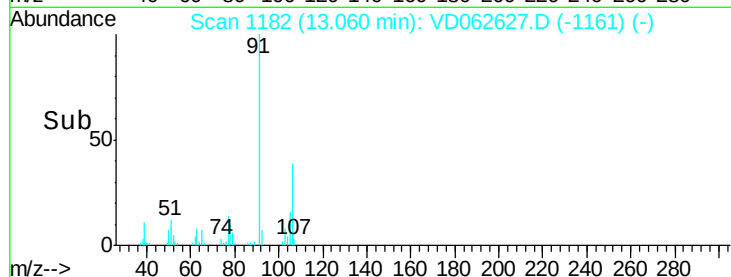
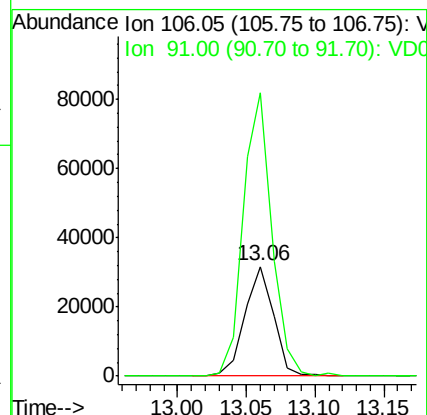
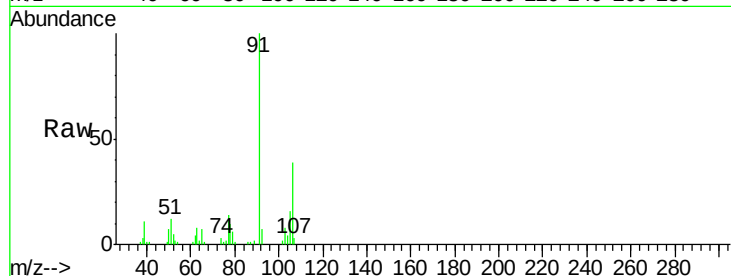




#69
o-Xylene
Concen: 5.370 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

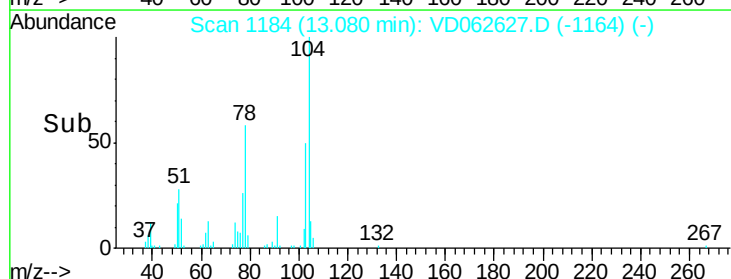
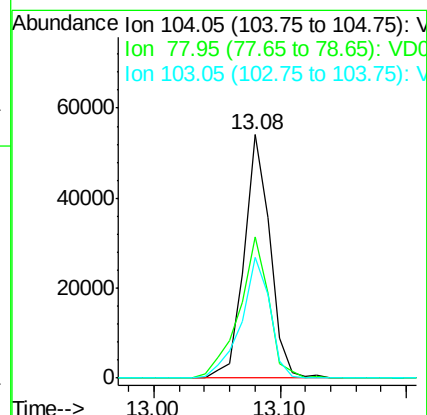
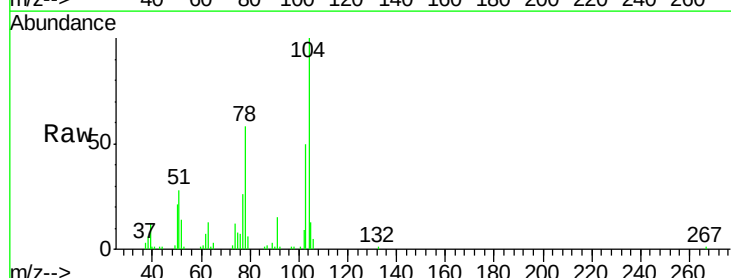
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

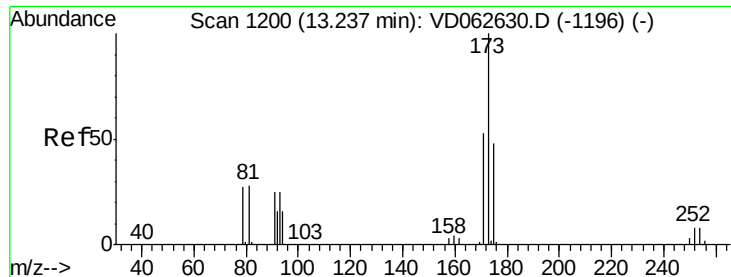
Tot Ion:106 Resp: 46535
Ion Ratio Lower Upper
106 100
91 257.5 127.0 380.9



#70
Styrene
Concen: 5.227 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion:104 Resp: 76370
Ion Ratio Lower Upper
104 100
78 58.1 44.4 66.6
103 49.8 37.4 56.0





#71

Bromoform

Concen: 5.305 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

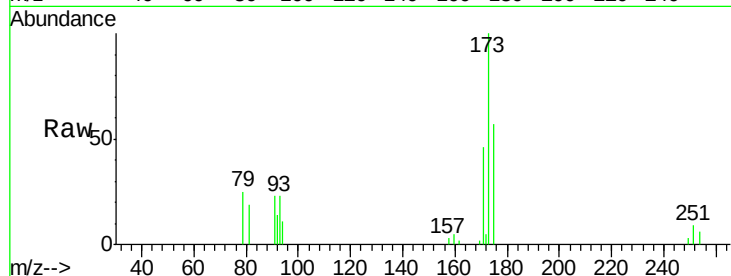
Tot Ion:173 Resp: 25019

Ion Ratio Lower Upper

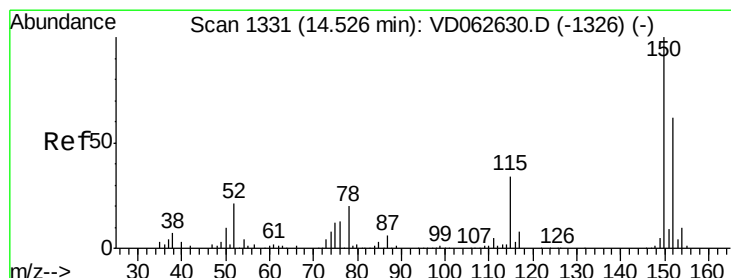
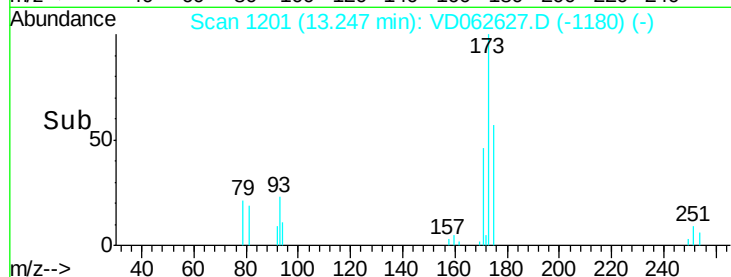
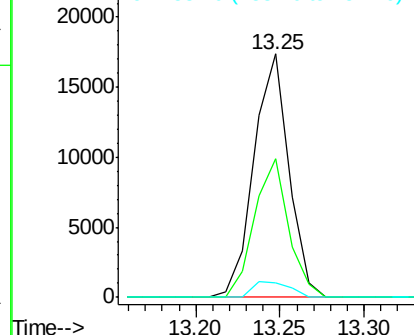
173 100

175 57.0 23.9 71.8

254 5.9 6.2 9.2#



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: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

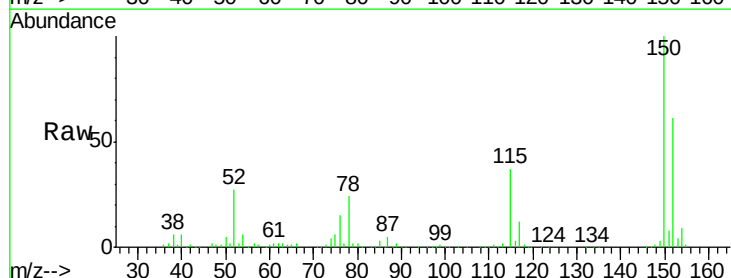
Tgt Ion:152 Resp: 347368

Ion Ratio Lower Upper

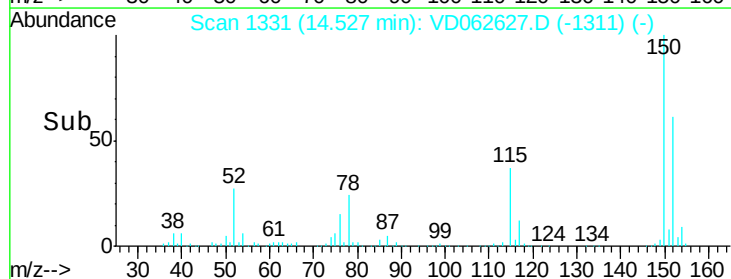
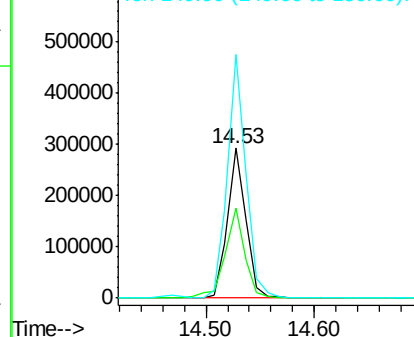
152 100

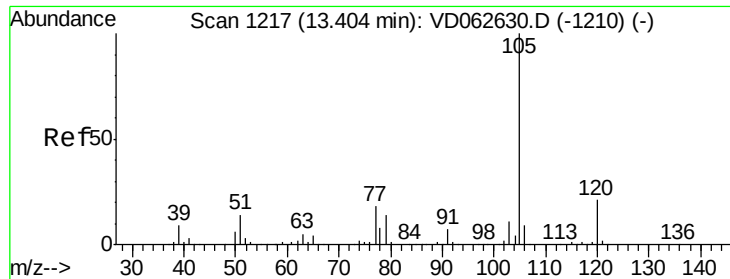
115 60.5 28.7 86.1

150 162.6 0.0 328.8



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: 6.322 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

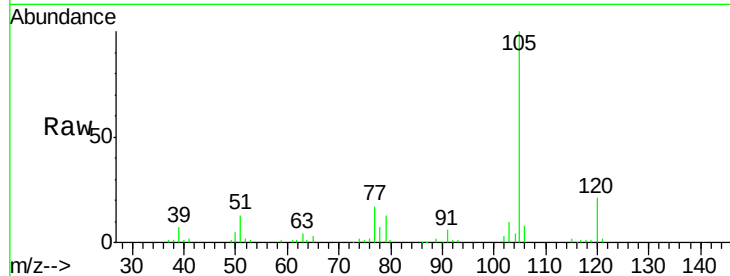
VSTDIC005

Tot Ion:105 Resp: 151683

Ion Ratio Lower Upper

105 100

120 21.0 10.4 31.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

120000

100000

80000

60000

40000

20000

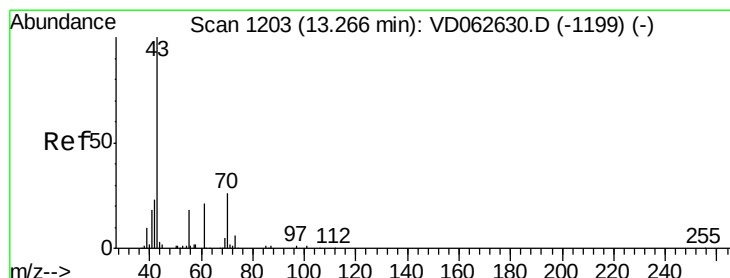
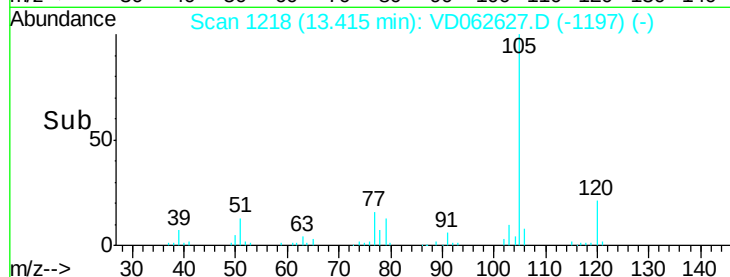
0

13.41

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 5.009 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Tgt Ion: 43 Resp: 31085

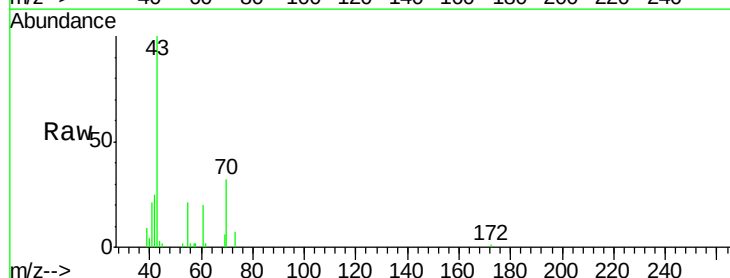
Ion Ratio Lower Upper

43 100

70 31.5 21.0 31.6

55 20.5 14.6 21.8

61 20.1 16.5 24.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

30000

20000

10000

0

13.28

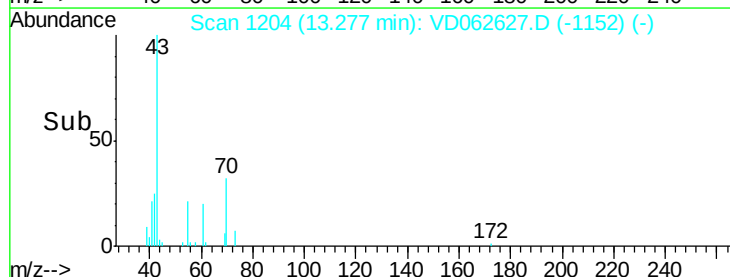
13.20

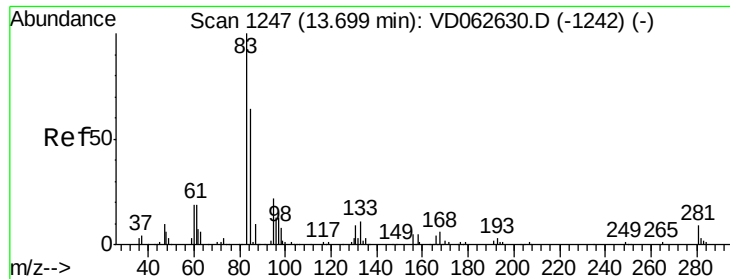
13.25

13.30

13.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 6.417 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

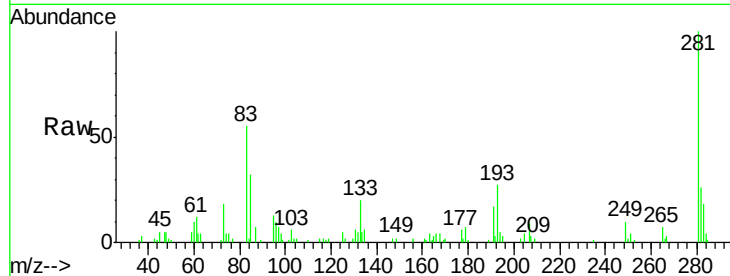
Tot Ion: 83 Resp: 25676

Ion Ratio Lower Upper

83 100

131 9.9 4.6 13.8

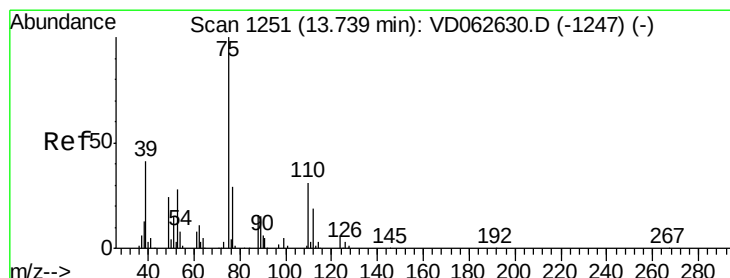
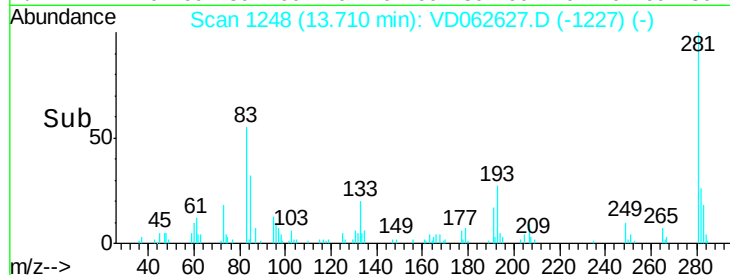
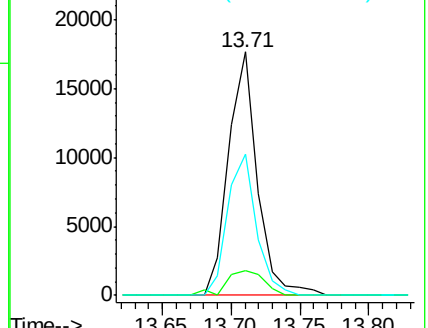
85 58.1 32.0 96.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 5.999 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062627.D

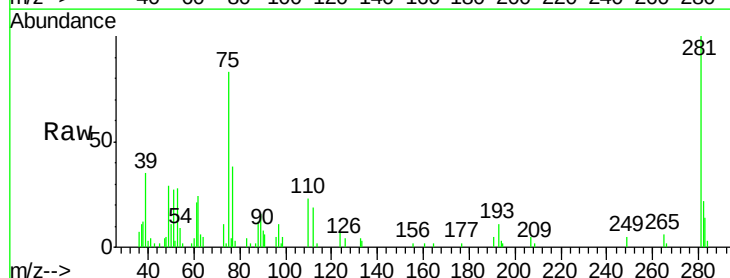
Acq: 6 Jun 2019 16:26

Tgt Ion: 75 Resp: 27287

Ion Ratio Lower Upper

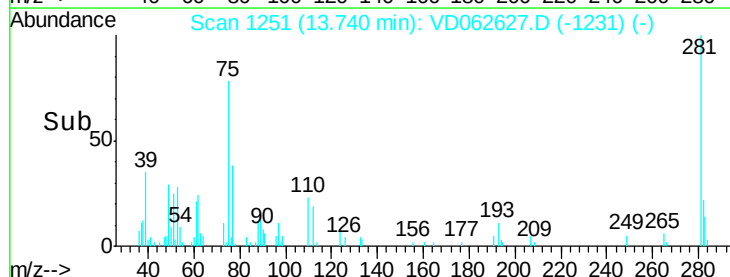
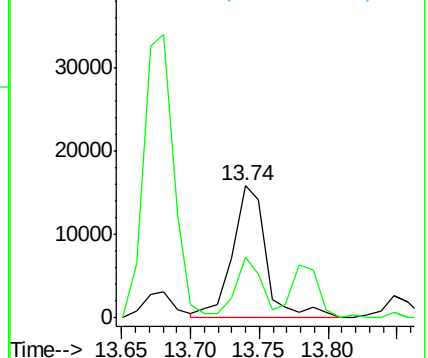
75 100

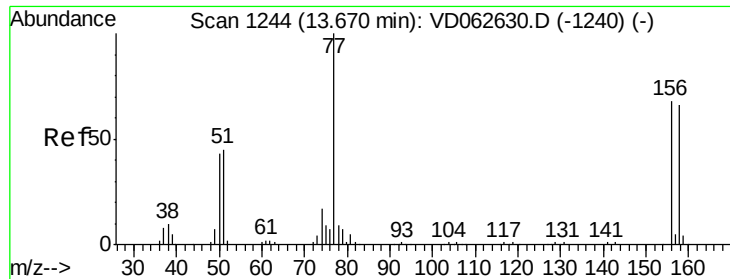
77 45.7 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 6.218 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

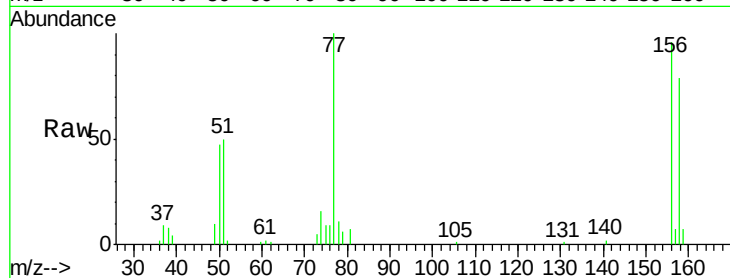
Tot Ion:156 Resp: 41242

Ion Ratio Lower Upper

156 100

77 104.7 73.5 220.3

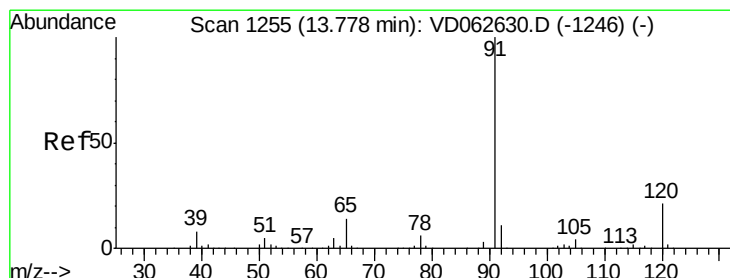
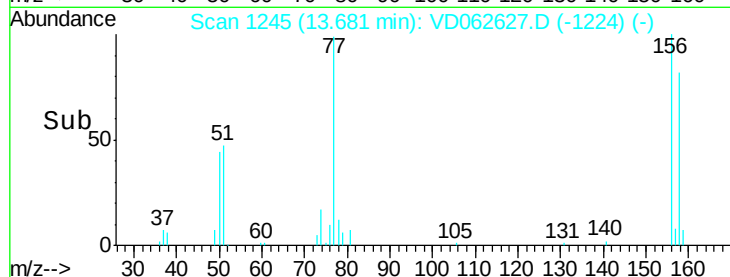
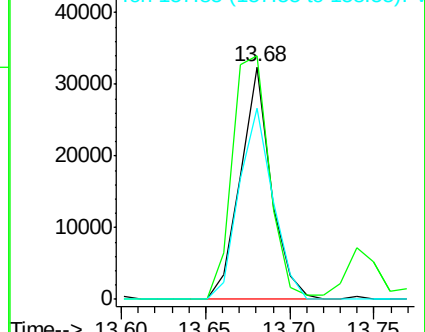
158 82.3 48.2 144.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 6.084 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062627.D

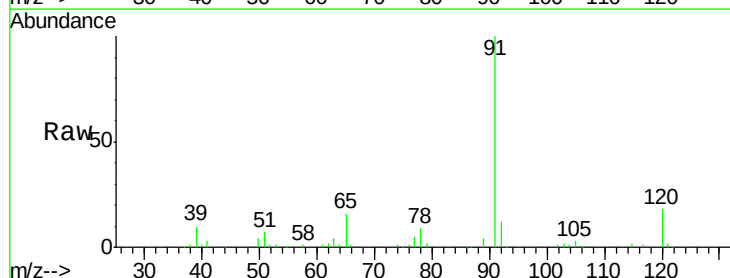
Acq: 6 Jun 2019 16:26

Tgt Ion: 91 Resp: 171383

Ion Ratio Lower Upper

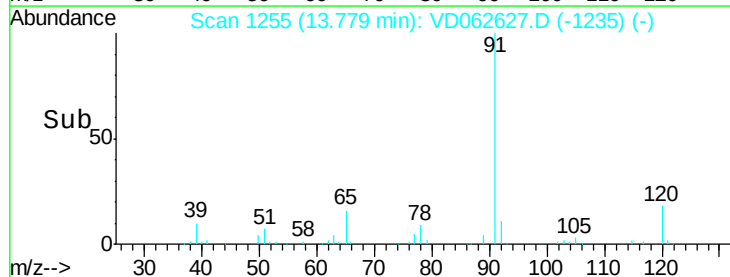
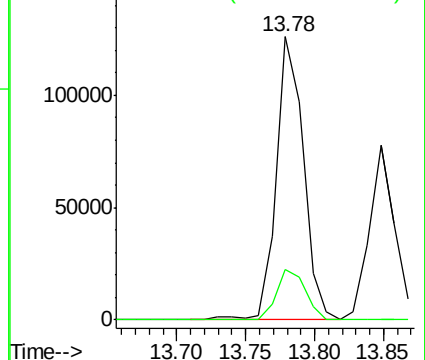
91 100

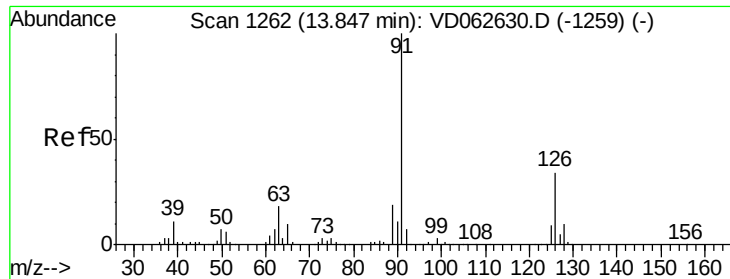
120 17.8 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 5.914 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

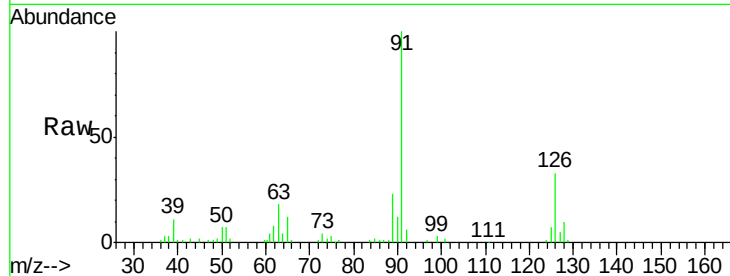
VSTDIC005

Tot Ion: 91 Resp: 99524

Ion Ratio Lower Upper

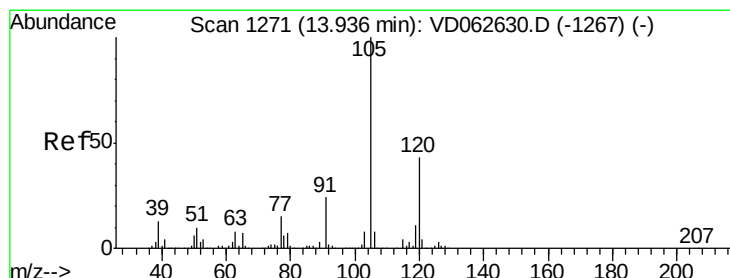
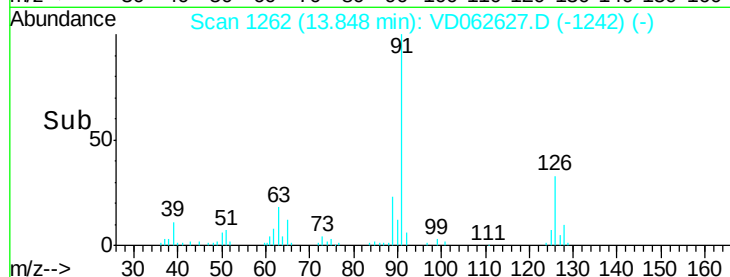
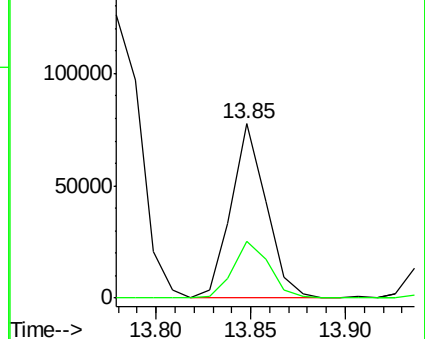
91 100

126 32.6 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 5.884 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062627.D

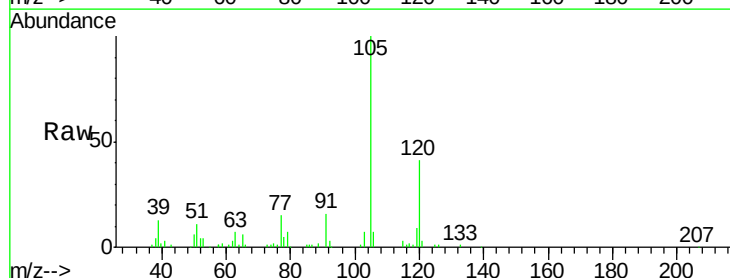
Acq: 6 Jun 2019 16:26

Tgt Ion: 105 Resp: 124407

Ion Ratio Lower Upper

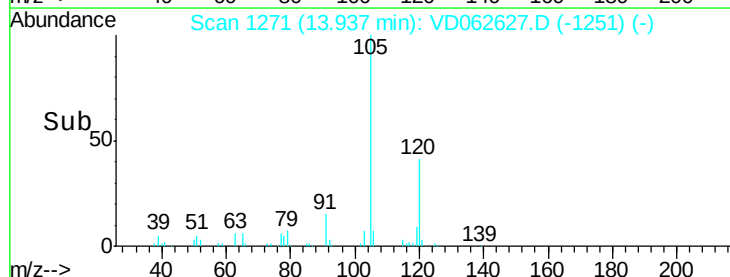
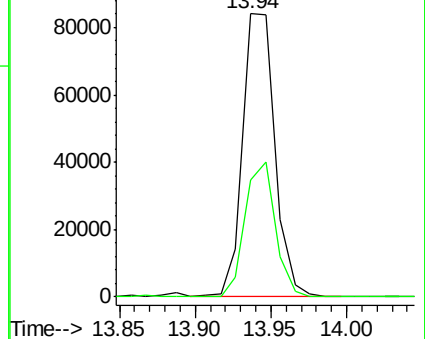
105 100

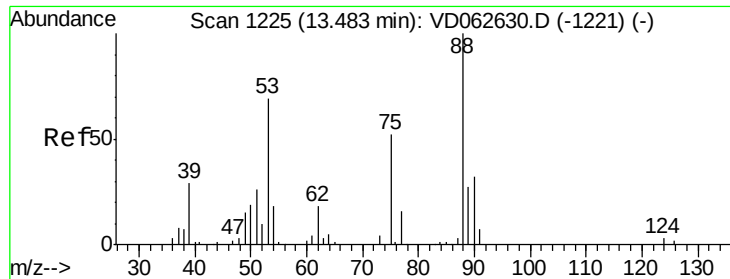
120 41.1 21.3 64.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

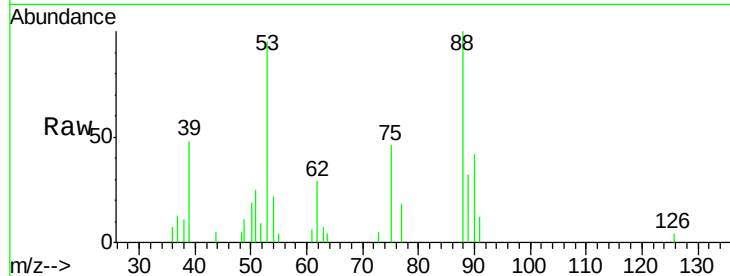




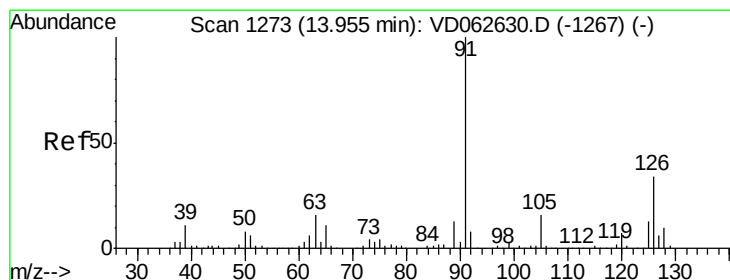
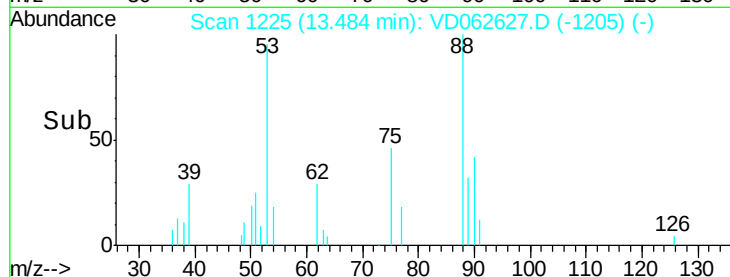
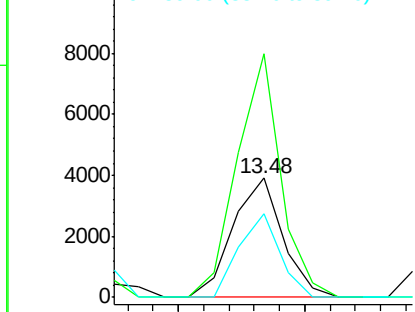
#81
trans-1,4-Dichloro-2-butene
Concen: 4.676 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 5386
Ion Ratio Lower Upper
75 100
53 204.1 105.6 158.4#
89 69.7 40.9 61.3#

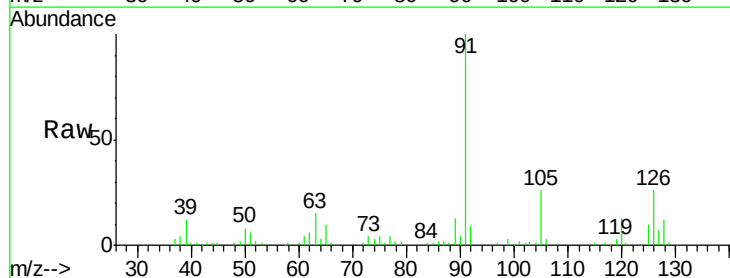


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

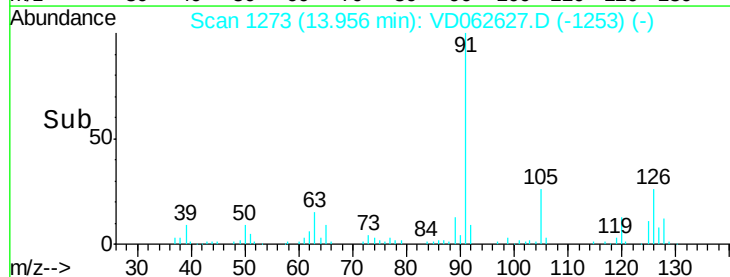
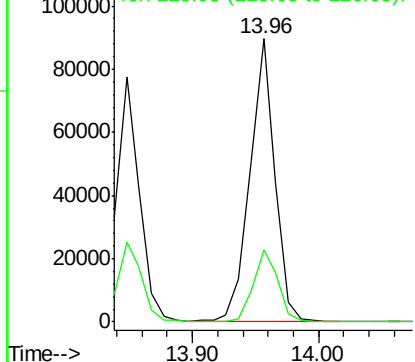


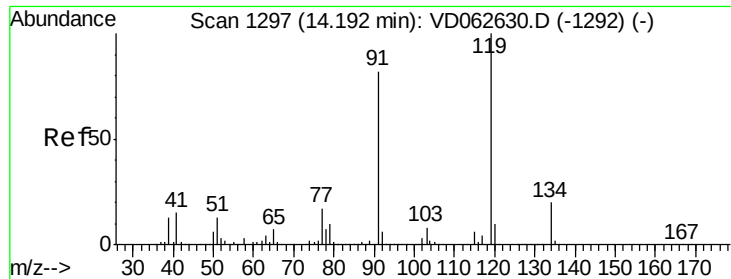
#82
4-Chlorotoluene
Concen: 6.140 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion: 91 Resp: 123299
Ion Ratio Lower Upper
91 100
126 25.7 17.2 51.6



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

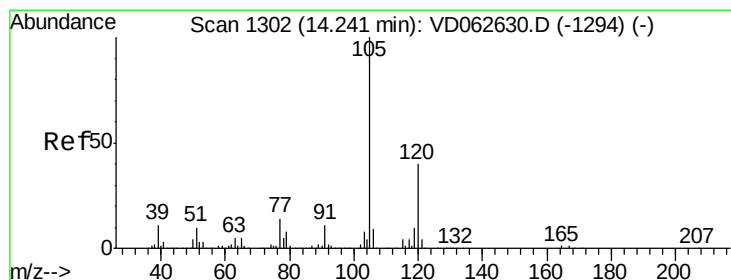
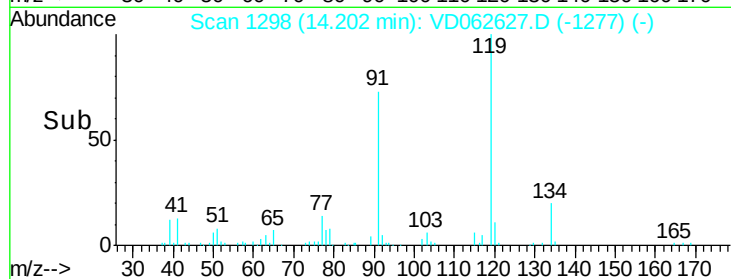
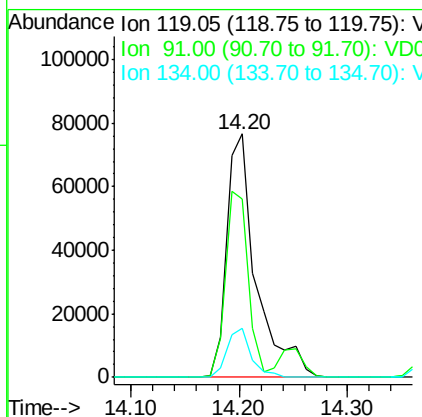
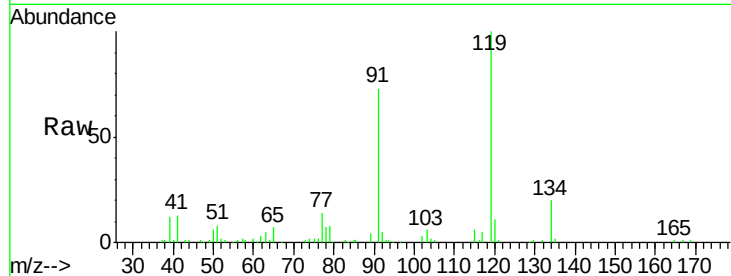




#83
 tert-Butylbenzene
 Concen: 6.304 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

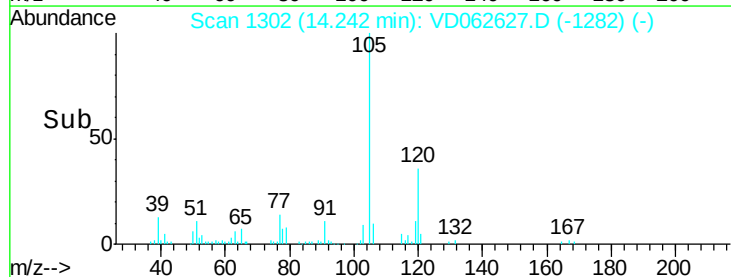
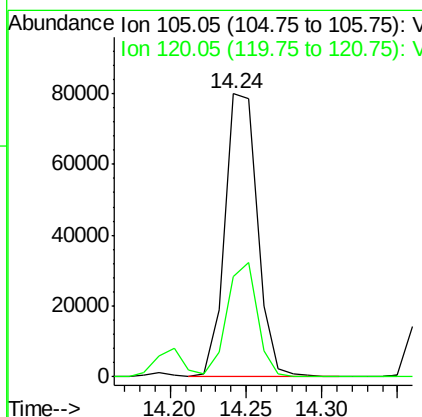
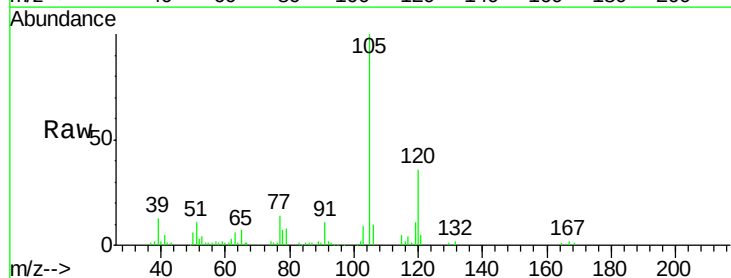
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

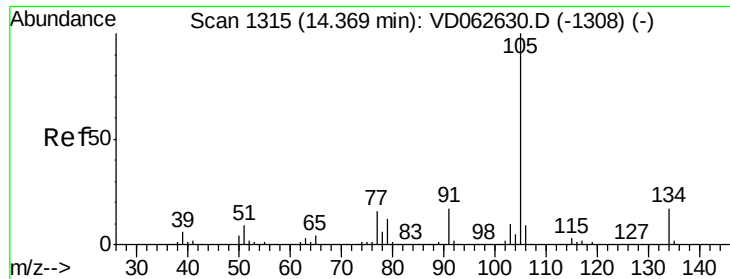
Tot Ion:119 Resp: 144445
 Ion Ratio Lower Upper
 119 100
 91 73.2 40.8 122.5
 134 19.9 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 5.634 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

Tgt Ion:105 Resp: 119270
 Ion Ratio Lower Upper
 105 100
 120 35.6 20.0 59.9





#85

sec-Butylbenzene

Concen: 6.175 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

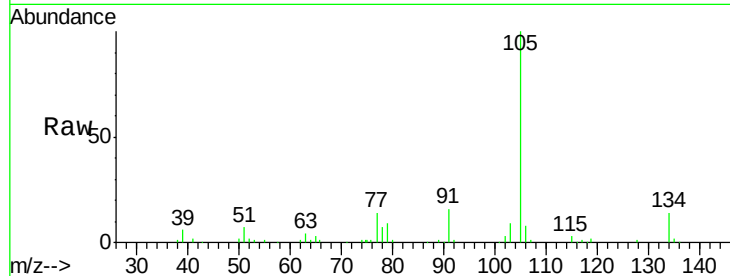
VSTDIC005

Tot Ion:105 Resp: 146571

Ion Ratio Lower Upper

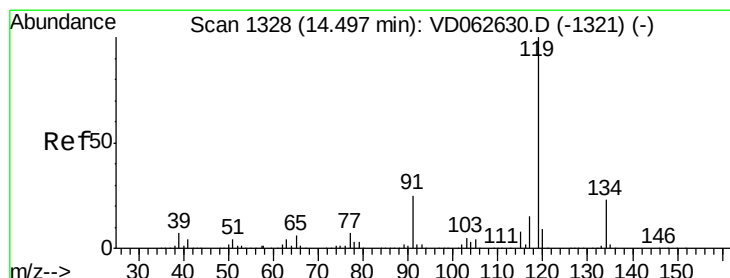
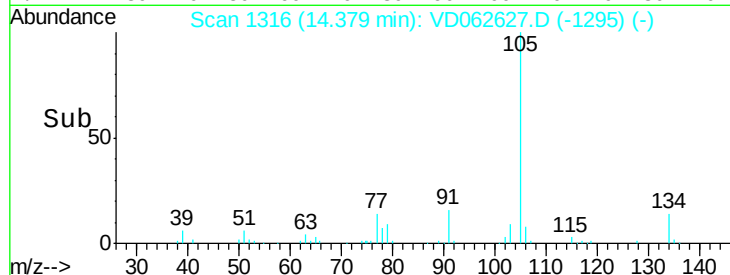
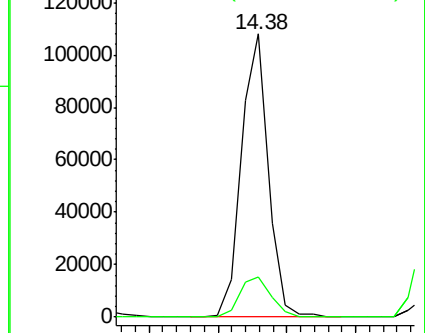
105 100

134 14.3 8.5 25.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 6.310 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD062627.D

Acq: 6 Jun 2019 16:26

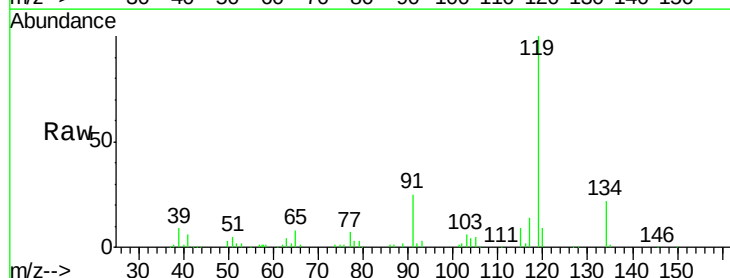
Tgt Ion:119 Resp: 143858

Ion Ratio Lower Upper

119 100

134 22.3 11.3 33.8

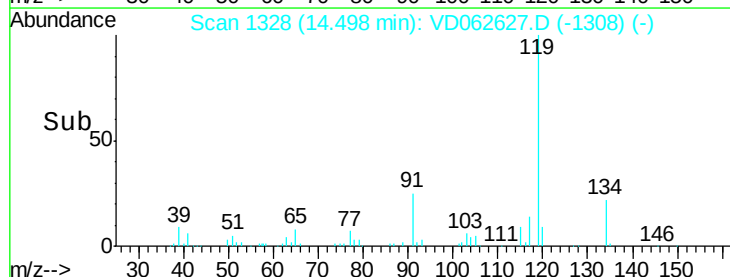
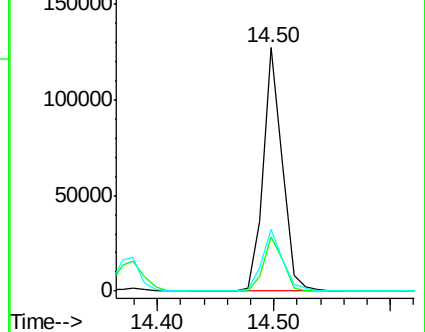
91 25.4 12.8 38.3

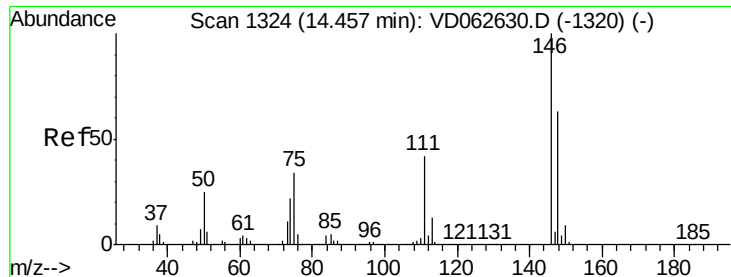


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

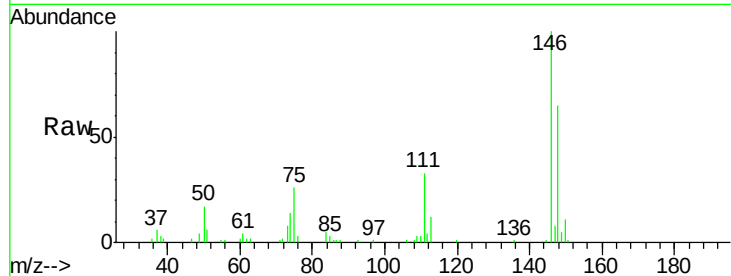




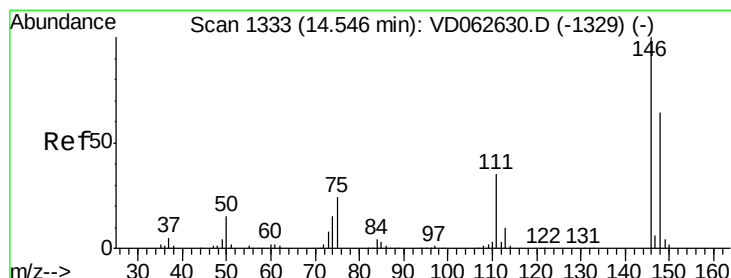
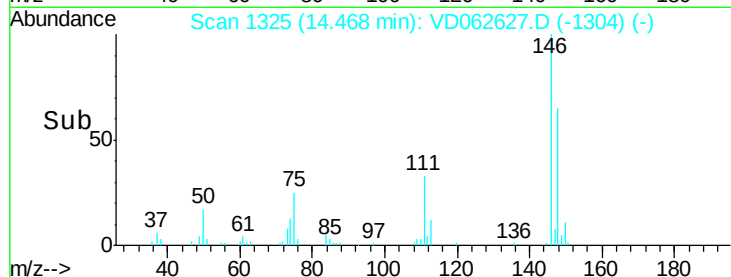
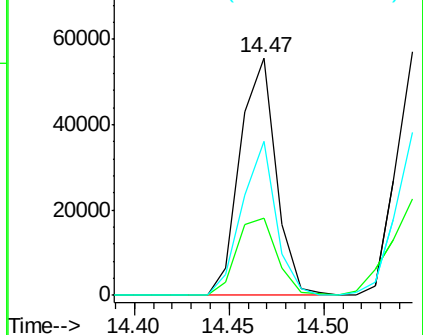
#87
 1,3-Dichlorobenzene
 Concen: 6.414 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 73326
 Ion Ratio Lower Upper
 146 100
 111 32.7 20.8 62.5
 148 64.7 31.7 95.1

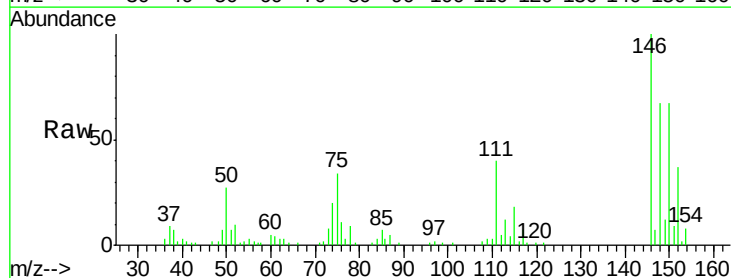


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

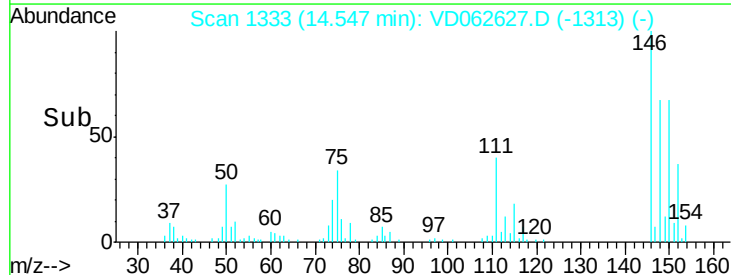
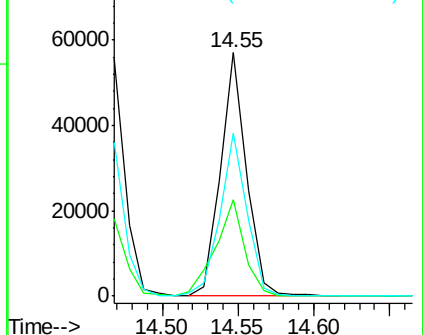


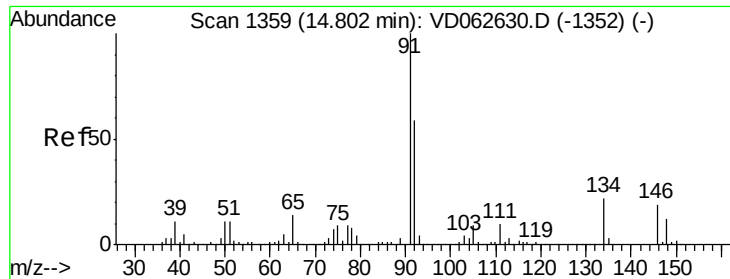
#88
 1,4-Dichlorobenzene
 Concen: 5.945 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

Tgt Ion:146 Resp: 67998
 Ion Ratio Lower Upper
 146 100
 111 39.5 17.5 52.6
 148 66.8 31.9 95.7



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

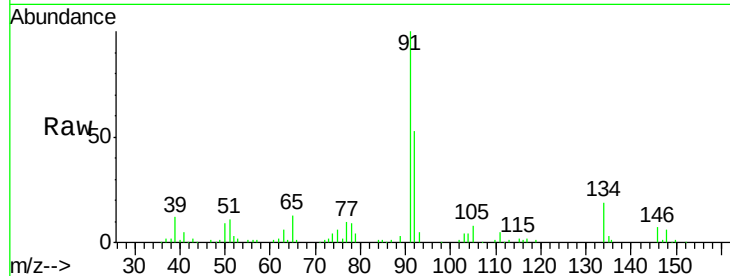




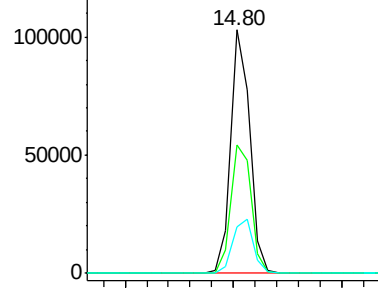
#89
n-Butylbenzene
Concen: 6.126 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

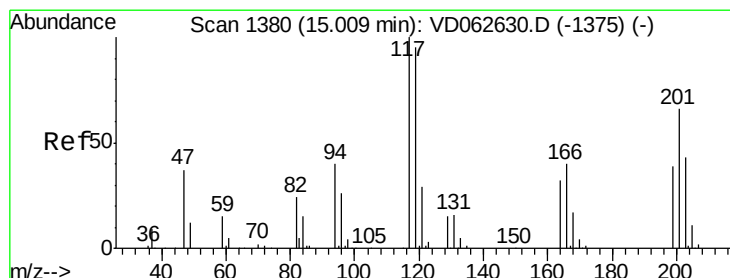
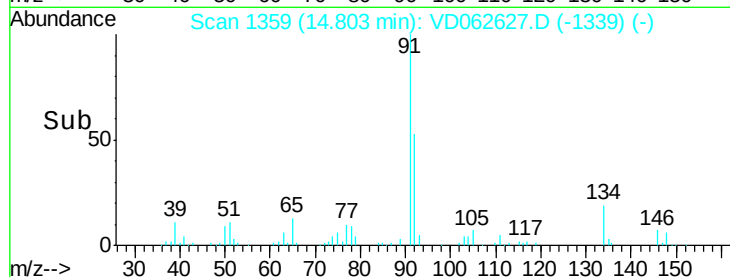
Tot Ion: 91 Resp: 127598
Ion Ratio Lower Upper
91 100
92 52.8 29.3 87.8
134 19.1 11.3 33.8



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

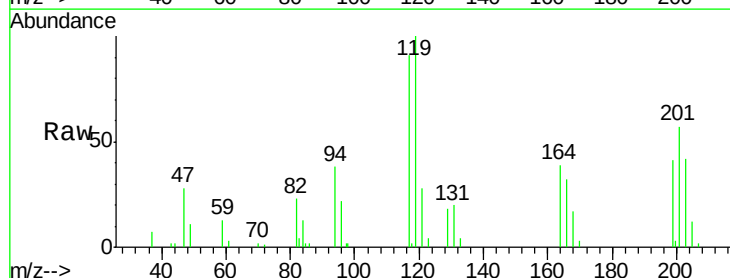


Time-->

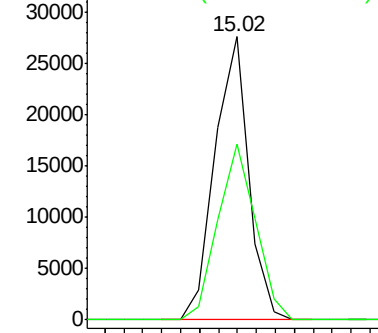


#90
Hexachloroethane
Concen: 5.718 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

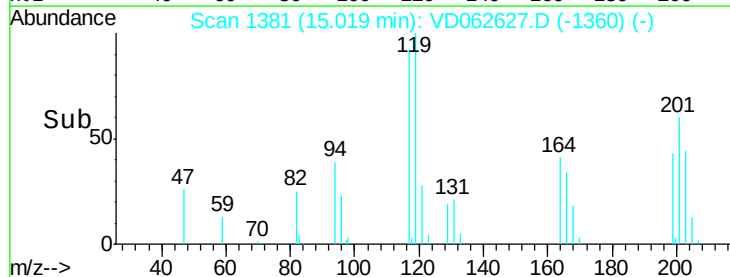
Tgt Ion: 117 Resp: 34038
Ion Ratio Lower Upper
117 100
201 62.0 32.8 98.4

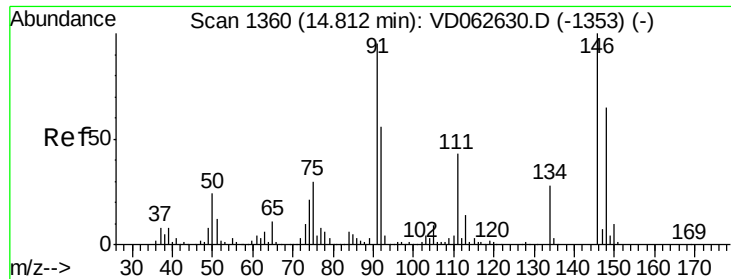


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V



Time-->

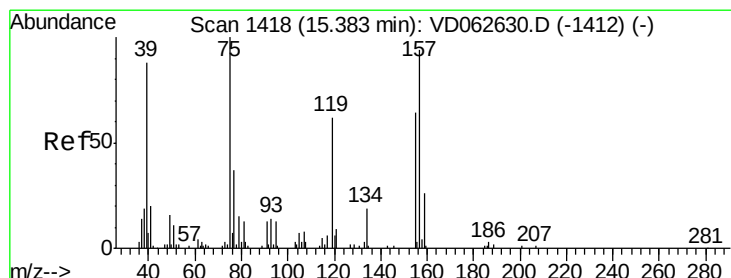
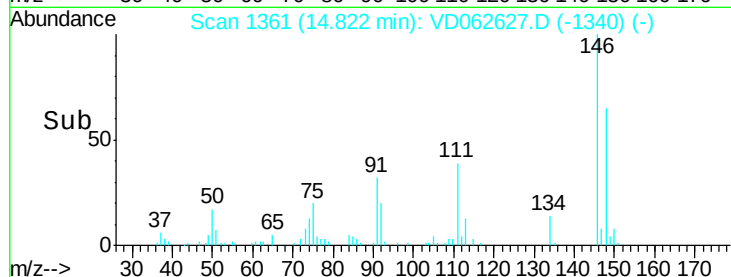
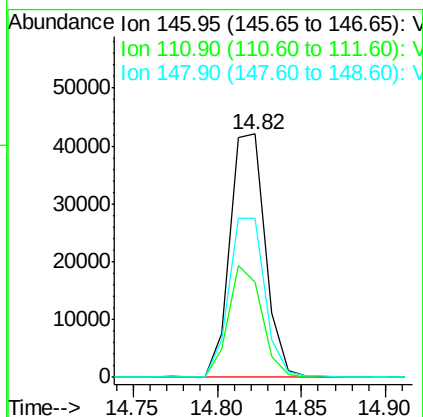
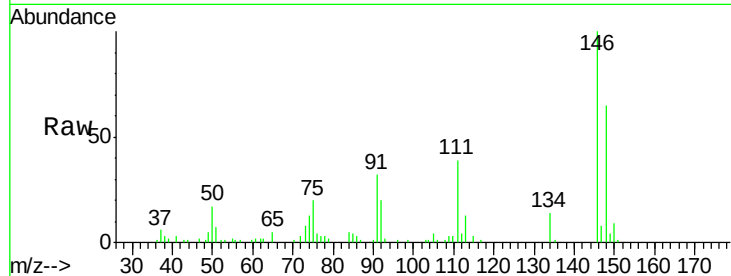




#91
 1,2-Dichlorobenzene
 Concen: 5.977 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

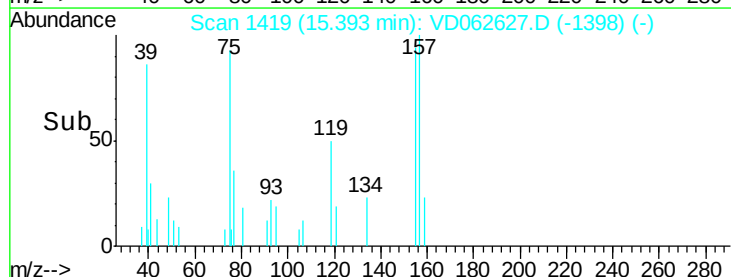
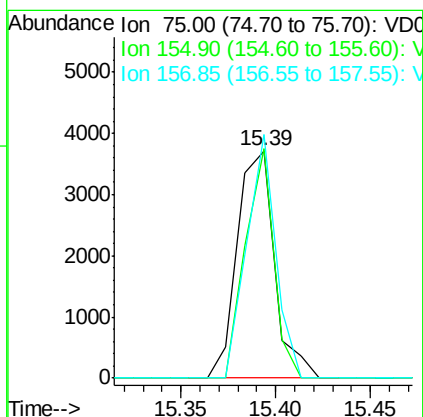
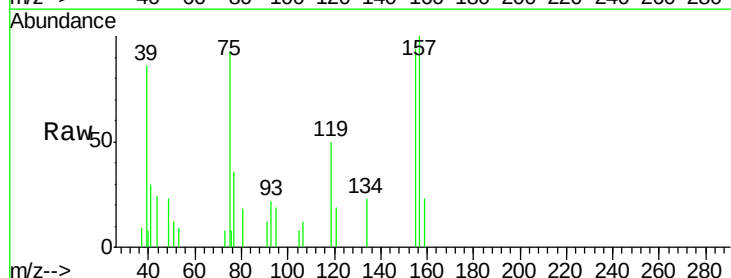
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

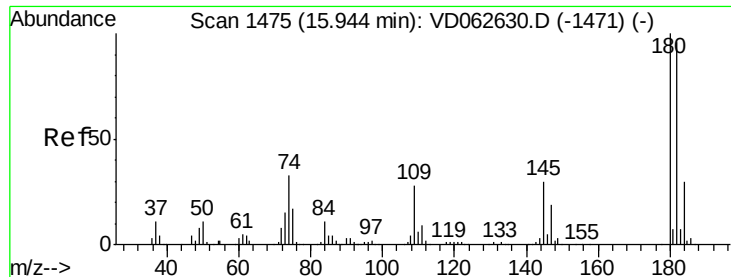
Tot Ion:146 Resp: 61342
 Ion Ratio Lower Upper
 146 100
 111 39.0 21.4 64.3
 148 65.3 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.170 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

Tgt Ion: 75 Resp: 5063
 Ion Ratio Lower Upper
 75 100
 155 100.8 32.2 96.6#
 157 107.0 47.0 141.0

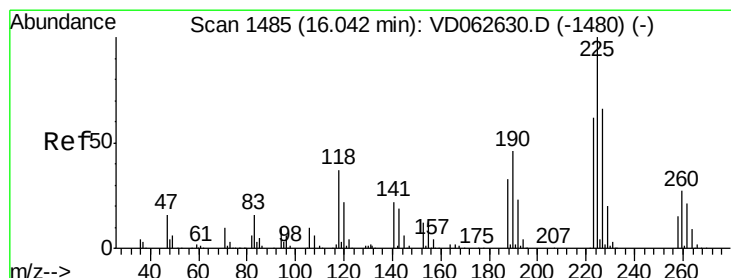
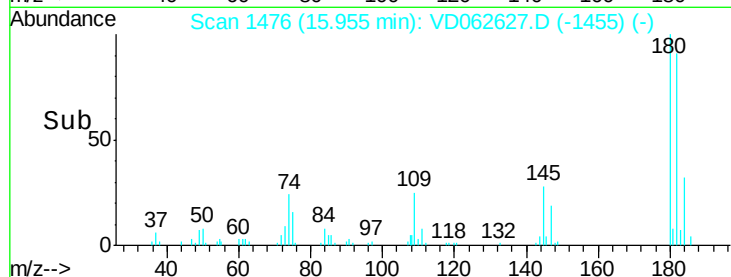
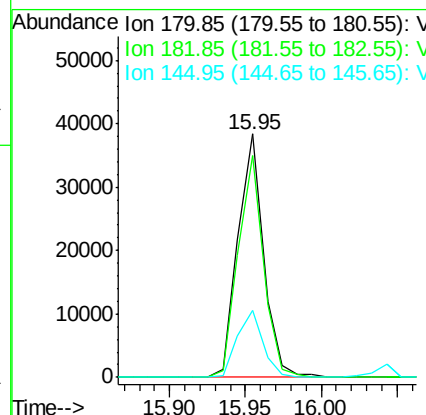
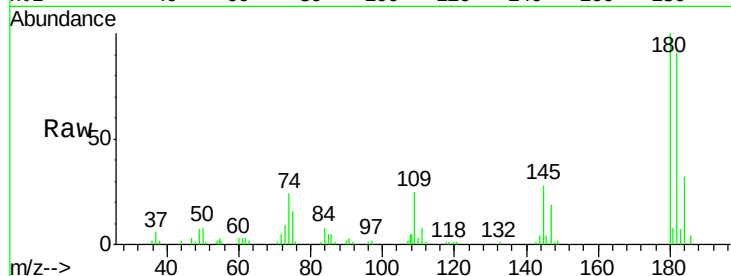




#93
 1,2,4-Trichlorobenzene
 Concen: 5.950 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

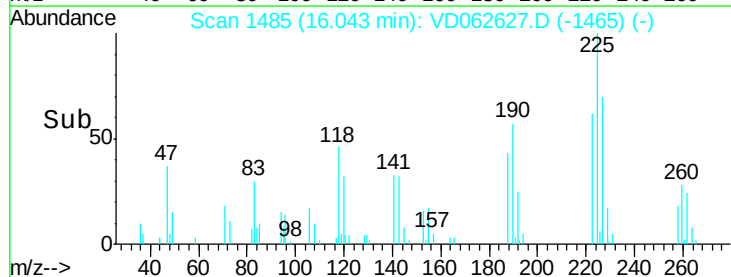
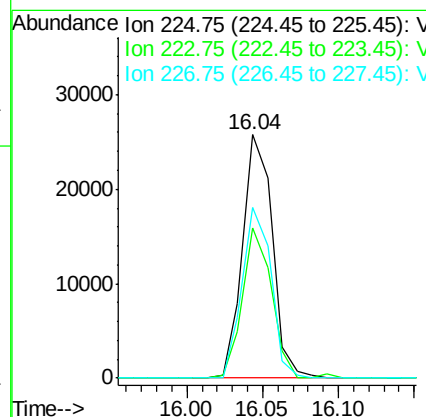
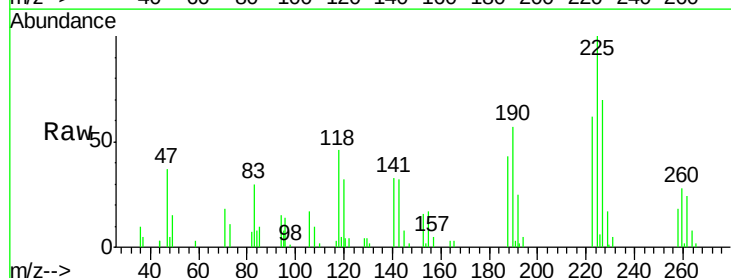
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

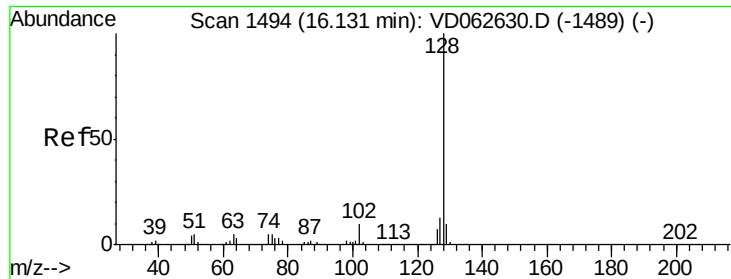
Tot Ion:180 Resp: 45065
 Ion Ratio Lower Upper
 180 100
 182 91.1 48.0 144.2
 145 32.0 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 6.200 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062627.D
 Acq: 6 Jun 2019 16:26

Tgt Ion:225 Resp: 35202
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.9 92.7
 227 70.0 32.9 98.7

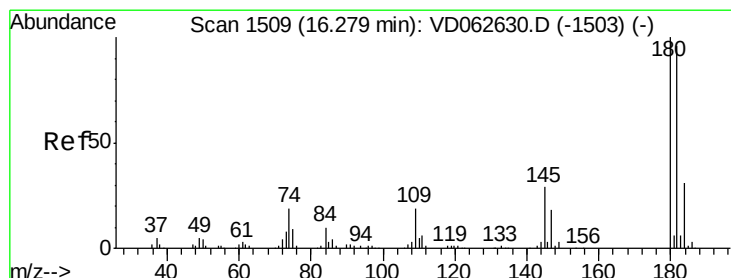
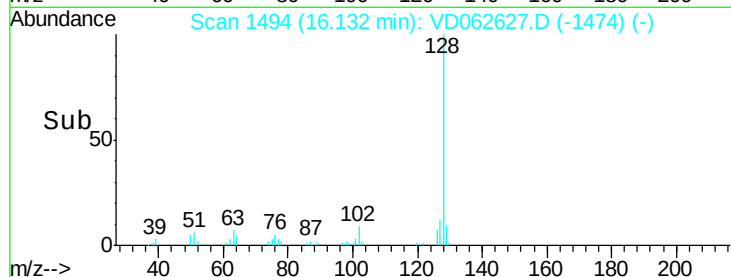
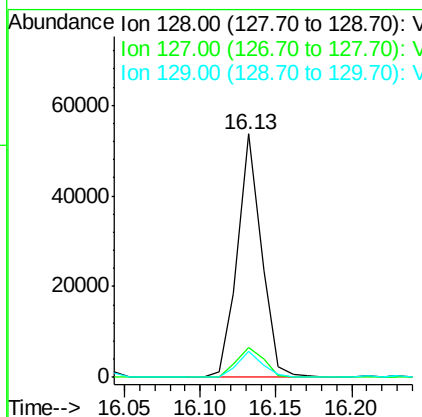
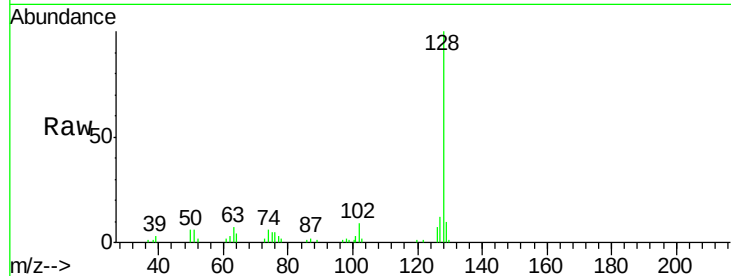




#95
Naphthalene
Concen: 5.519 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 59307
Ion Ratio Lower Upper
128 100
127 12.3 10.5 15.7
129 10.5 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 5.947 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VD062627.D
Acq: 6 Jun 2019 16:26

Tgt Ion:180 Resp: 34016
Ion Ratio Lower Upper
180 100
182 101.9 48.0 144.2
145 32.6 14.4 43.2

