

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071619\
 Data File : VD063100.D
 Acq On : 16 Jul 2019 12:21
 Operator : VA/AP
 Sample : VD0716SBS02
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

Quant Time: Jul 16 12:44:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	647591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	905833	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	728070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	435922	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	395480	49.02	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	6.91	113	434148	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	10.39	98	910913	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
62) 4-Bromofluorobenzene	13.54	95	425557	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	208621	29.482	ug/l	98
3) Chloromethane	1.74	50	163114	26.212	ug/l	96
4) Vinyl Chloride	1.84	62	152524	22.068	ug/l	98
5) Bromomethane	2.13	94	67186	23.779	ug/l #	91
6) Chloroethane	2.25	64	69617	21.684	ug/l	96
7) Trichlorofluoromethane	2.51	101	306642	21.916	ug/l	99
8) Diethyl Ether	2.85	74	45931	23.337	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.13	101	175134	21.708	ug/l	92
10) Methyl Iodide	3.29	142	218298	22.040	ug/l	94
11) Tert butyl alcohol	4.06	59	46106	99.034	ug/l #	79
12) 1,1-Dichloroethene	3.11	96	131170	22.896	ug/l	96
13) Acrolein	3.02	56	18378	130.793	ug/l	89
14) Allyl chloride	3.60	41	201846	22.417	ug/l	92
15) Acrylonitrile	4.18	53	107541	104.499	ug/l	90
16) Acetone	3.22	43	189716	97.370	ug/l #	92
17) Carbon Disulfide	3.35	76	369061	22.506	ug/l	99
18) Methyl Acetate	3.63	43	92100	33.815	ug/l #	90
19) Methyl tert-butyl Ether	4.23	73	310670	21.482	ug/l	99
20) Methylene Chloride	3.80	84	135808	18.450	ug/l	99
21) trans-1,2-Dichloroethene	4.19	96	138859	21.834	ug/l	87
22) Diisopropyl ether	5.10	45	448765	22.924	ug/l	93
23) Vinyl Acetate	5.04	43	1213983	106.293	ug/l	98
24) 1,1-Dichloroethane	4.96	63	278497	23.095	ug/l #	96
25) 2-Butanone	6.06	43	193879	104.204	ug/l	100
26) 2,2-Dichloropropane	6.00	77	286864	21.495	ug/l	96
27) cis-1,2-Dichloroethene	6.01	96	159476	22.043	ug/l	91
28) Bromochloromethane	6.42	49	95863	21.912	ug/l #	90
29) Tetrahydrofuran	6.45	42	92593	109.784	ug/l	99
30) Chloroform	6.64	83	337004	22.692	ug/l	88
31) Cyclohexane	6.94	56	159465	20.765	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	309352	21.124	ug/l	96
36) 1,1-Dichloropropene	7.12	75	213687	20.975	ug/l	91
37) Ethyl Acetate	6.17	43	97409	22.341	ug/l #	89
38) Carbon Tetrachloride	7.09	117	308368	19.920	ug/l	89

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Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

Quant Time: Jul 16 12:44:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	170216	19.326	ug/l	93
40) Benzene	7.44	78	454021	21.278	ug/l	96
41) Methacrylonitrile	6.44	41	125335	21.203	ug/l #	88
42) 1,2-Dichloroethane	7.56	62	234382	20.618	ug/l	97
43) Isopropyl Acetate	9.22	43	128178	20.510	ug/l #	97
44) Trichloroethene	8.52	130	181923	22.062	ug/l	90
45) 1,2-Dichloropropane	8.93	63	113566	21.348	ug/l #	83
46) Dibromomethane	9.04	93	94848	20.748	ug/l	92
47) Bromodichloromethane	9.36	83	252855	21.196	ug/l	99
48) Methyl methacrylate	9.10	41	82344	20.064	ug/l #	84
49) 1,4-Dioxane	9.06	88	14488	409.332	ug/l #	77
51) 4-Methyl-2-Pentanone	10.28	43	439059	105.924	ug/l	96
52) Toluene	10.49	92	313479	22.001	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	218436	21.372	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	220380	20.854	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	105470	21.420	ug/l	97
56) Ethyl methacrylate	11.03	69	110698	20.121	ug/l #	83
57) 1,3-Dichloropropane	11.40	76	161711	21.583	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	278036	90.763	ug/l	98
59) 2-Hexanone	11.51	43	309822	96.919	ug/l	99
60) Dibromochloromethane	11.67	129	200430	21.235	ug/l	86
61) 1,2-Dibromoethane	11.79	107	132773	22.527	ug/l	94
64) Tetrachloroethene	11.24	164	151019	21.377	ug/l	97
65) Chlorobenzene	12.39	112	379241	22.159	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	178787	22.532	ug/l	99
67) Ethyl Benzene	12.51	91	640342	21.533	ug/l	97
68) m/p-Xylenes	12.66	106	479674	45.035	ug/l	93
69) o-Xylene	13.04	106	215648	21.352	ug/l	90
70) Styrene	13.06	104	366757	20.746	ug/l	94
71) Bromoform	13.23	173	127940	23.030	ug/l #	94
73) Isopropylbenzene	13.40	105	640071	19.013	ug/l	96
74) N-amyl acetate	13.26	43	171604	18.277	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	121485	19.834	ug/l	92
76) 1,2,3-Trichloropropane	13.72	75	127092	18.953	ug/l	96
77) Bromobenzene	13.66	156	187639	19.655	ug/l	90
78) n-propylbenzene	13.77	91	785906	20.286	ug/l	100
79) 2-Chlorotoluene	13.83	91	478902	20.445	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	592423	20.191	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	33364	18.894	ug/l	94
82) 4-Chlorotoluene	13.94	91	570052	20.841	ug/l	93
83) tert-Butylbenzene	14.18	119	654466	19.727	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	581759	19.888	ug/l	100
85) sec-Butylbenzene	14.36	105	668037	18.952	ug/l	98
86) p-Isopropyltoluene	14.49	119	659952	20.070	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	352753	20.690	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	345286	21.125	ug/l	95
89) n-Butylbenzene	14.79	91	607503	20.044	ug/l	98
90) Hexachloroethane	15.00	117	175082	19.917	ug/l	83
91) 1,2-Dichlorobenzene	14.80	146	310850	20.475	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	24370	20.757	ug/l	83

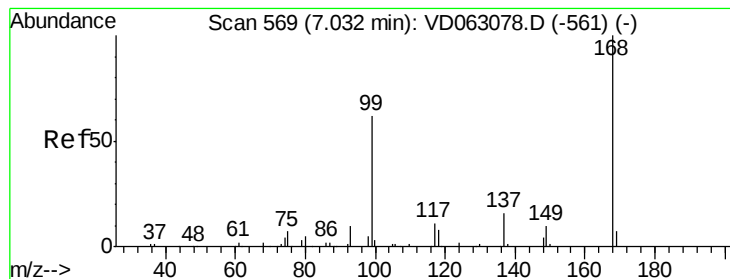
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071619\
Data File : VD063100.D
Acq On : 16 Jul 2019 12:21
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Sample : VD0716SBS02
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Quant Time: Jul 16 12:44:15 2019
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	213371	18.707	ug/l	96
94) Hexachlorobutadiene	16.03	225	153497	18.258	ug/l	97
95) Naphthalene	16.11	128	320510	19.210	ug/l	96
96) 1,2,3-Trichlorobenzene	16.26	180	181360	19.766	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

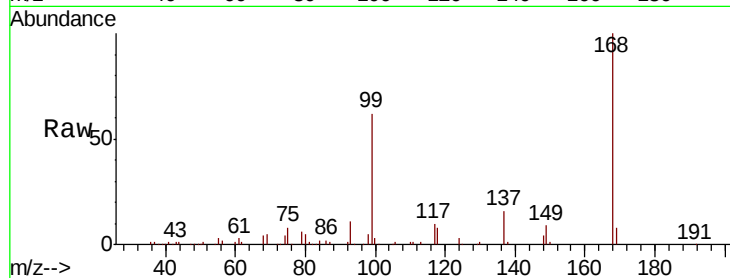
VD0716SBS02

Tgt Ion:168 Resp: 647591

Ion Ratio Lower Upper

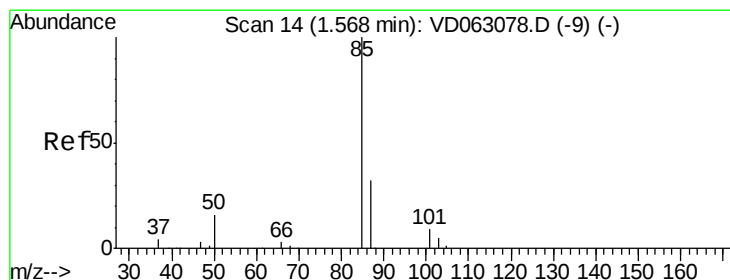
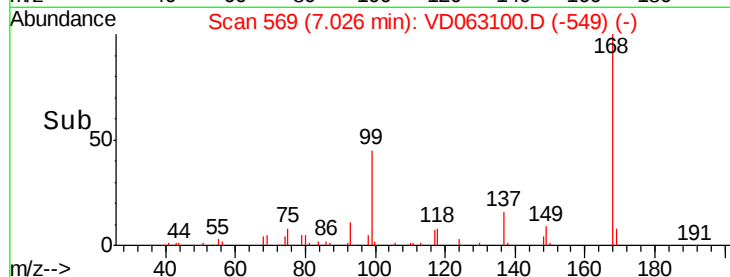
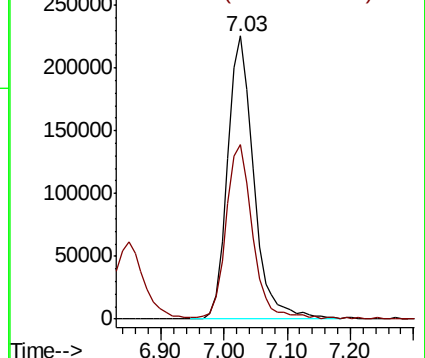
168 100

99 61.7 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 29.482 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063100.D

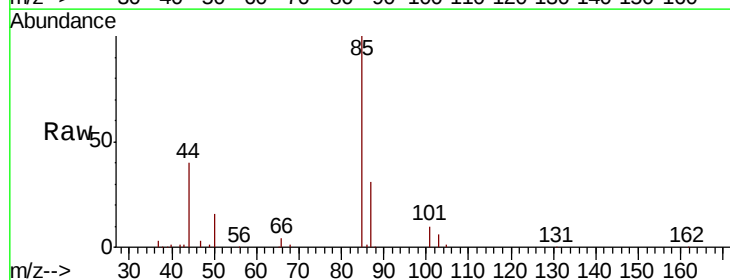
Acq: 16 Jul 2019 12:21

Tgt Ion: 85 Resp: 208621

Ion Ratio Lower Upper

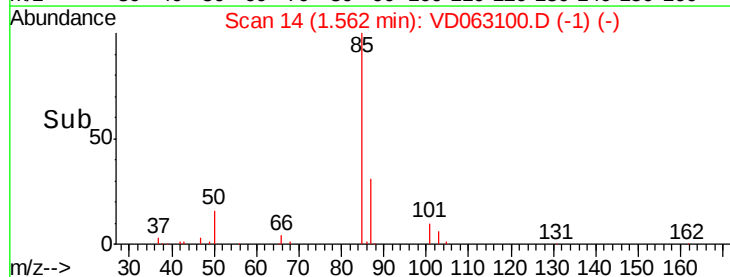
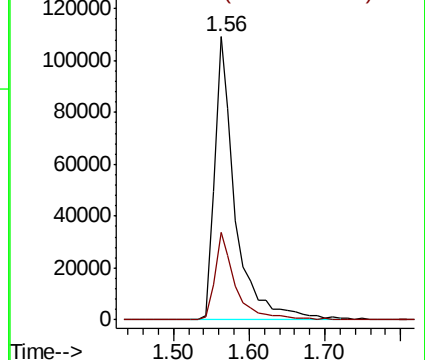
85 100

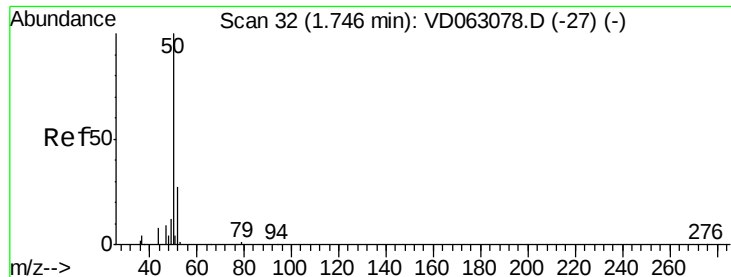
87 30.8 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 26.212 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

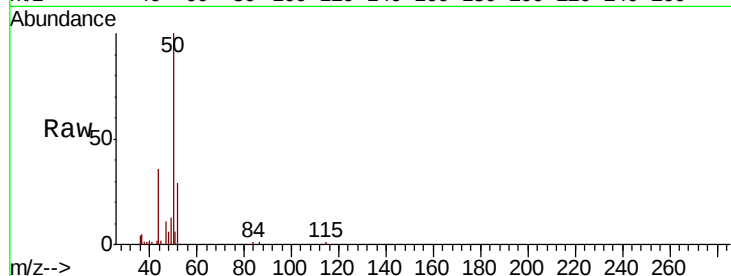
VD0716SBS02

Tgt Ion: 50 Resp: 163114

Ion Ratio Lower Upper

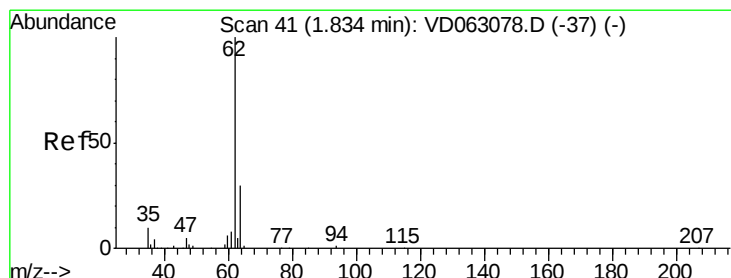
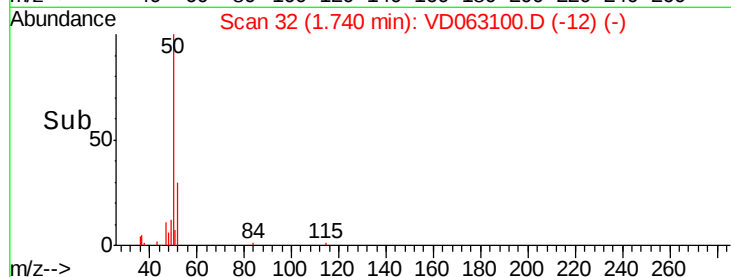
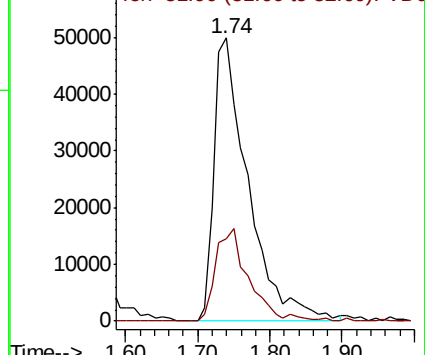
50 100

52 28.9 21.4 32.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.068 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063100.D

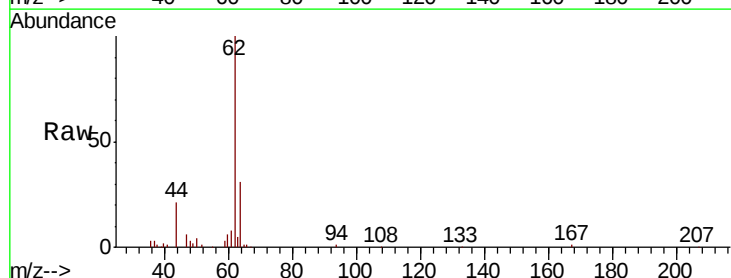
Acq: 16 Jul 2019 12:21

Tgt Ion: 62 Resp: 152524

Ion Ratio Lower Upper

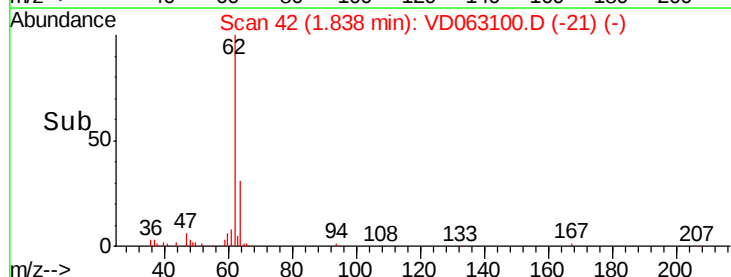
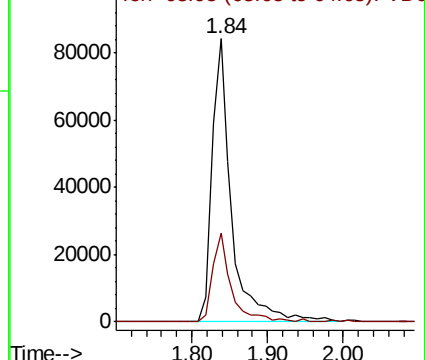
62 100

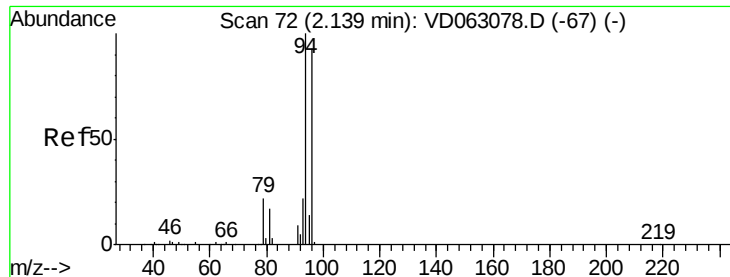
64 31.4 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 23.779 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

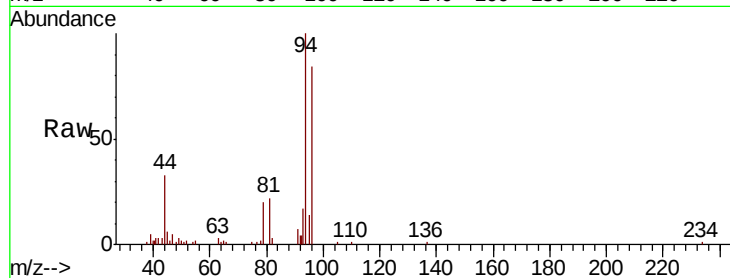
Tgt Ion: 94 Resp: 67186

Ion Ratio Lower Upper

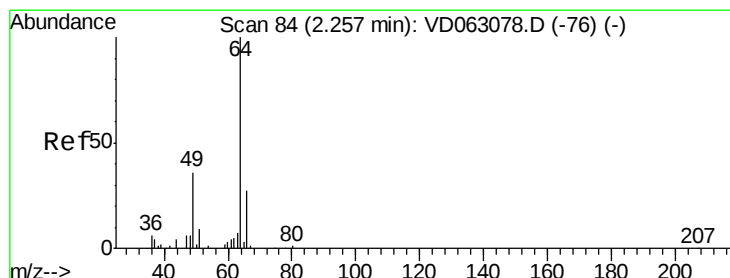
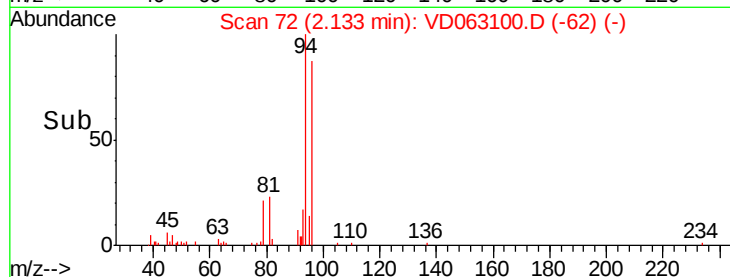
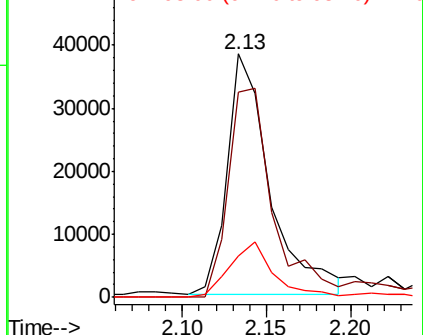
94 100

96 84.2 74.2 111.2

93 16.9 17.8 26.6#



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: 21.684 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063100.D

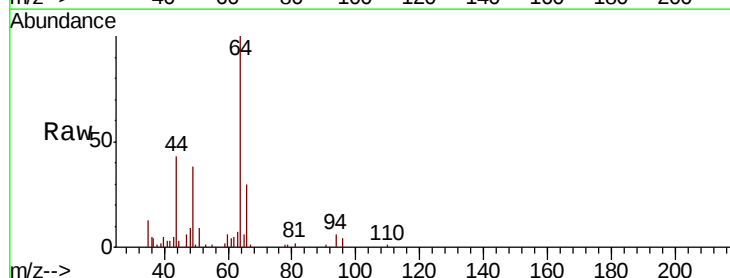
Acq: 16 Jul 2019 12:21

Tgt Ion: 64 Resp: 69617

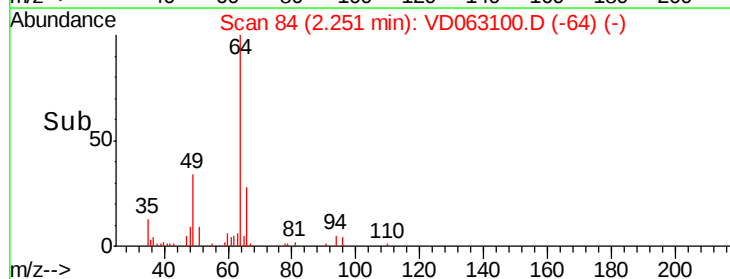
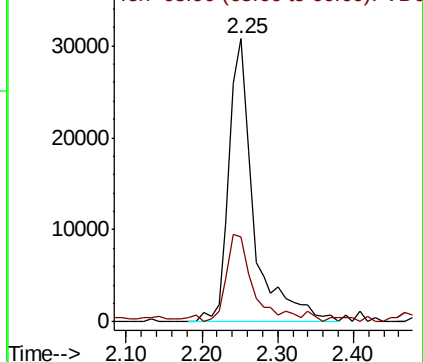
Ion Ratio Lower Upper

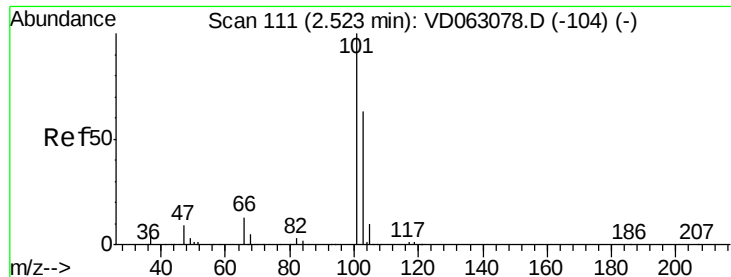
64 100

66 30.0 22.5 33.7



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





#7

Trichlorofluoromethane

Concen: 21.916 ug/l

RT: 2.51 min Scan# 110

Delta R.T. -0.02 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

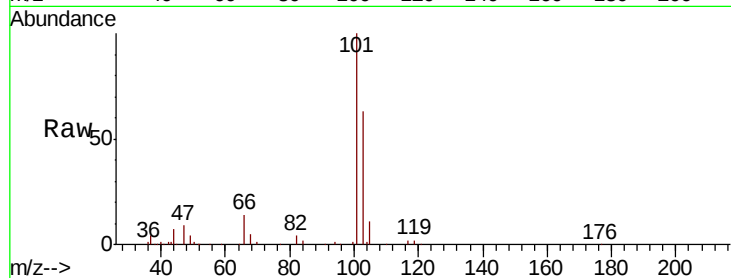
VD0716SBS02

Tgt Ion:101 Resp: 306642

Ion Ratio Lower Upper

101 100

103 62.6 50.6 76.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.51

150000

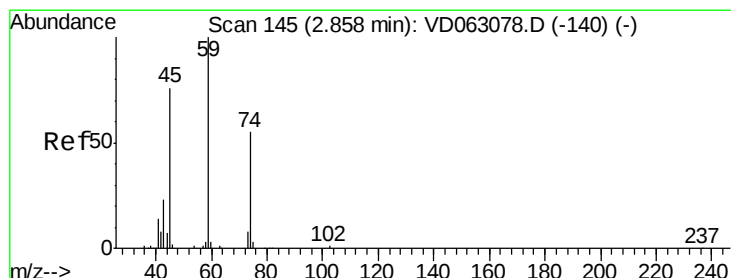
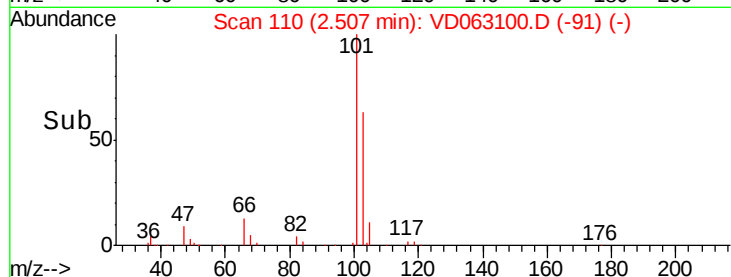
100000

50000

0

Time-->

2.40 2.50 2.60 2.70



#8

Diethyl Ether

Concen: 23.337 ug/l

RT: 2.85 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD063100.D

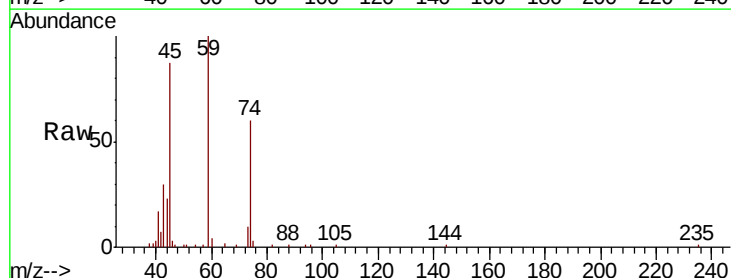
Acq: 16 Jul 2019 12:21

Tgt Ion: 74 Resp: 45931

Ion Ratio Lower Upper

74 100

45 148.7 69.5 208.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.85

30000

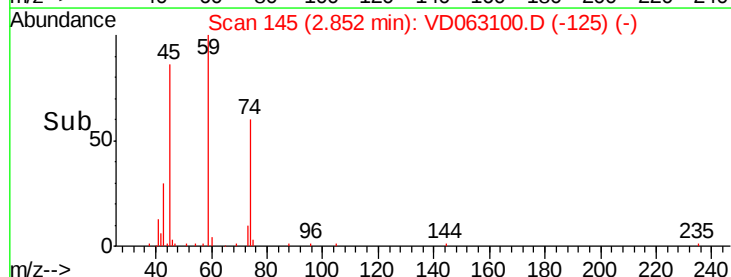
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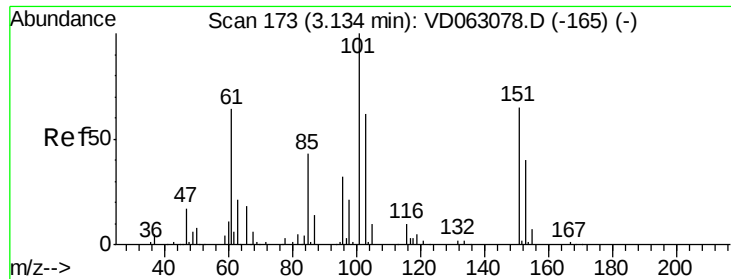
10000

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Time-->

2.75 2.80 2.85 2.90 2.95





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.708 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

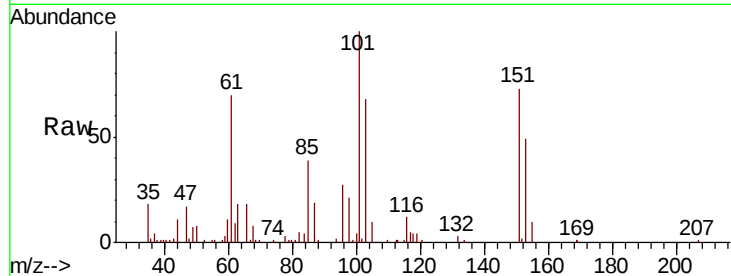
Tgt Ion:101 Resp: 175134

Ion Ratio Lower Upper

101 100

85 39.2 34.6 51.8

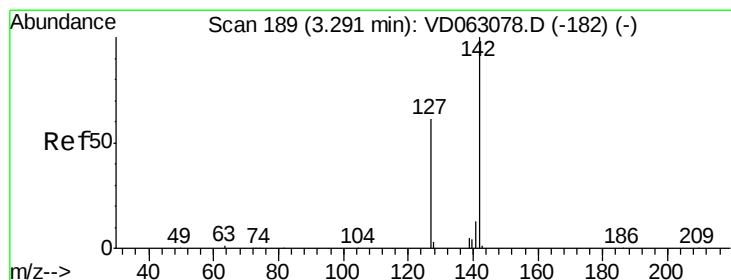
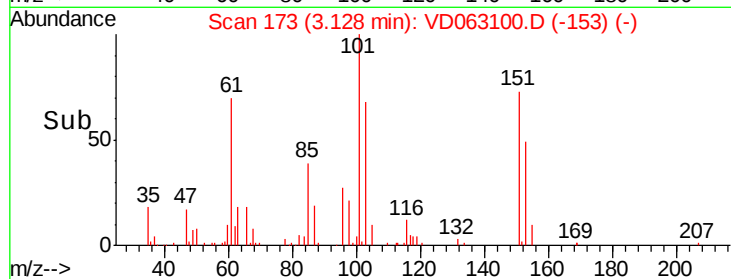
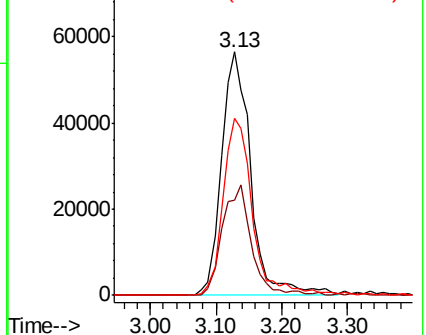
151 72.9 52.4 78.6



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: 22.040 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

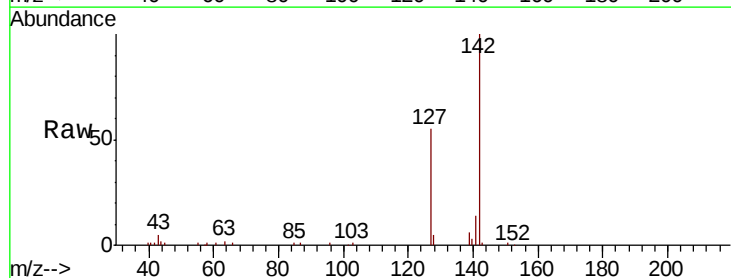
Tgt Ion:142 Resp: 218298

Ion Ratio Lower Upper

142 100

127 55.4 48.6 73.0

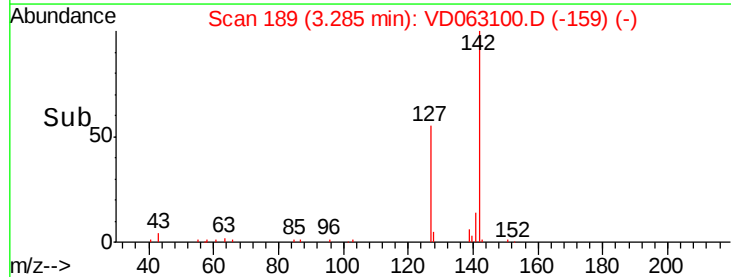
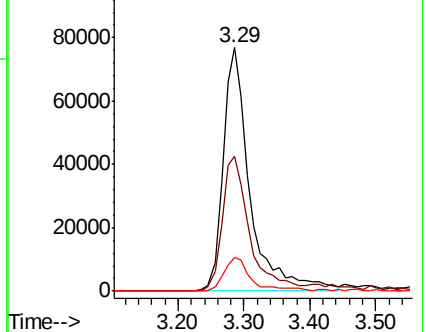
141 13.9 10.6 16.0

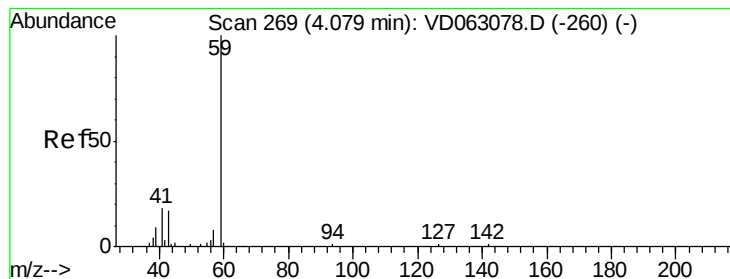


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 99.034 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.02 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

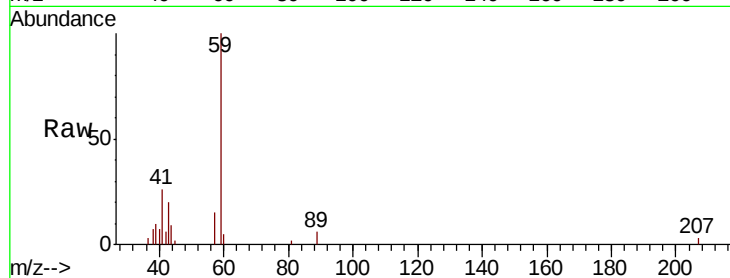
VD0716SBS02

Tgt Ion: 59 Resp: 46106

Ion Ratio Lower Upper

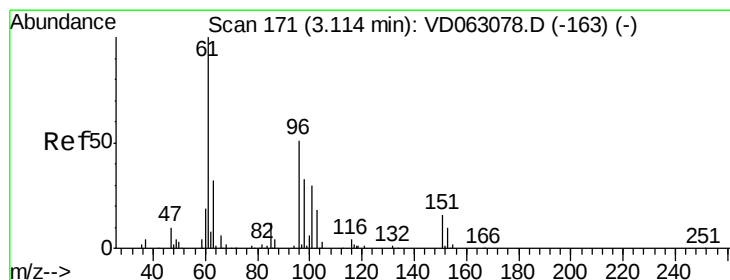
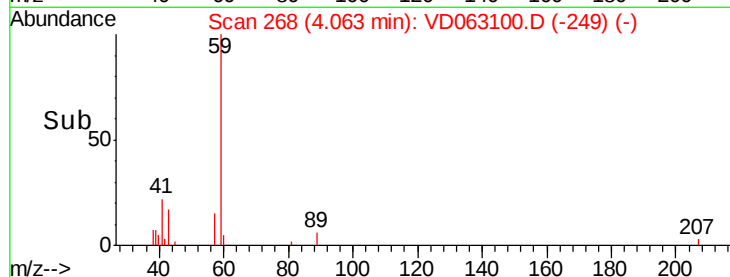
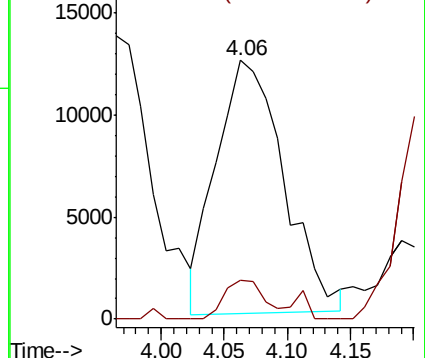
59 100

57 15.3 6.4 9.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 22.896 ug/l

RT: 3.11 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

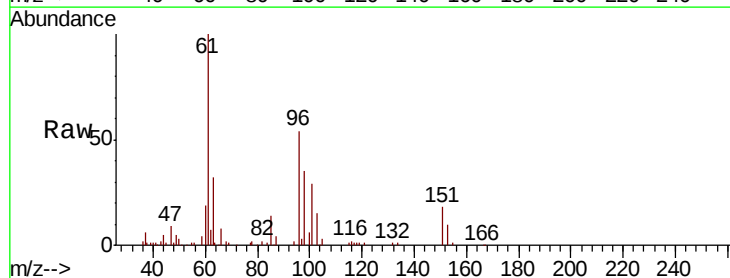
Tgt Ion: 96 Resp: 131170

Ion Ratio Lower Upper

96 100

61 185.6 155.5 233.3

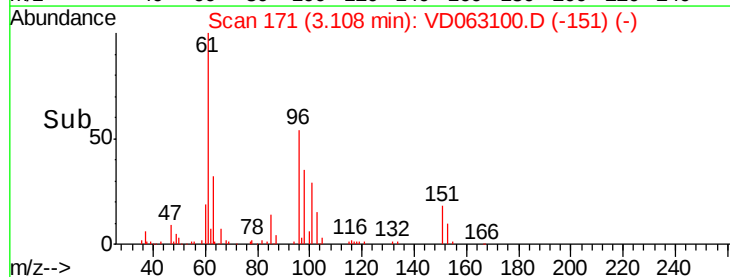
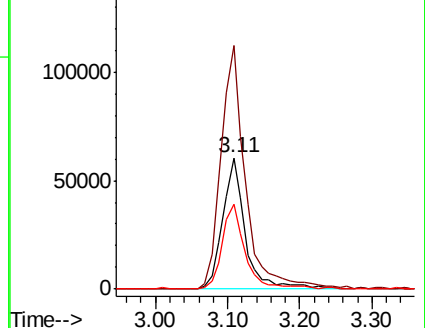
98 64.5 51.5 77.3

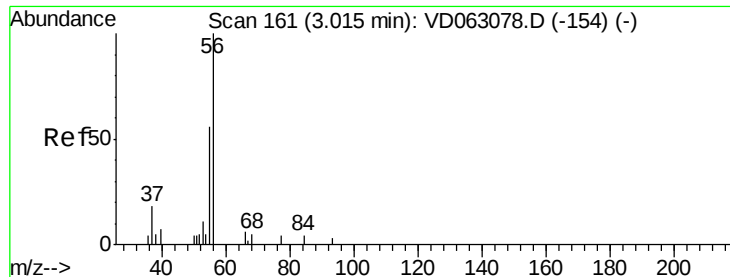


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 130.793 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

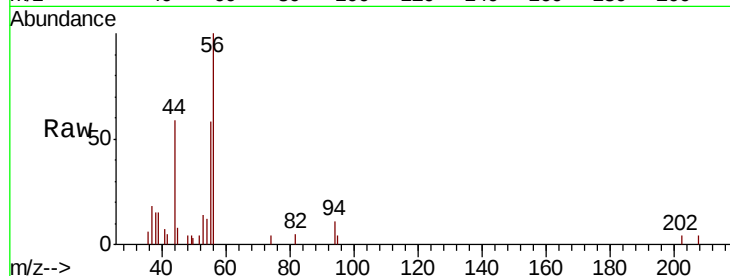
VD0716SBS02

Tgt Ion: 56 Resp: 18378

Ion Ratio Lower Upper

56 100

55 57.7 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

10000

8000

6000

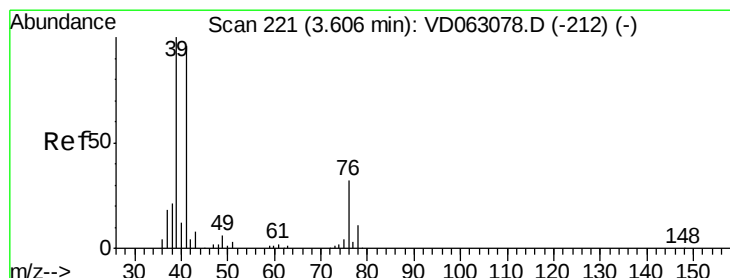
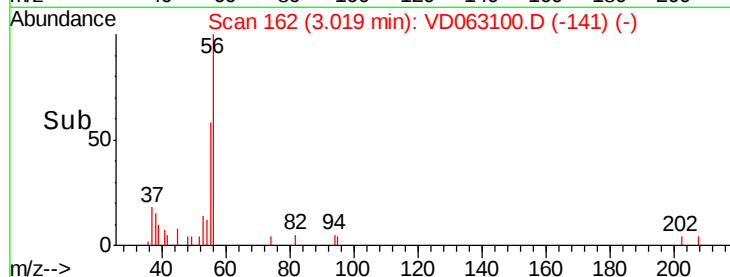
4000

2000

0

Time-->

2.95 3.00 3.05 3.10



#14

Allyl chloride

Concen: 22.417 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

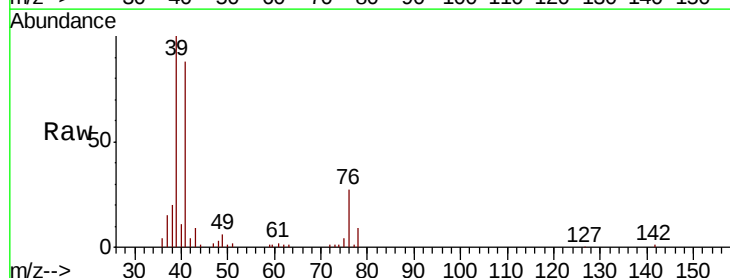
Tgt Ion: 41 Resp: 201846

Ion Ratio Lower Upper

41 100

39 113.8 83.5 125.3

76 31.3 27.8 41.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

120000

100000

80000

60000

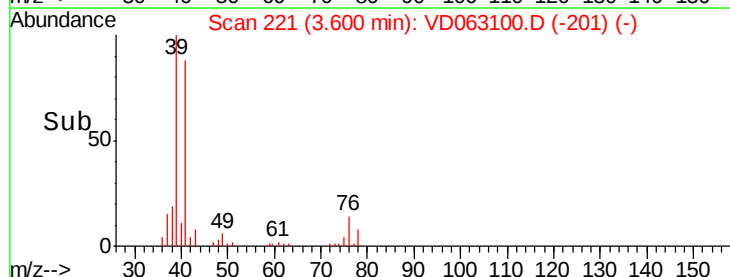
40000

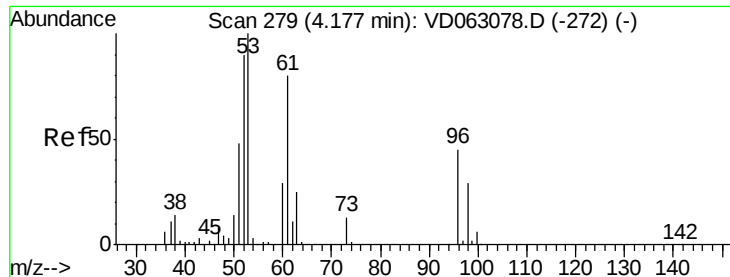
20000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 104.499 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

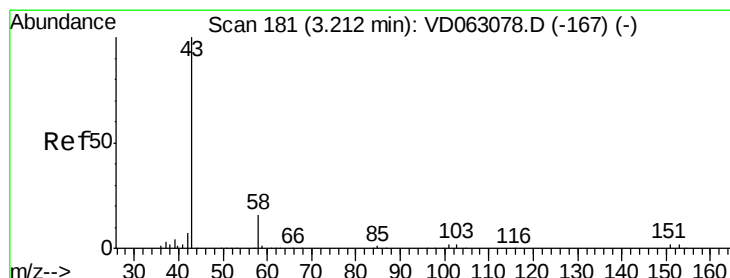
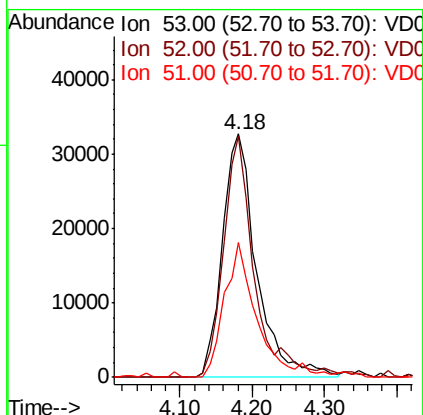
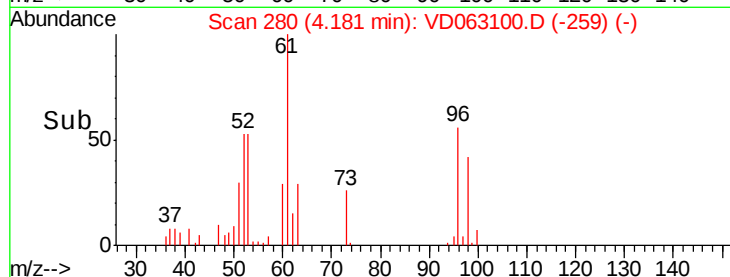
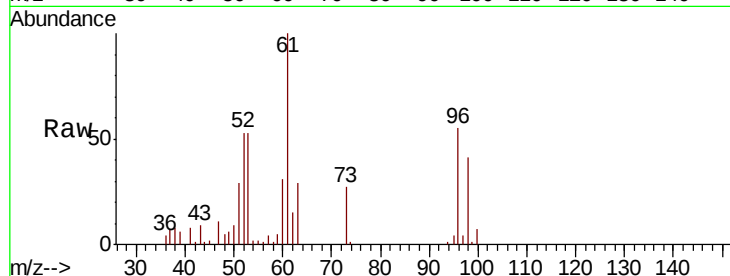
Tgt Ion: 53 Resp: 107541

Ion Ratio Lower Upper

53 100

52 99.0 72.3 108.5

51 55.1 38.0 57.0



#16

Acetone

Concen: 97.370 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063100.D

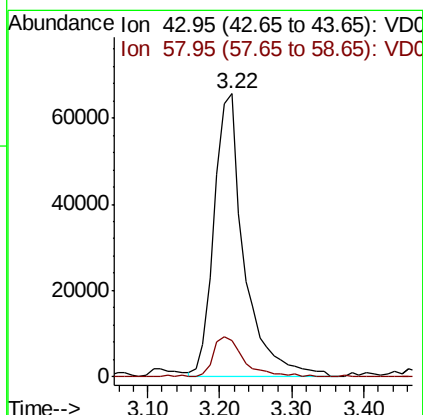
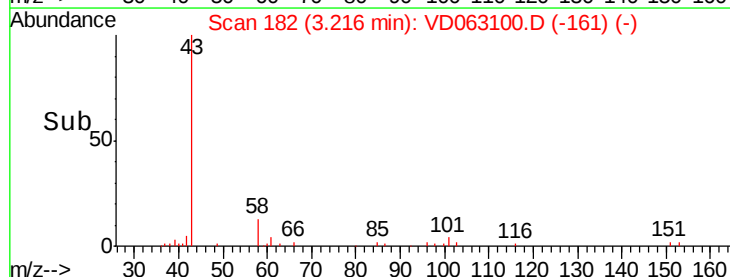
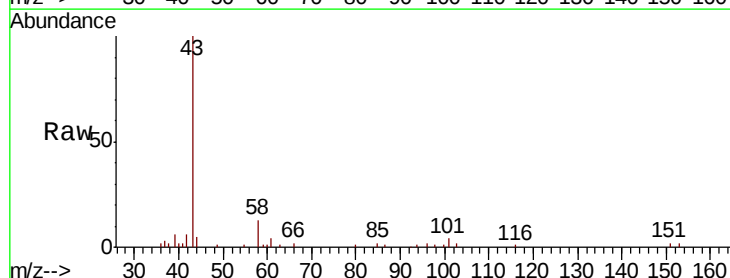
Acq: 16 Jul 2019 12:21

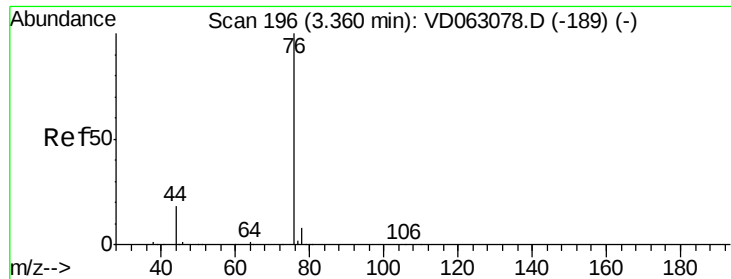
Tgt Ion: 43 Resp: 189716

Ion Ratio Lower Upper

43 100

58 12.6 13.0 19.4#

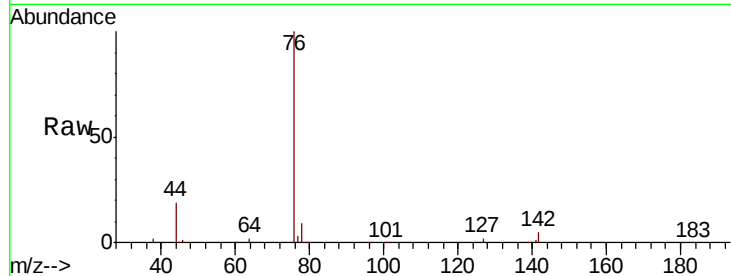




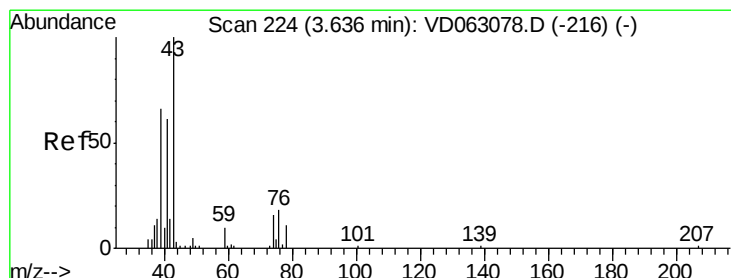
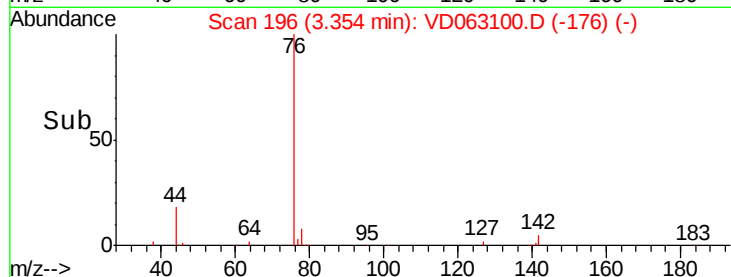
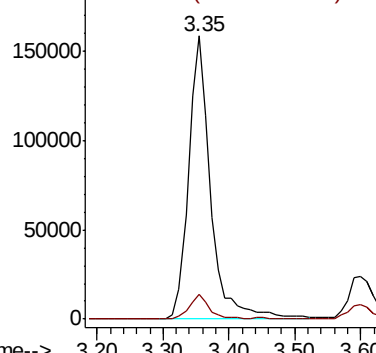
#17
Carbon Disulfide
Concen: 22.506 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

Tgt Ion: 76 Resp: 369061
Ion Ratio Lower Upper
76 100
78 8.7 6.7 10.1

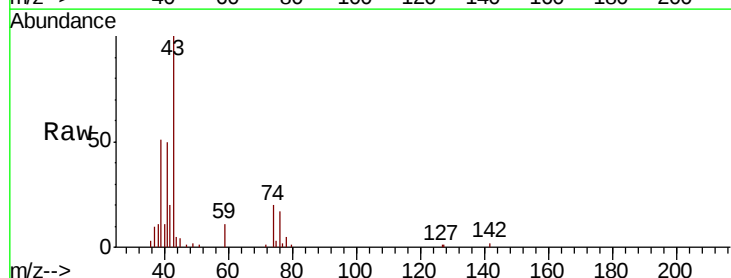


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

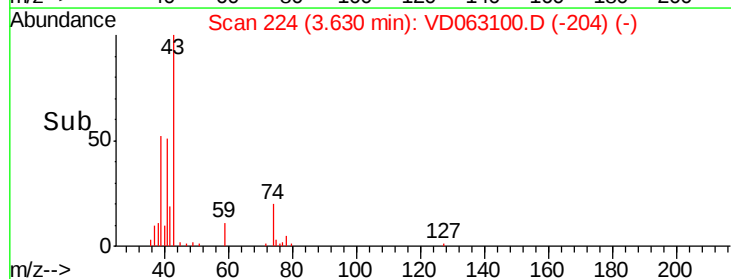
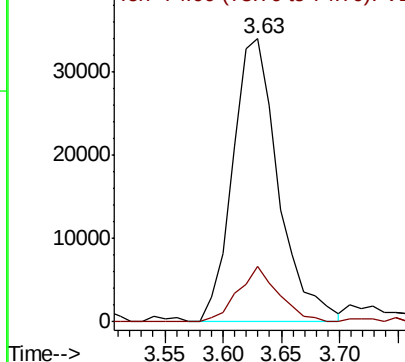


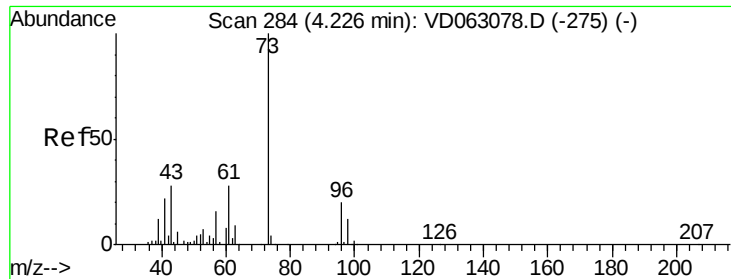
#18
Methyl Acetate
Concen: 33.815 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion: 43 Resp: 92100
Ion Ratio Lower Upper
43 100
74 19.8 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

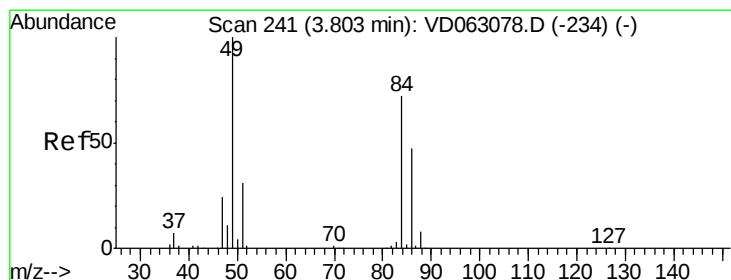
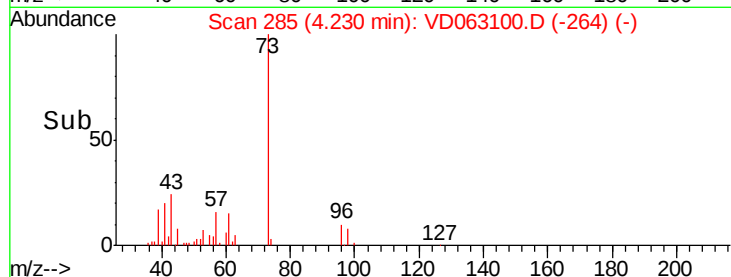
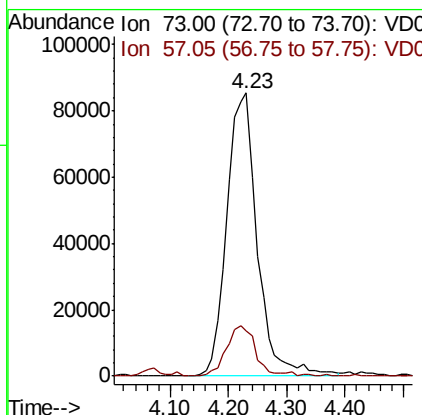
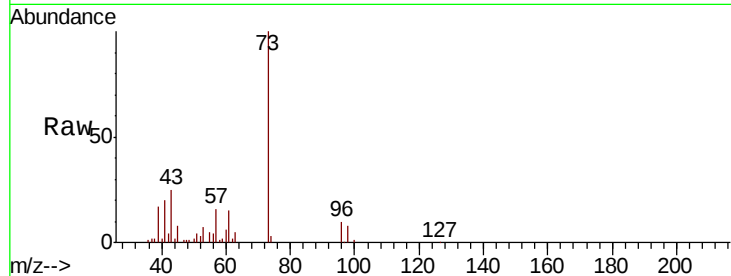




#19
Methyl tert-butyl Ether
Concen: 21.482 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

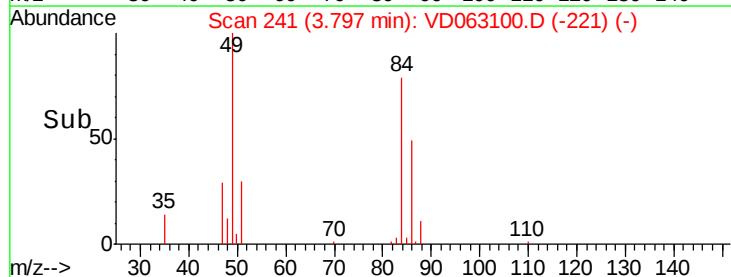
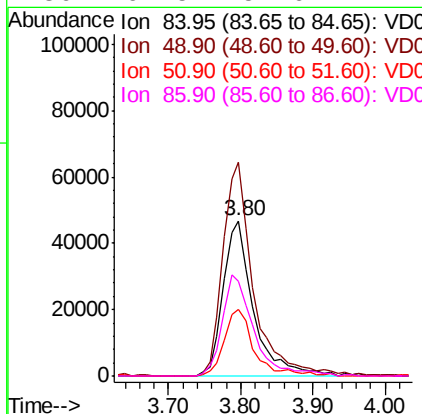
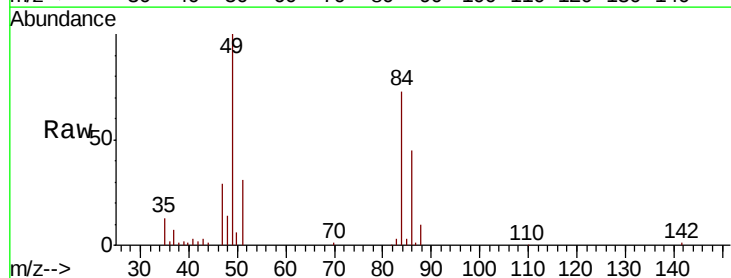
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

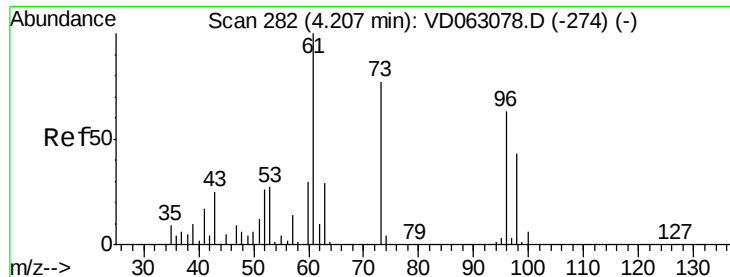
Tgt Ion: 73 Resp: 310670
Ion Ratio Lower Upper
73 100
57 15.8 13.1 19.7



#20
Methylene Chloride
Concen: 18.450 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion: 84 Resp: 135808
Ion Ratio Lower Upper
84 100
49 137.8 110.5 165.7
51 42.8 34.6 51.8
86 61.5 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 21.834 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

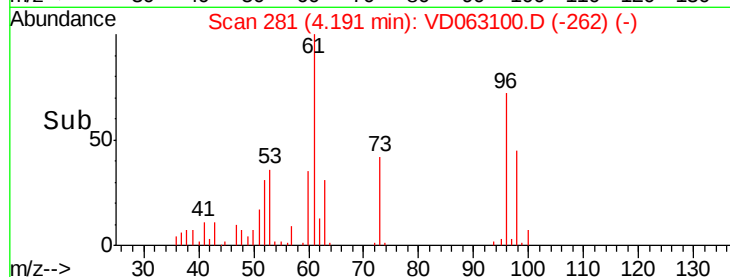
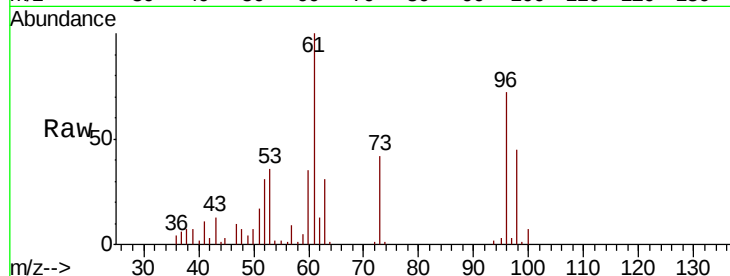
Tgt Ion: 96 Resp: 138859

Ion Ratio Lower Upper

96 100

61 138.9 128.0 192.0

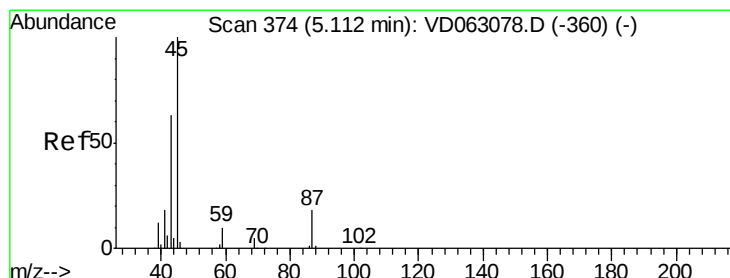
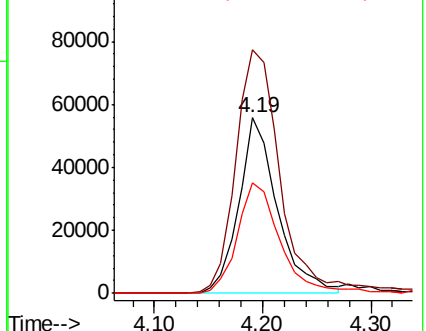
98 63.0 55.2 82.8



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: 22.924 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.02 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Tgt Ion: 45 Resp: 448765

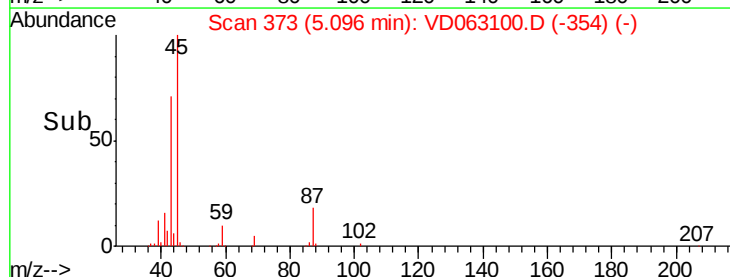
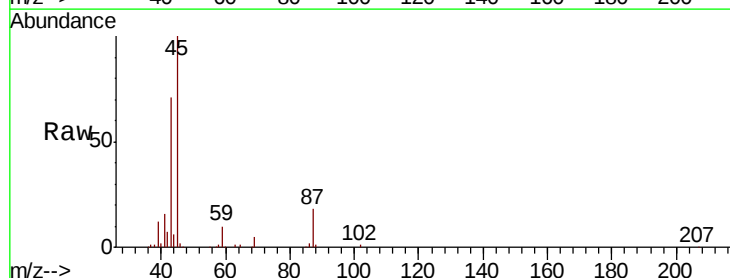
Ion Ratio Lower Upper

45 100

43 71.1 50.5 75.7

87 18.2 15.1 22.7

59 9.6 7.6 11.4

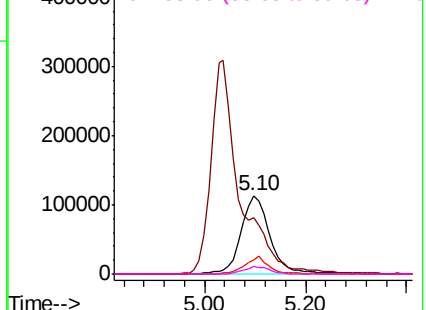


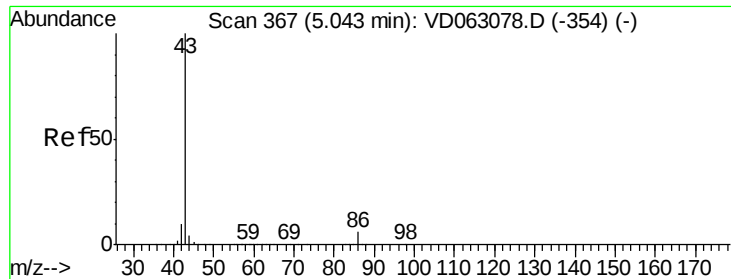
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

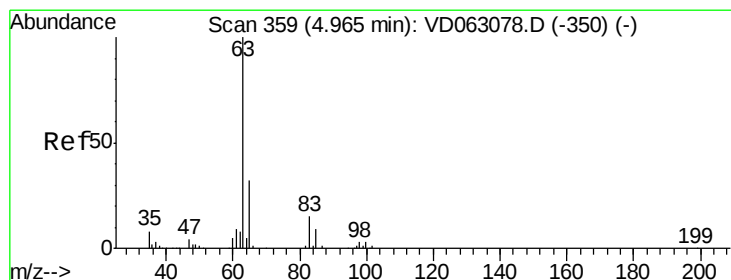
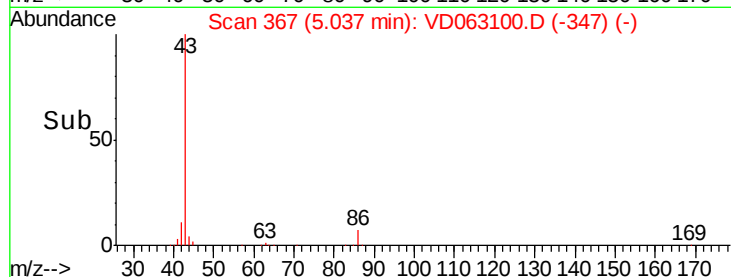
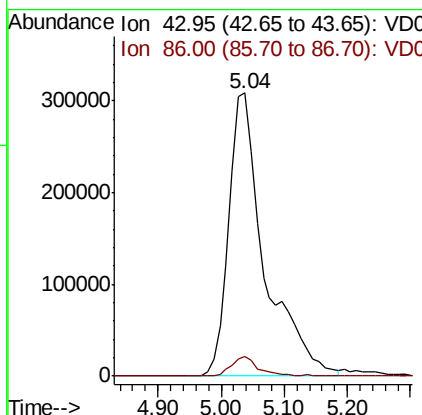
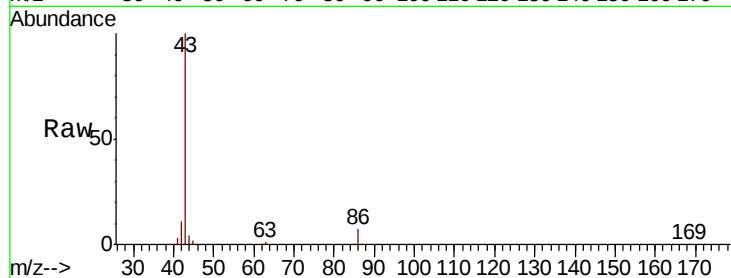




#23
 Vinyl Acetate
 Concen: 106.293 ug/l
 RT: 5.04 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

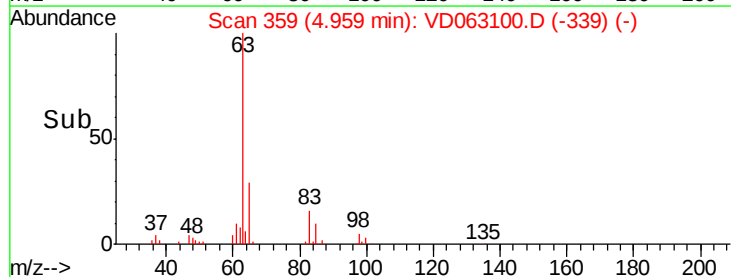
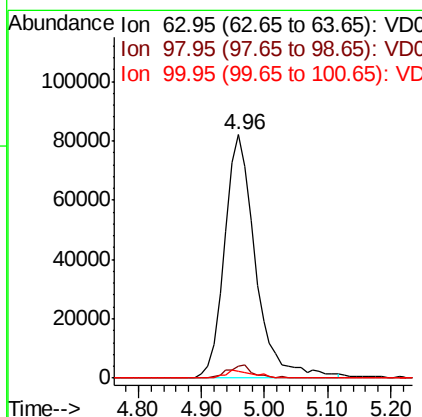
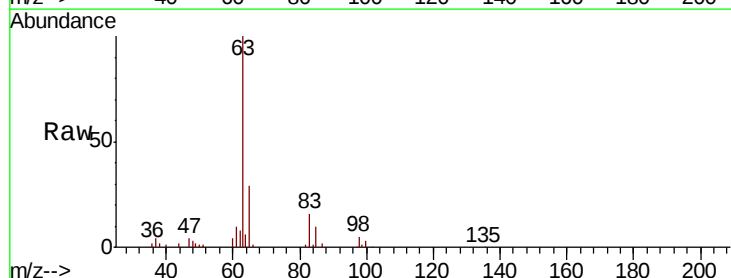
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

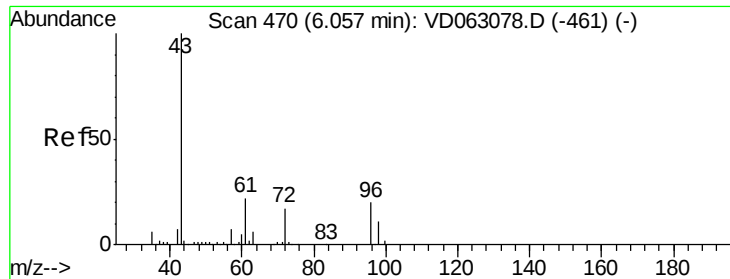
Tgt Ion: 43 Resp: 1213983
 Ion Ratio Lower Upper
 43 100
 86 6.8 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 23.095 ug/l
 RT: 4.96 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

Tgt Ion: 63 Resp: 278497
 Ion Ratio Lower Upper
 63 100
 98 5.7 1.7 5.1#
 100 2.7 1.5 4.5





#25

2-Butanone

Concen: 104.204 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

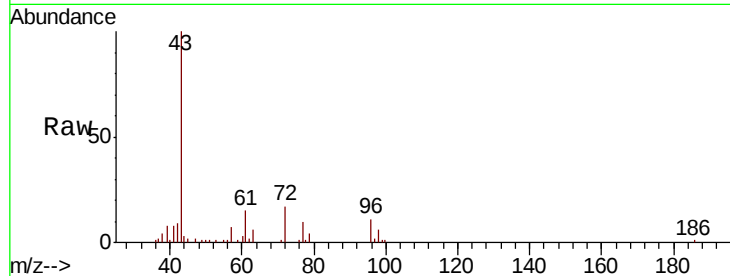
VD0716SBS02

Tgt Ion: 43 Resp: 193879

Ion Ratio Lower Upper

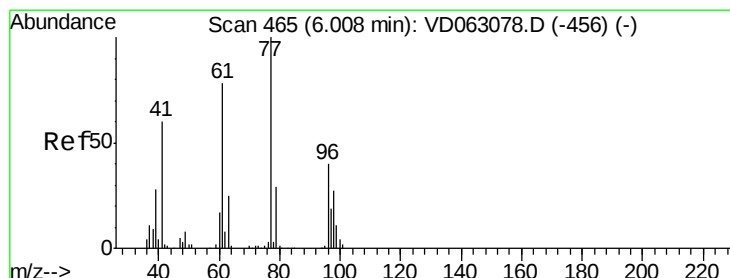
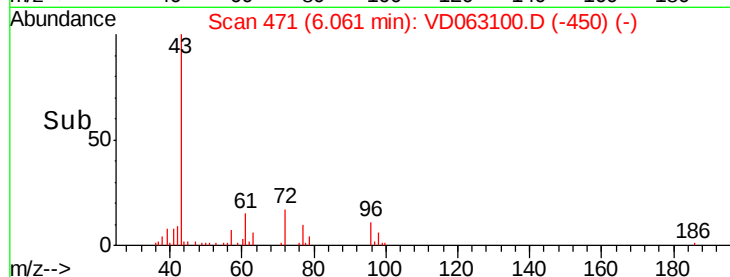
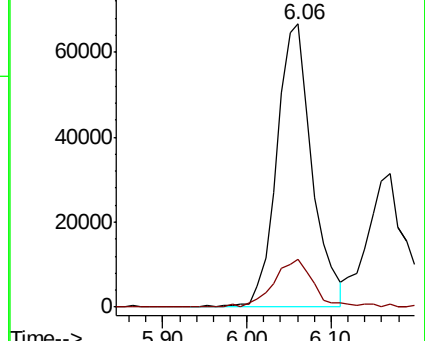
43 100

72 16.9 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.495 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063100.D

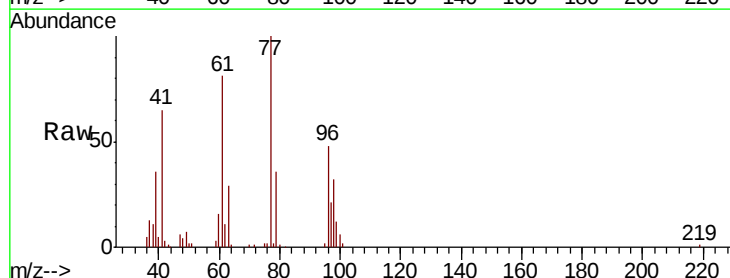
Acq: 16 Jul 2019 12:21

Tgt Ion: 77 Resp: 286864

Ion Ratio Lower Upper

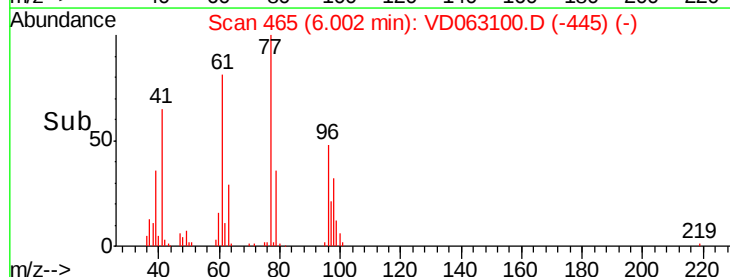
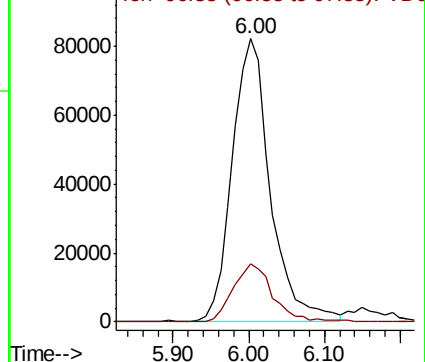
77 100

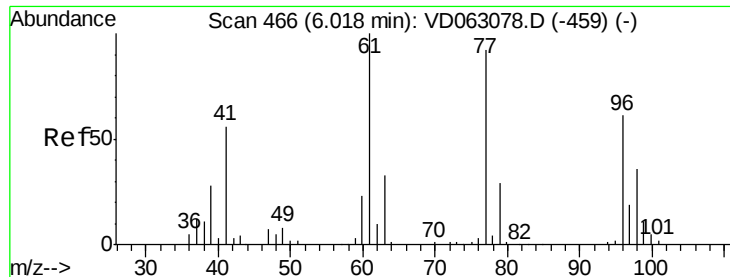
97 20.6 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



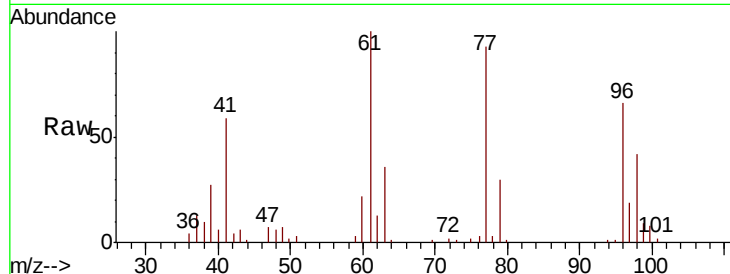


#27

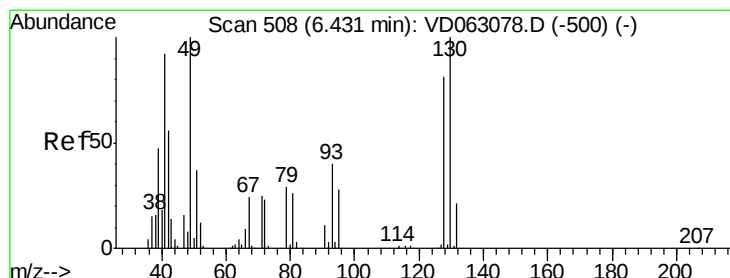
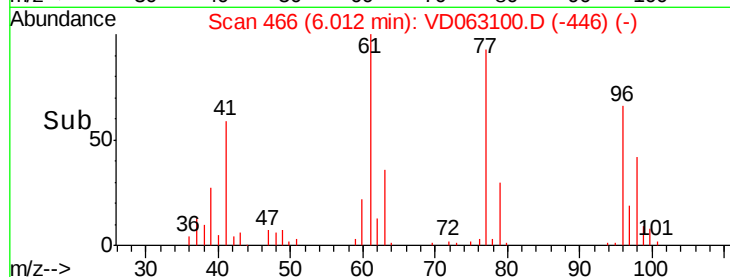
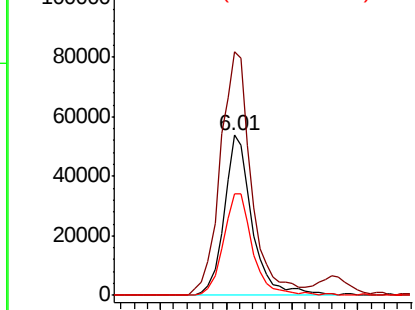
cis-1,2-Dichloroethene
Concen: 22.043 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

Tgt Ion: 96 Resp: 159476
Ion Ratio Lower Upper
96 100
61 152.1 0.0 329.6
98 63.7 0.0 118.4



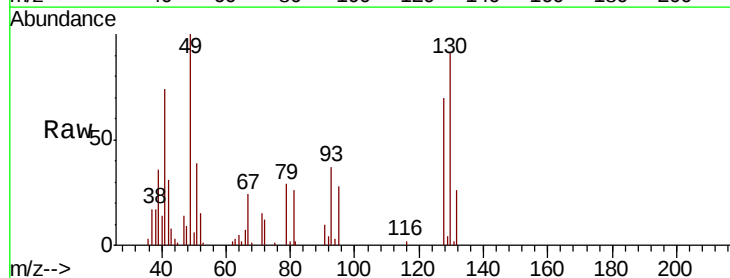
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



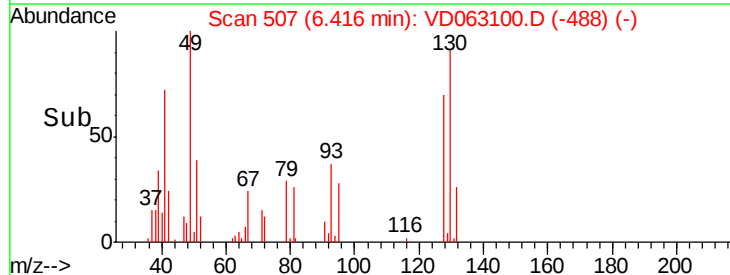
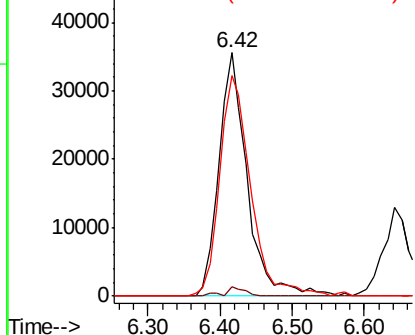
#28

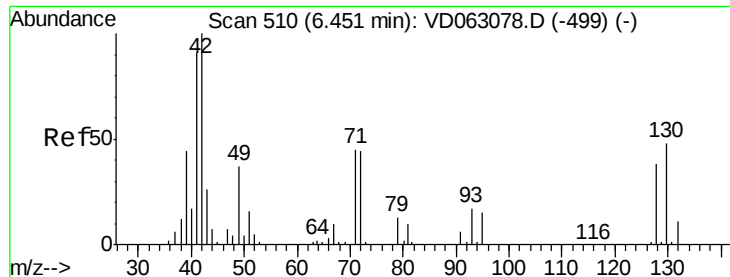
Bromochloromethane
Concen: 21.912 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.02 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion: 49 Resp: 95863
Ion Ratio Lower Upper
49 100
129 3.8 0.0 3.6#
130 90.6 80.3 120.5



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

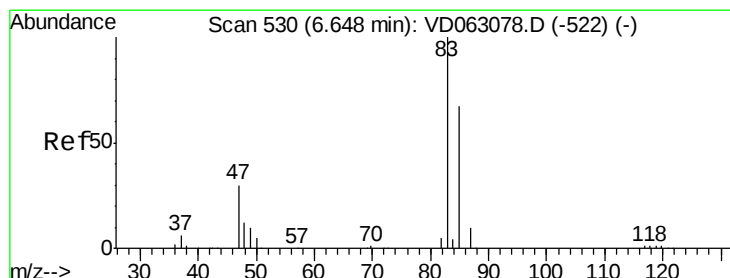
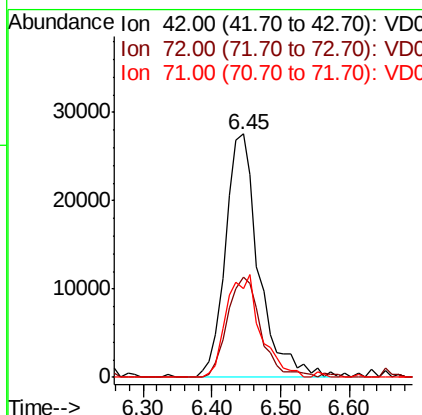
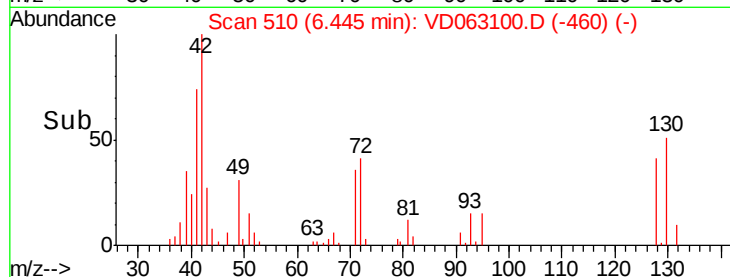
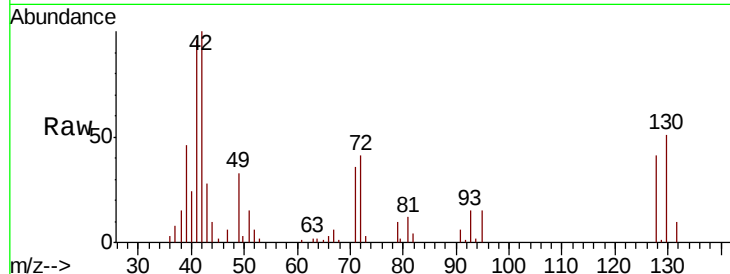




#29
Tetrahydrofuran
Concen: 109.784 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

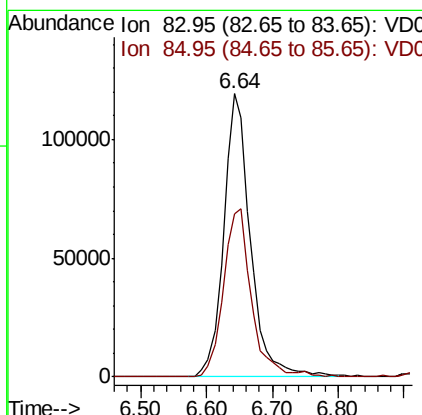
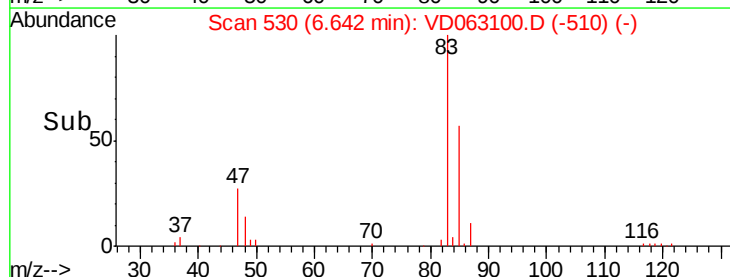
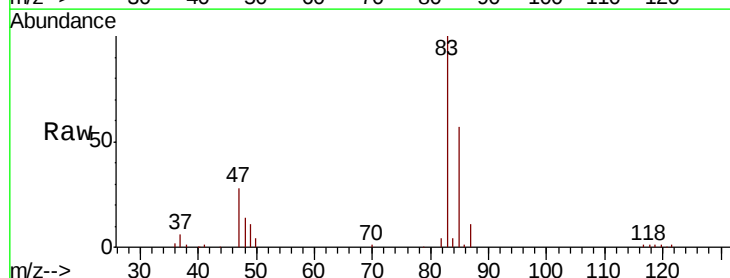
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

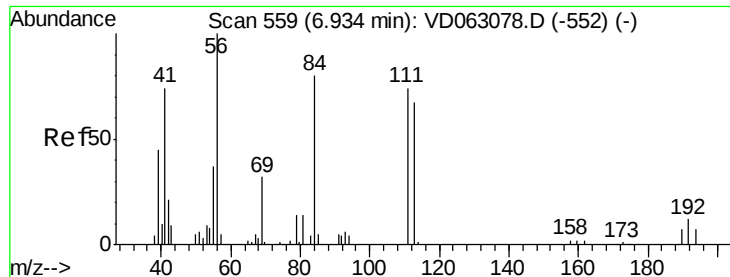
Tgt Ion: 42 Resp: 92593
Ion Ratio Lower Upper
42 100
72 41.1 33.7 50.5
71 42.9 34.2 51.2



#30
Chloroform
Concen: 22.692 ug/l
RT: 6.64 min Scan# 530
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion: 83 Resp: 337004
Ion Ratio Lower Upper
83 100
85 57.5 53.8 80.8

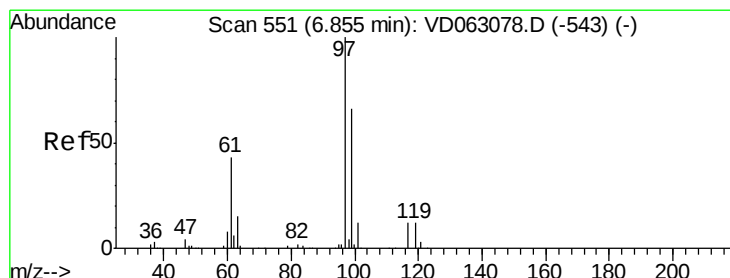
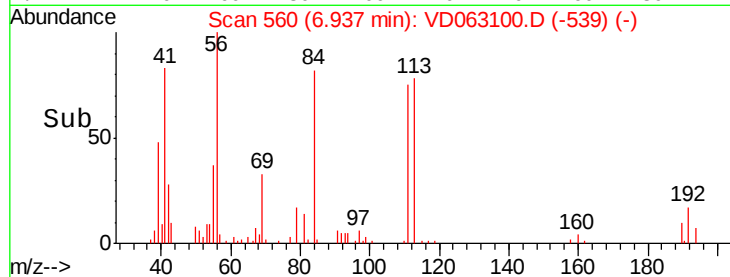
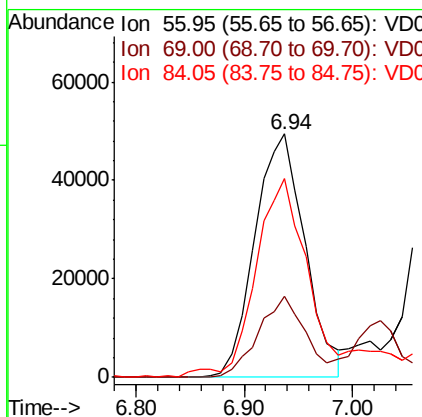
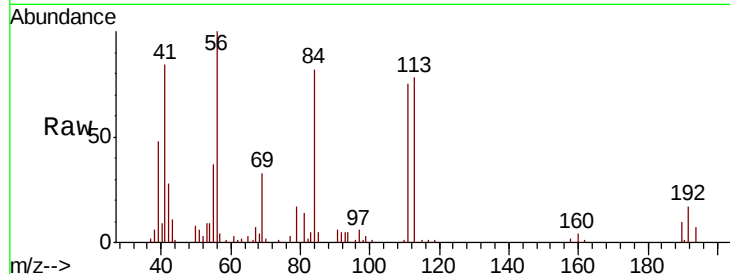




#31
Cyclohexane
Concen: 20.765 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

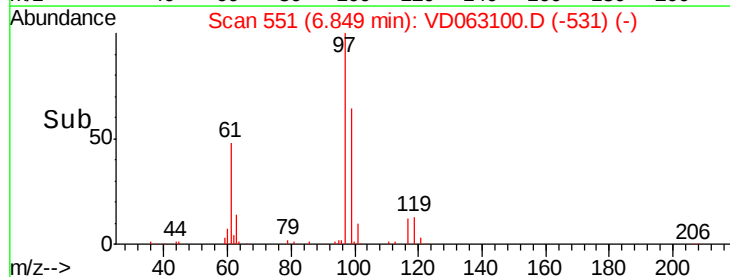
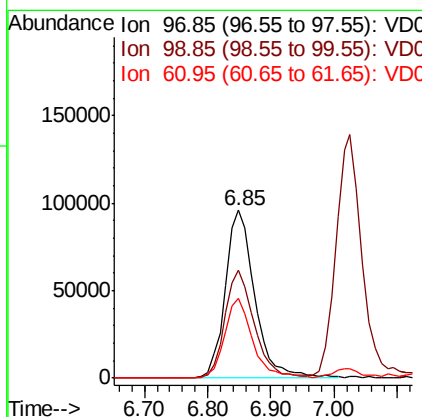
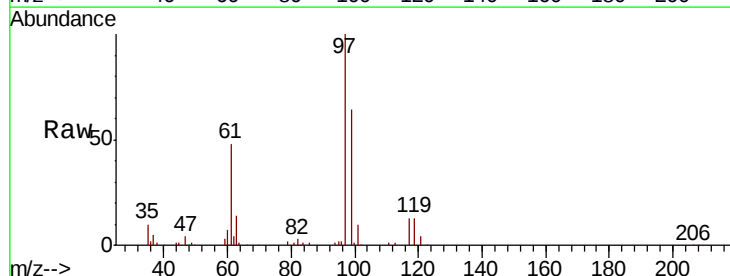
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

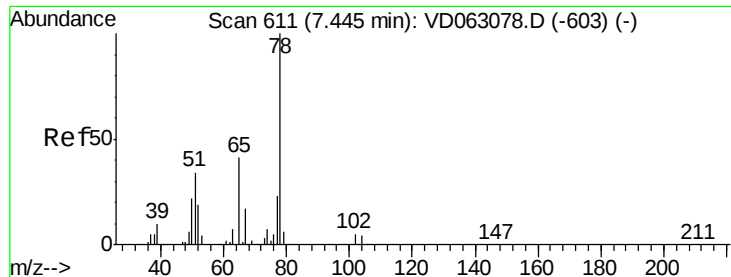
Tgt Ion: 56 Resp: 159465
Ion Ratio Lower Upper
56 100
69 33.2 25.3 37.9
84 81.9 64.2 96.4



#32
1,1,1-Trichloroethane
Concen: 21.124 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion: 97 Resp: 309352
Ion Ratio Lower Upper
97 100
99 64.4 52.9 79.3
61 47.6 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 49.025 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.02 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

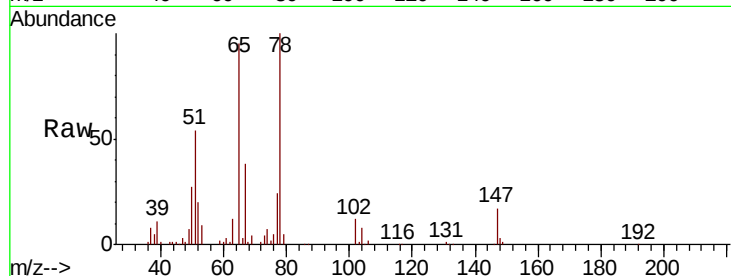
VD0716SBS02

Tgt Ion: 65 Resp: 395480

Ion Ratio Lower Upper

65 100

67 40.1 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

150000

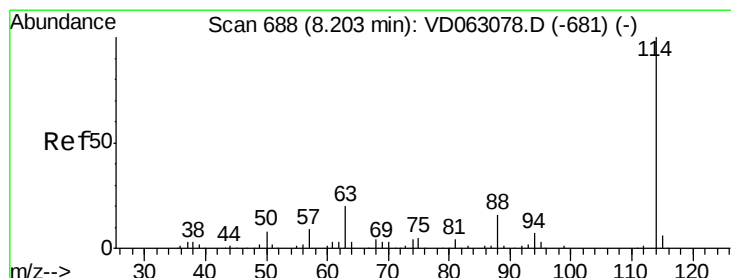
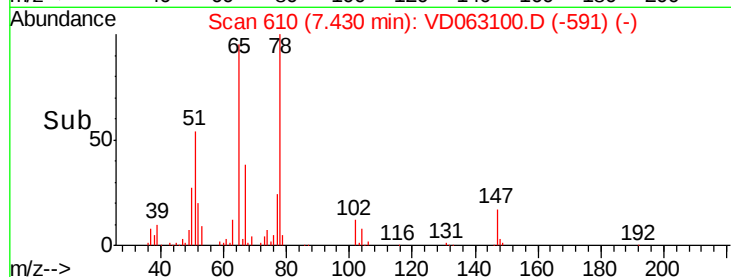
100000

50000

0

Time-->

7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

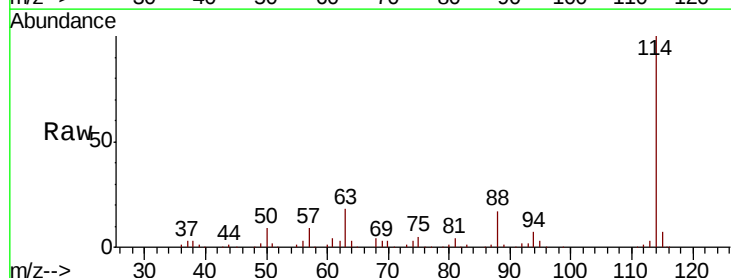
Tgt Ion: 114 Resp: 905833

Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.6

88 17.0 0.0 32.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.20

400000

300000

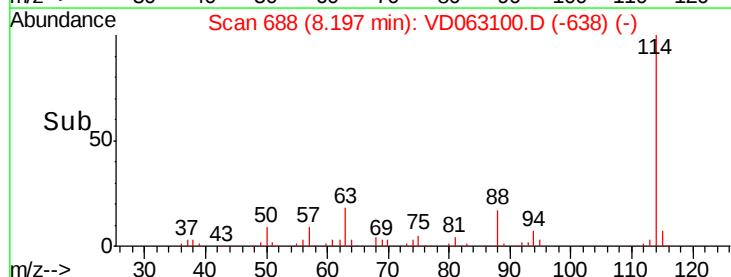
200000

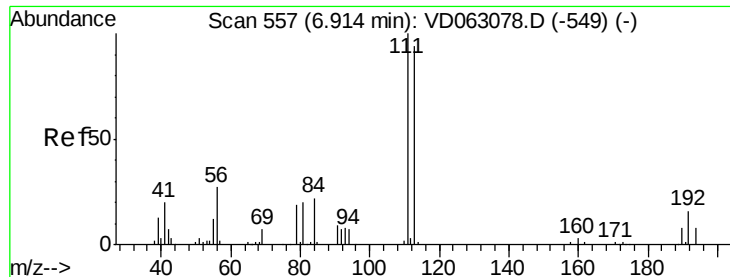
100000

0

Time-->

8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 48.119 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

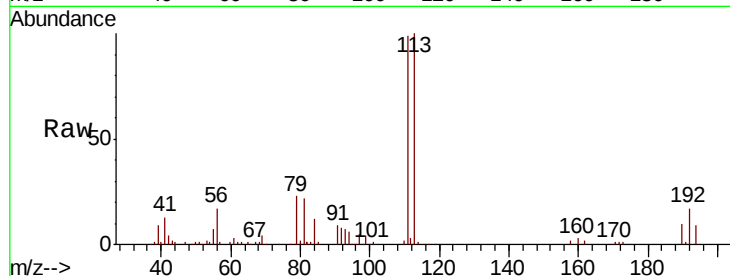
Tgt Ion:113 Resp: 434148

Ion Ratio Lower Upper

113 100

111 98.7 84.8 127.2

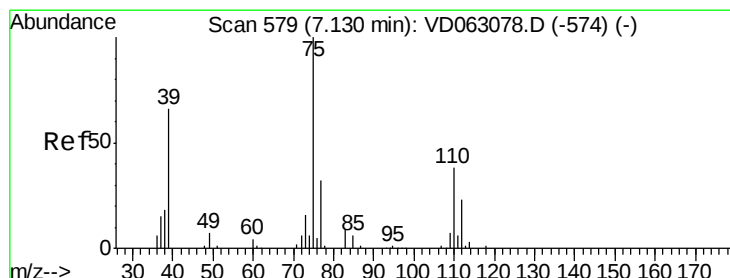
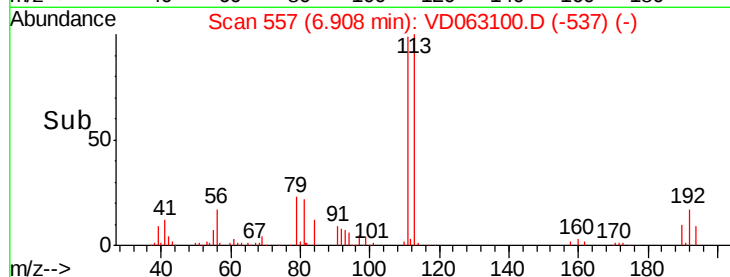
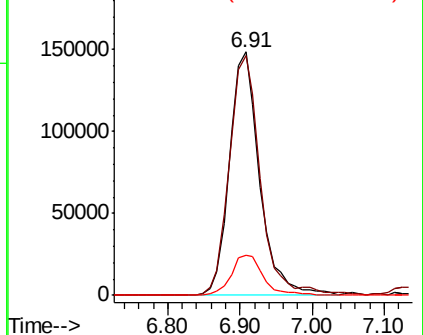
192 16.6 13.4 20.0



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: 20.975 ug/l

RT: 7.12 min Scan# 579

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

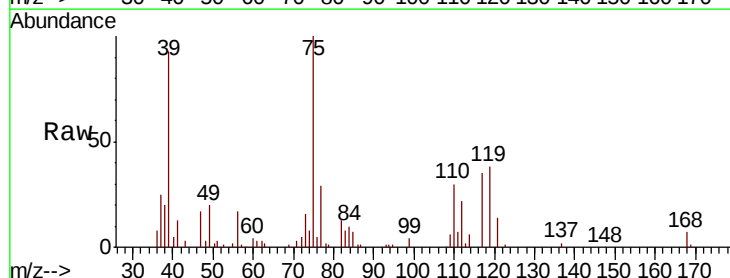
Tgt Ion: 75 Resp: 213687

Ion Ratio Lower Upper

75 100

110 29.9 18.9 56.5

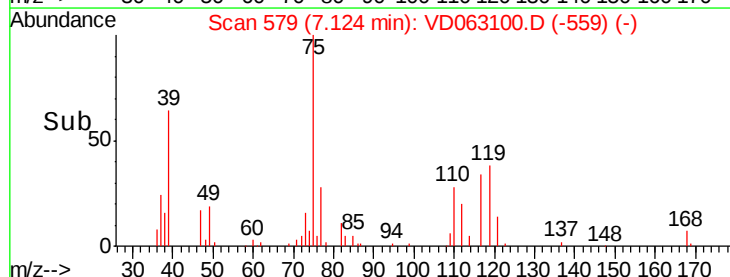
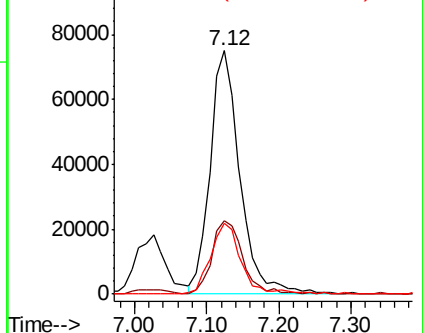
77 29.0 25.2 37.8

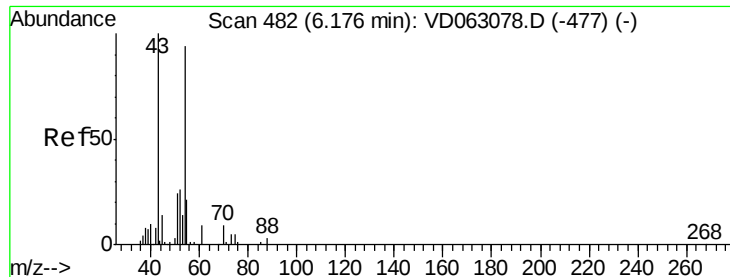


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

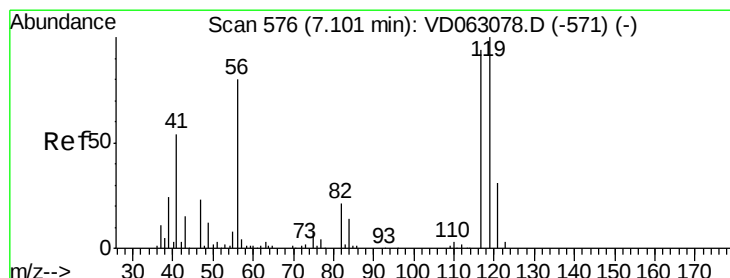
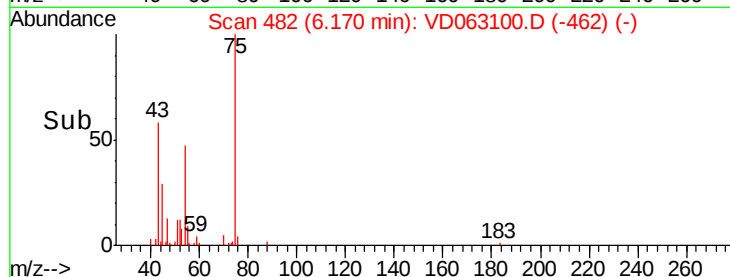
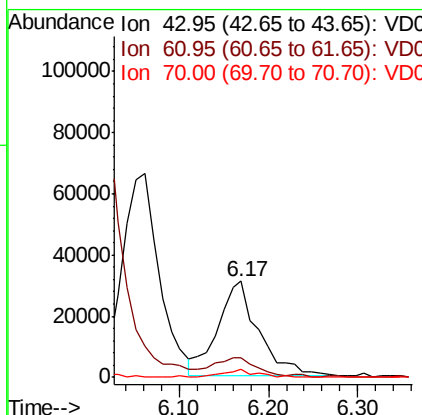
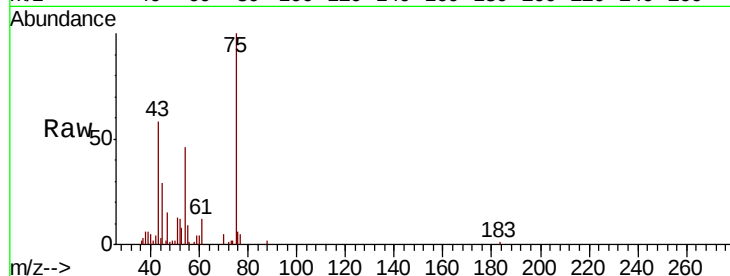




#37
Ethyl Acetate
Concen: 22.341 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

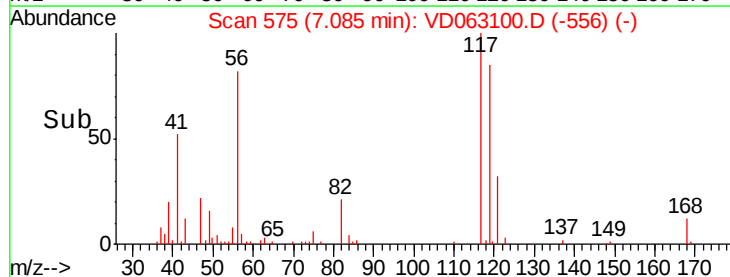
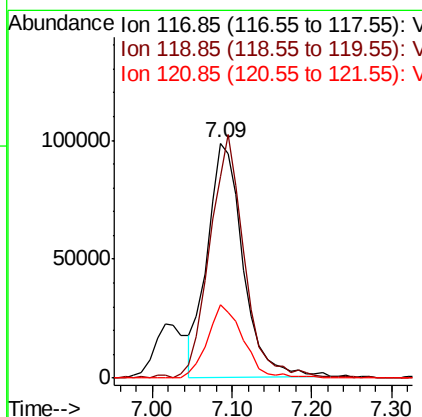
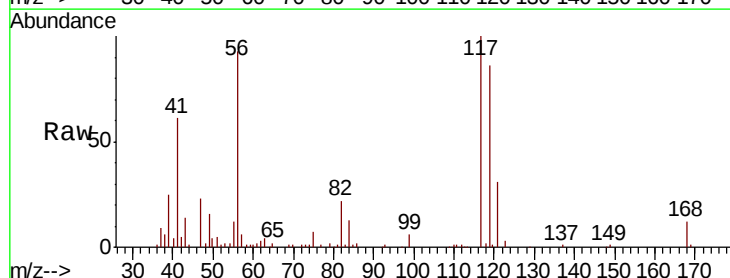
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

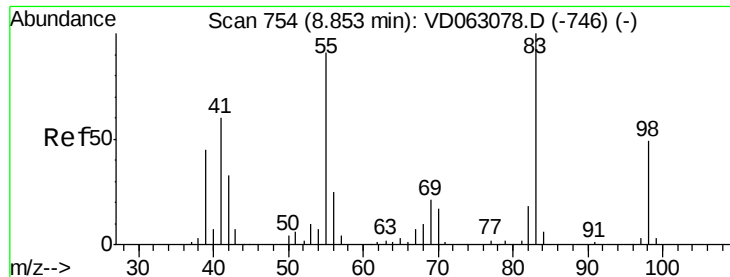
Tgt Ion: 43 Resp: 97409
Ion Ratio Lower Upper
43 100
61 20.3 10.6 16.0#
70 8.5 6.6 9.8



#38
Carbon Tetrachloride
Concen: 19.920 ug/l
RT: 7.09 min Scan# 575
Delta R.T. -0.02 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion: 117 Resp: 308368
Ion Ratio Lower Upper
117 100
119 85.8 80.0 120.0
121 31.4 25.0 37.4

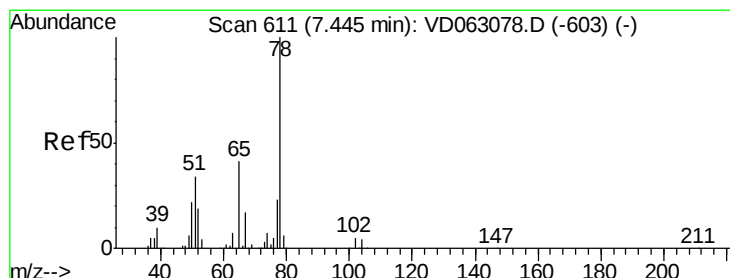
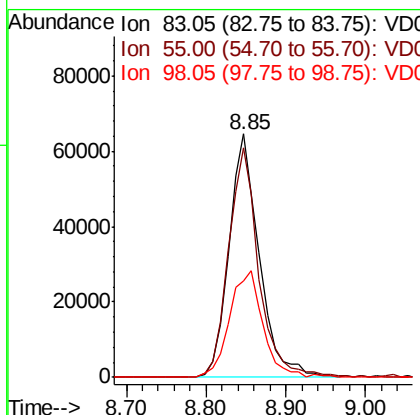
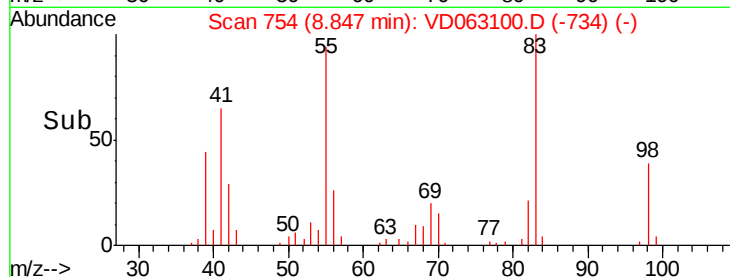
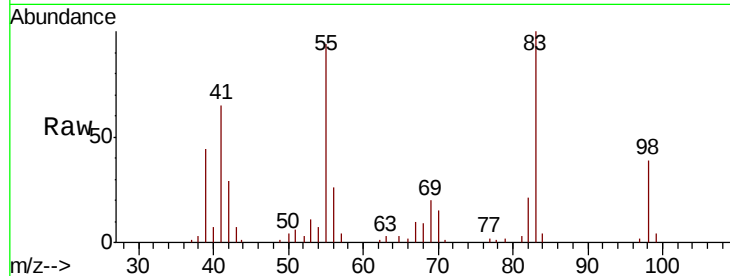




#39
Methylcyclohexane
Concen: 19.326 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

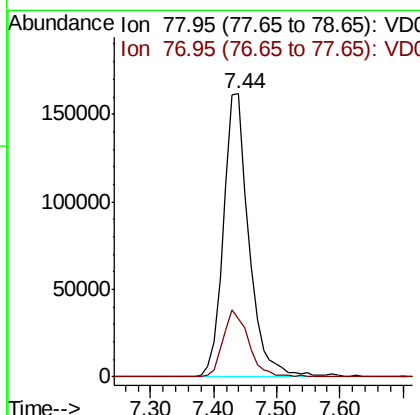
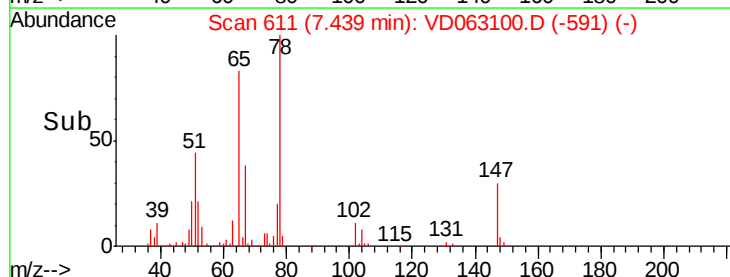
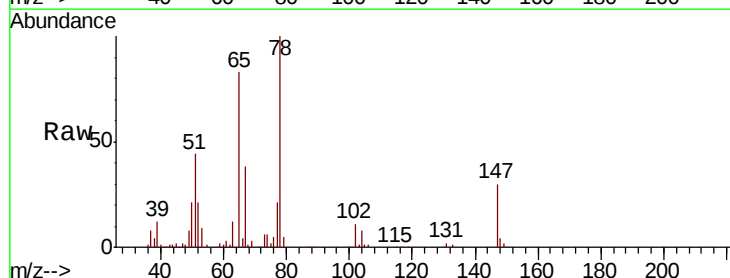
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

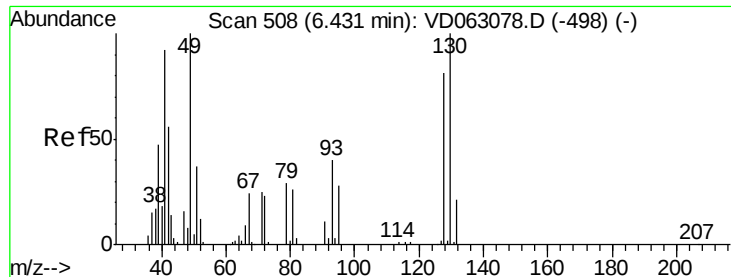
Tgt Ion: 83 Resp: 170216
Ion Ratio Lower Upper
83 100
55 94.2 73.0 109.4
98 39.5 39.4 59.0



#40
Benzene
Concen: 21.278 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion: 78 Resp: 454021
Ion Ratio Lower Upper
78 100
77 20.7 18.1 27.1





#41

Methacrylonitrile

Concen: 21.203 ug/l

RT: 6.44 min Scan# 509

Delta R.T. 0.00 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

Tgt Ion: 41 Resp: 125335

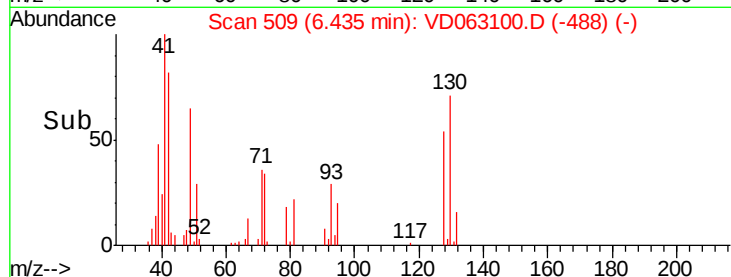
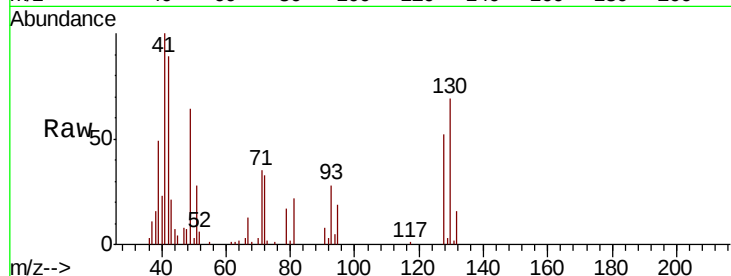
Ion Ratio Lower Upper

41 100

39 49.1 41.0 61.6

67 13.1 21.3 31.9#

52 5.7 10.5 15.7#

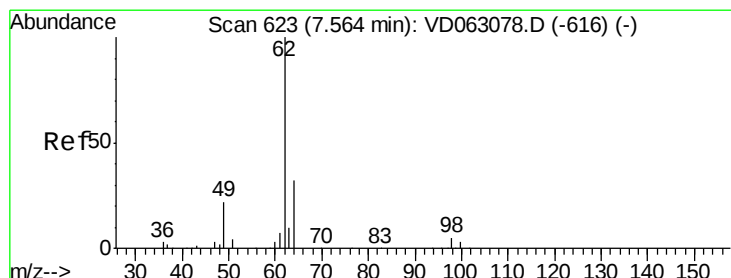
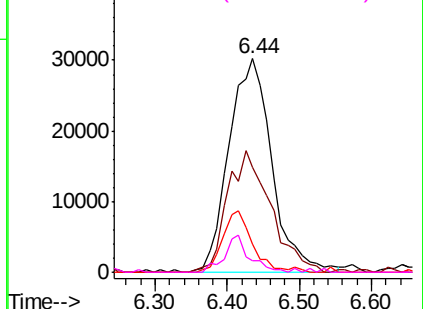


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.618 ug/l

RT: 7.56 min Scan# 623

Delta R.T. -0.01 min

Lab File: VD063100.D

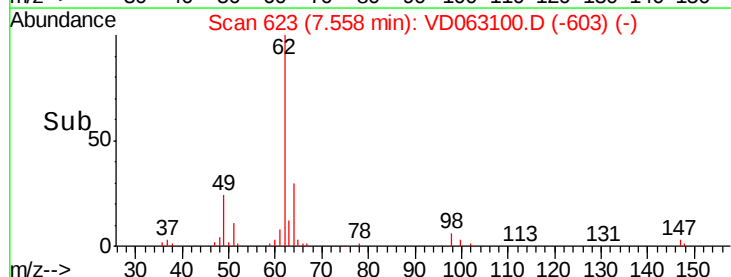
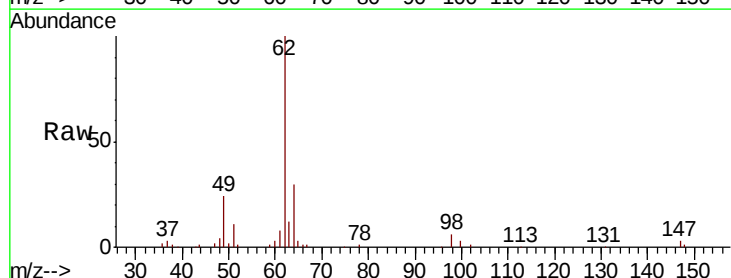
Acq: 16 Jul 2019 12:21

Tgt Ion: 62 Resp: 234382

Ion Ratio Lower Upper

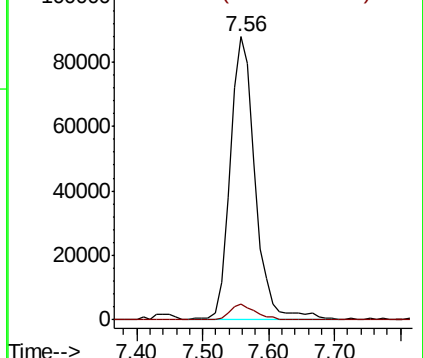
62 100

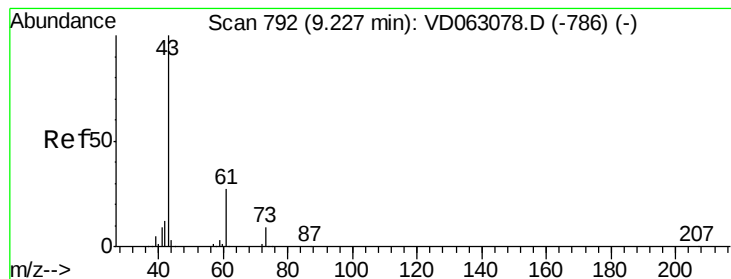
98 5.7 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.510 ug/l

RT: 9.22 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

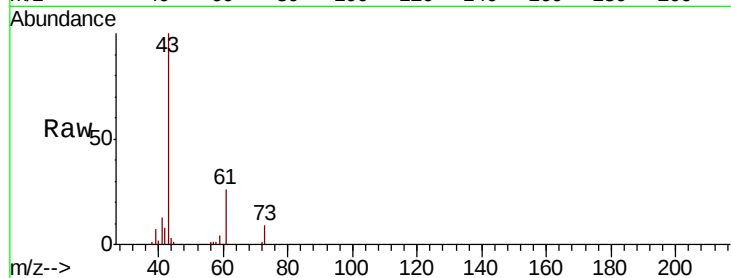
Tgt Ion: 43 Resp: 128178

Ion Ratio Lower Upper

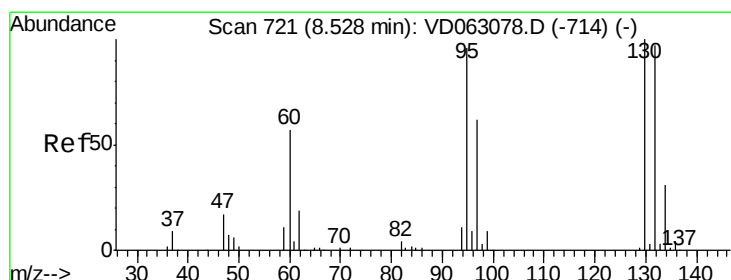
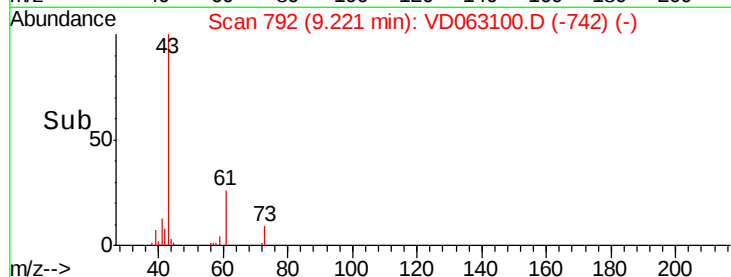
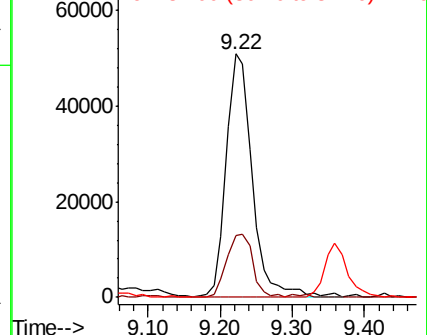
43 100

61 25.6 21.7 32.5

87 0.0 0.2 0.4#



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: 22.062 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.01 min

Lab File: VD063100.D

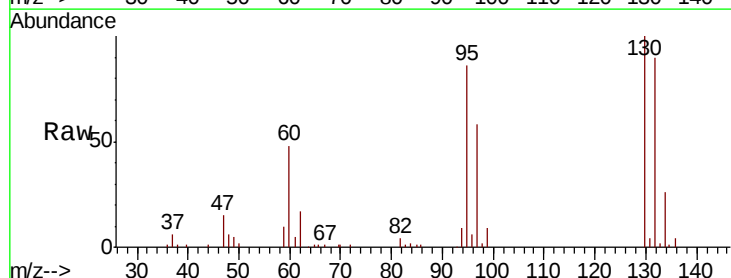
Acq: 16 Jul 2019 12:21

Tgt Ion: 130 Resp: 181923

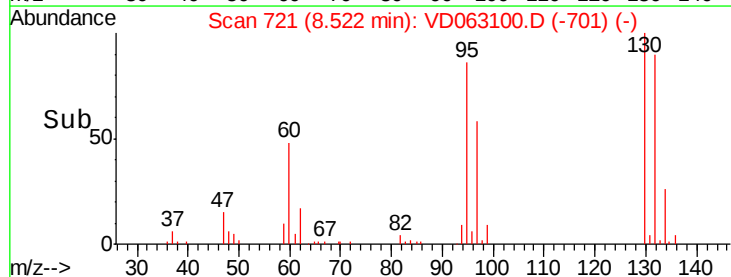
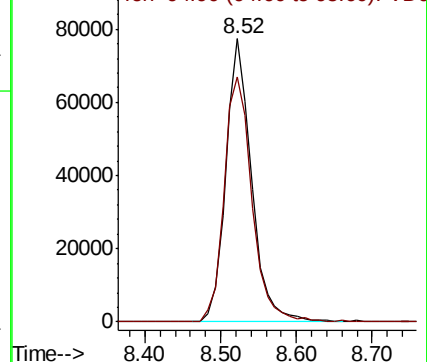
Ion Ratio Lower Upper

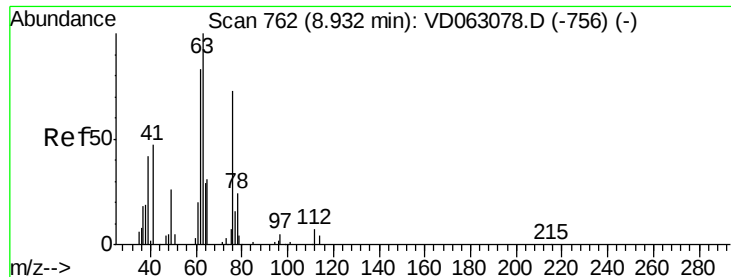
130 100

95 86.4 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.348 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

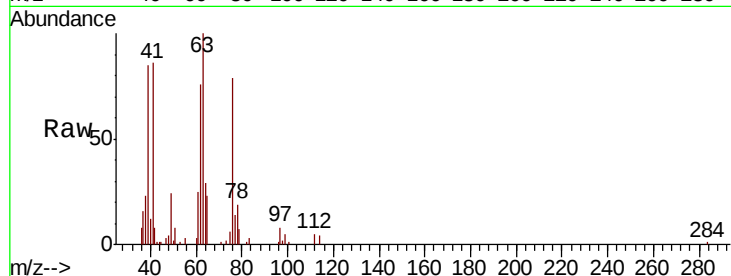
VD0716SBS02

Tgt Ion: 63 Resp: 113566

Ion Ratio Lower Upper

63 100

65 23.2 26.3 39.5#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

40000

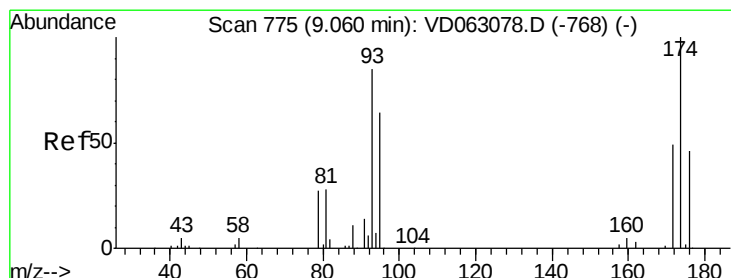
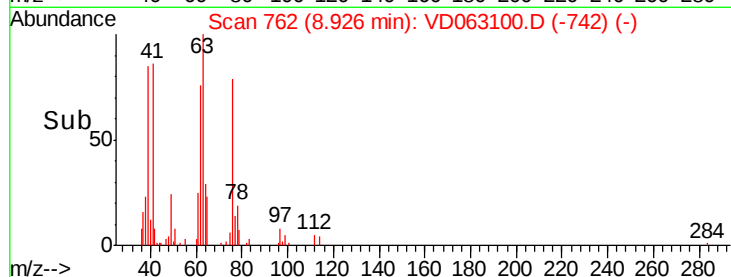
30000

20000

10000

0

Time--> 8.80 8.90 9.00



#46

Dibromomethane

Concen: 20.748 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.02 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

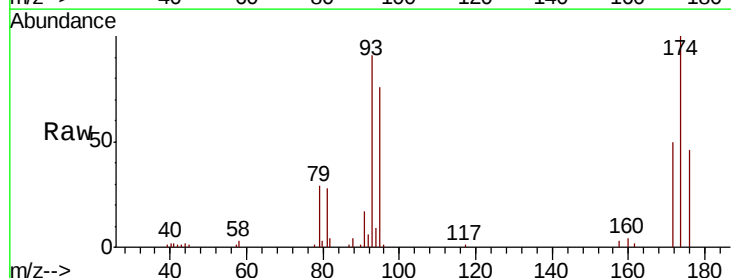
Tgt Ion: 93 Resp: 94848

Ion Ratio Lower Upper

93 100

95 83.7 59.7 89.5

174 110.1 93.9 140.9



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

9.04

60000

50000

40000

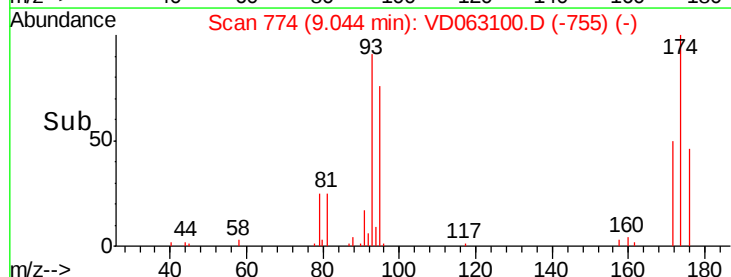
30000

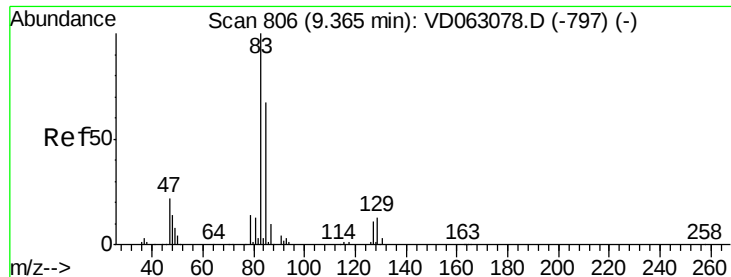
20000

10000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 21.196 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

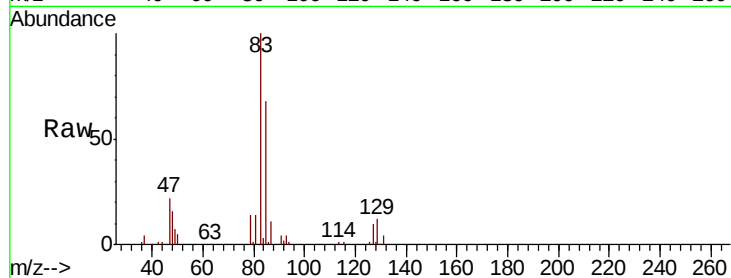
Tgt Ion: 83 Resp: 252855

Ion Ratio Lower Upper

83 100

85 68.1 53.7 80.5

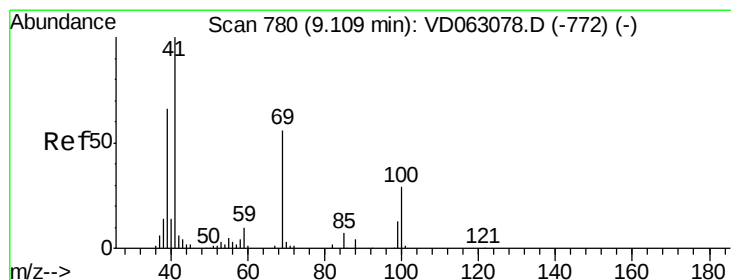
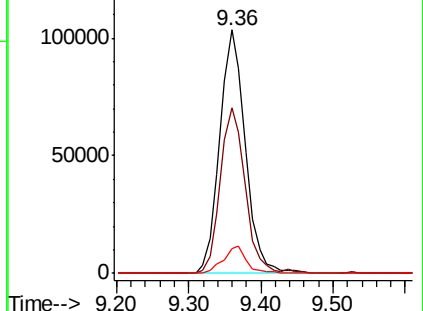
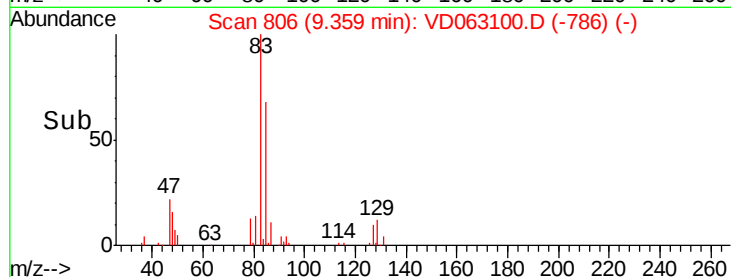
127 10.2 9.0 13.6



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.064 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

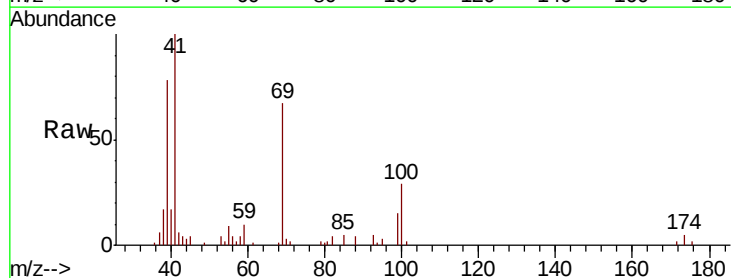
Tgt Ion: 41 Resp: 82344

Ion Ratio Lower Upper

41 100

69 66.8 44.3 66.5#

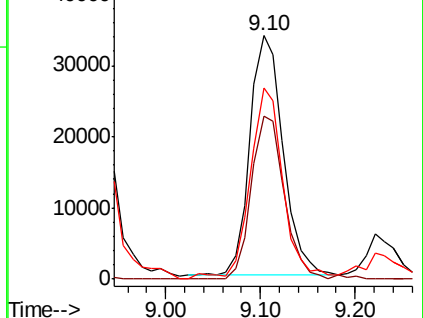
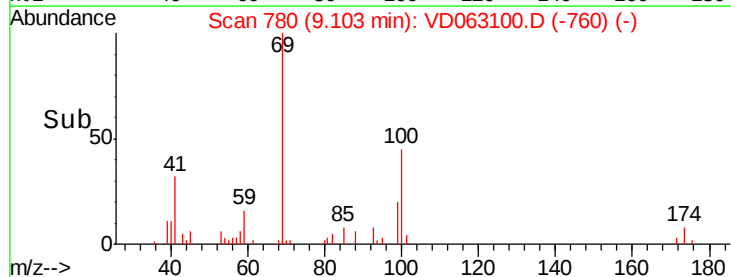
39 78.3 52.6 78.8

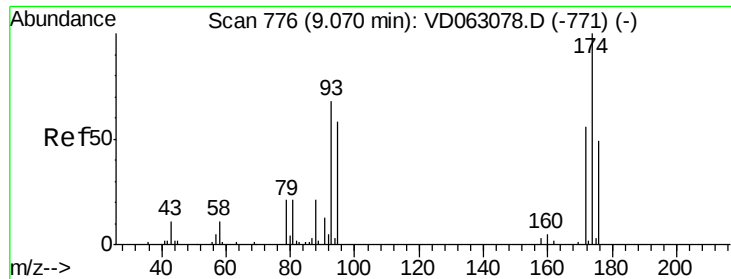


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 409.332 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

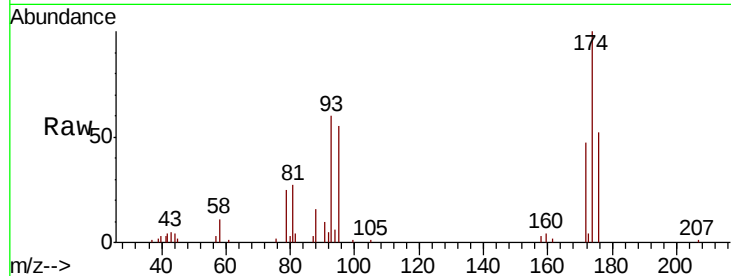
Tgt Ion: 88 Resp: 14488

Ion Ratio Lower Upper

88 100

43 32.2 40.2 60.4#

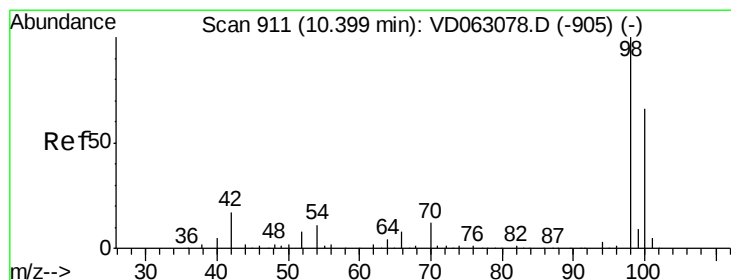
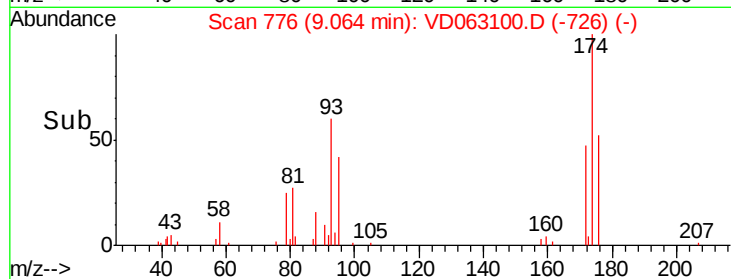
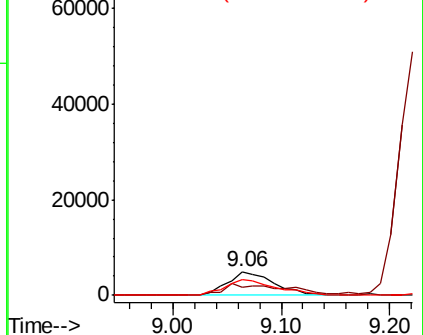
58 65.5 41.6 62.4#



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: 47.003 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD063100.D

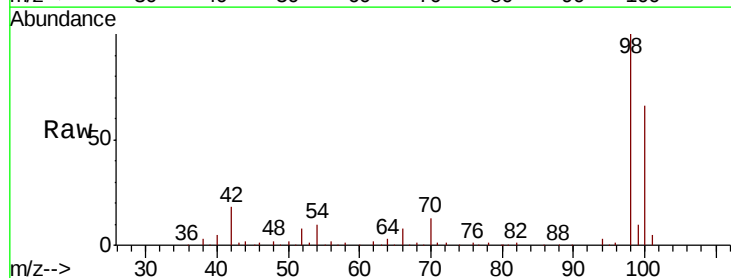
Acq: 16 Jul 2019 12:21

Tgt Ion: 98 Resp: 910913

Ion Ratio Lower Upper

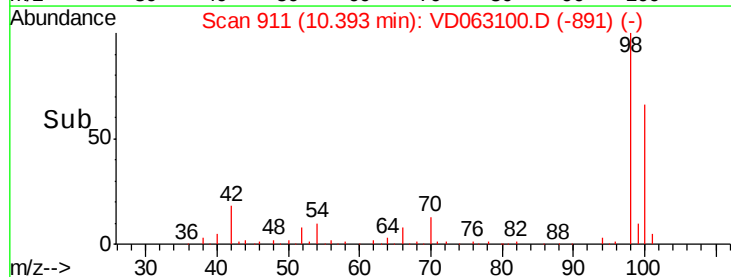
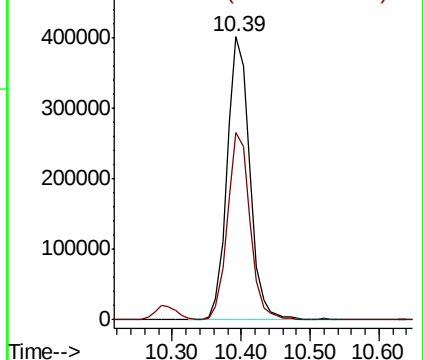
98 100

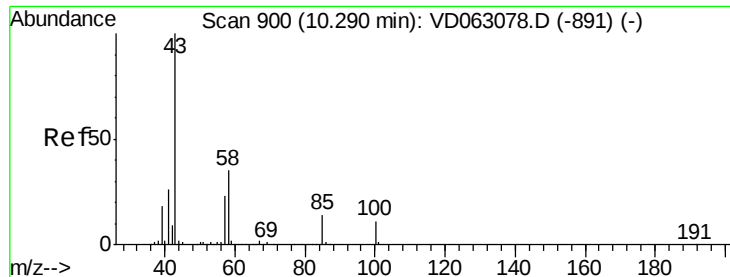
100 66.3 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

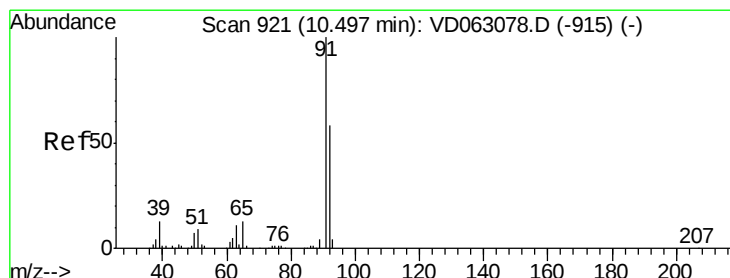
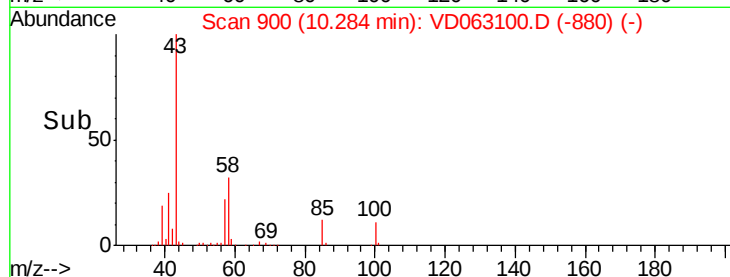
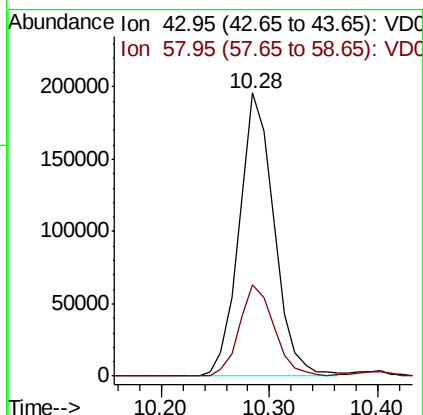
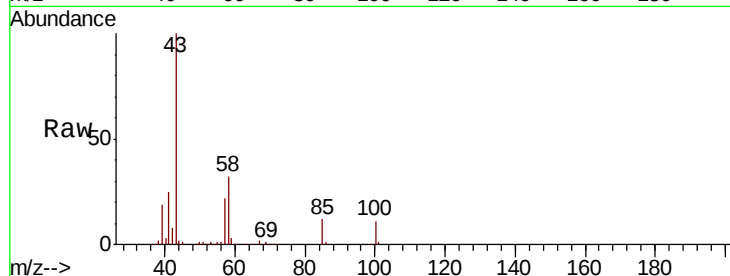




#51
 4-Methyl-2-Pentanone
 Concen: 105.924 ug/l
 RT: 10.28 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

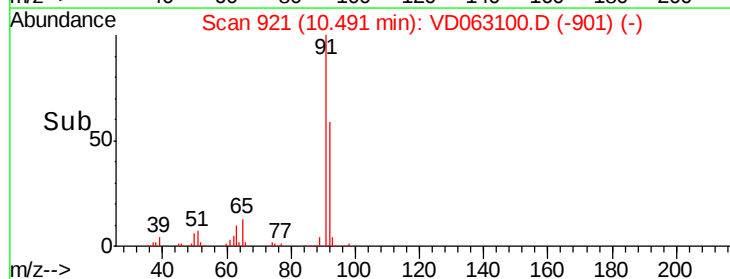
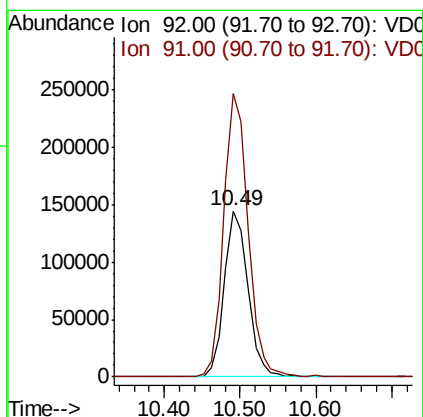
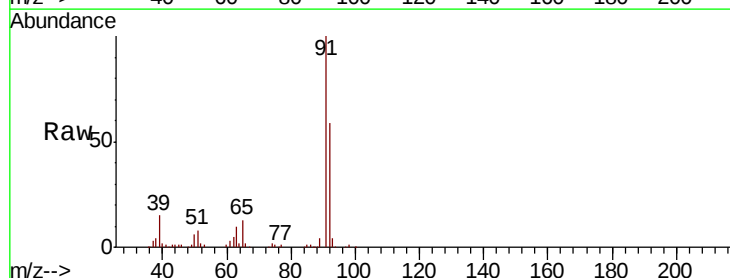
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

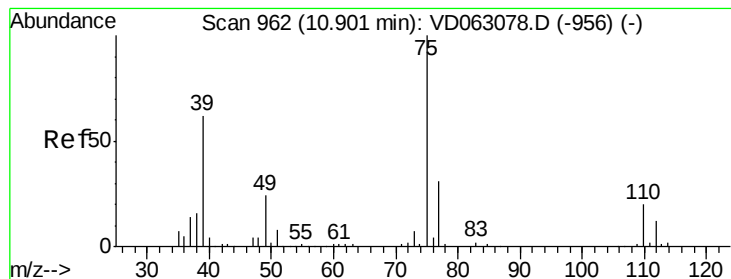
Tgt Ion: 43 Resp: 439059
 Ion Ratio Lower Upper
 43 100
 58 32.2 27.8 41.6



#52
 Toluene
 Concen: 22.001 ug/l
 RT: 10.49 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

Tgt Ion: 92 Resp: 313479
 Ion Ratio Lower Upper
 92 100
 91 170.8 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 21.372 ug/l

RT: 10.89 min Scan# 962

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

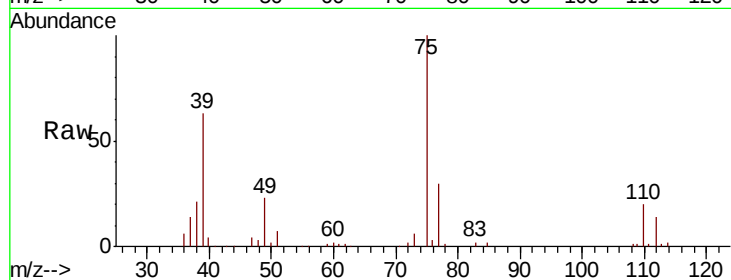
VD0716SBS02

Tgt Ion: 75 Resp: 218436

Ion Ratio Lower Upper

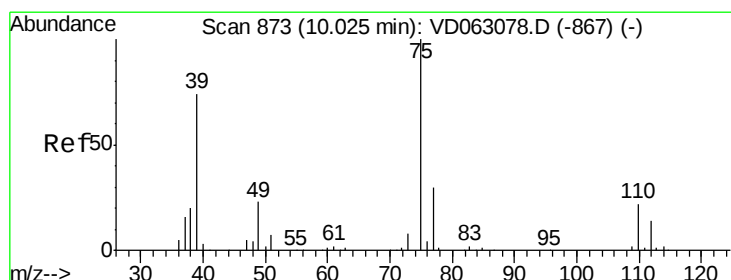
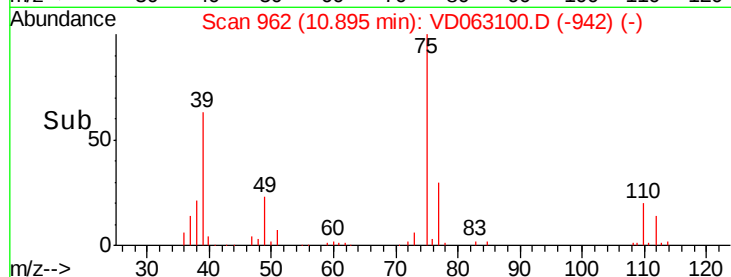
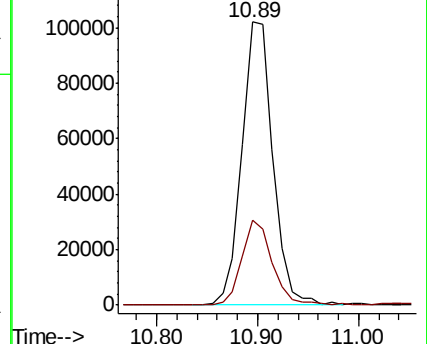
75 100

77 30.0 24.9 37.3



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: 20.854 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

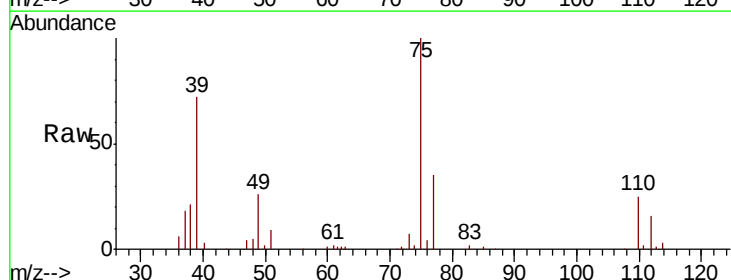
Tgt Ion: 75 Resp: 220380

Ion Ratio Lower Upper

75 100

77 35.5 23.9 35.9

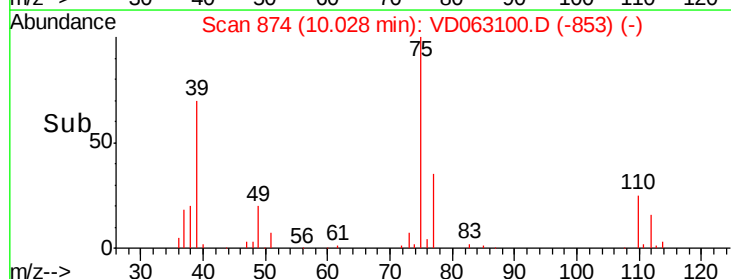
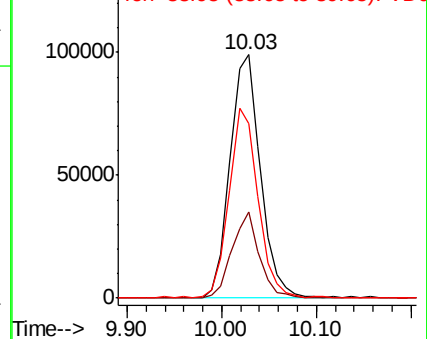
39 71.8 59.4 89.0

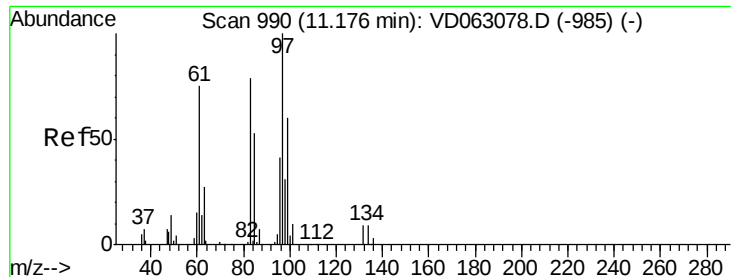


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 21.420 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.00 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

Tgt Ion: 97 Resp: 105470

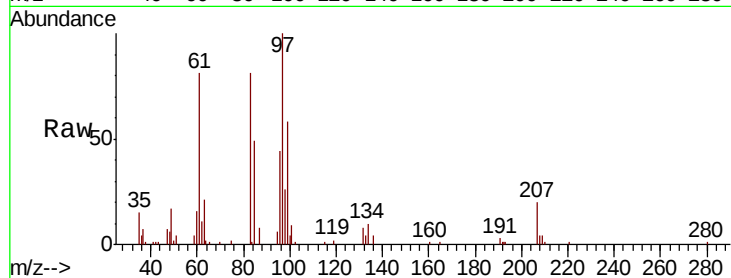
Ion Ratio Lower Upper

97 100

83 81.2 63.2 94.8

85 49.3 42.0 63.0

99 57.8 48.3 72.5

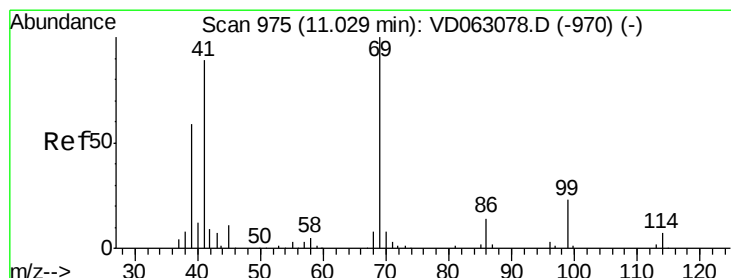
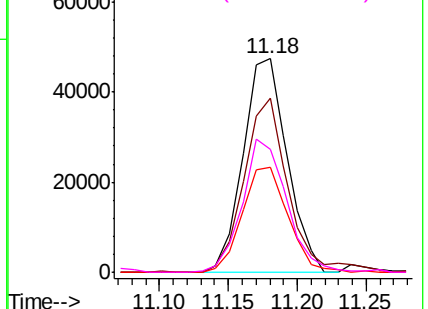
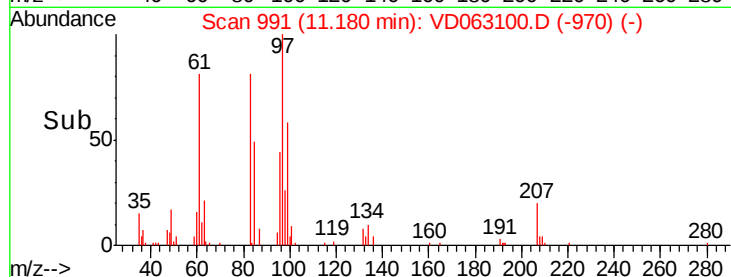


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.121 ug/l

RT: 11.03 min Scan# 976

Delta R.T. 0.00 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

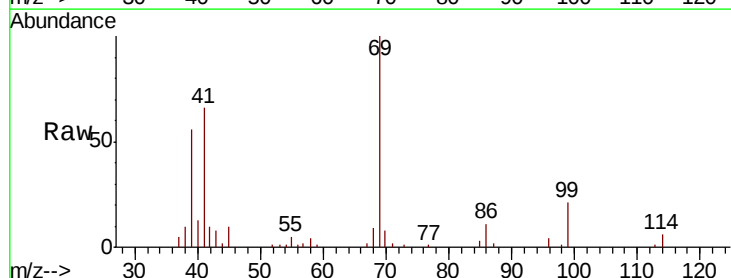
Tgt Ion: 69 Resp: 110698

Ion Ratio Lower Upper

69 100

41 65.6 71.0 106.4#

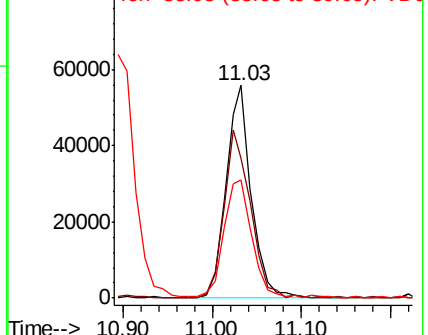
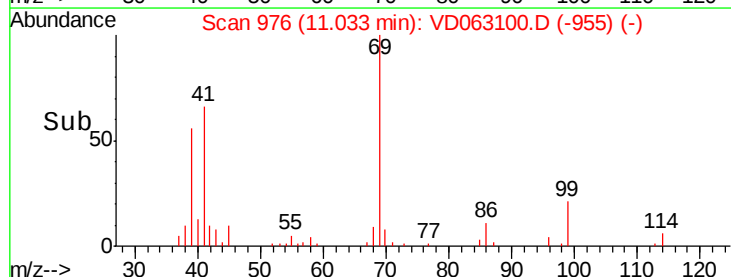
39 55.5 47.7 71.5

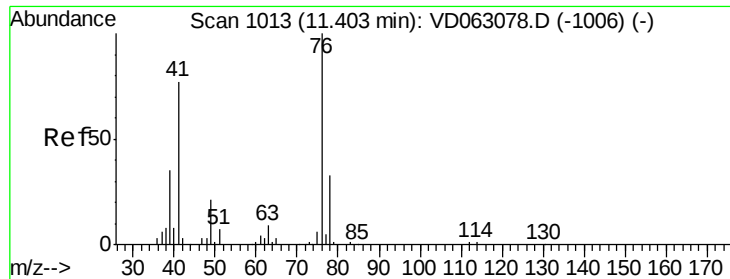


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

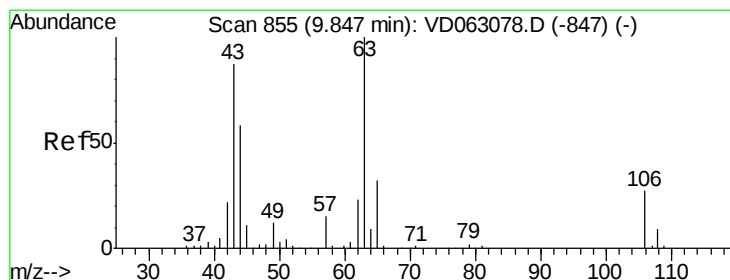
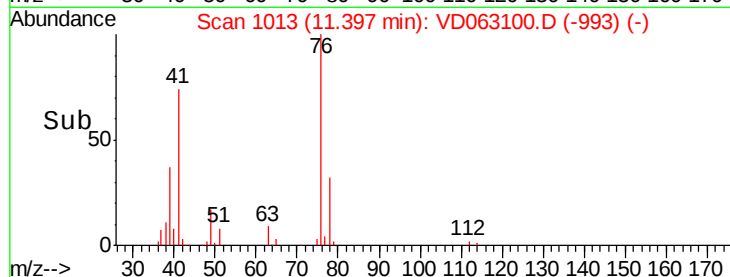
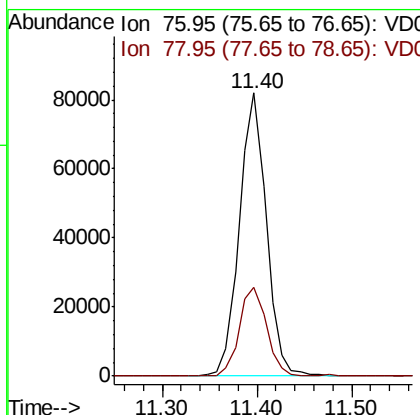
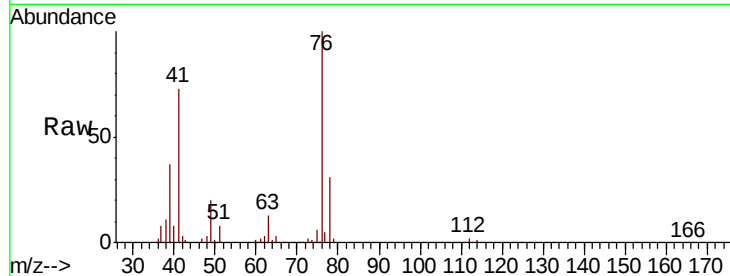




#57
 1,3-Dichloropropane
 Concen: 21.583 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

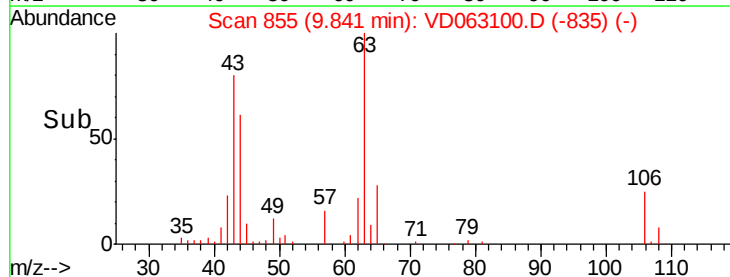
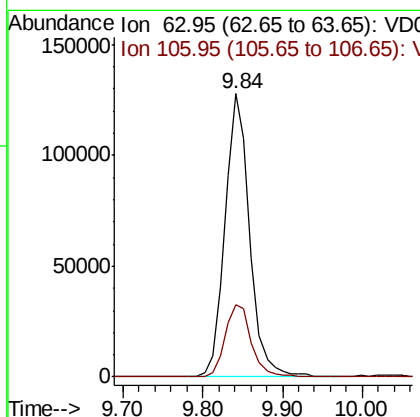
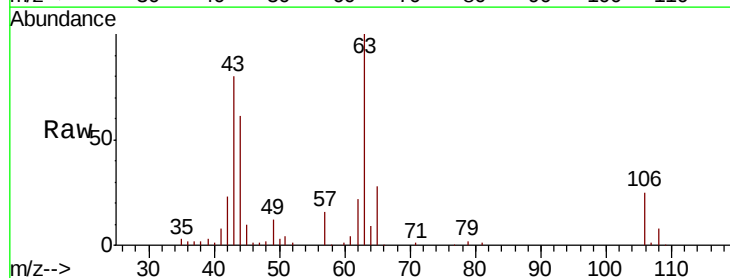
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

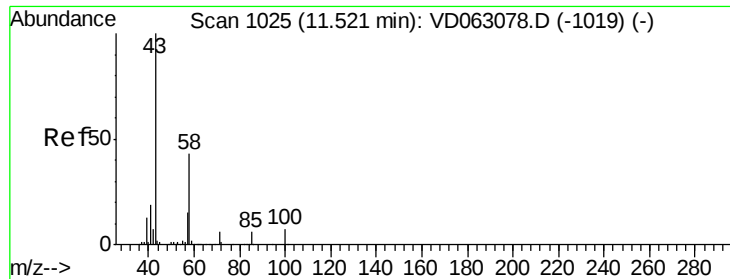
Tgt Ion: 76 Resp: 161711
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.763 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

Tgt Ion: 63 Resp: 278036
 Ion Ratio Lower Upper
 63 100
 106 25.4 21.3 31.9

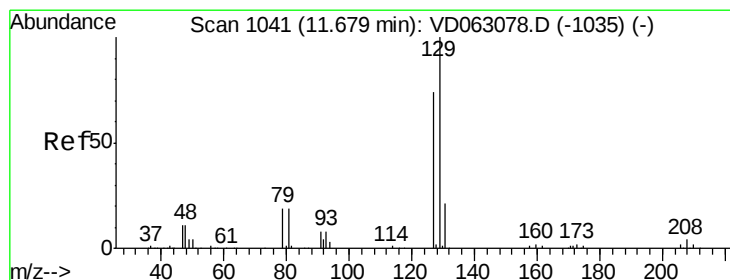
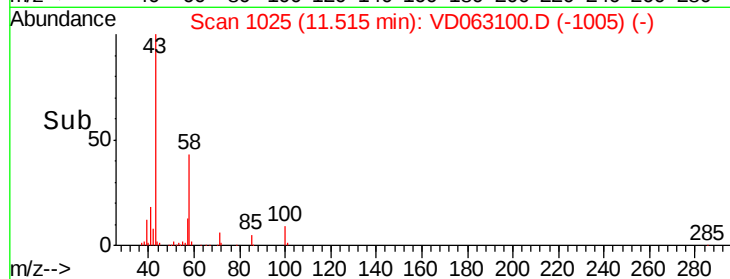
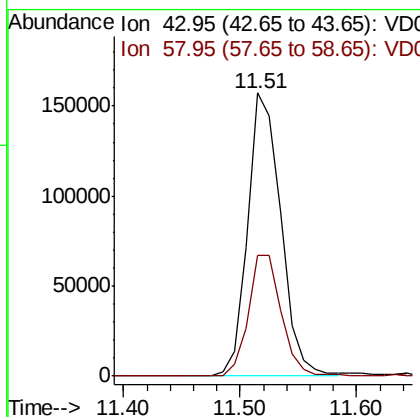
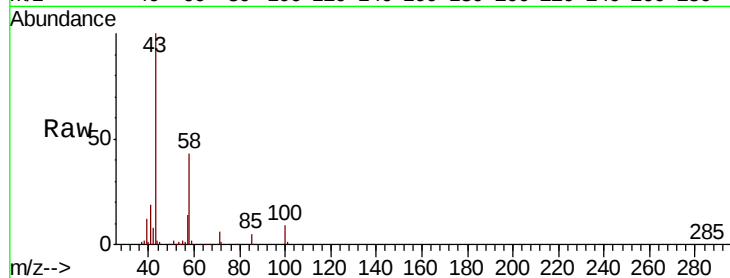




#59
2-Hexanone
Concen: 96.919 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

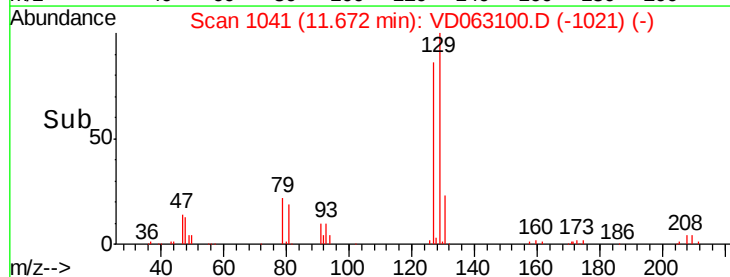
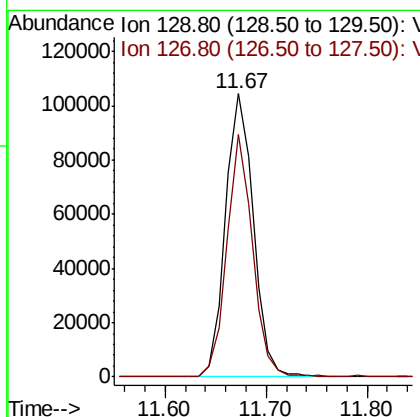
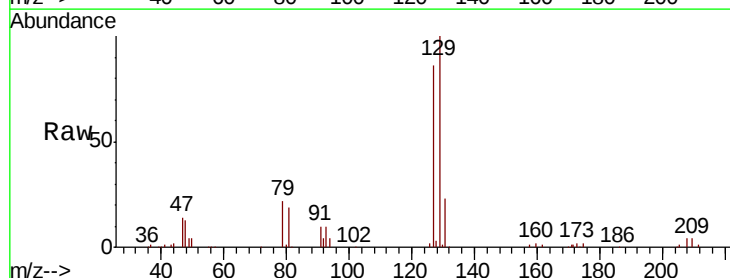
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

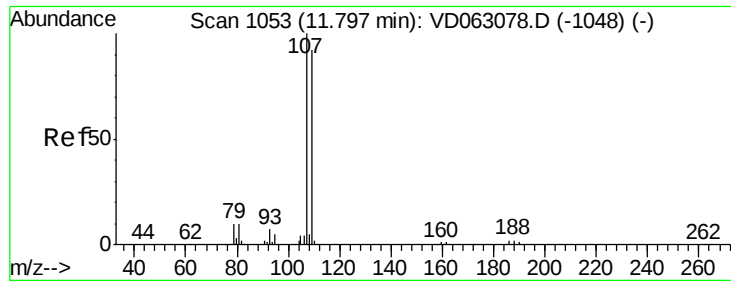
Tgt Ion: 43 Resp: 309822
Ion Ratio Lower Upper
43 100
58 42.6 21.7 65.1



#60
Dibromochloromethane
Concen: 21.235 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion: 129 Resp: 200430
Ion Ratio Lower Upper
129 100
127 85.8 37.0 110.9





#61

1,2-Dibromoethane

Concen: 22.527 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

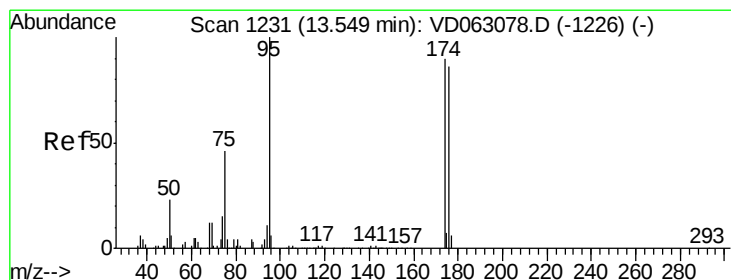
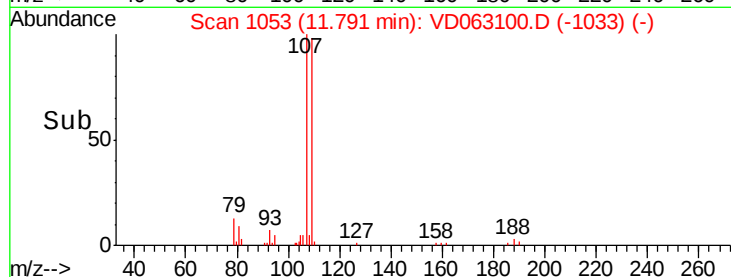
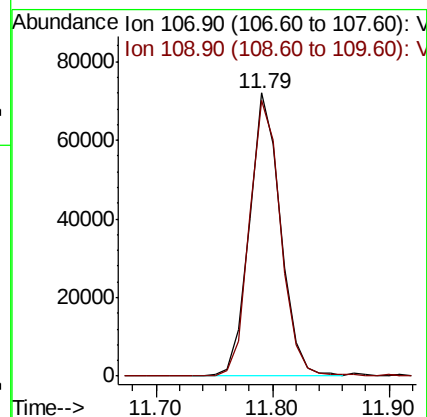
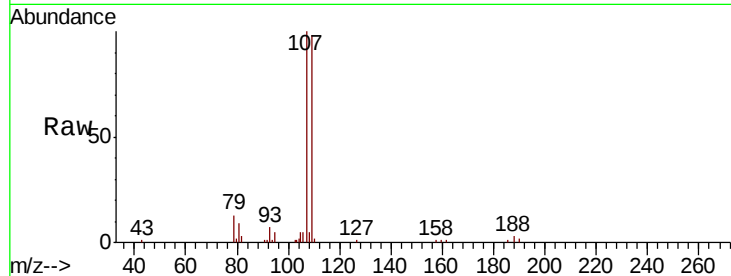
VD0716SBS02

Tgt Ion: 107 Resp: 132773

Ion Ratio Lower Upper

107 100

109 97.6 73.6 110.4



#62

4-Bromofluorobenzene

Concen: 47.464 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

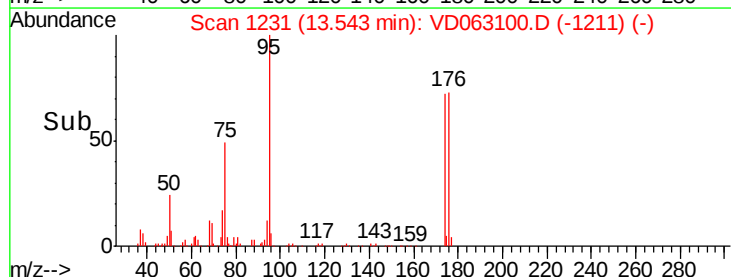
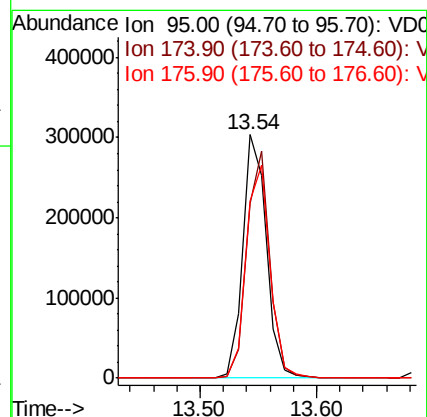
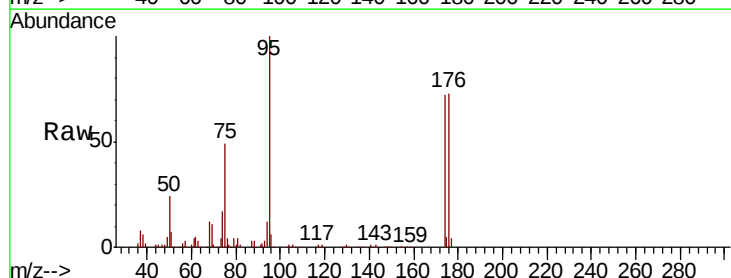
Tgt Ion: 95 Resp: 425557

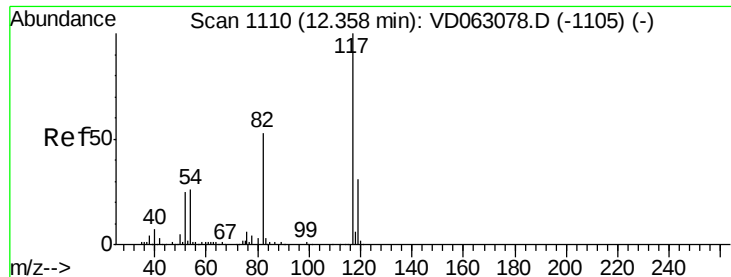
Ion Ratio Lower Upper

95 100

174 71.5 0.0 180.6

176 73.0 0.0 172.2

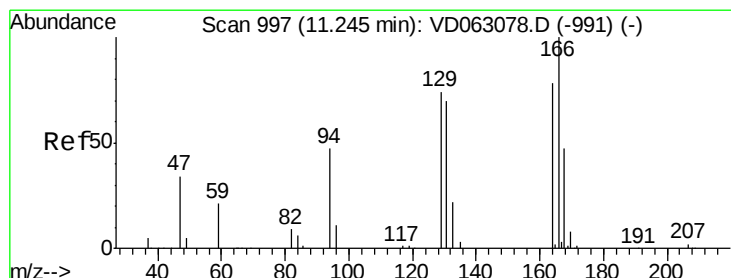
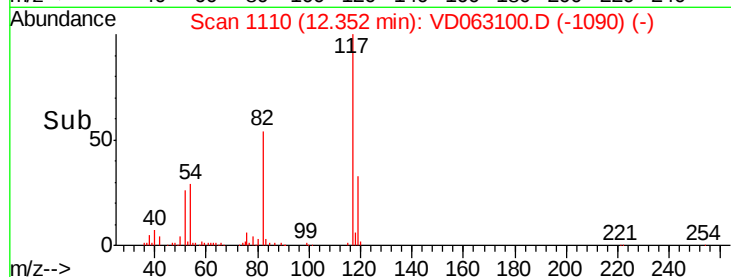
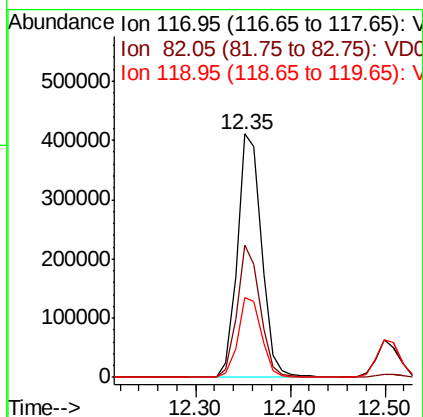
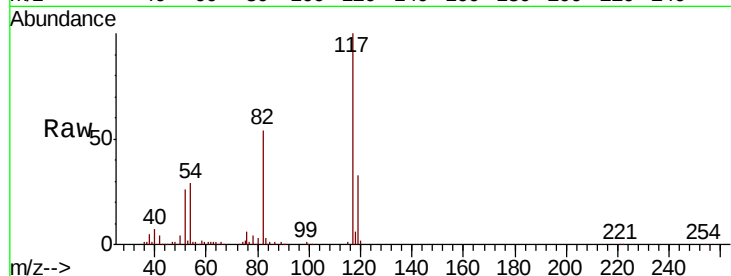




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

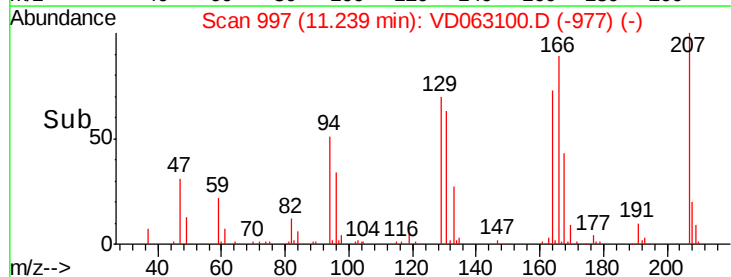
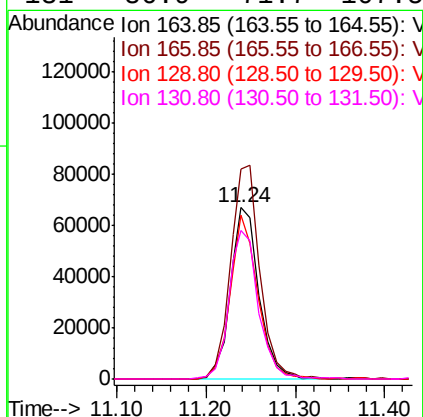
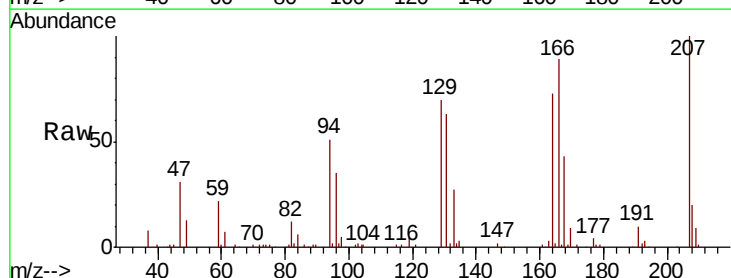
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

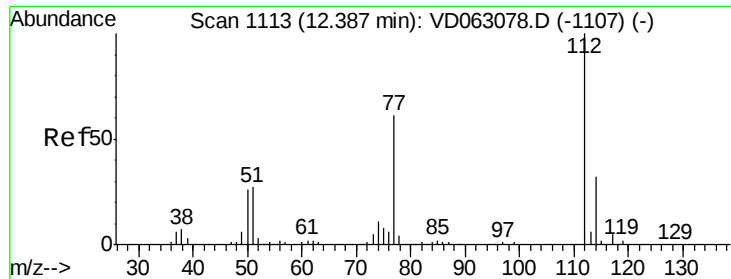
Tgt Ion:117 Resp: 728070
Ion Ratio Lower Upper
117 100
82 54.2 42.3 63.5
119 33.0 25.2 37.8



#64
Tetrachloroethene
Concen: 21.377 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion:164 Resp: 151019
Ion Ratio Lower Upper
164 100
166 122.3 102.8 154.2
129 95.4 76.4 114.6
131 86.9 71.7 107.5

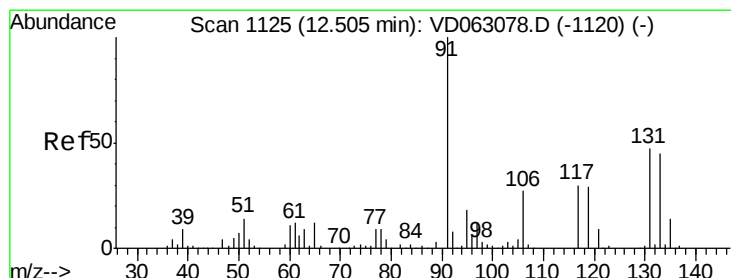
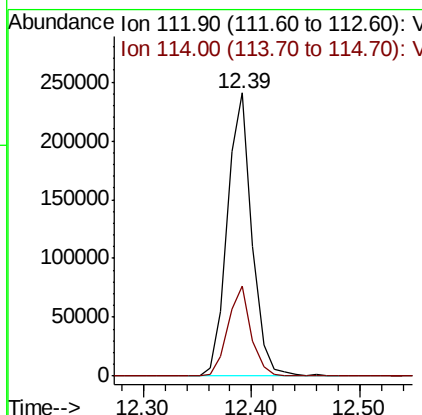
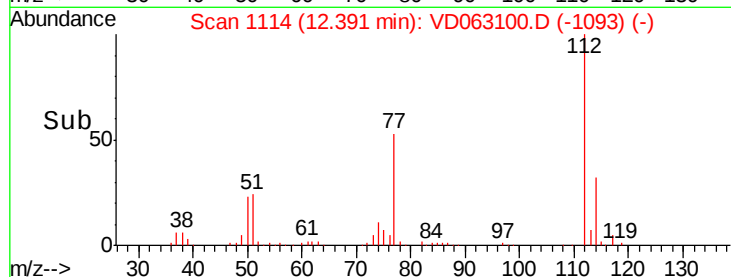
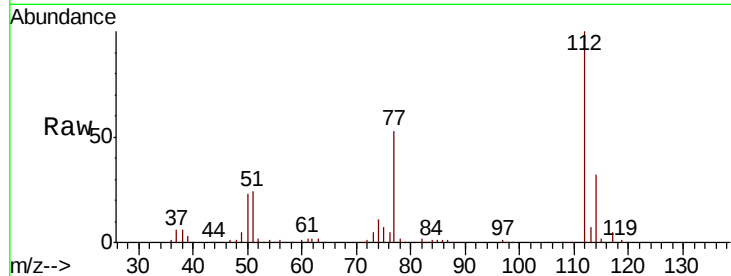




#65
Chlorobenzene
Concen: 22.159 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

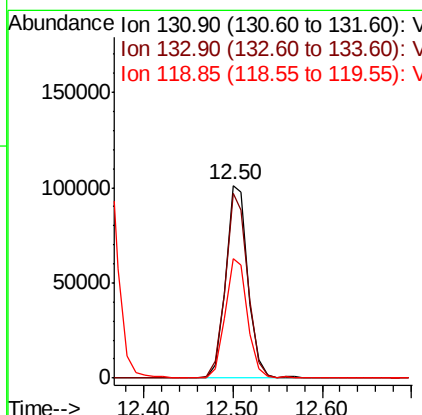
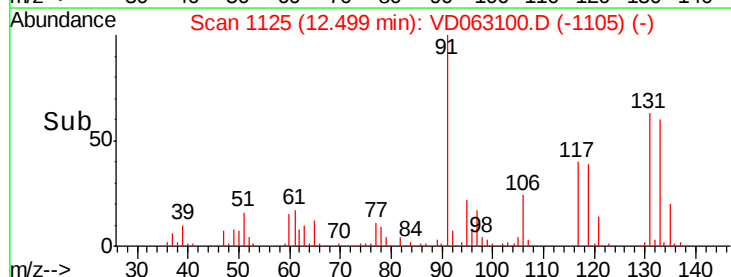
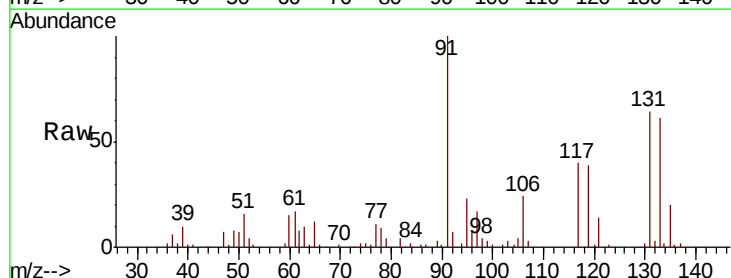
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

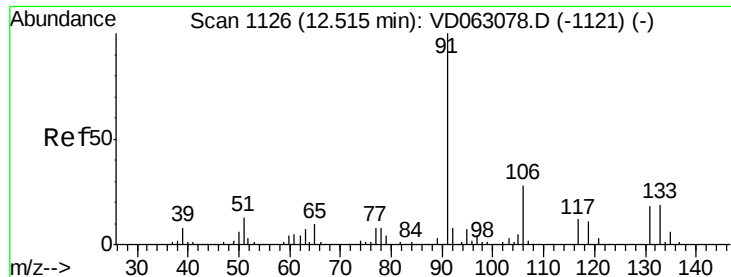
Tgt Ion:112 Resp: 379241
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 22.532 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion:131 Resp: 178787
Ion Ratio Lower Upper
131 100
133 95.5 48.5 145.6
119 61.6 30.8 92.3

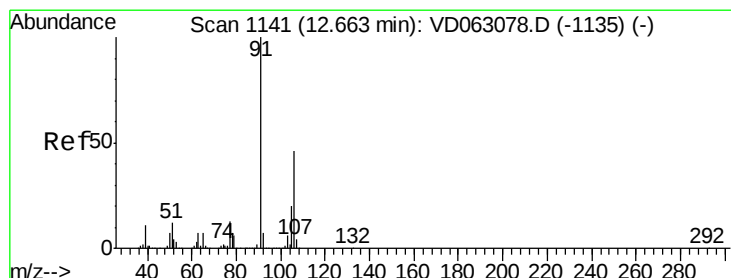
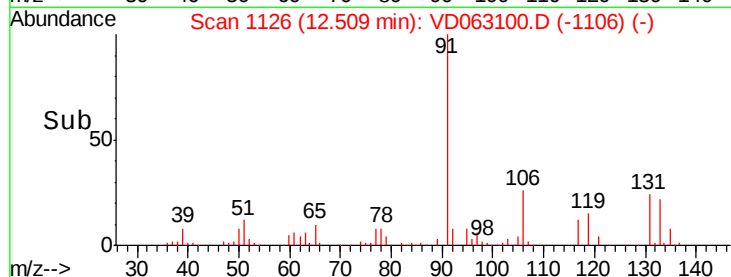
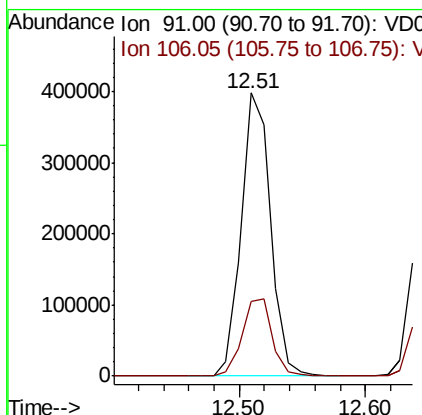
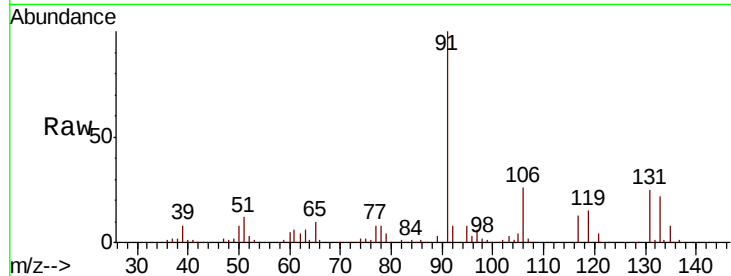




#67
Ethyl Benzene
Concen: 21.533 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

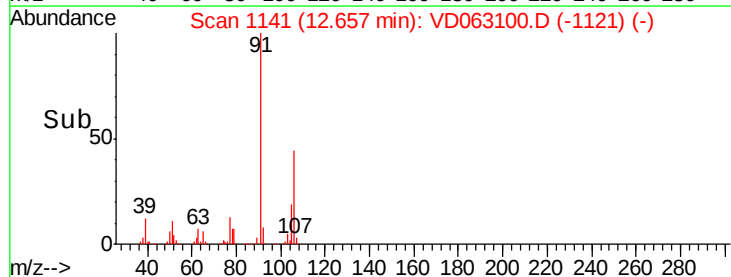
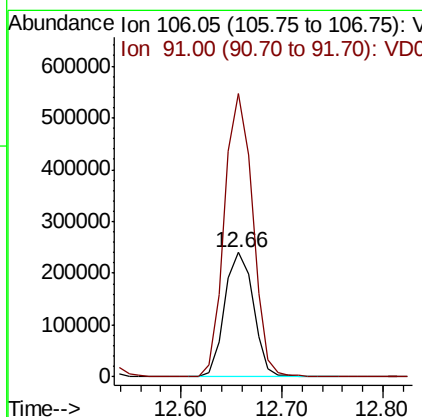
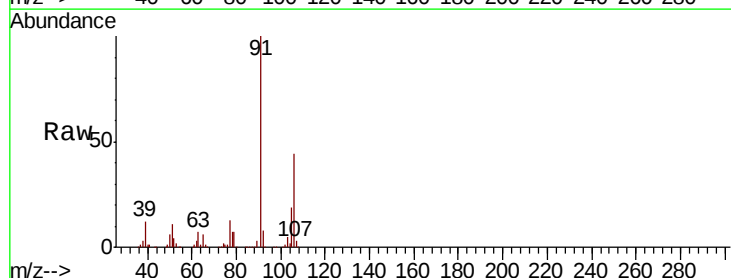
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

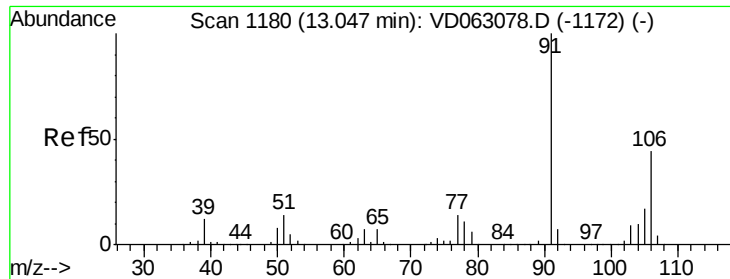
Tgt Ion: 91 Resp: 640342
Ion Ratio Lower Upper
91 100
106 26.4 22.5 33.7



#68
m/p-Xylenes
Concen: 45.035 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion: 106 Resp: 479674
Ion Ratio Lower Upper
106 100
91 227.4 173.0 259.6

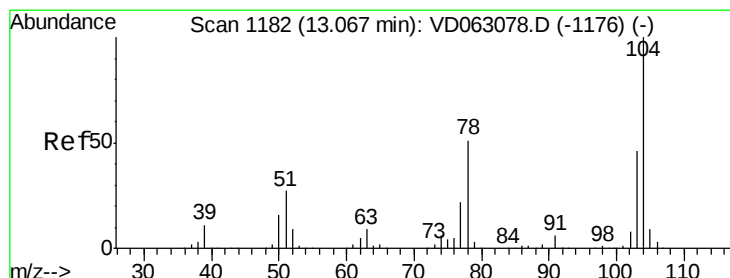
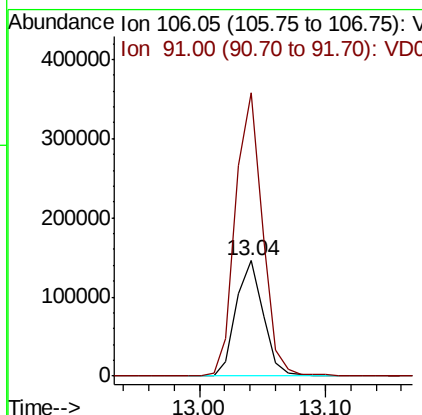
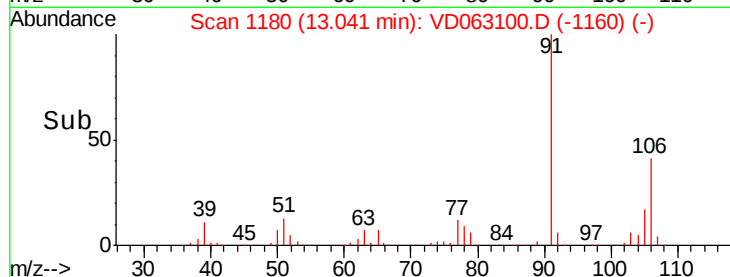
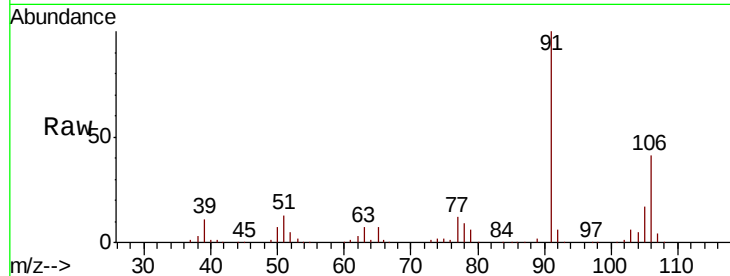




#69
o-Xylene
Concen: 21.352 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

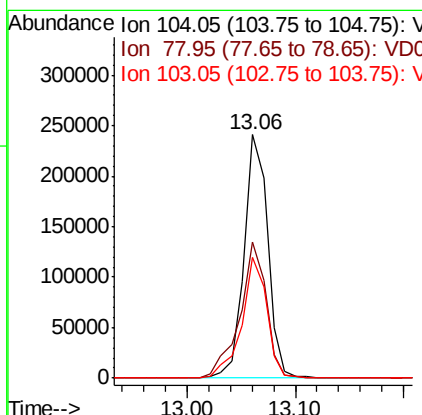
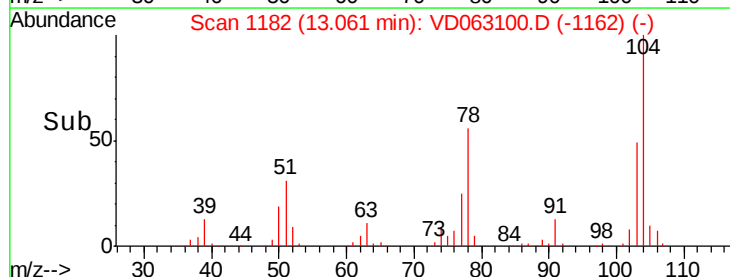
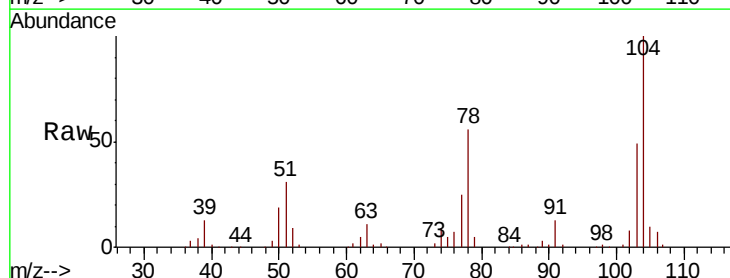
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

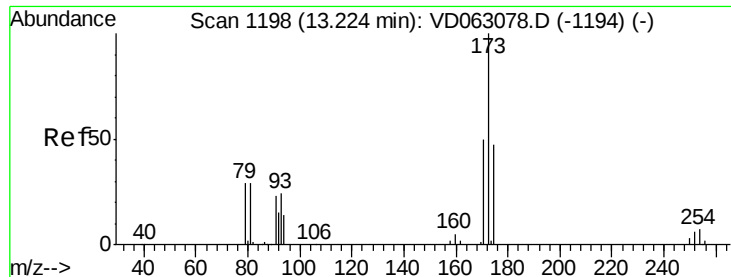
Tgt Ion:106 Resp: 215648
Ion Ratio Lower Upper
106 100
91 245.9 114.9 344.7



#70
Styrene
Concen: 20.746 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion:104 Resp: 366757
Ion Ratio Lower Upper
104 100
78 55.7 41.1 61.7
103 49.5 37.0 55.6

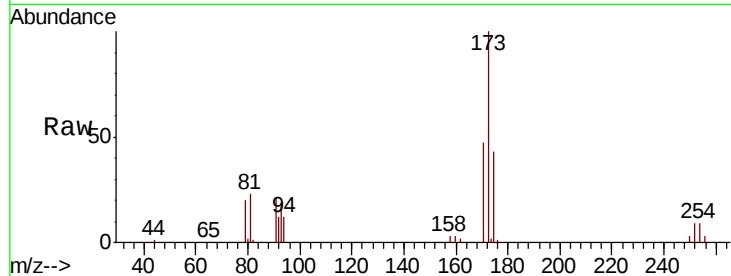




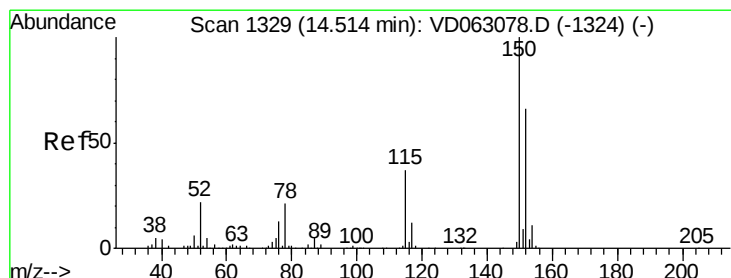
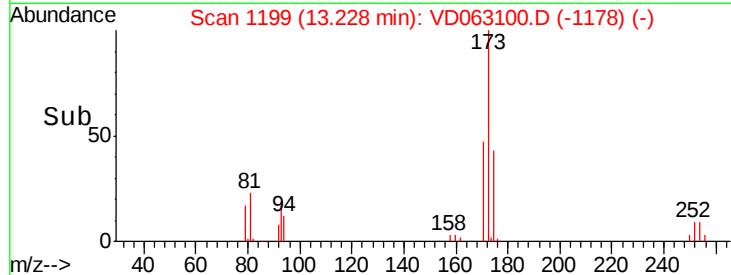
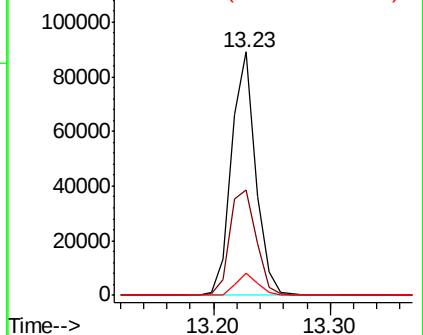
#71
Bromoform
Concen: 23.030 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

Tgt Ion:173 Resp: 127940
Ion Ratio Lower Upper
173 100
175 43.2 23.4 70.2
254 9.1 5.4 8.0#

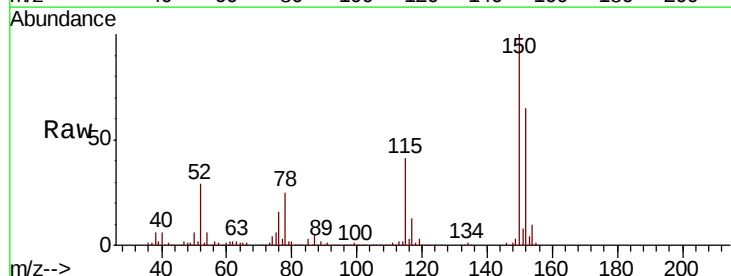


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

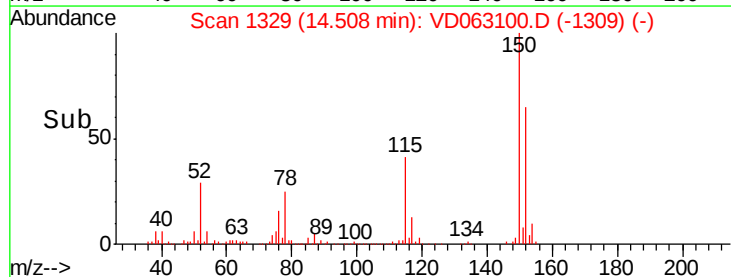
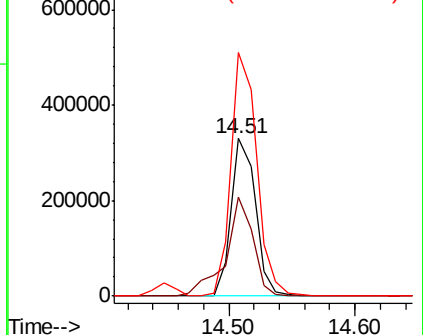


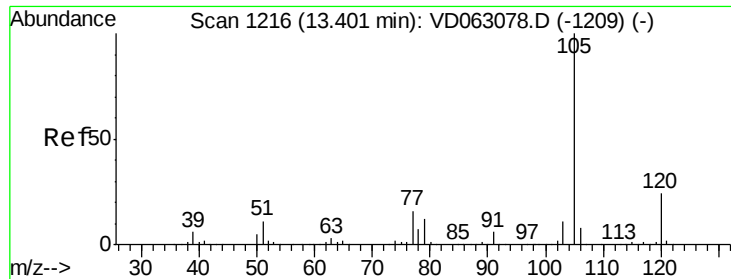
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion:152 Resp: 435922
Ion Ratio Lower Upper
152 100
115 62.9 28.9 86.8
150 154.4 0.0 313.8



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: 19.013 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

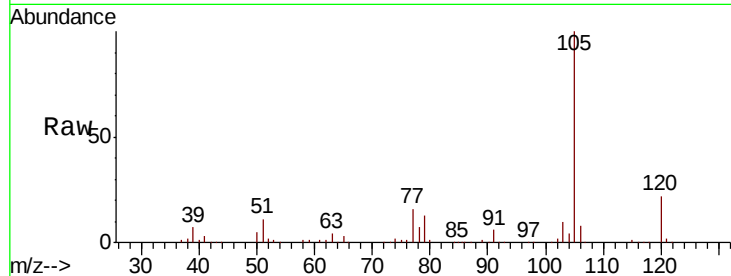
VD0716SBS02

Tgt Ion: 105 Resp: 640071

Ion Ratio Lower Upper

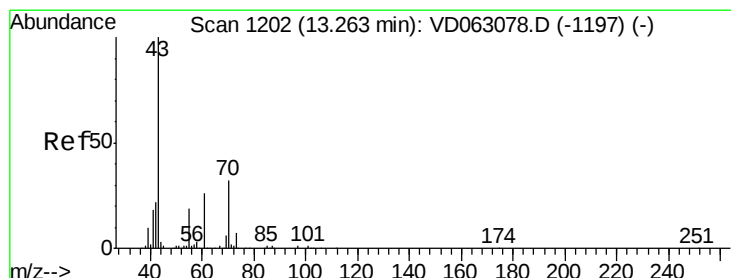
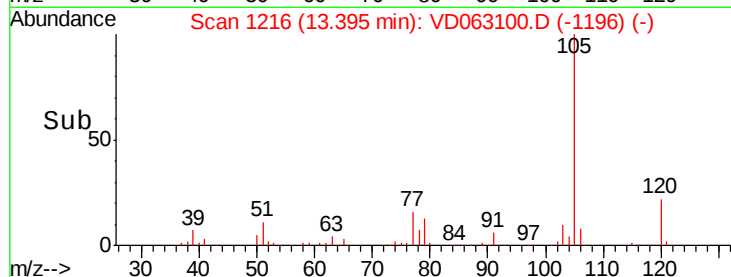
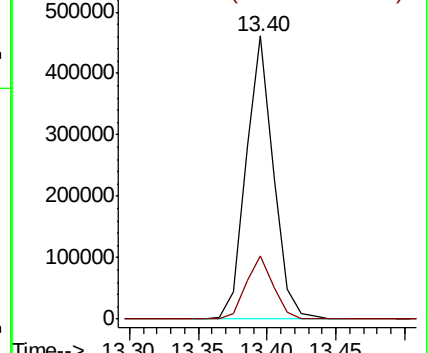
105 100

120 22.3 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.277 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Tgt Ion: 43 Resp: 171604

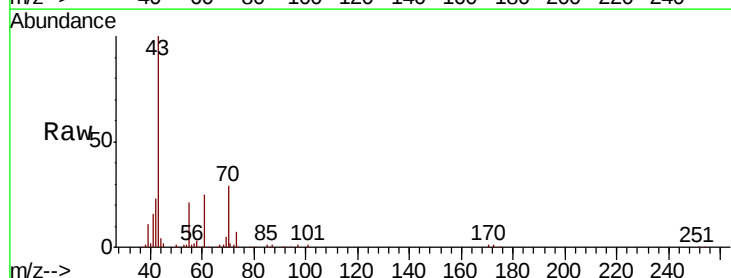
Ion Ratio Lower Upper

43 100

70 29.2 25.5 38.3

55 20.7 15.4 23.0

61 24.6 20.6 31.0

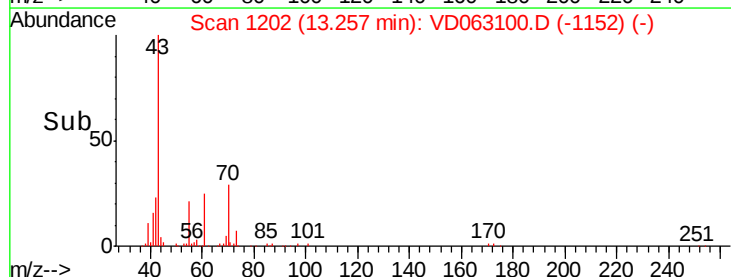
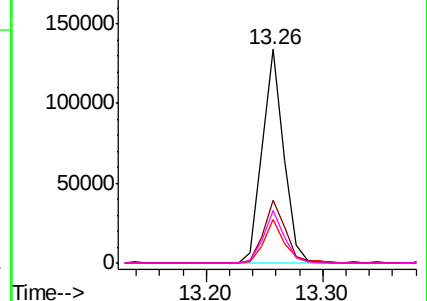


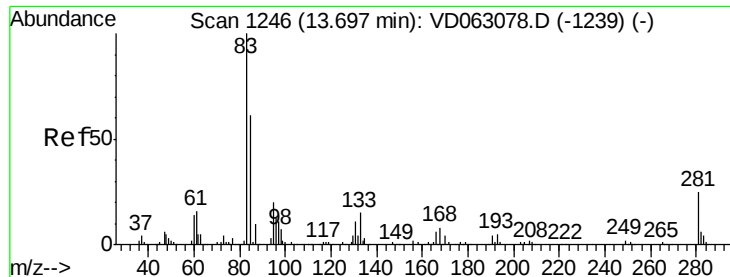
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.834 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

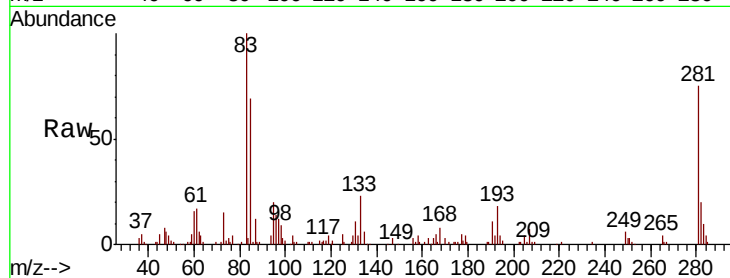
Tgt Ion: 83 Resp: 121485

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.7

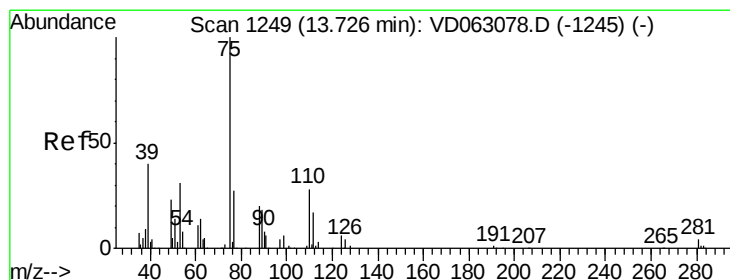
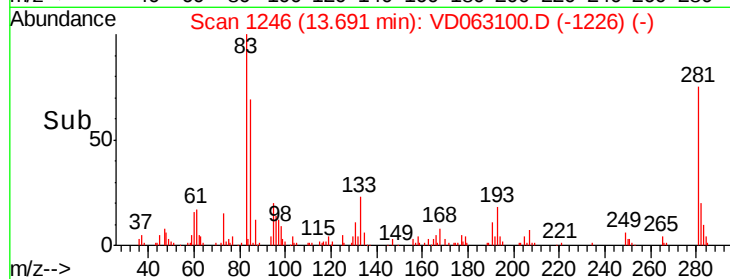
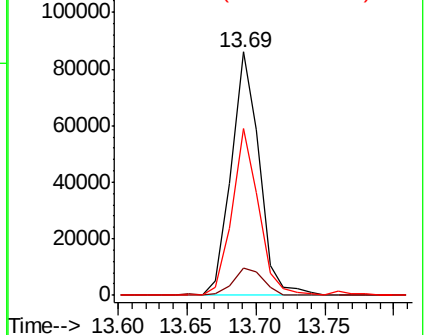
85 68.5 30.7 92.1



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: 18.953 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063100.D

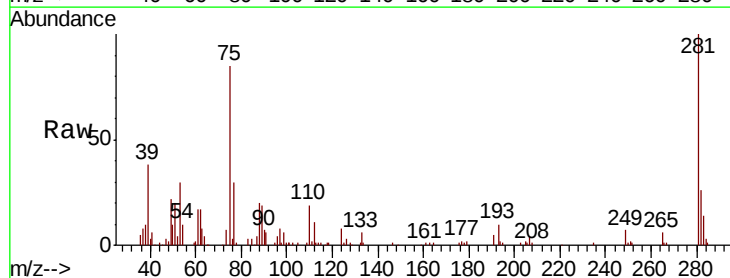
Acq: 16 Jul 2019 12:21

Tgt Ion: 75 Resp: 127092

Ion Ratio Lower Upper

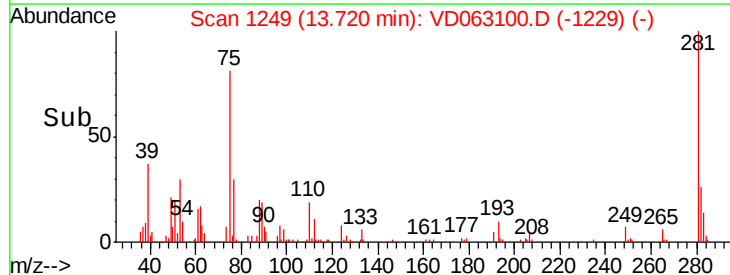
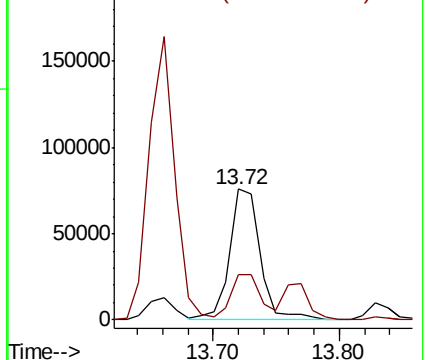
75 100

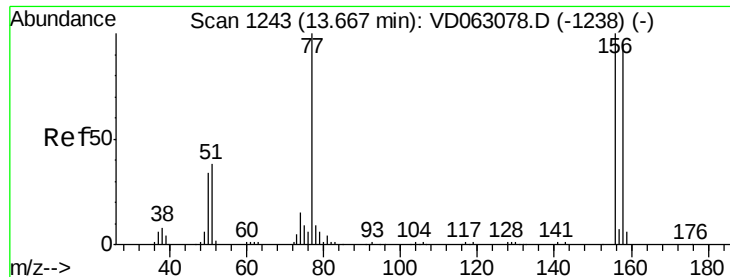
77 35.0 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.655 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

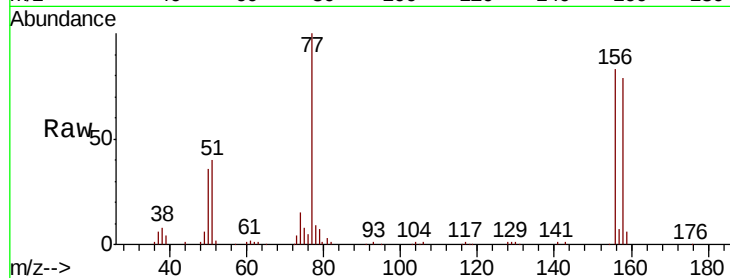
Tgt Ion:156 Resp: 187639

Ion Ratio Lower Upper

156 100

77 120.5 50.2 150.7

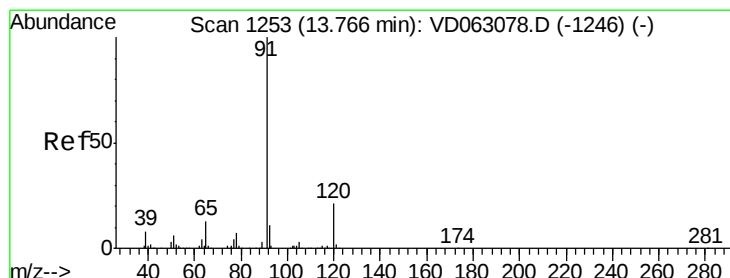
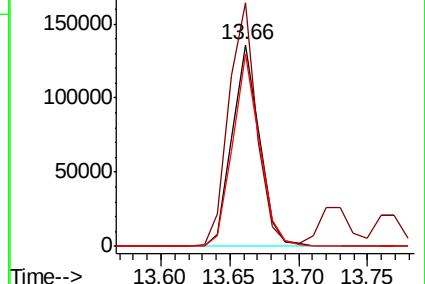
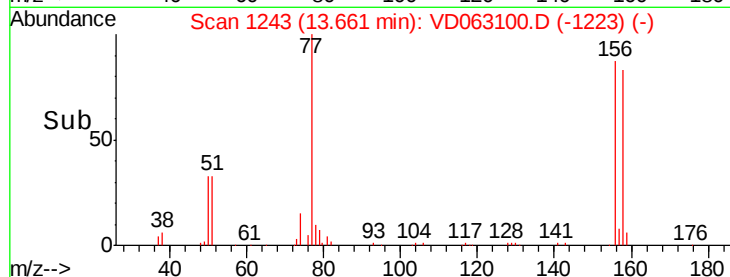
158 95.0 47.6 142.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.286 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063100.D

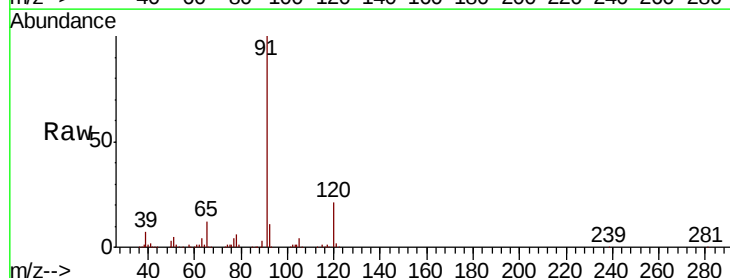
Acq: 16 Jul 2019 12:21

Tgt Ion: 91 Resp: 785906

Ion Ratio Lower Upper

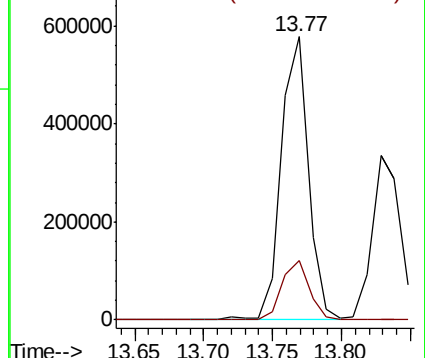
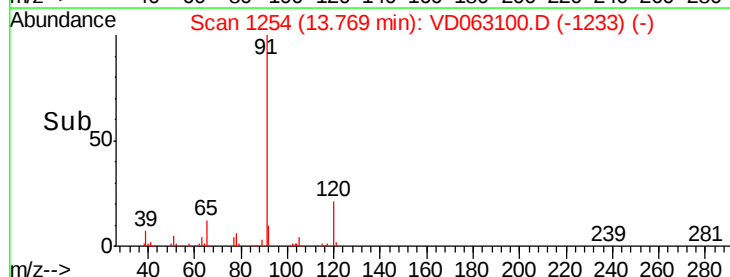
91 100

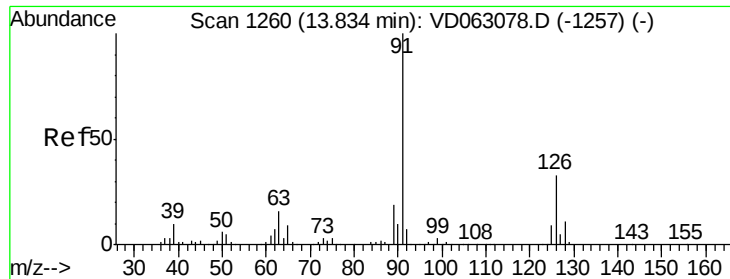
120 21.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.445 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

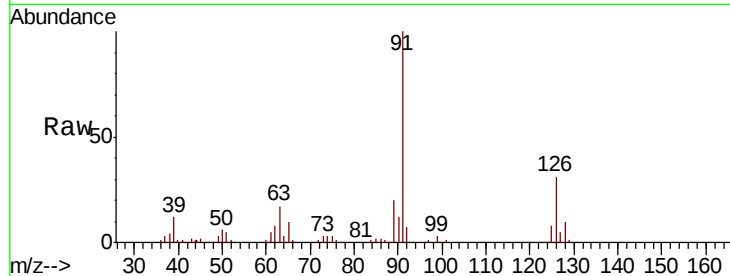
VD0716SBS02

Tgt Ion: 91 Resp: 478902

Ion Ratio Lower Upper

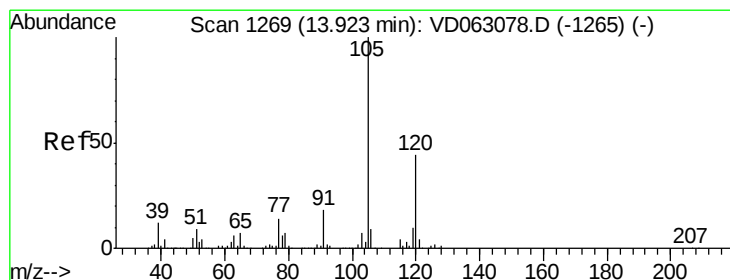
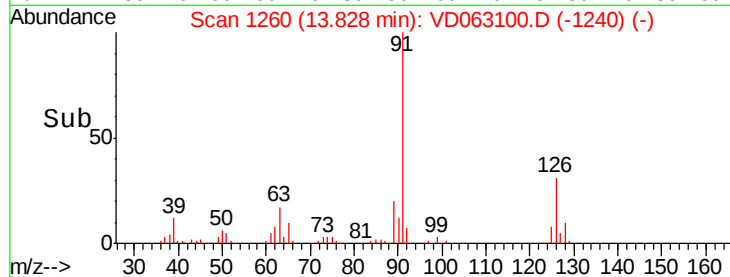
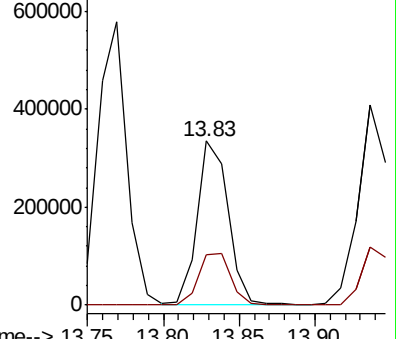
91 100

126 30.8 16.4 49.2



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: 20.191 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063100.D

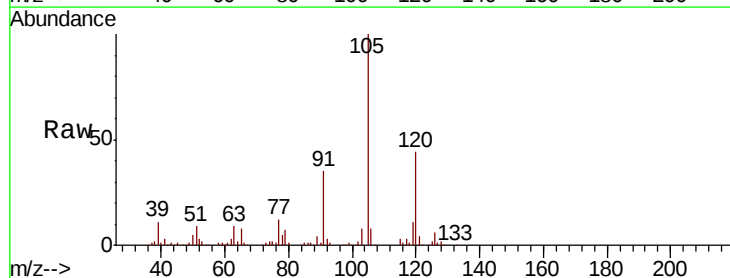
Acq: 16 Jul 2019 12:21

Tgt Ion: 105 Resp: 592423

Ion Ratio Lower Upper

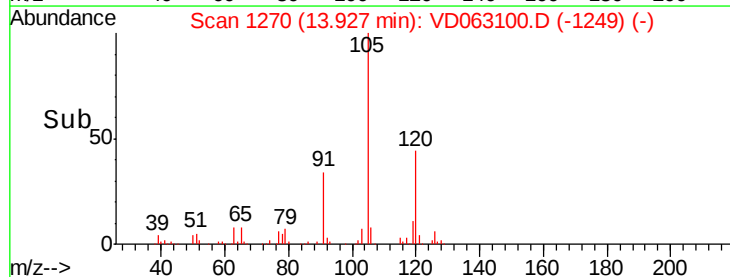
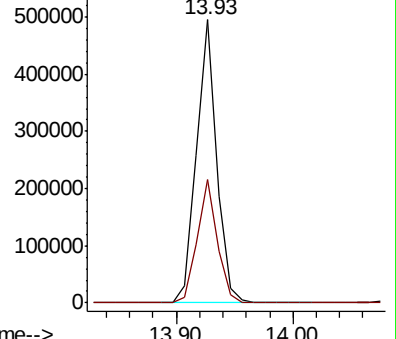
105 100

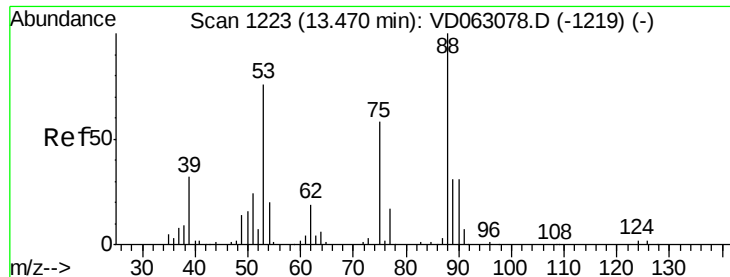
120 43.6 21.8 65.4



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: 18.894 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

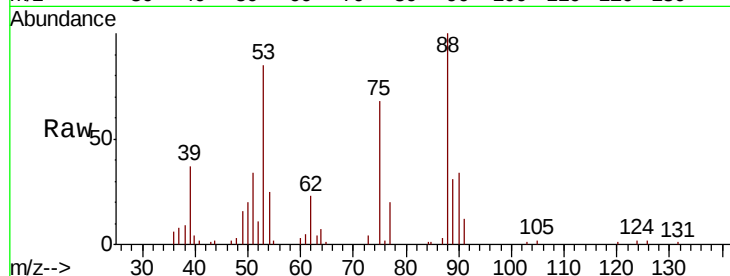
Tgt Ion: 75 Resp: 33364

Ion Ratio Lower Upper

75 100

53 125.1 104.4 156.6

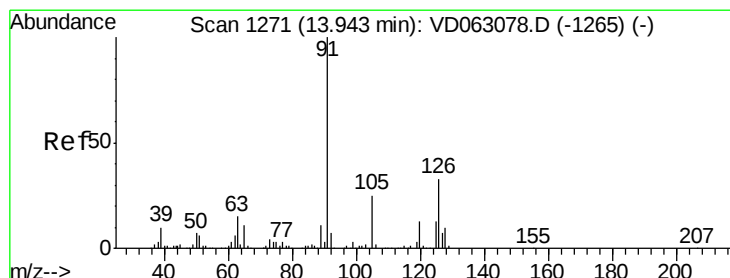
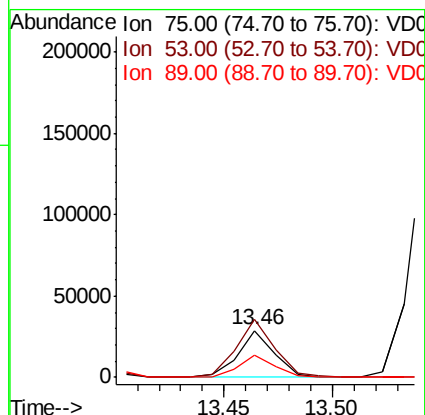
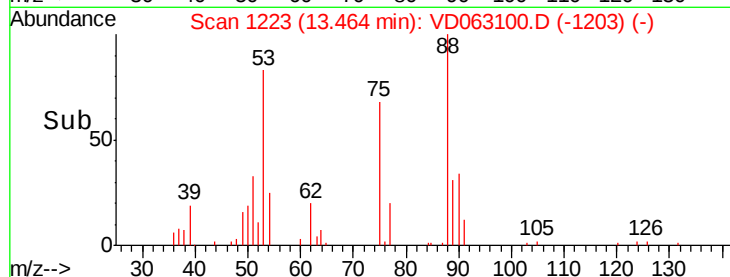
89 46.2 43.1 64.7



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: 20.841 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063100.D

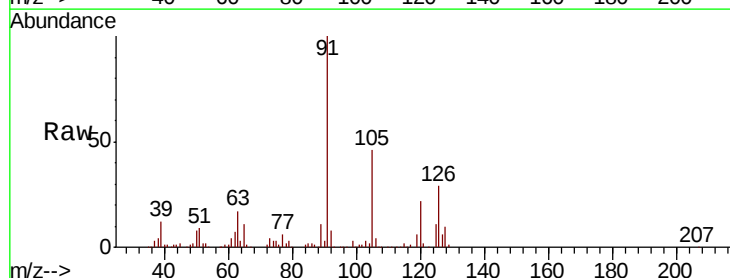
Acq: 16 Jul 2019 12:21

Tgt Ion: 91 Resp: 570052

Ion Ratio Lower Upper

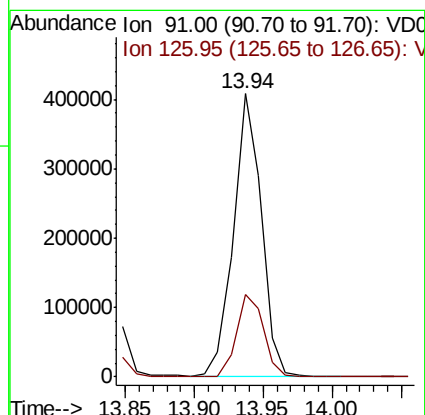
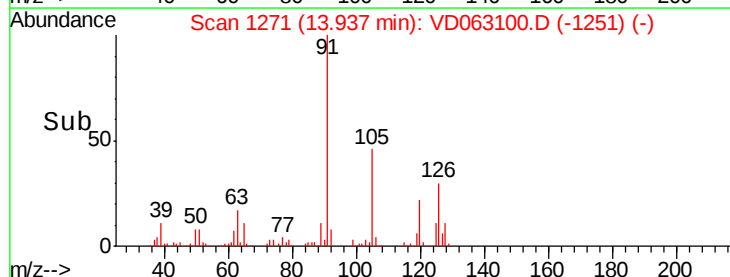
91 100

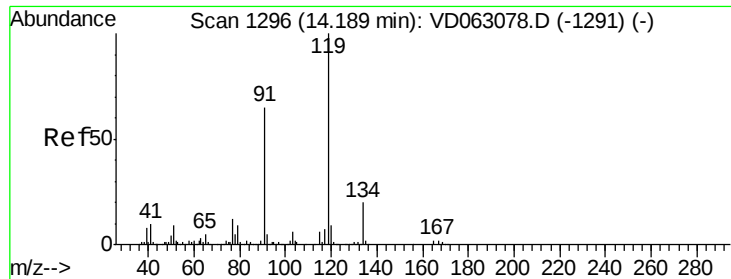
126 29.3 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

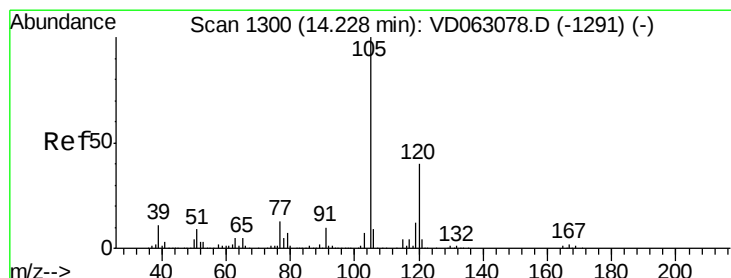
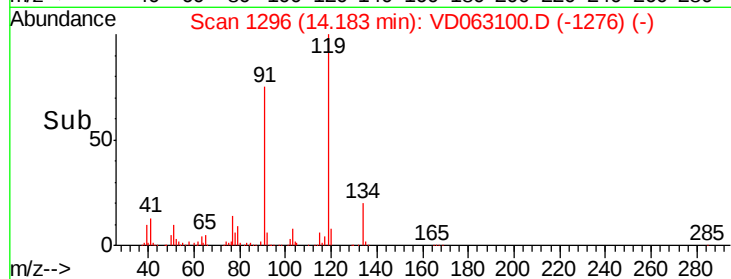
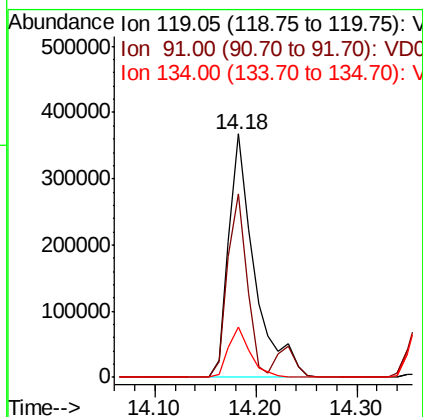
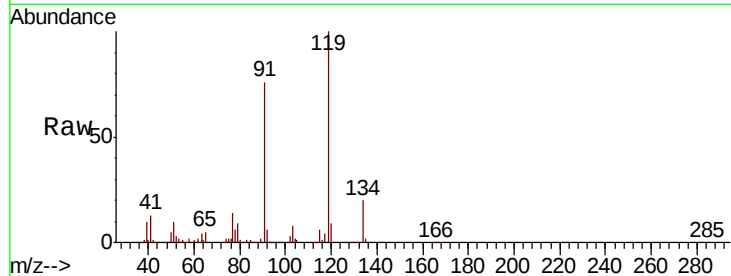




#83
 tert-Butylbenzene
 Concen: 19.727 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

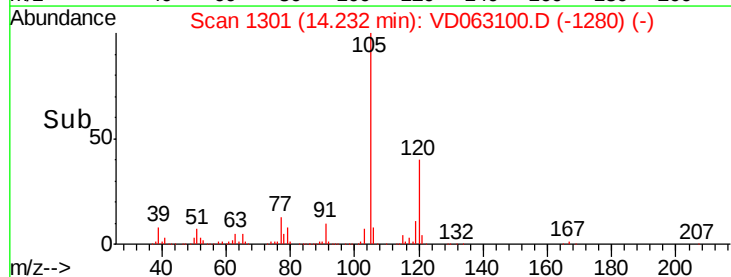
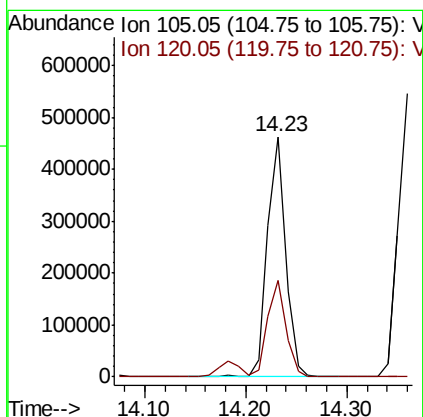
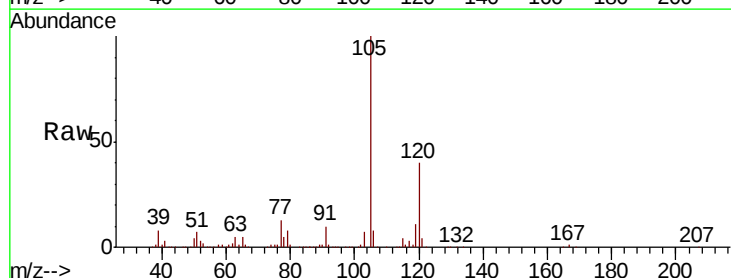
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

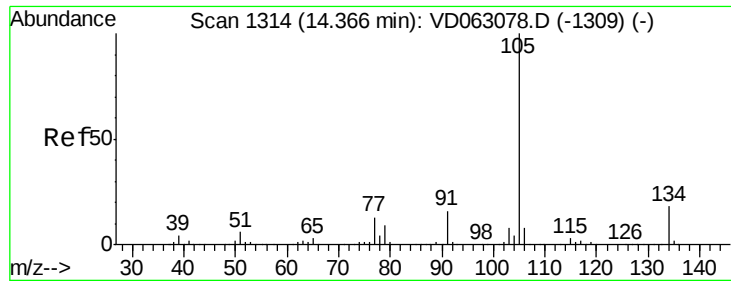
Tgt Ion:119 Resp: 654466
 Ion Ratio Lower Upper
 119 100
 91 75.6 32.4 97.2
 134 20.4 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.888 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

Tgt Ion:105 Resp: 581759
 Ion Ratio Lower Upper
 105 100
 120 40.4 20.2 60.6

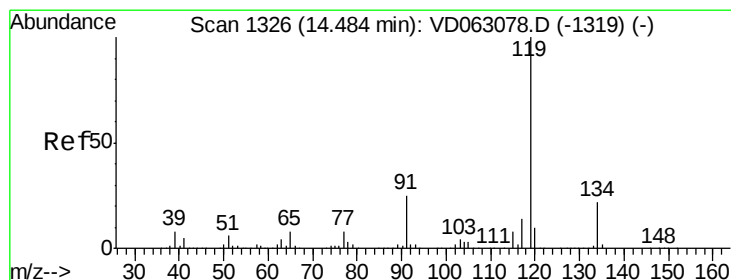
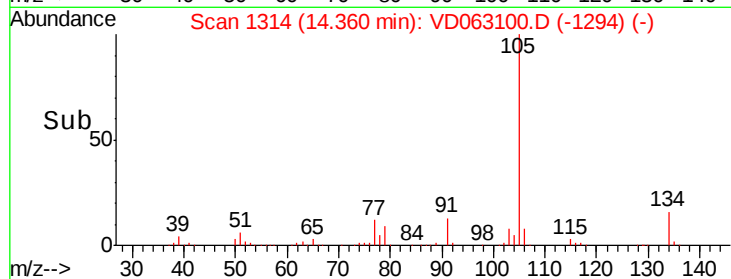
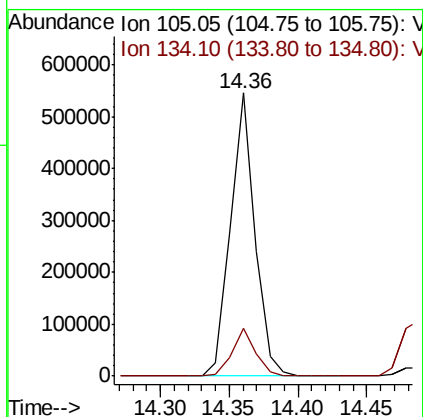
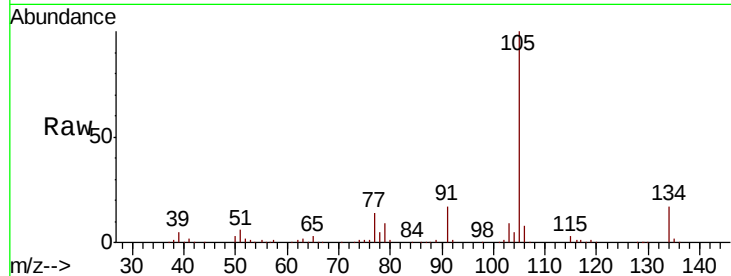




#85
 sec-Butylbenzene
 Concen: 18.952 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

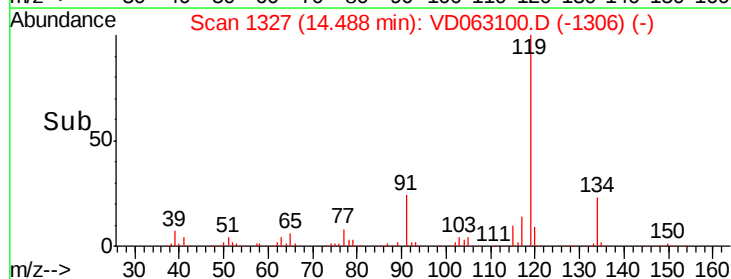
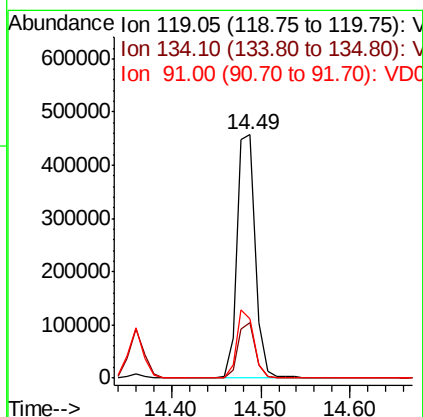
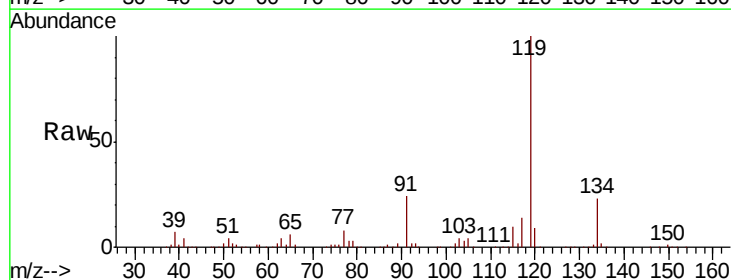
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

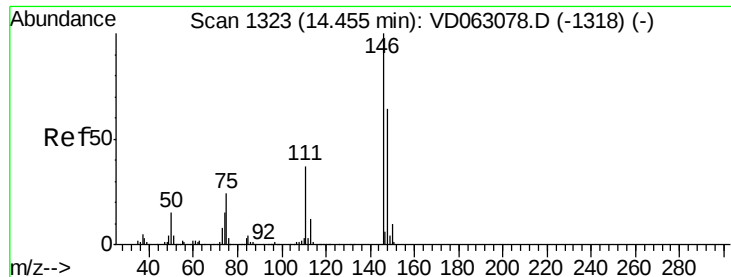
Tgt Ion:105 Resp: 668037
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 20.070 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

Tgt Ion:119 Resp: 659952
 Ion Ratio Lower Upper
 119 100
 134 22.8 10.8 32.4
 91 24.3 12.5 37.5

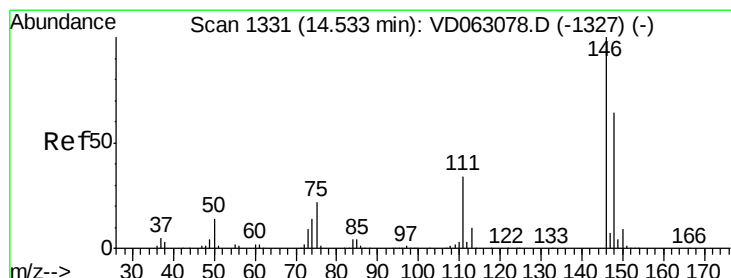
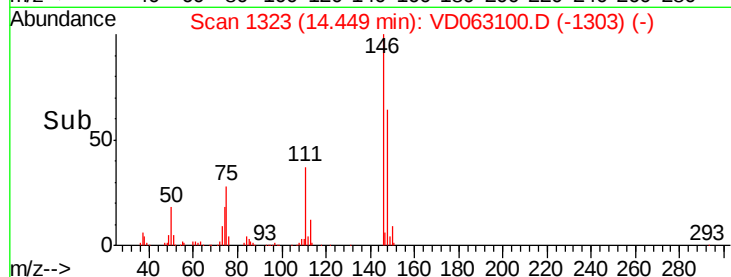
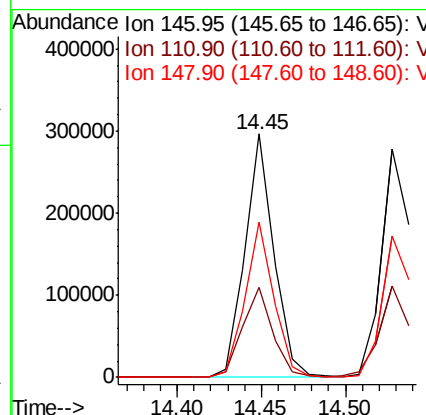
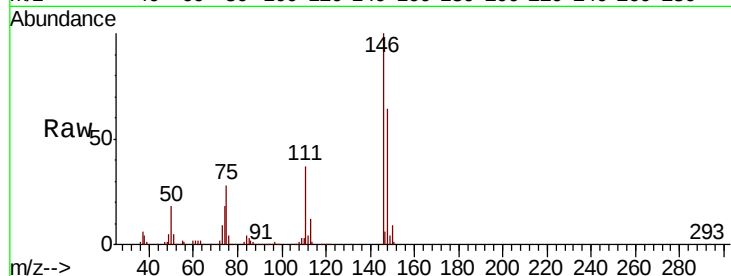




#87
 1,3-Dichlorobenzene
 Concen: 20.690 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

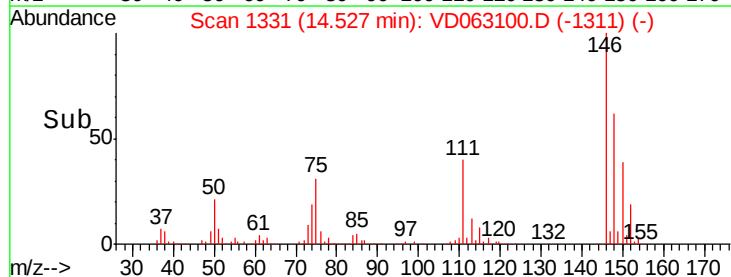
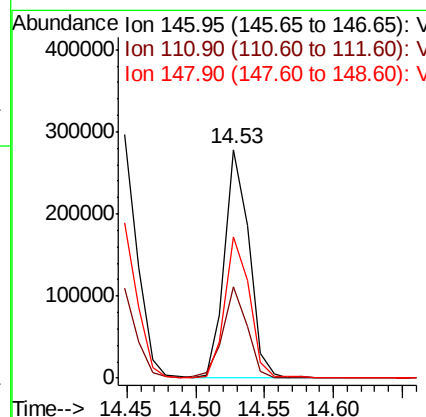
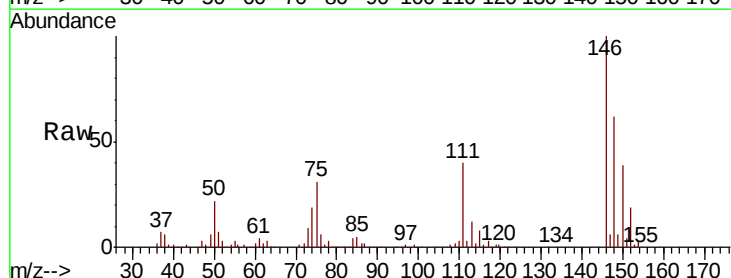
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

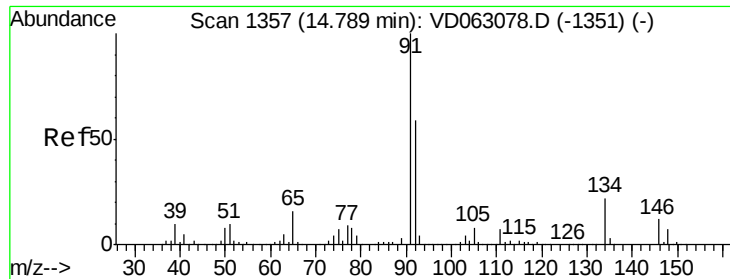
Tgt Ion:146 Resp: 352753
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 55.6
 148 64.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 21.125 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

Tgt Ion:146 Resp: 345286
 Ion Ratio Lower Upper
 146 100
 111 39.9 17.0 51.0
 148 62.0 32.0 96.2





#89

n-Butylbenzene

Concen: 20.044 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

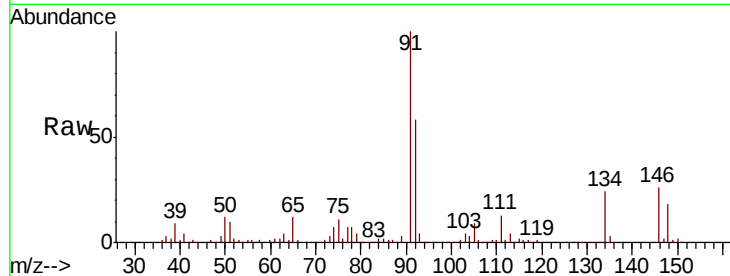
Tgt Ion: 91 Resp: 607503

Ion Ratio Lower Upper

91 100

92 58.1 29.4 88.3

134 23.9 11.3 33.8

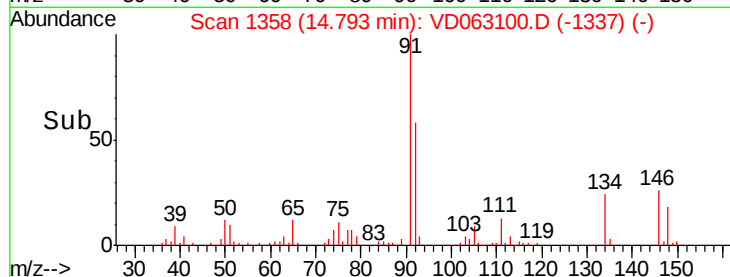


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

14.79



Abundance

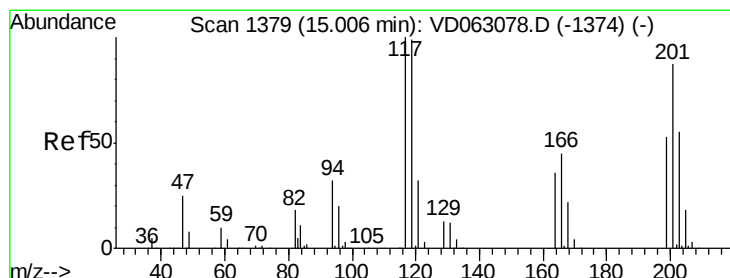
Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

14.79

Time-->



#90

Hexachloroethane

Concen: 19.917 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063100.D

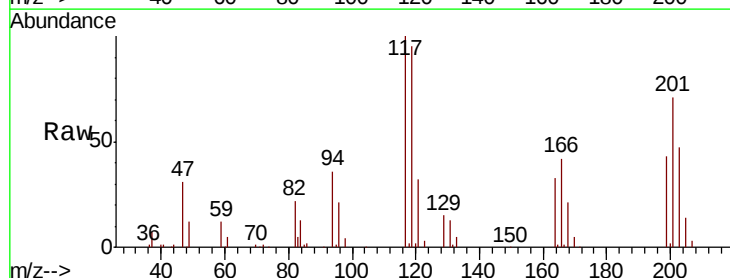
Acq: 16 Jul 2019 12:21

Tgt Ion: 117 Resp: 175082

Ion Ratio Lower Upper

117 100

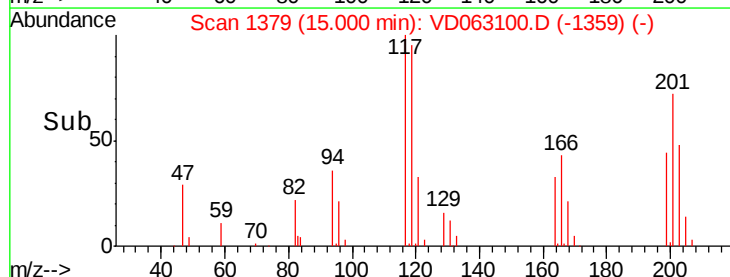
201 70.6 43.4 130.1



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

15.00



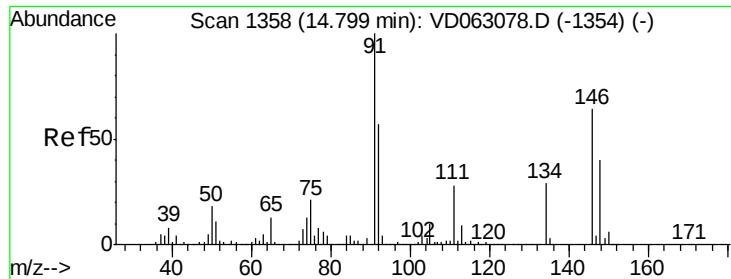
Abundance

Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

15.00

Time-->



#91

1,2-Dichlorobenzene

Concen: 20.475 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS02

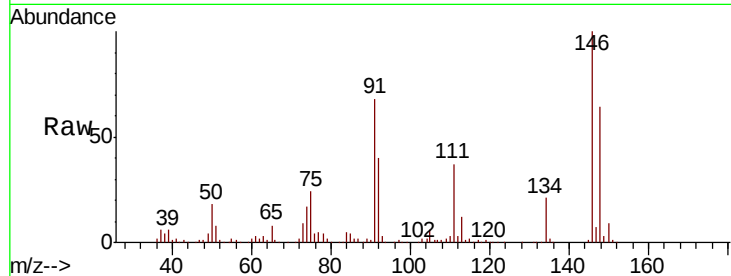
Tgt Ion:146 Resp: 310850

Ion Ratio Lower Upper

146 100

111 37.4 21.9 65.5

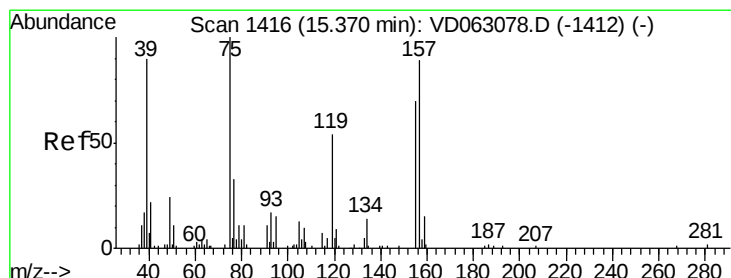
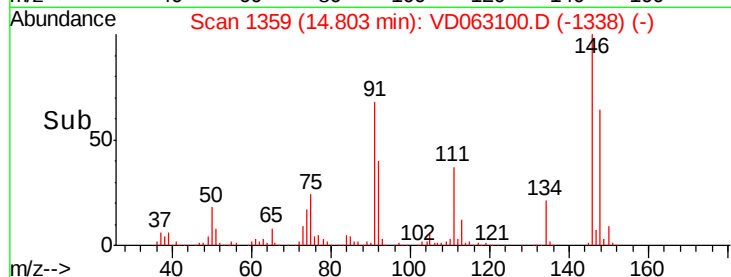
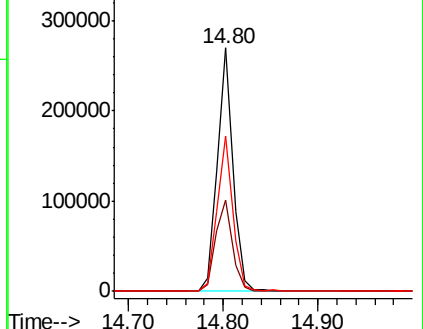
148 63.9 31.5 94.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.757 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063100.D

Acq: 16 Jul 2019 12:21

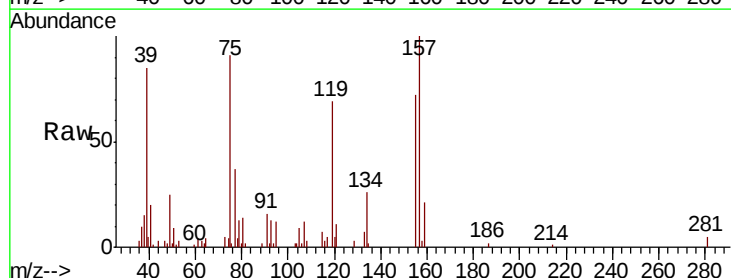
Tgt Ion: 75 Resp: 24370

Ion Ratio Lower Upper

75 100

155 78.6 34.8 104.3

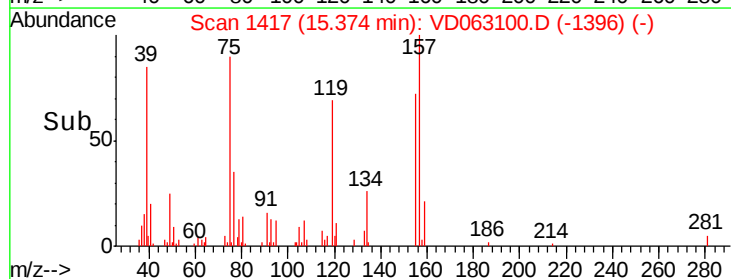
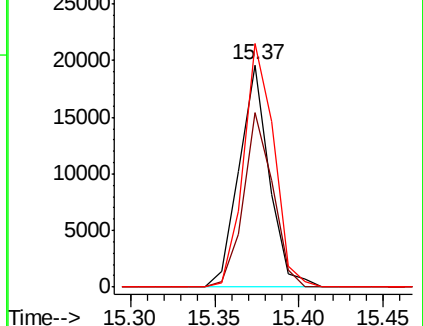
157 109.5 44.7 134.1

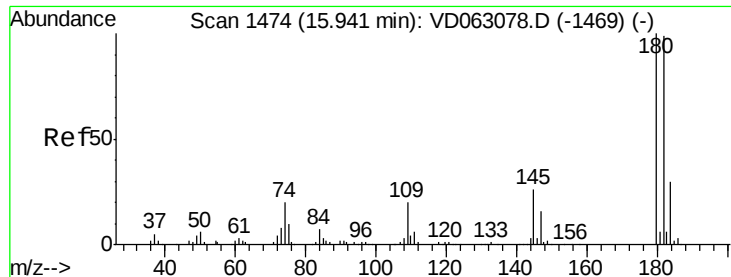


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

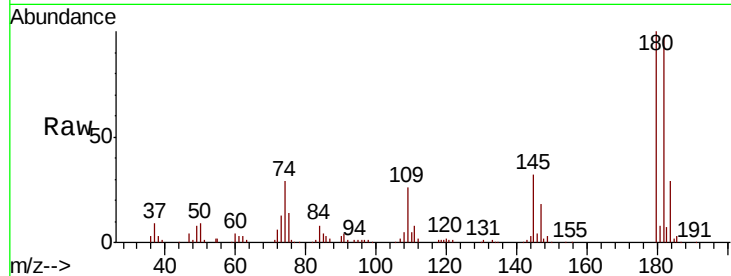




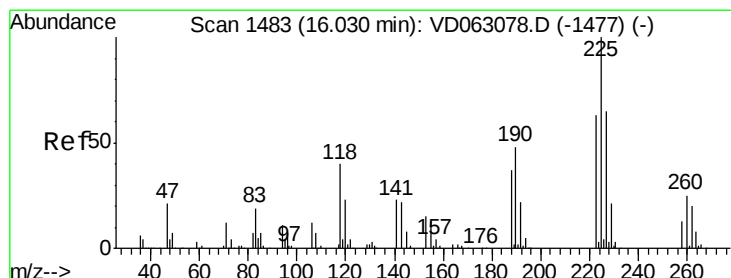
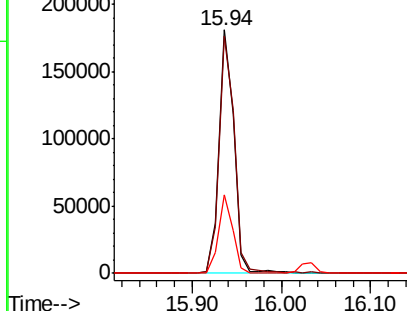
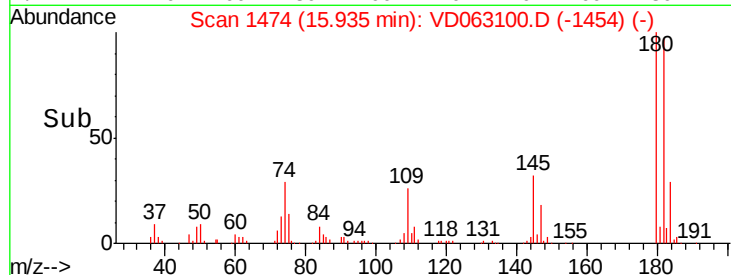
#93
 1,2,4-Trichlorobenzene
 Concen: 18.707 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS02

Tgt Ion:180 Resp: 213371
 Ion Ratio Lower Upper
 180 100
 182 97.5 49.5 148.3
 145 32.5 12.8 38.4

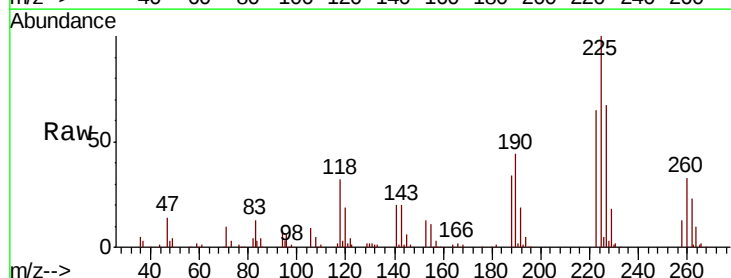


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

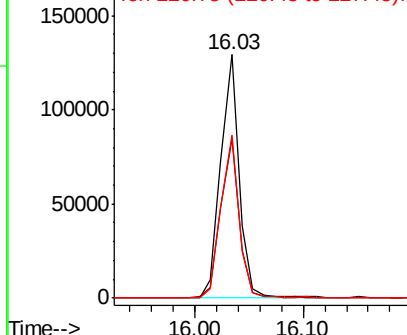
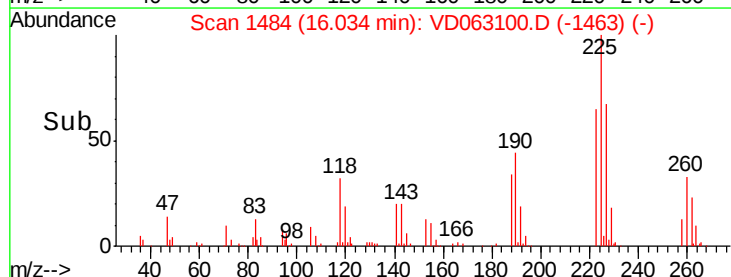


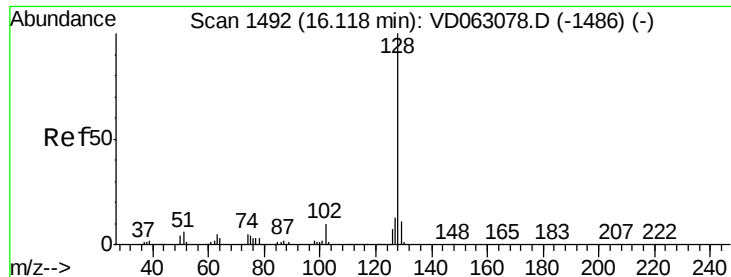
#94
 Hexachlorobutadiene
 Concen: 18.258 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063100.D
 Acq: 16 Jul 2019 12:21

Tgt Ion:225 Resp: 153497
 Ion Ratio Lower Upper
 225 100
 223 65.3 31.4 94.2
 227 66.9 32.6 97.8



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

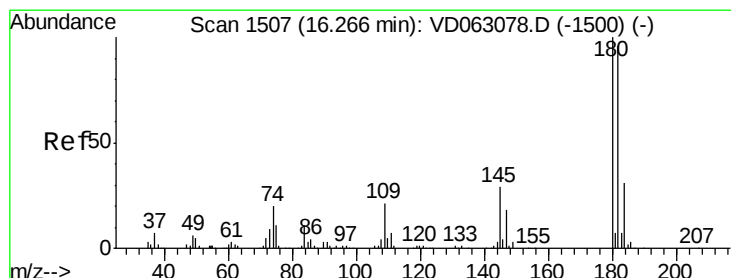
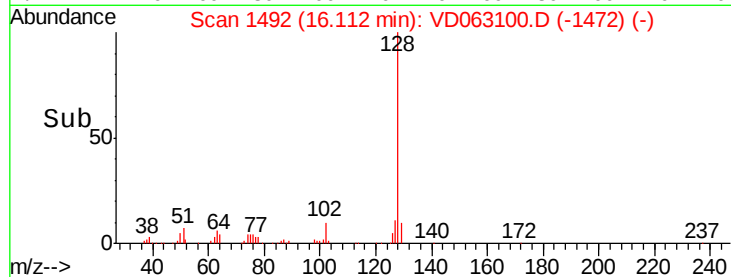
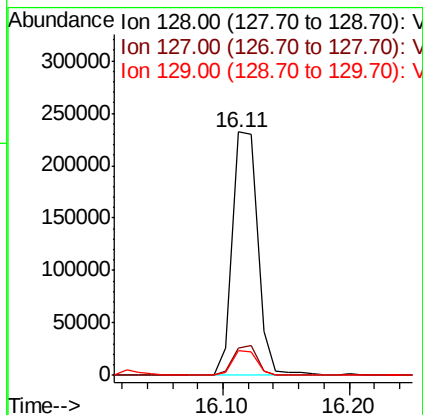
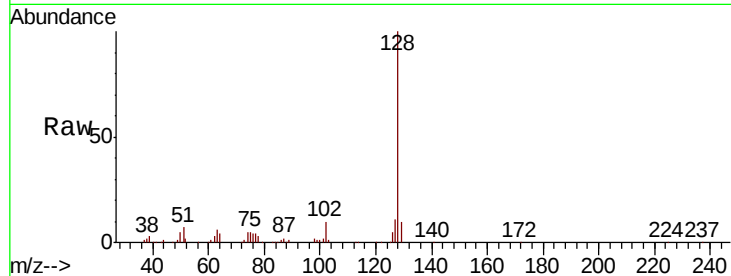




#95
Naphthalene
Concen: 19.210 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS02

Tgt Ion:128 Resp: 320510
Ion Ratio Lower Upper
128 100
127 11.4 10.7 16.1
129 10.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.766 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063100.D
Acq: 16 Jul 2019 12:21

Tgt Ion:180 Resp: 181360
Ion Ratio Lower Upper
180 100
182 86.9 47.9 143.6
145 29.9 14.4 43.4

