

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063000.D
 Acq On : 2 Jul 2019 10:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 03 00:55:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	914126	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1322799	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	1105588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	569899	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	487787	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
35) Dibromofluoromethane	6.93	113	528013	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
50) Toluene-d8	10.42	98	1169169	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
62) 4-Bromofluorobenzene	13.56	95	533523	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	553062	46.754	ug/l	97
3) Chloromethane	1.76	50	400128	44.977	ug/l	96
4) Vinyl Chloride	1.85	62	429807	48.728	ug/l	99
5) Bromomethane	2.16	94	221793	53.692	ug/l	97
6) Chloroethane	2.28	64	216577	54.234	ug/l	96
7) Trichlorofluoromethane	2.54	101	987378	55.312	ug/l	99
8) Diethyl Ether	2.88	74	123236	54.334	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	515309	53.285	ug/l	98
10) Methyl Iodide	3.31	142	642939	50.392	ug/l	96
11) Tert butyl alcohol	4.10	59	121545	268.578	ug/l #	88
12) 1,1-Dichloroethene	3.13	96	381626	52.603	ug/l	91
13) Acrolein	3.04	56	107077	231.768	ug/l	94
14) Allyl chloride	3.63	41	563841	52.599	ug/l	97
15) Acrylonitrile	4.21	53	296874	279.182	ug/l	95
16) Acetone	3.23	43	587063	292.534	ug/l	98
17) Carbon Disulfide	3.38	76	1066324	45.990	ug/l	97
18) Methyl Acetate	3.66	43	161229	53.751	ug/l	92
19) Methyl tert-butyl Ether	4.26	73	870656	55.437	ug/l	100
20) Methylene Chloride	3.82	84	402764	53.150	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	420775	54.471	ug/l	99
22) Diisopropyl ether	5.14	45	1191168	54.640	ug/l	91
23) Vinyl Acetate	5.07	43	3846836	281.998	ug/l	99
24) 1,1-Dichloroethane	4.99	63	783059	55.170	ug/l	100
25) 2-Butanone	6.09	43	564462	303.734	ug/l	98
26) 2,2-Dichloropropane	6.04	77	830127	55.178	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	442553	54.176	ug/l	93
28) Bromochloromethane	6.45	49	288083	57.628	ug/l	93
29) Tetrahydrofuran	6.47	42	251043	285.508	ug/l	98
30) Chloroform	6.68	83	957950	55.496	ug/l	97
31) Cyclohexane	6.97	56	486914	52.183	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	991165	55.128	ug/l	92
36) 1,1-Dichloropropene	7.16	75	611083	48.800	ug/l	96
37) Ethyl Acetate	6.20	43	242297	45.974	ug/l	96
38) Carbon Tetrachloride	7.12	117	1038295	55.132	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	537212	48.738	ug/l	95
40) Benzene	7.46	78	1271509	50.586	ug/l	96
41) Methacrylonitrile	6.47	41	344035	52.097	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	701937	51.191	ug/l	98
43) Isopropyl Acetate	9.25	43	344464	52.470	ug/l #	98
44) Trichloroethene	8.55	130	521275	52.898	ug/l	96
45) 1,2-Dichloropropane	8.95	63	318052	50.887	ug/l	99
46) Dibromomethane	9.07	93	280161	52.181	ug/l	98
47) Bromodichloromethane	9.38	83	740887	53.134	ug/l	97
48) Methyl methacrylate	9.13	41	229865	49.272	ug/l	96
49) 1,4-Dioxane	9.10	88	40386	1040.520	ug/l	96
51) 4-Methyl-2-Pentanone	10.31	43	1273537	273.614	ug/l	98
52) Toluene	10.52	92	849789	50.294	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	628787	55.095	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	655015	52.803	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	308860	53.206	ug/l	92
56) Ethyl methacrylate	11.05	69	322142	51.928	ug/l	93
57) 1,3-Dichloropropane	11.42	76	465647	52.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	847889	266.224	ug/l	98
59) 2-Hexanone	11.54	43	930389	280.670	ug/l	97
60) Dibromochloromethane	11.70	129	584099	54.021	ug/l	95
61) 1,2-Dibromoethane	11.82	107	378060	55.144	ug/l	98
64) Tetrachloroethene	11.26	164	443805	48.774	ug/l	95
65) Chlorobenzene	12.41	112	1111772	54.184	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	524753	54.687	ug/l	94
67) Ethyl Benzene	12.52	91	1949388	52.917	ug/l	97
68) m/p-Xylenes	12.67	106	1388049	108.183	ug/l	95
69) o-Xylene	13.06	106	626543	53.418	ug/l	96
70) Styrene	13.08	104	1095966	53.198	ug/l	96
71) Bromoform	13.24	173	360834	54.885	ug/l	97
73) Isopropylbenzene	13.41	105	1946881	53.280	ug/l	97
74) N-amyl acetate	13.27	43	550513	62.038	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	363588	61.069	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	380342	57.811	ug/l	99
77) Bromobenzene	13.68	156	550072	55.967	ug/l	96
78) n-propylbenzene	13.78	91	2300006	54.079	ug/l	96
79) 2-Chlorotoluene	13.84	91	1379268	56.748	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1681289	54.778	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	108163	62.730	ug/l	95
82) 4-Chlorotoluene	13.95	91	1632920	55.805	ug/l	100
83) tert-Butylbenzene	14.19	119	1913759	55.938	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	1736489	55.199	ug/l	97
85) sec-Butylbenzene	14.38	105	2086209	56.105	ug/l	100
86) p-Isopropyltoluene	14.49	119	1810208	53.214	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1032916	58.628	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	928760	52.485	ug/l	96
89) n-Butylbenzene	14.80	91	1727431	54.255	ug/l	97
90) Hexachloroethane	15.02	117	538179	58.842	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	801416	53.166	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	61576	52.989	ug/l	89

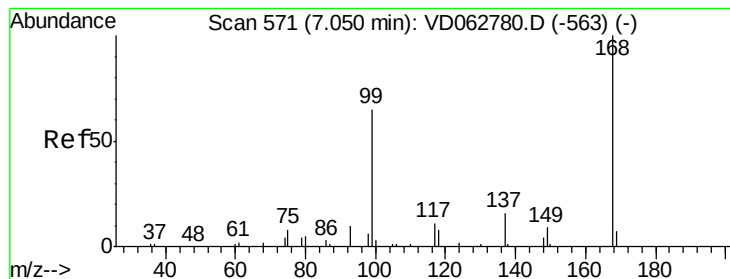
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	599834	50.941	ug/l	98
94) Hexachlorobutadiene	16.04	225	475649	52.876	ug/l	98
95) Naphthalene	16.13	128	897653	54.390	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	501752	55.459	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

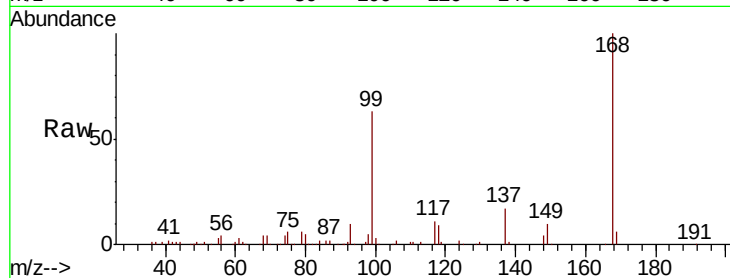
VSTDCCC050

Tot Ion:168 Resp: 914126

Ion Ratio Lower Upper

168 100

99 63.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

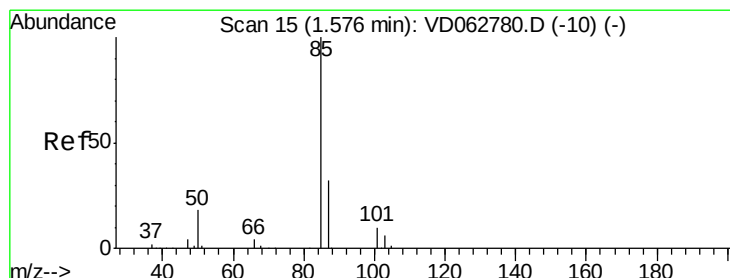
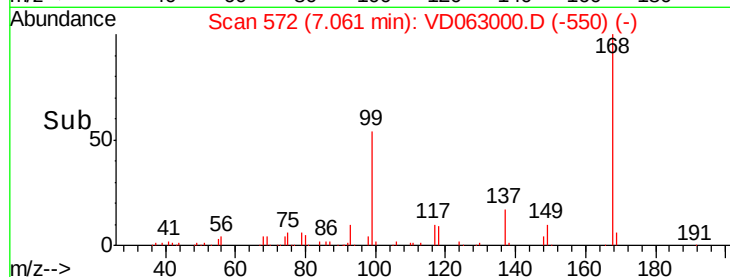
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 46.754 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD063000.D

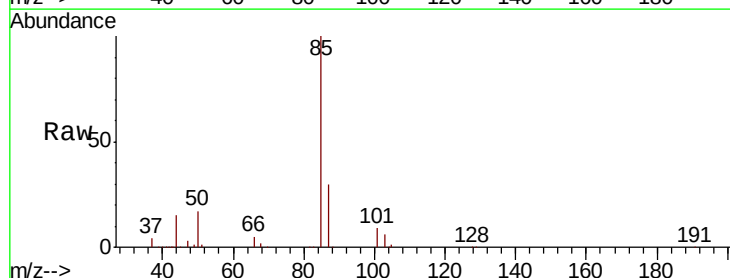
Acq: 2 Jul 2019 10:20

Tgt Ion: 85 Resp: 553062

Ion Ratio Lower Upper

85 100

87 30.3 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

300000

250000

200000

150000

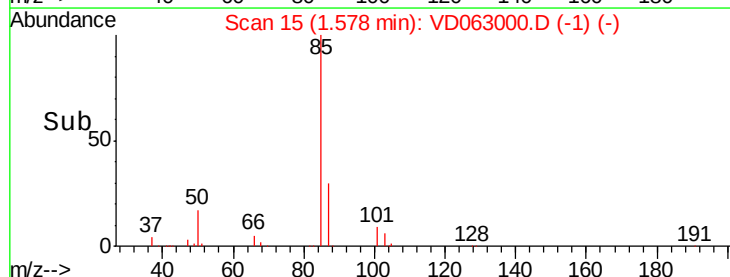
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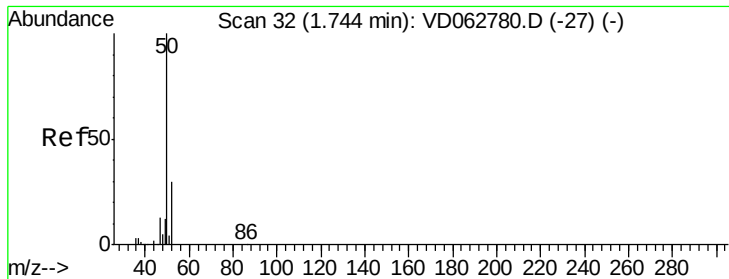
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 44.977 ug/l

RT: 1.76 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

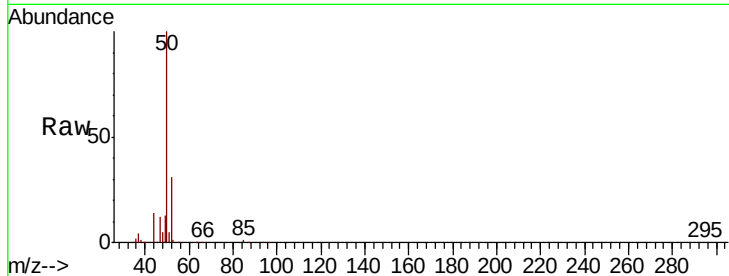
VSTDCCC050

Tot Ion: 50 Resp: 400128

Ion Ratio Lower Upper

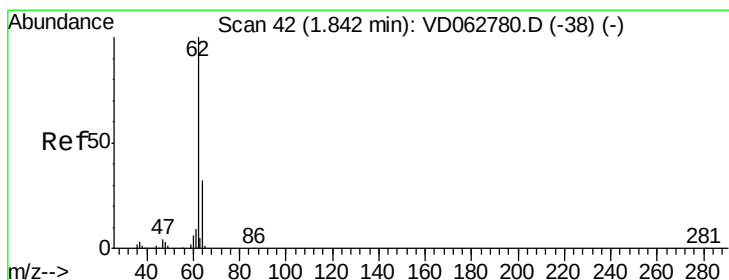
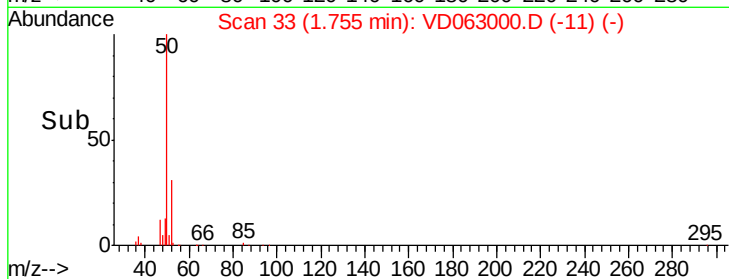
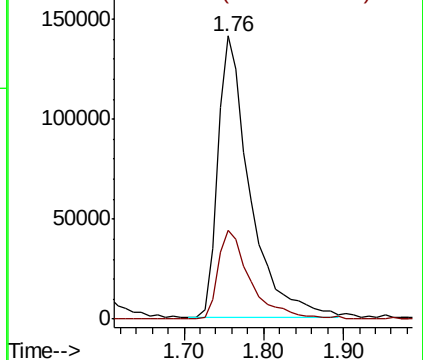
50 100

52 31.5 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.728 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063000.D

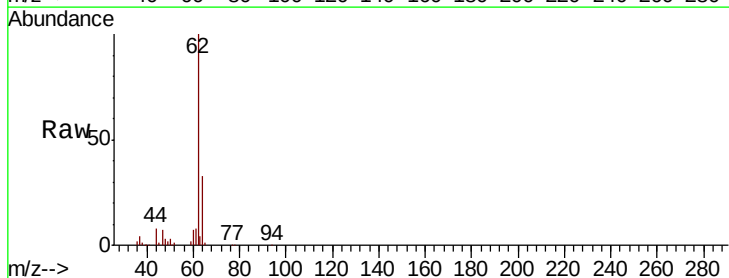
Acq: 2 Jul 2019 10:20

Tgt Ion: 62 Resp: 429807

Ion Ratio Lower Upper

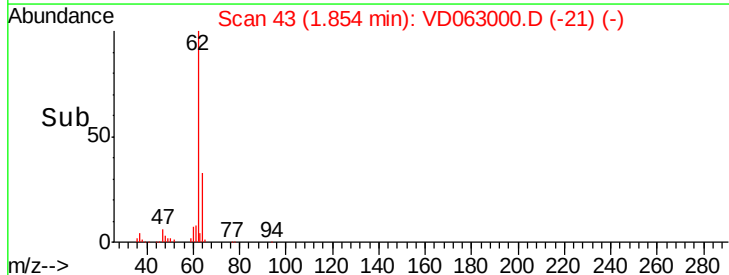
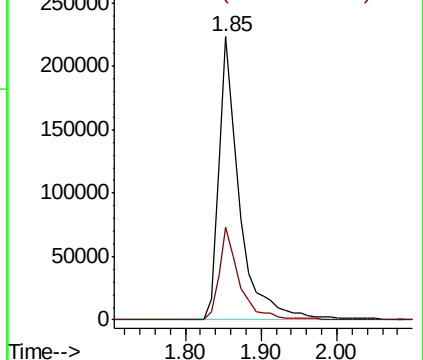
62 100

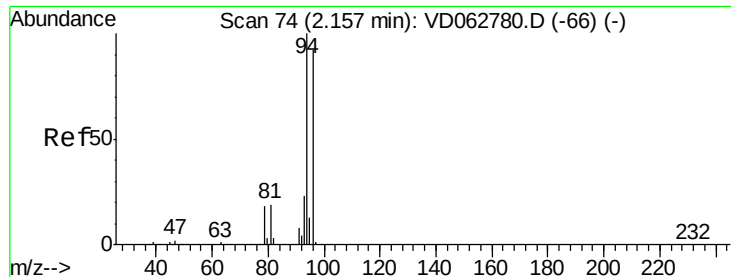
64 32.5 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 53.692 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

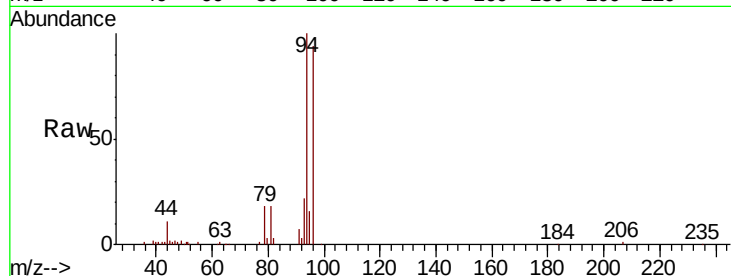
Tot Ion: 94 Resp: 221793

Ion Ratio Lower Upper

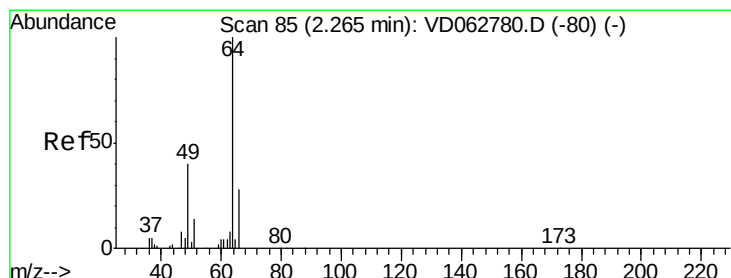
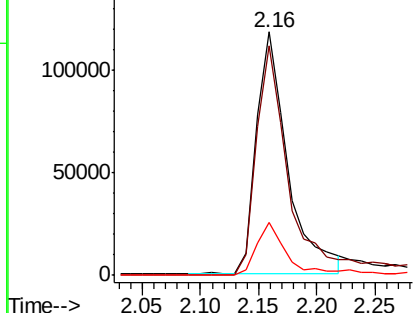
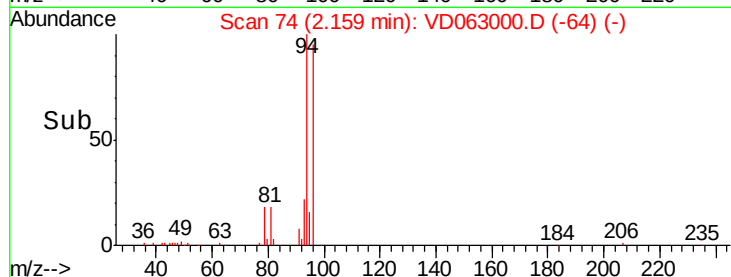
94 100

96 94.4 73.4 110.2

93 21.8 18.2 27.4



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: 54.234 ug/l

RT: 2.28 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD063000.D

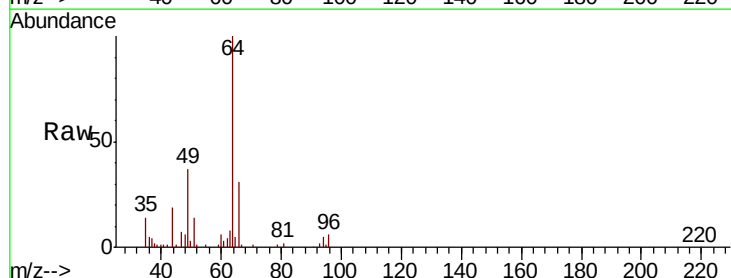
Acq: 2 Jul 2019 10:20

Tgt Ion: 64 Resp: 216577

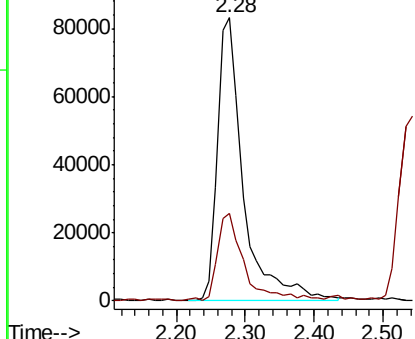
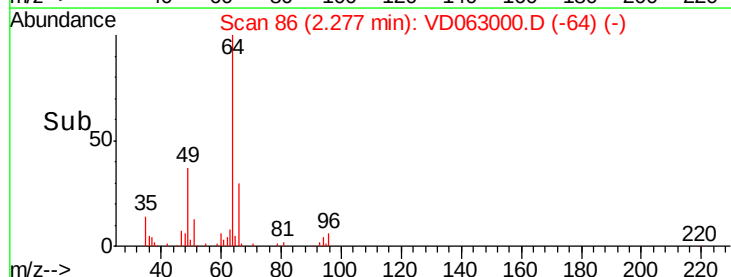
Ion Ratio Lower Upper

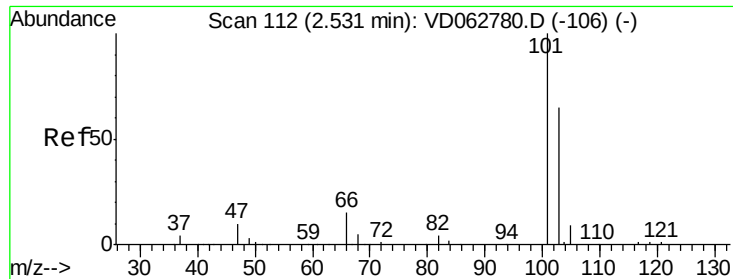
64 100

66 30.9 23.0 34.4



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



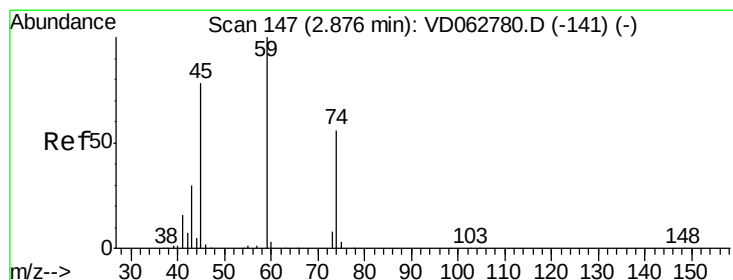
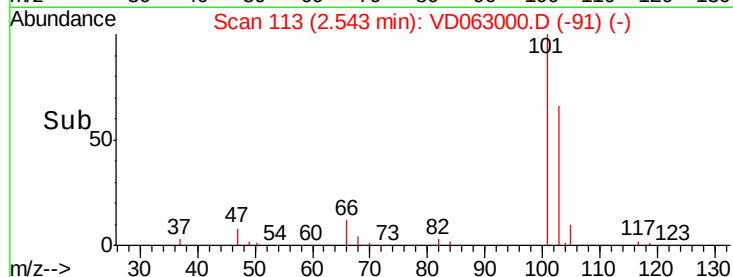
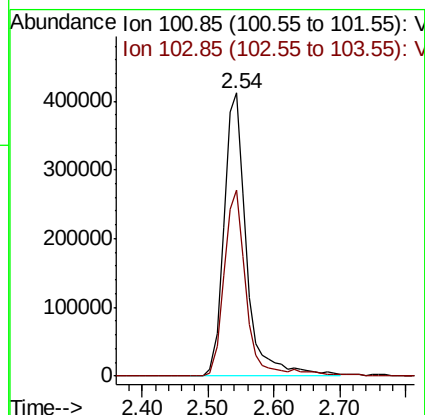
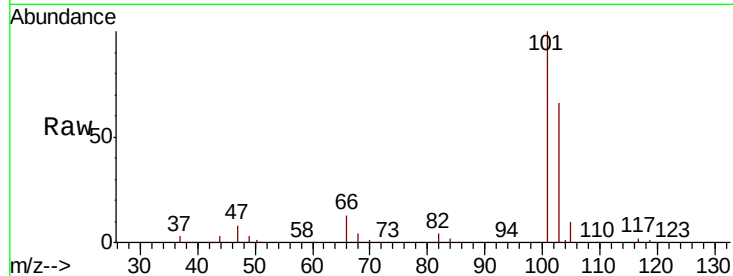


#7

Trichlorofluoromethane
Concen: 55.312 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
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VSTDCCC050

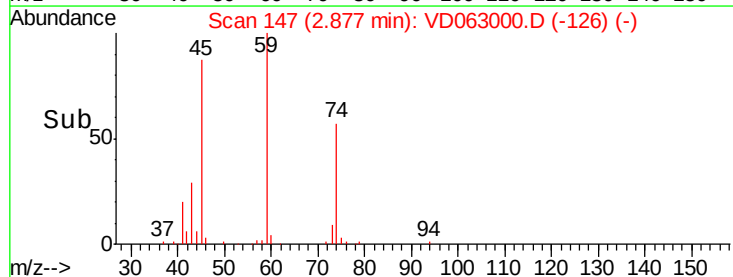
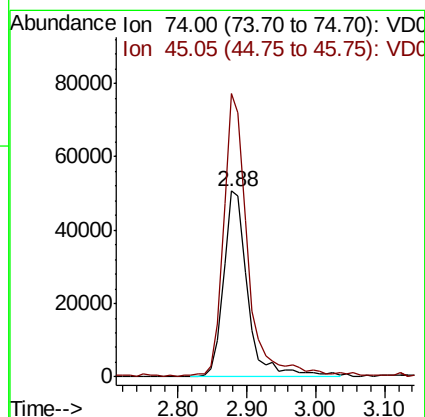
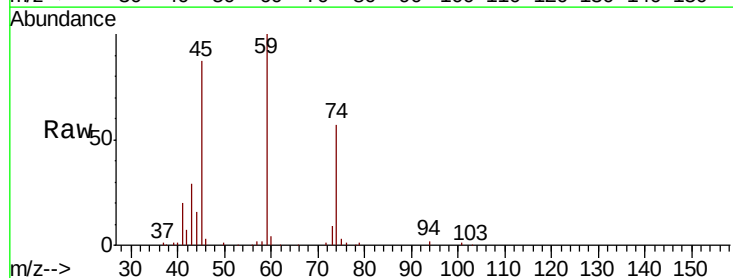
Tot Ion:101 Resp: 987378
Ion Ratio Lower Upper
101 100
103 65.6 51.8 77.8

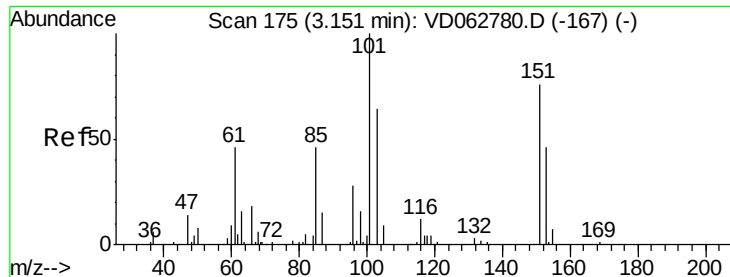


#8

Diethyl Ether
Concen: 54.334 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 74 Resp: 123236
Ion Ratio Lower Upper
74 100
45 152.1 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.285 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

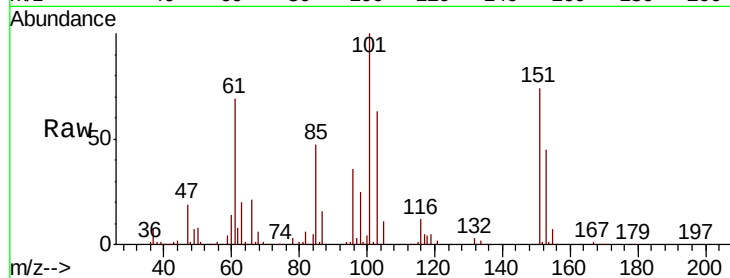
Tot Ion:101 Resp: 515309

Ion Ratio Lower Upper

101 100

85 47.1 37.0 55.4

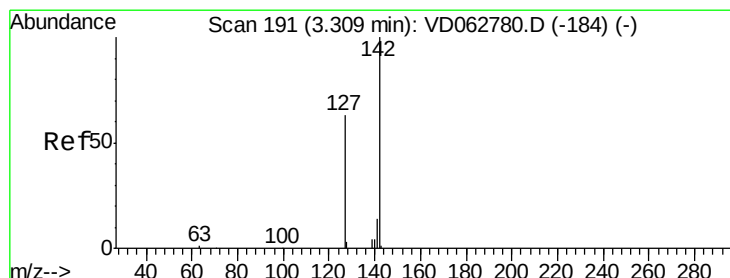
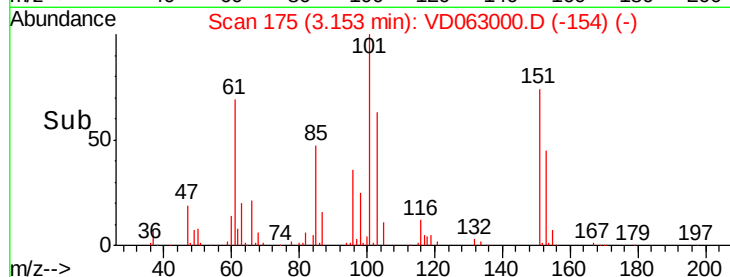
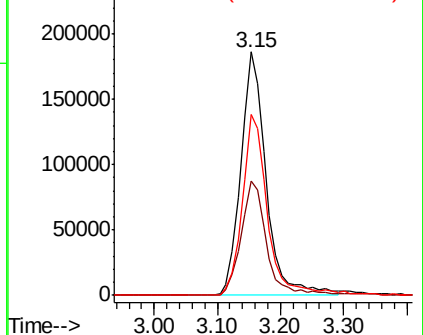
151 74.1 60.5 90.7



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: 50.392 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

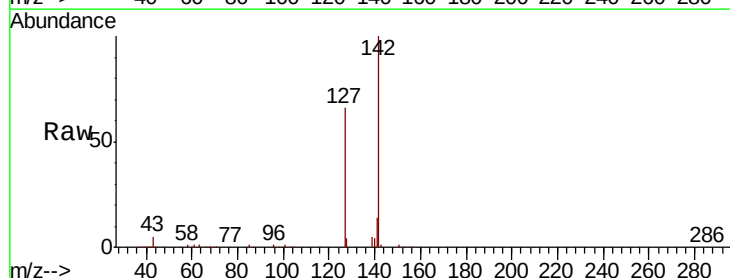
Tgt Ion:142 Resp: 642939

Ion Ratio Lower Upper

142 100

127 65.9 50.1 75.1

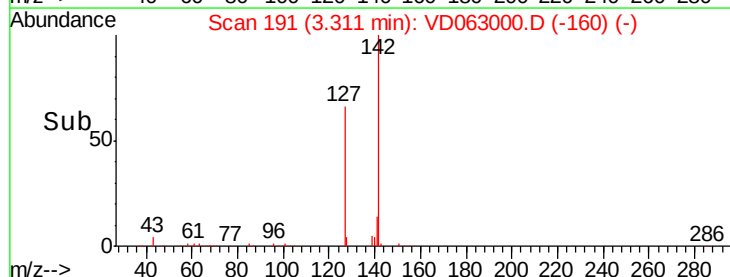
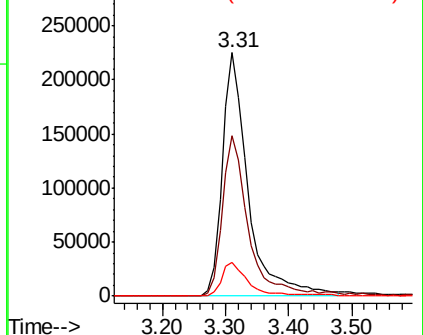
141 14.1 11.0 16.4

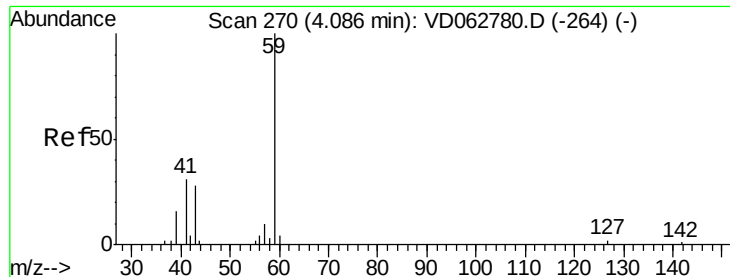


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 268.578 ug/l

RT: 4.10 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

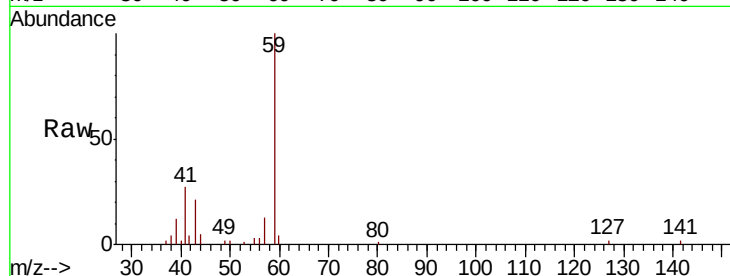
VSTDCCC050

Tot Ion: 59 Resp: 121545

Ion Ratio Lower Upper

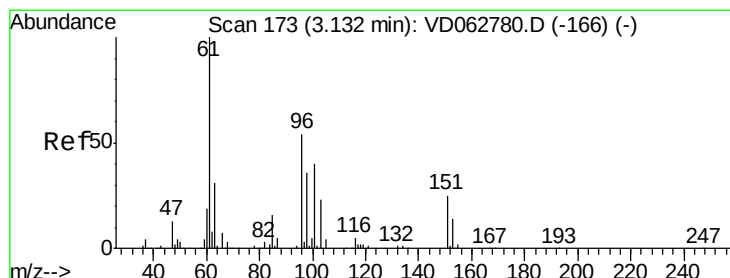
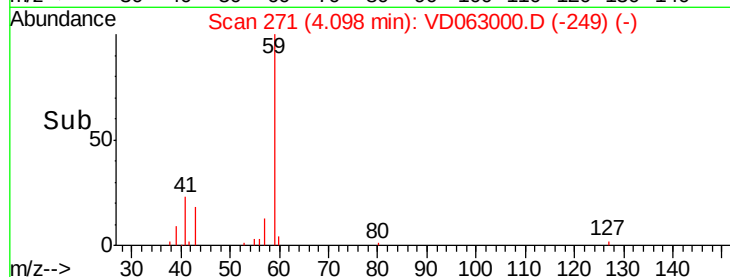
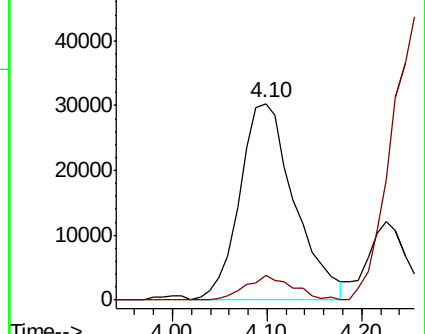
59 100

57 12.6 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 52.603 ug/l

RT: 3.13 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

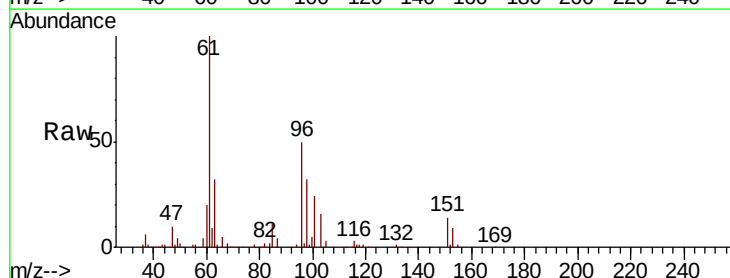
Tgt Ion: 96 Resp: 381626

Ion Ratio Lower Upper

96 100

61 199.0 147.1 220.7

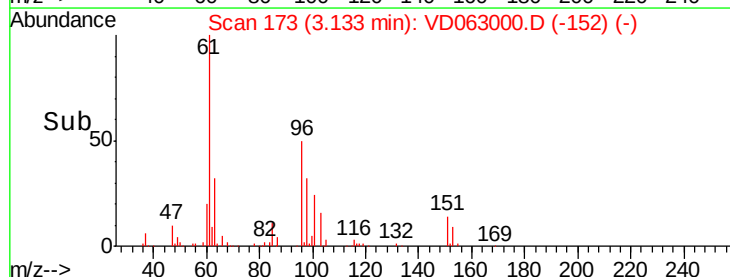
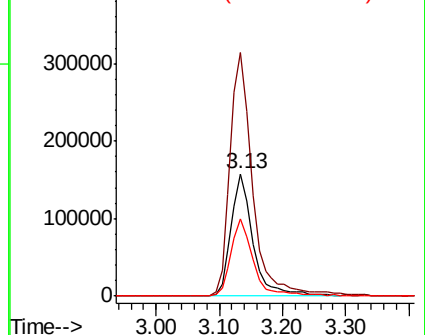
98 63.0 52.6 79.0

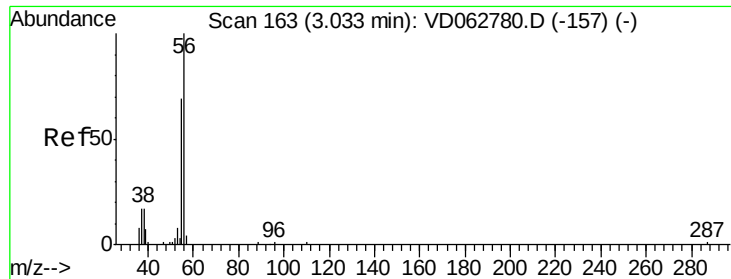


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 231.768 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

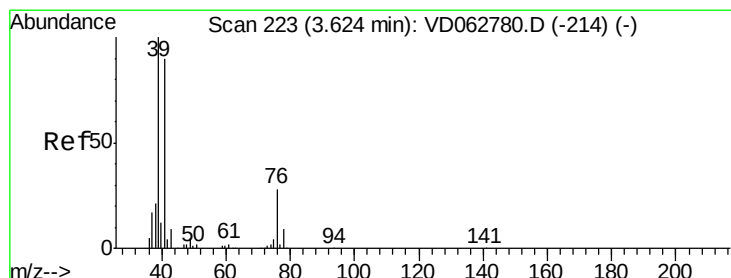
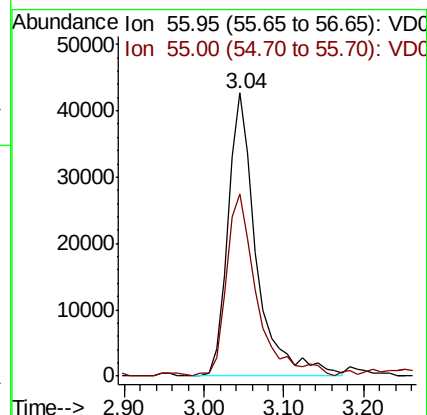
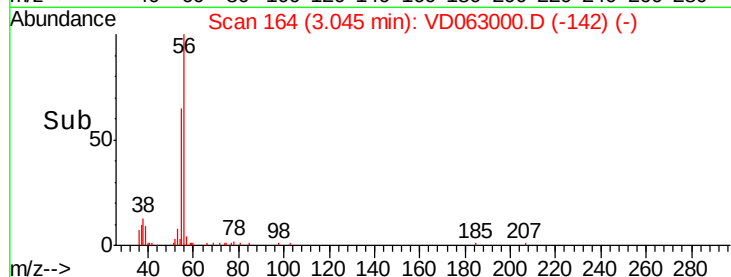
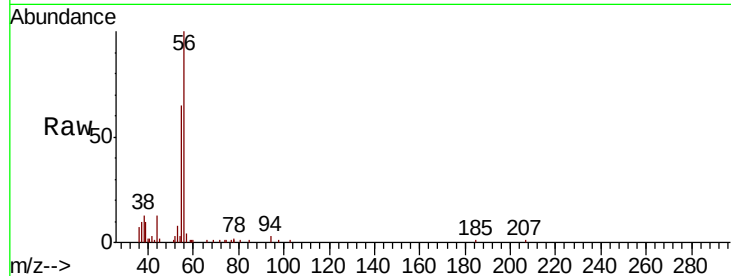
VSTDCCC050

Tot Ion: 56 Resp: 107077

Ion Ratio Lower Upper

56 100

55 64.6 55.4 83.0



#14

Allyl chloride

Concen: 52.599 ug/l

RT: 3.63 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

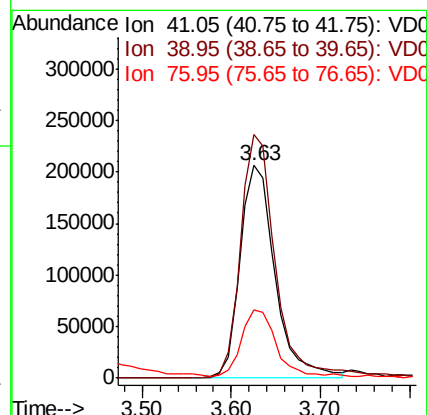
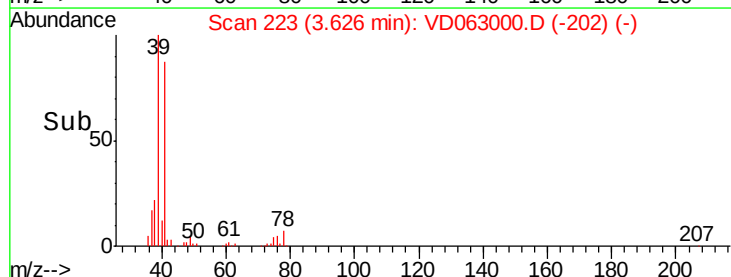
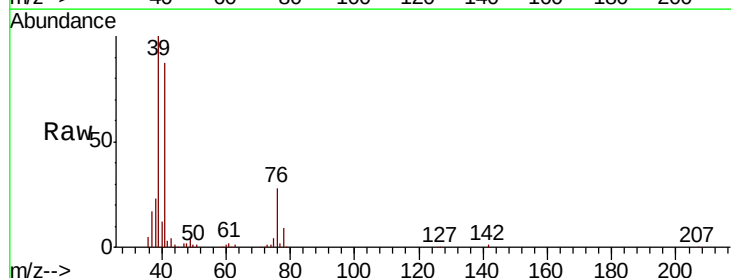
Tgt Ion: 41 Resp: 563841

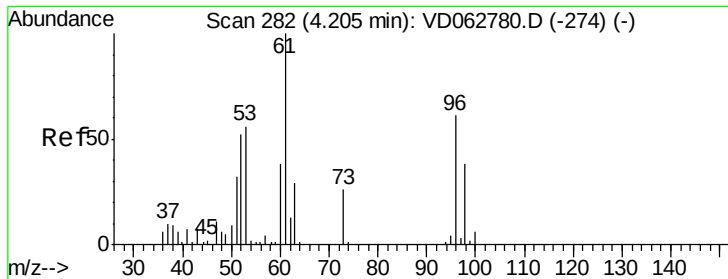
Ion Ratio Lower Upper

41 100

39 114.6 88.8 133.2

76 31.9 26.7 40.1





#15

Acrylonitrile

Concen: 279.182 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

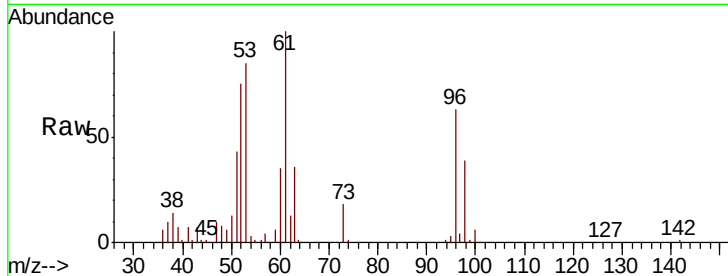
Tot Ion: 53 Resp: 296874

Ion Ratio Lower Upper

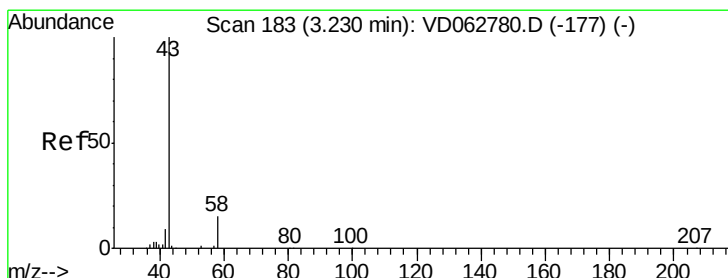
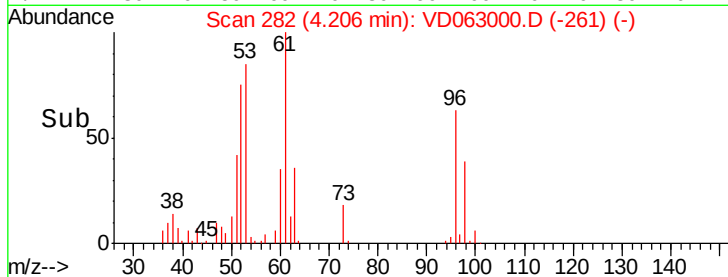
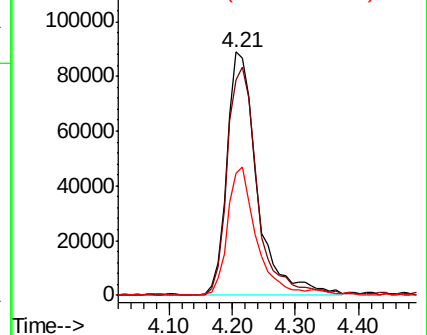
53 100

52 88.5 73.3 109.9

51 50.4 44.8 67.2



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



#16

Acetone

Concen: 292.534 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD063000.D

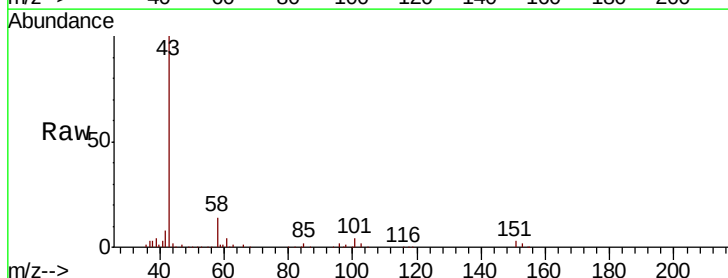
Acq: 2 Jul 2019 10:20

Tgt Ion: 43 Resp: 587063

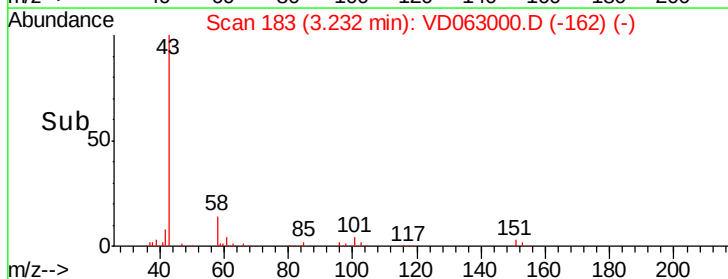
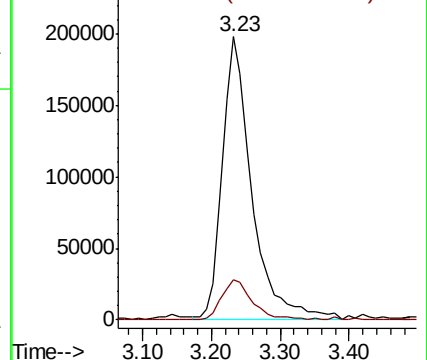
Ion Ratio Lower Upper

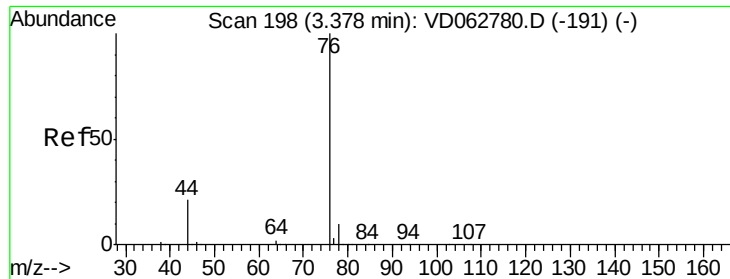
43 100

58 14.2 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

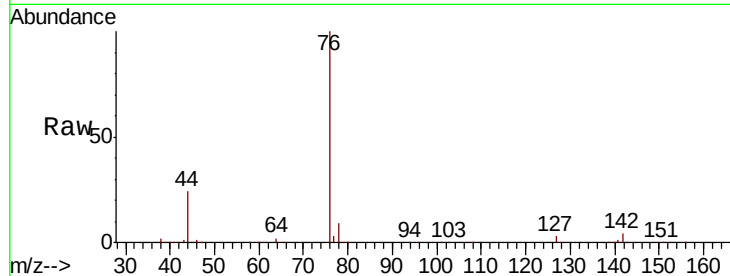




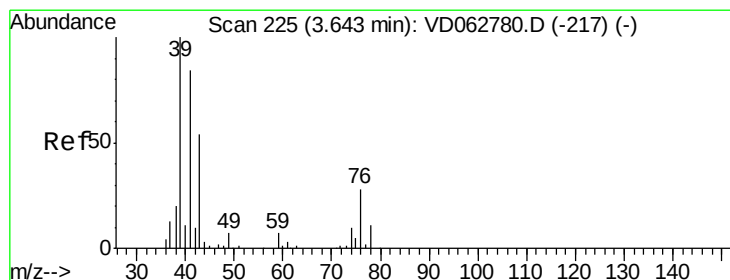
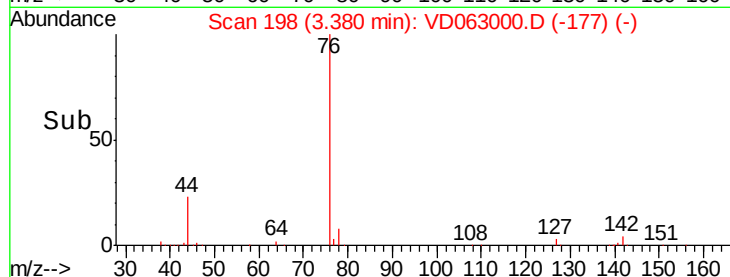
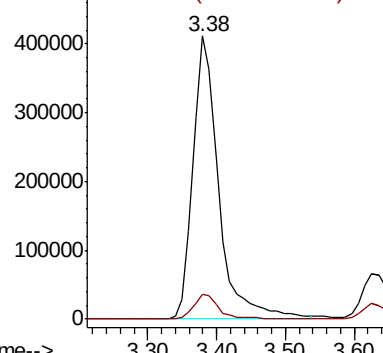
#17
Carbon Disulfide
Concen: 45.990 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1066324
Ion Ratio Lower Upper
76 100
78 8.7 8.0 12.0

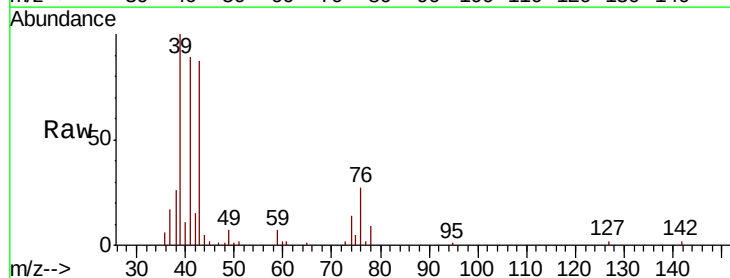


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

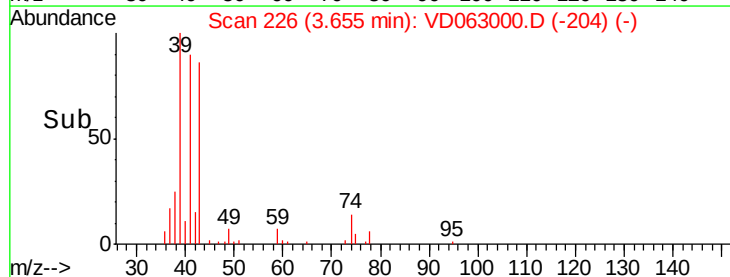
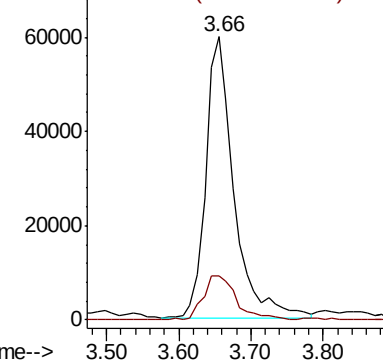


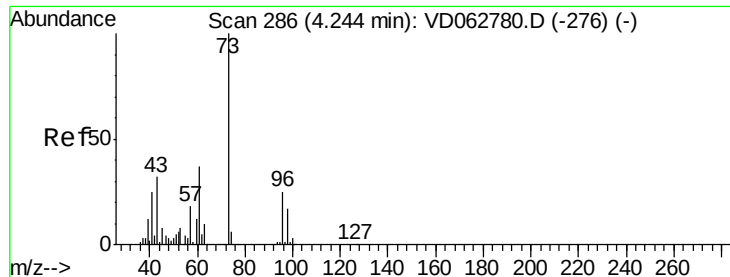
#18
Methyl Acetate
Concen: 53.751 ug/l
RT: 3.66 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 43 Resp: 161229
Ion Ratio Lower Upper
43 100
74 15.6 15.2 22.8



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



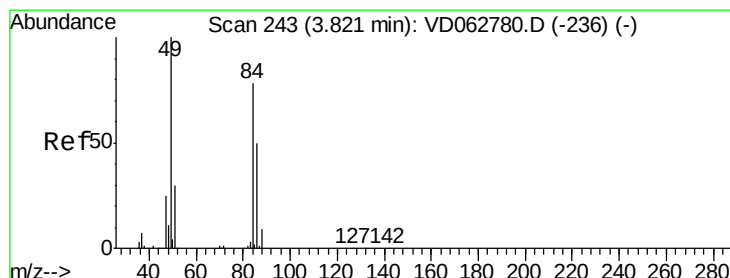
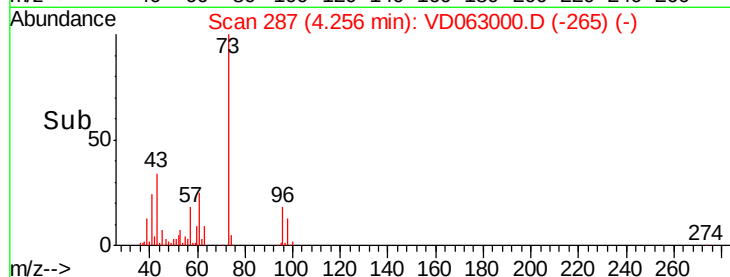
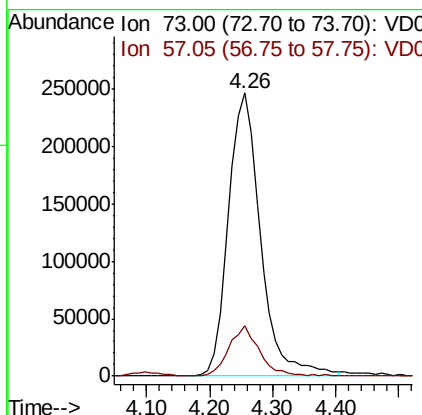
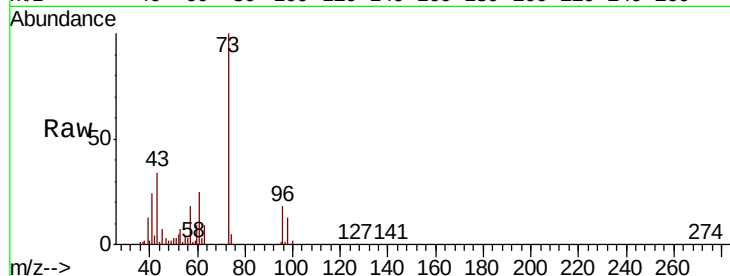


#19

Methyl tert-butyl Ether
 Concen: 55.437 ug/l
 RT: 4.26 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

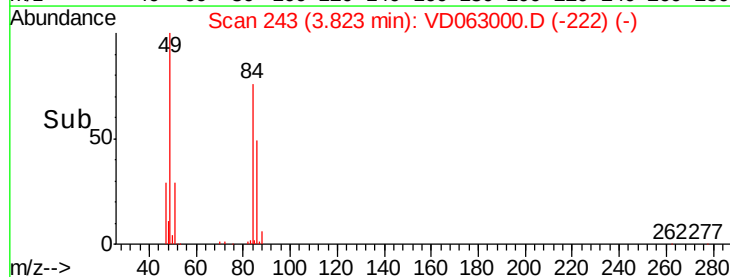
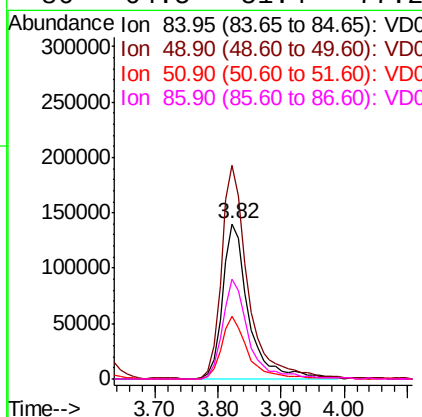
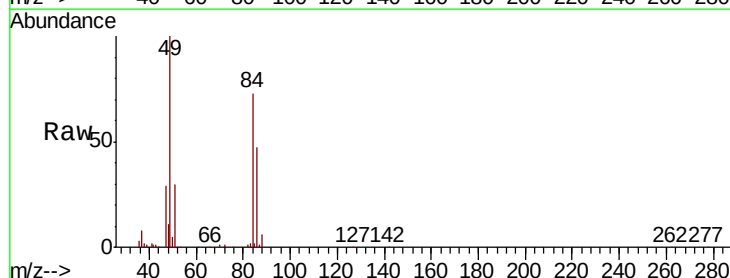
Tot Ion: 73 Resp: 870656
 Ion Ratio Lower Upper
 73 100
 57 17.7 14.3 21.5

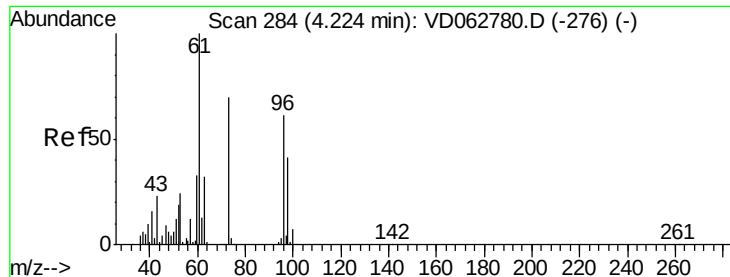


#20

Methylene Chloride
 Concen: 53.150 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion: 84 Resp: 402764
 Ion Ratio Lower Upper
 84 100
 49 137.6 102.9 154.3
 51 40.8 31.2 46.8
 86 64.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 54.471 ug/l

RT: 4.23 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

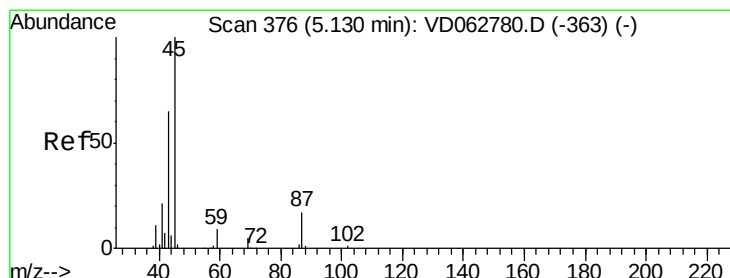
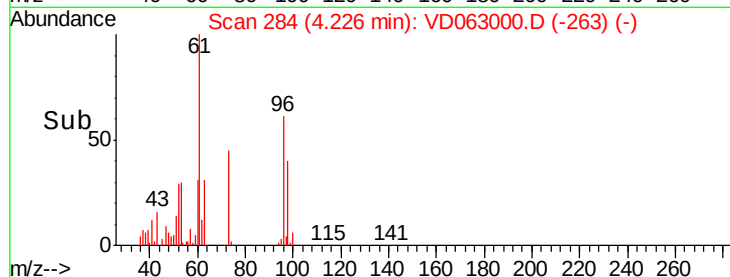
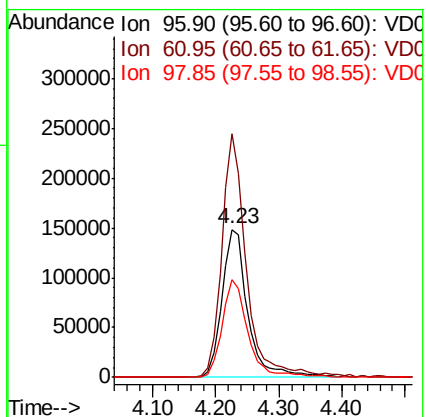
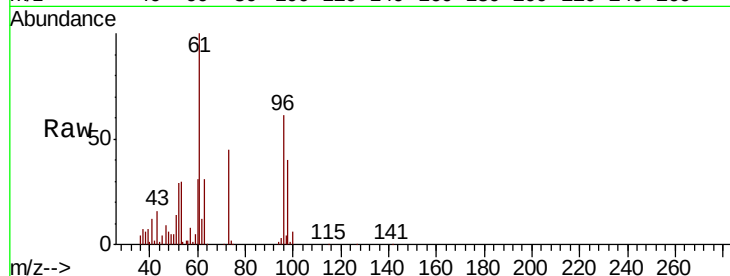
Tot Ion: 96 Resp: 420775

Ion Ratio Lower Upper

96 100

61 164.7 131.0 196.4

98 65.7 53.2 79.8



#22

Diisopropyl ether

Concen: 54.640 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Tgt Ion: 45 Resp: 1191168

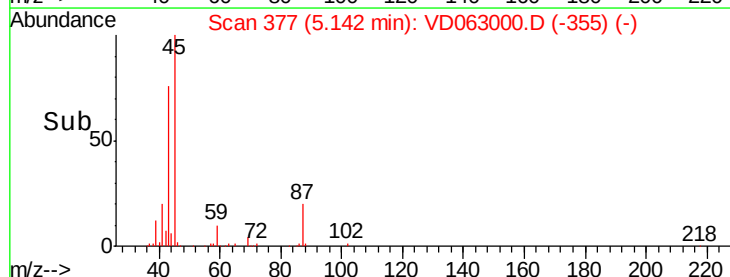
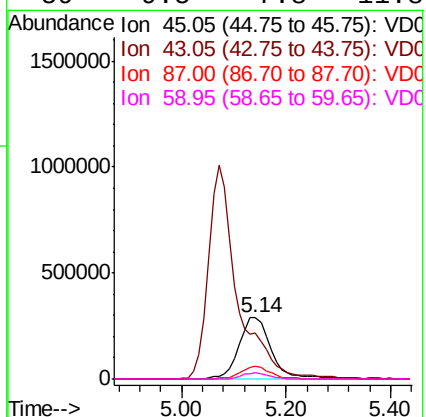
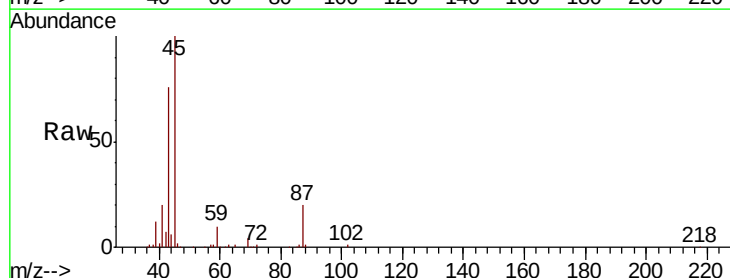
Ion Ratio Lower Upper

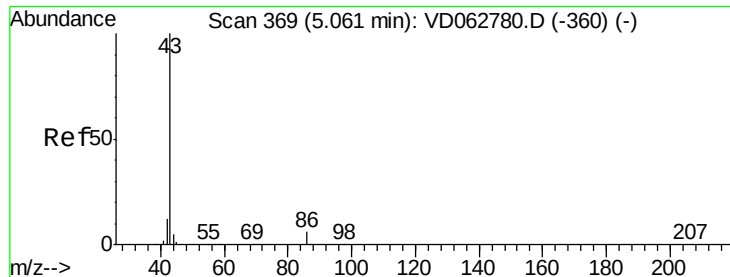
45 100

43 76.1 53.4 80.0

87 20.2 14.6 22.0

59 9.5 7.8 11.8





#23

Vinyl Acetate

Concen: 281.998 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleID :

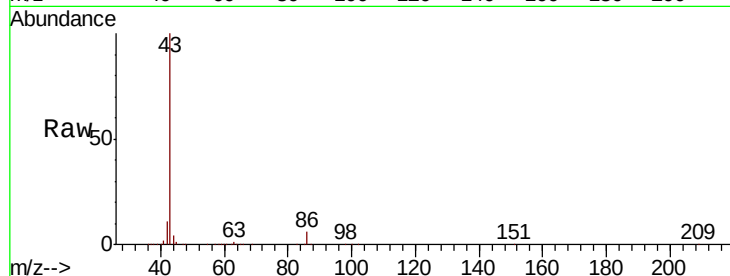
VSTDCCC050

Tot Ion: 43 Resp: 3846836

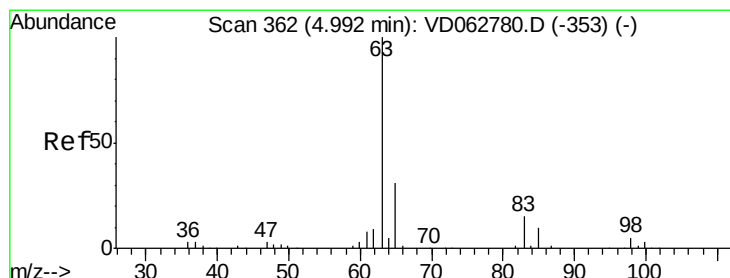
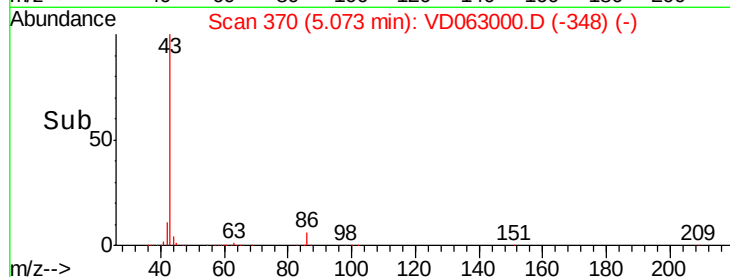
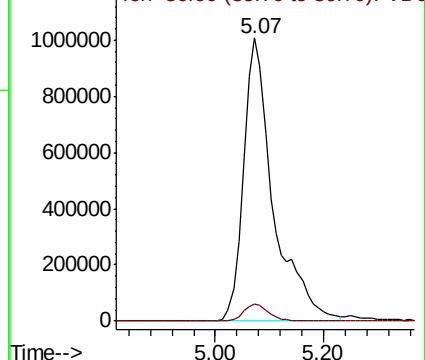
Ion Ratio Lower Upper

43 100

86 6.1 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.170 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

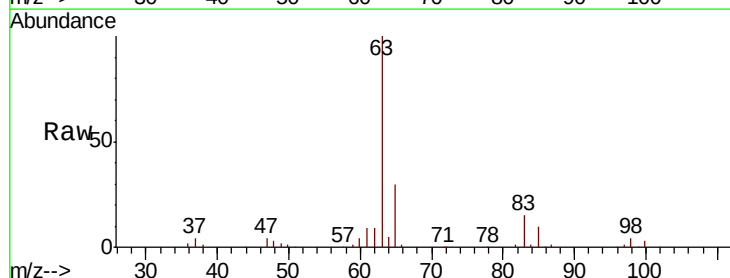
Tgt Ion: 63 Resp: 783059

Ion Ratio Lower Upper

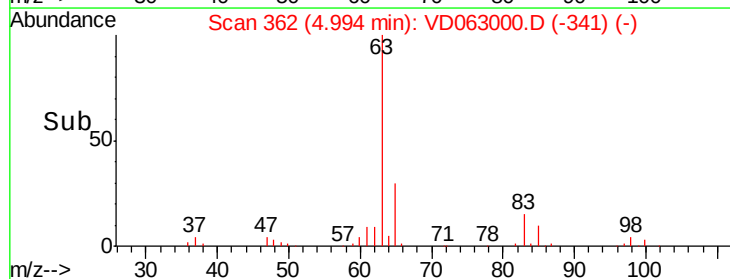
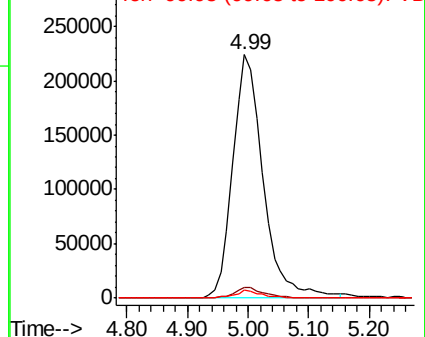
63 100

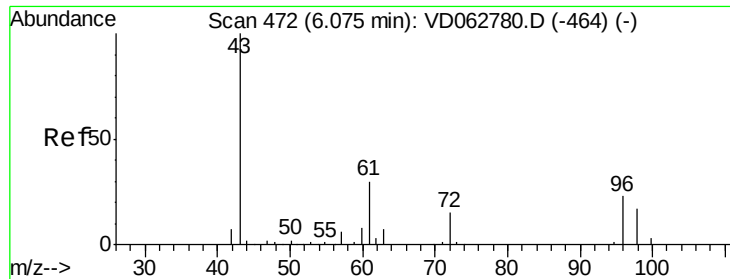
98 4.5 2.3 6.9

100 3.4 1.7 5.1



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





#25

2-Butanone

Concen: 303.734 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

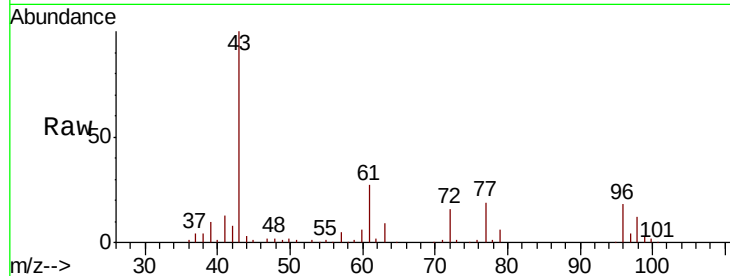
VSTDCCC050

Tot Ion: 43 Resp: 564462

Ion Ratio Lower Upper

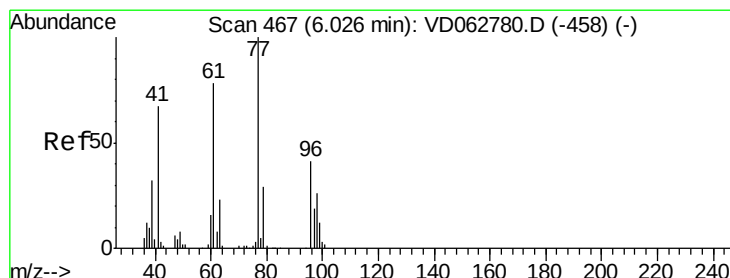
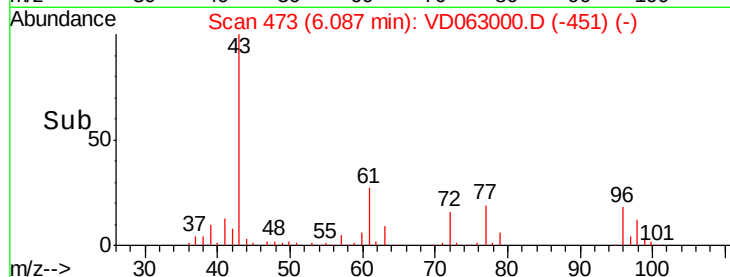
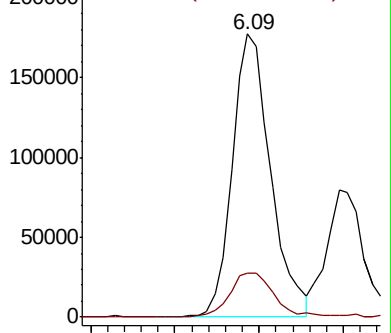
43 100

72 15.6 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.178 ug/l

RT: 6.04 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD063000.D

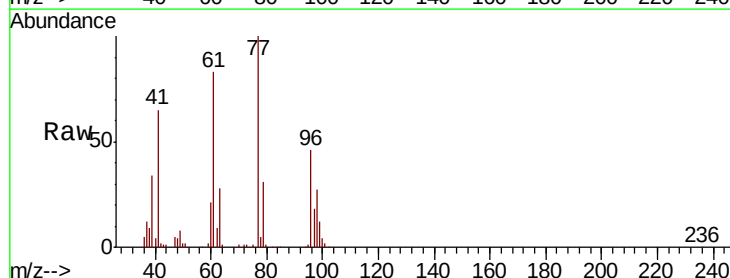
Acq: 2 Jul 2019 10:20

Tgt Ion: 77 Resp: 830127

Ion Ratio Lower Upper

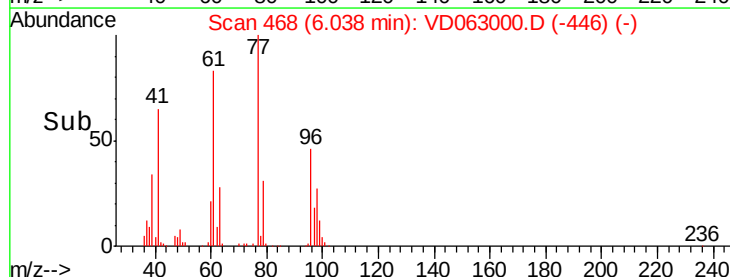
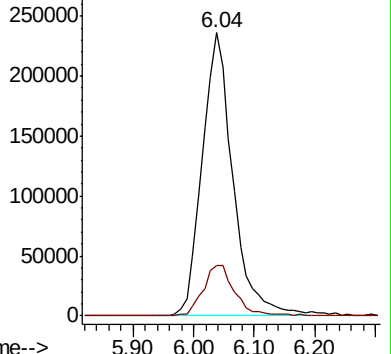
77 100

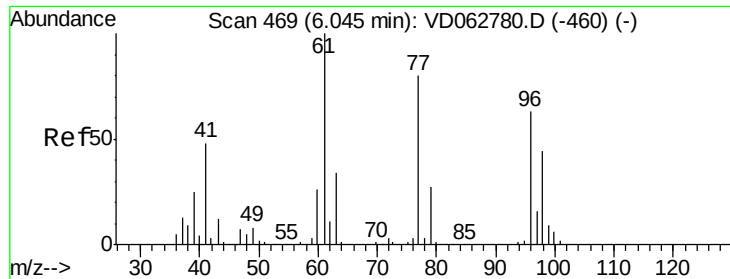
97 17.7 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



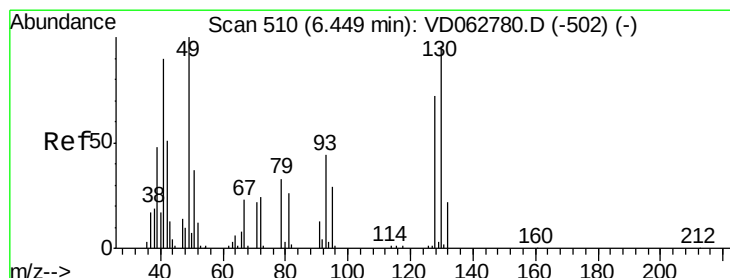
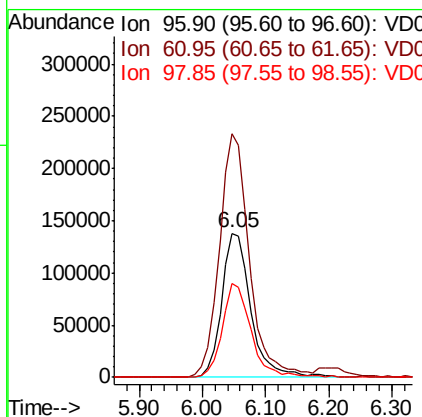
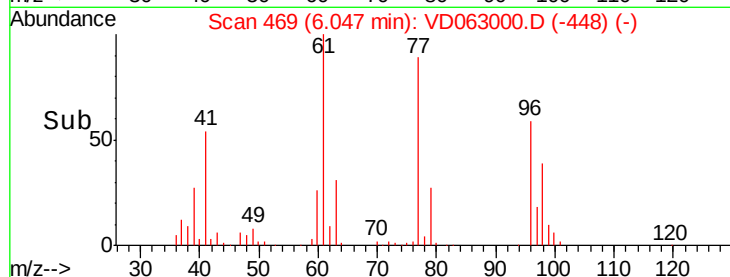
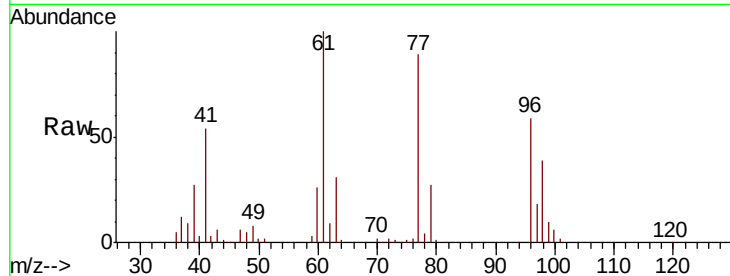


#27

cis-1,2-Dichloroethene
 Concen: 54.176 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

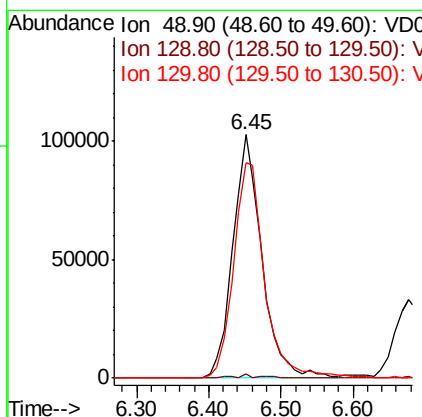
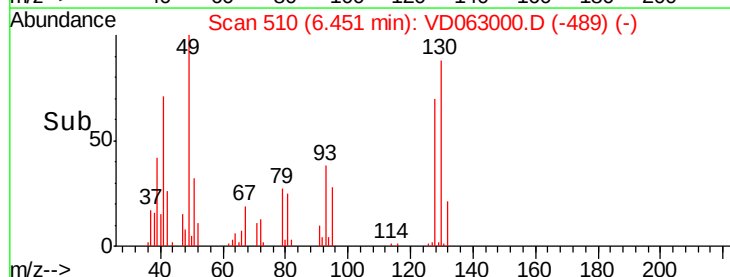
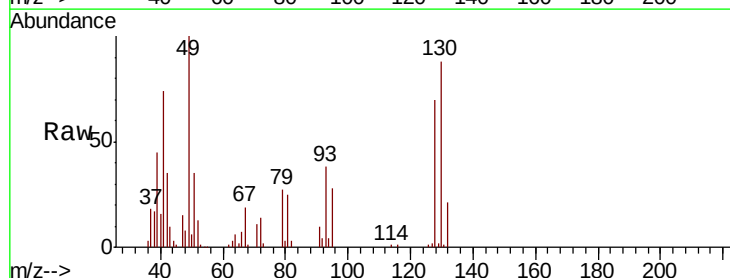
Tot Ion: 96 Resp: 442553
 Ion Ratio Lower Upper
 96 100
 61 169.0 0.0 316.0
 98 65.2 0.0 138.4

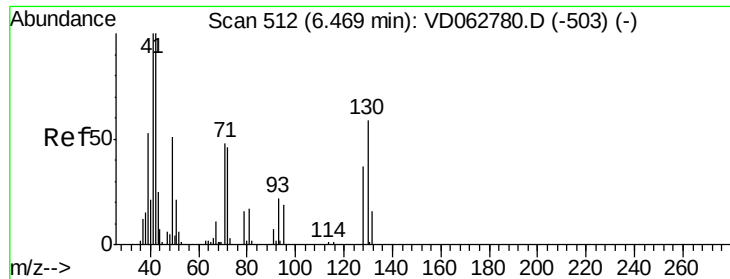


#28

Bromochloromethane
 Concen: 57.628 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion: 49 Resp: 288083
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 5.6
 130 88.3 76.6 114.8





#29

Tetrahydrofuran

Concen: 285.508 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

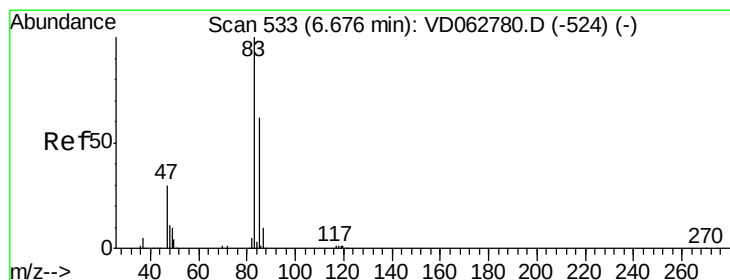
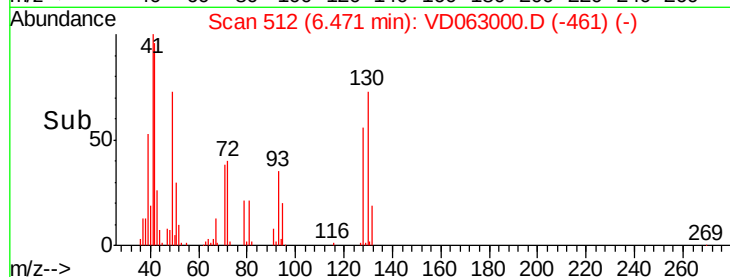
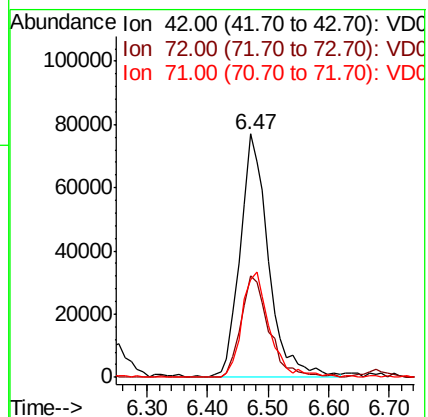
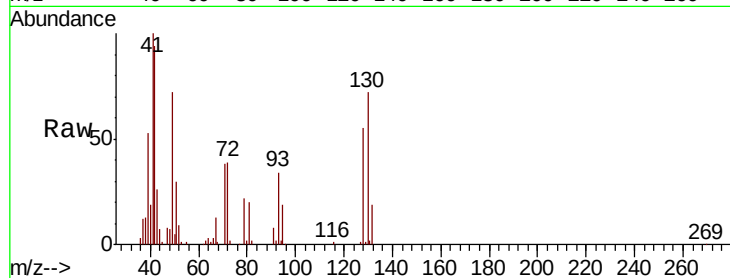
Tot Ion: 42 Resp: 251043

Ion Ratio Lower Upper

42 100

72 41.3 35.0 52.6

71 42.1 33.3 49.9



#30

Chloroform

Concen: 55.496 ug/l

RT: 6.68 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD063000.D

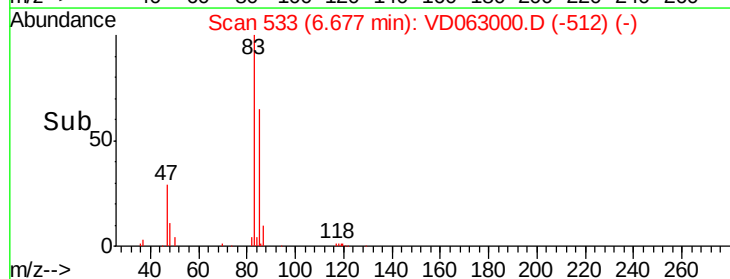
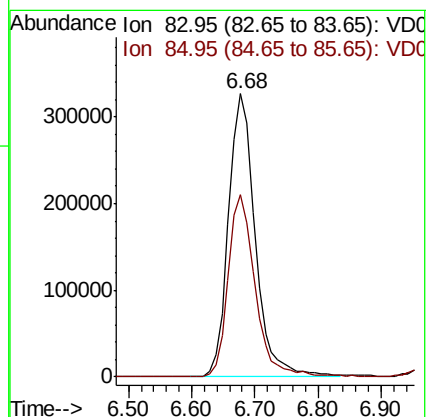
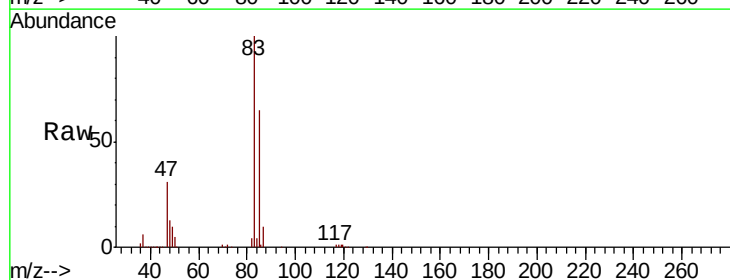
Acq: 2 Jul 2019 10:20

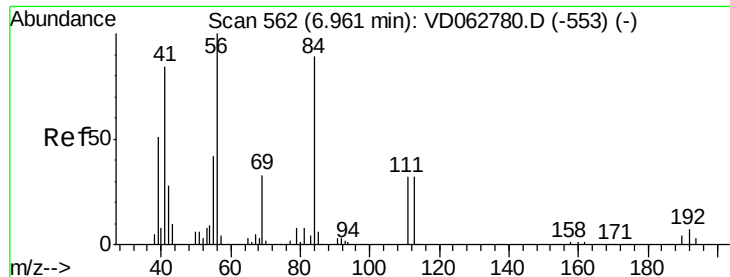
Tgt Ion: 83 Resp: 957950

Ion Ratio Lower Upper

83 100

85 64.6 49.8 74.6

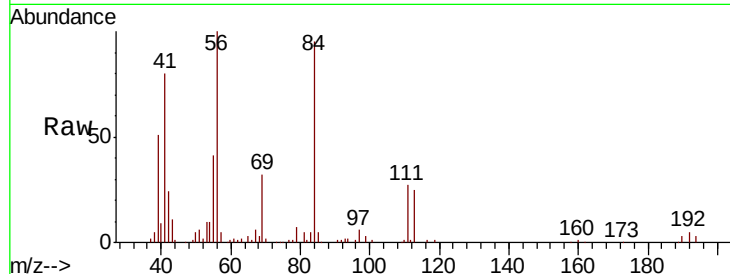




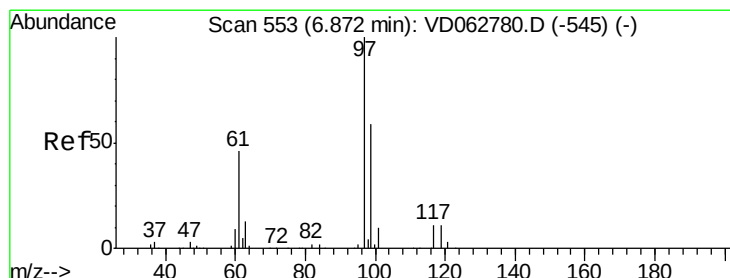
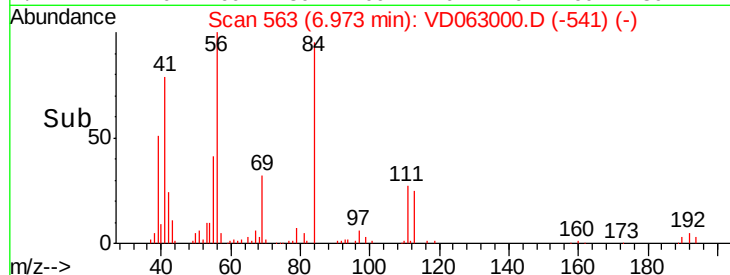
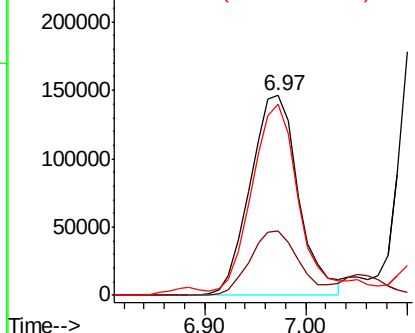
#31
Cyclohexane
Concen: 52.183 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 486914
Ion Ratio Lower Upper
56 100
69 31.9 26.6 39.8
84 95.5 75.5 113.3

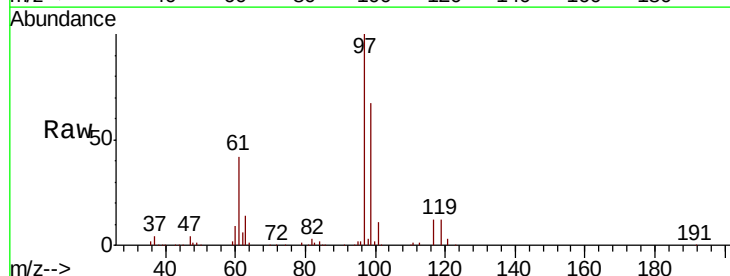


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

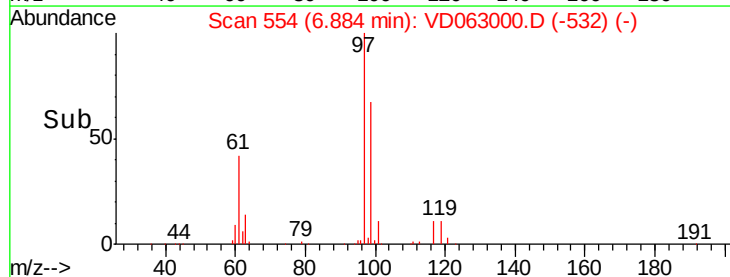
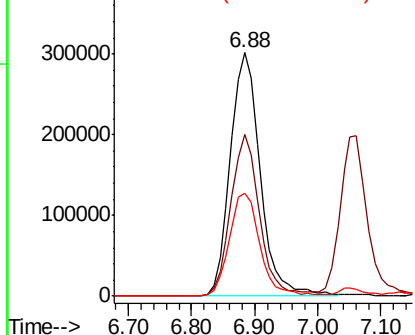


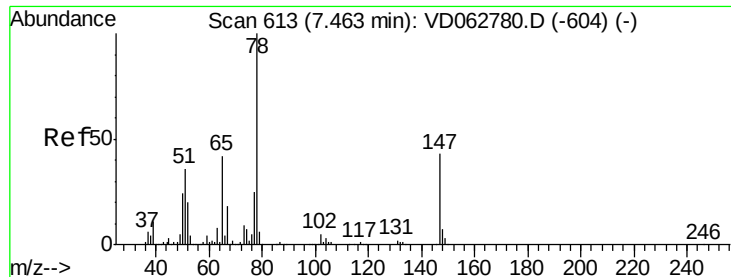
#32
1,1,1-Trichloroethane
Concen: 55.128 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 97 Resp: 991165
Ion Ratio Lower Upper
97 100
99 66.6 47.4 71.2
61 42.3 37.2 55.8



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

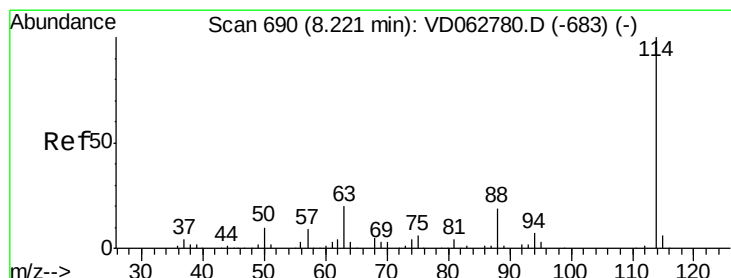
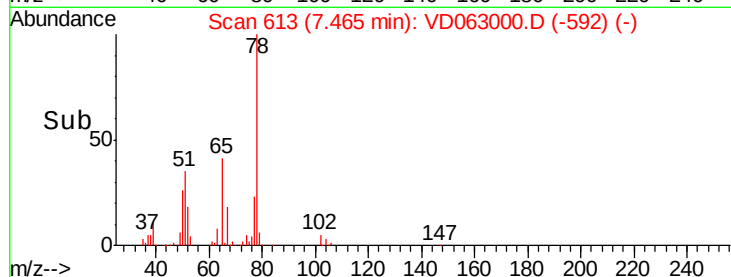
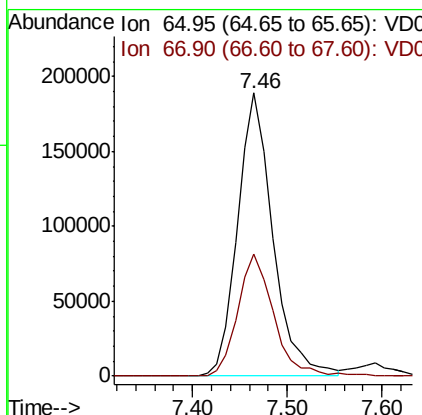
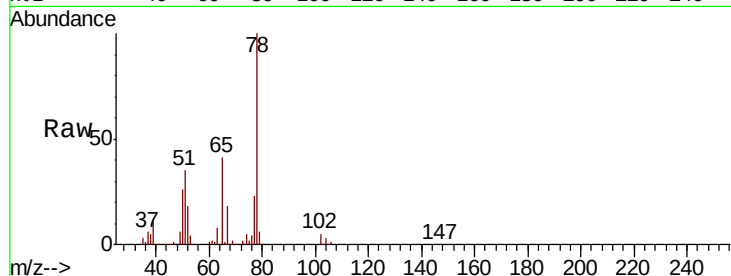




#33
 1,2-Dichloroethane-d4
 Concen: 49.091 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

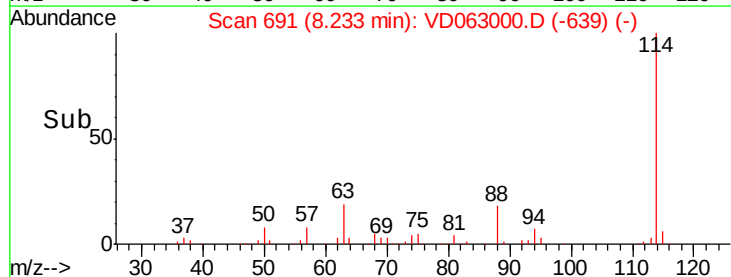
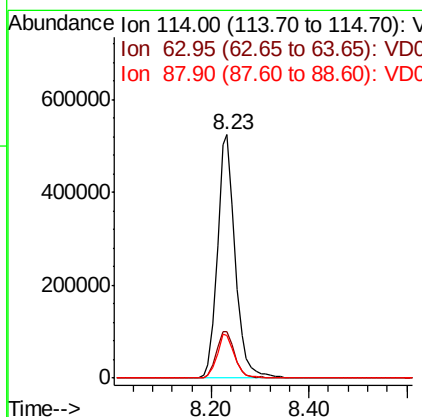
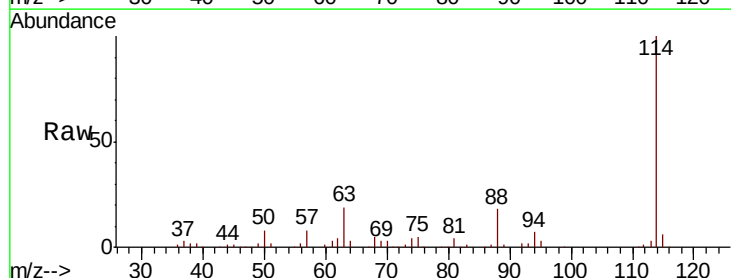
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

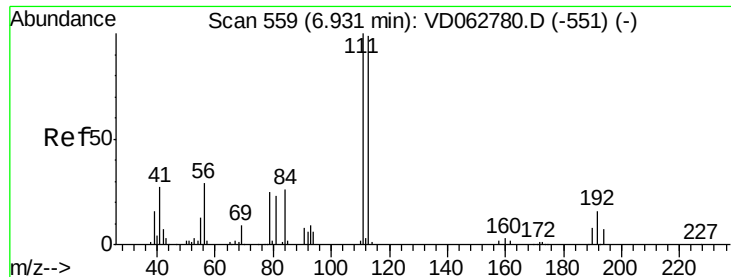
Tot Ion: 65 Resp: 487787
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion: 114 Resp: 1322799
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.0
 88 17.6 0.0 38.8

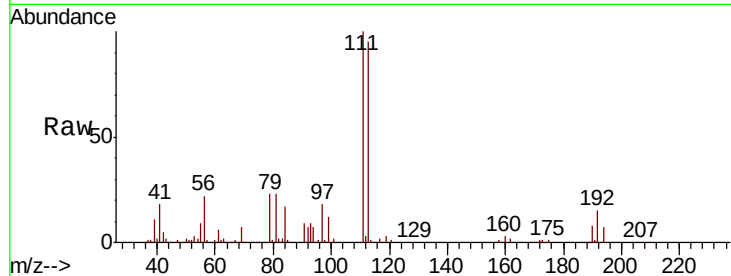




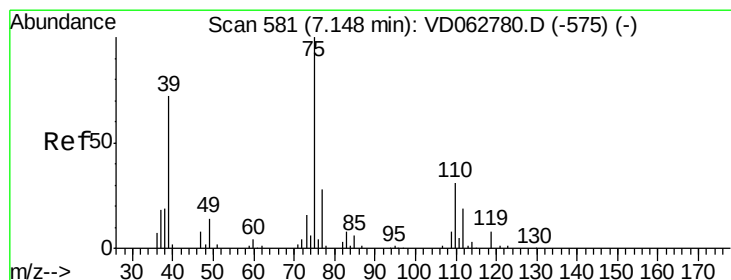
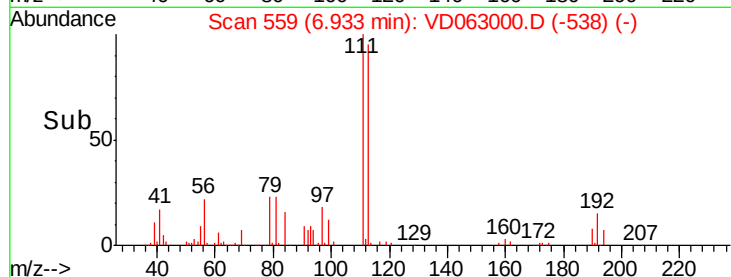
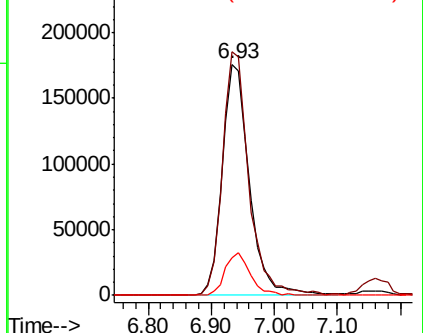
#35
 Dibromofluoromethane
 Concen: 47.339 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.3	81.2	121.8
192	16.1	12.9	19.3

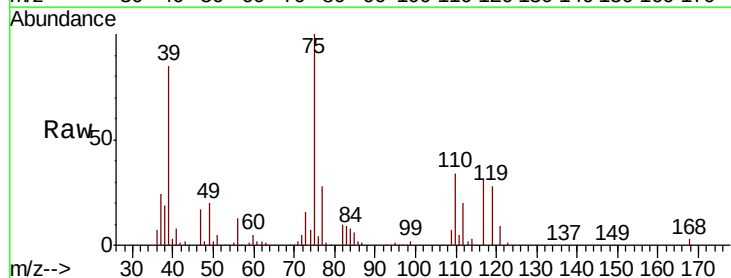


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

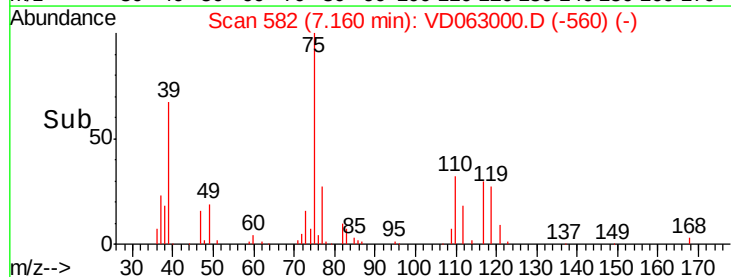
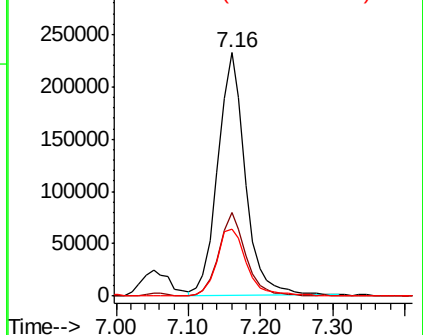


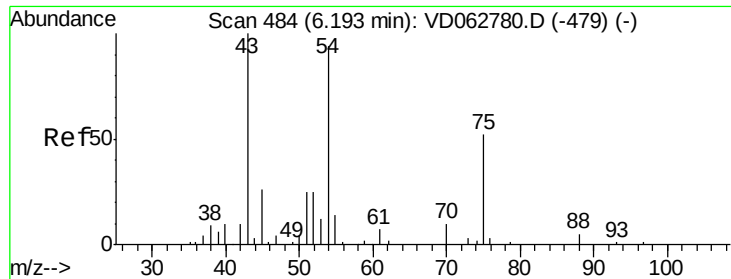
#36
 1,1-Dichloropropene
 Concen: 48.800 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	15.0	45.1
77	27.7	22.2	33.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 45.974 ug/l

RT: 6.20 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

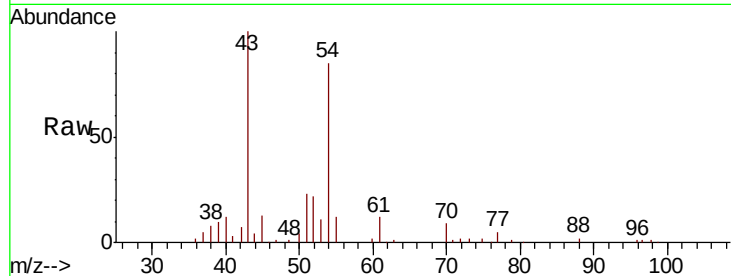
Tot Ion: 43 Resp: 242297

Ion Ratio Lower Upper

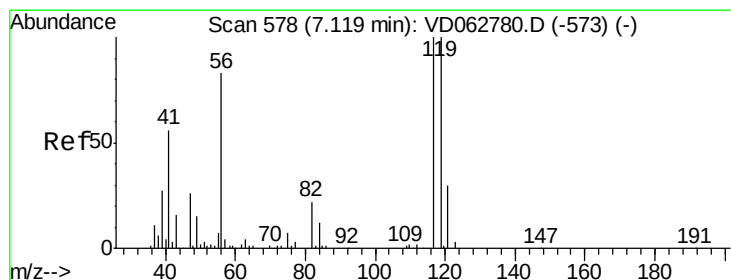
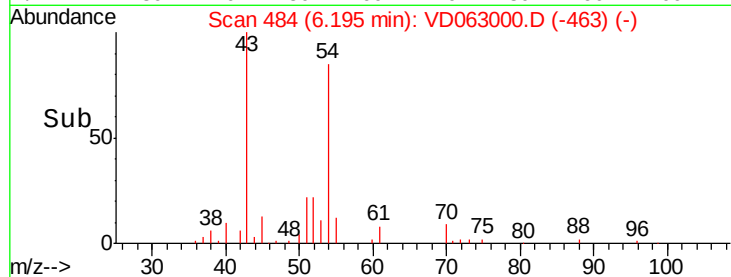
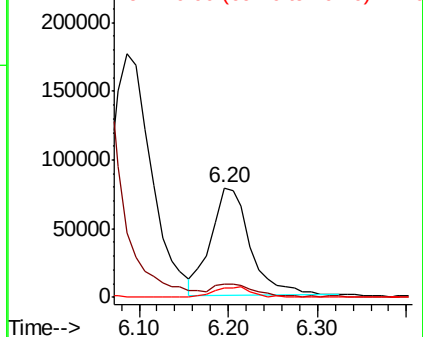
43 100

61 12.0 11.6 17.4

70 8.6 6.4 9.6



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



#38

Carbon Tetrachloride

Concen: 55.132 ug/l

RT: 7.12 min Scan# 578

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

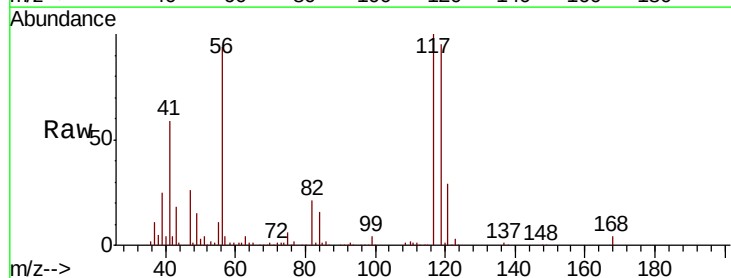
Tgt Ion: 117 Resp: 1038295

Ion Ratio Lower Upper

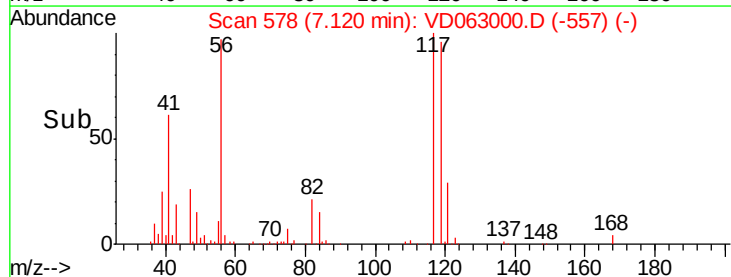
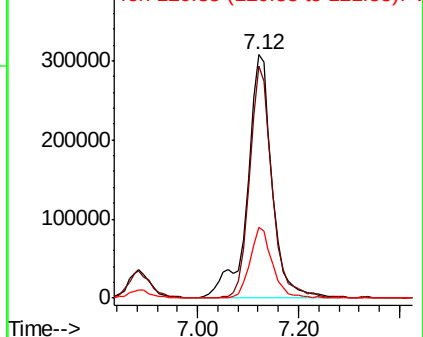
117 100

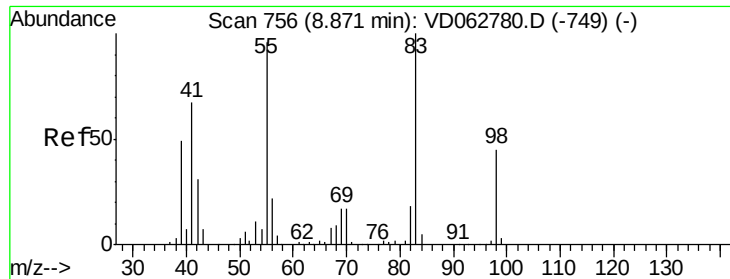
119 95.4 75.4 113.2

121 28.9 22.3 33.5



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

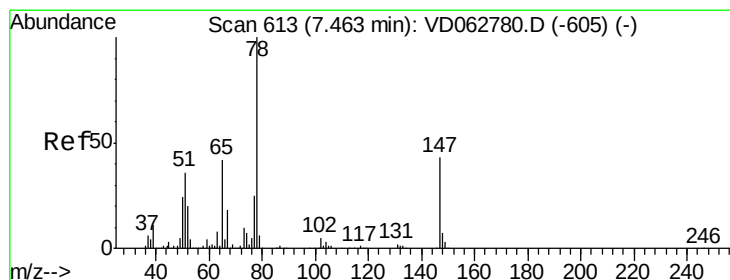
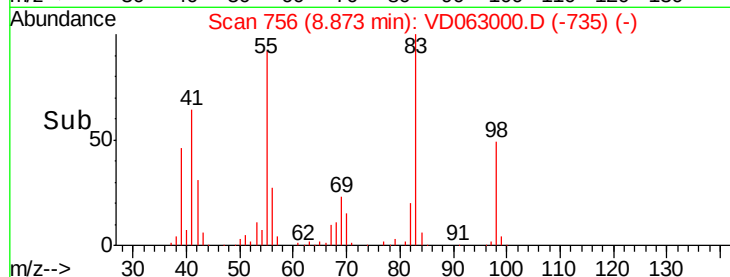
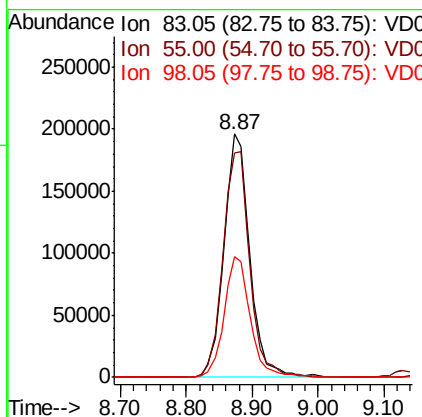
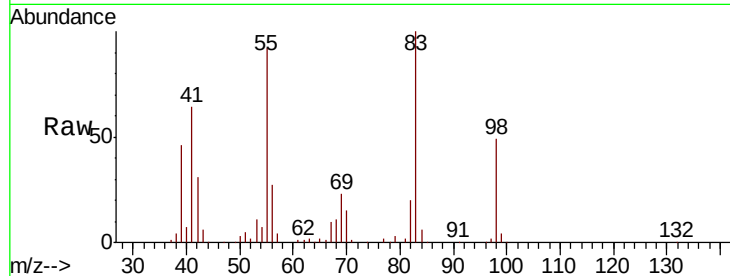




#39
Methylvlcyclohexane
Concen: 48.738 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

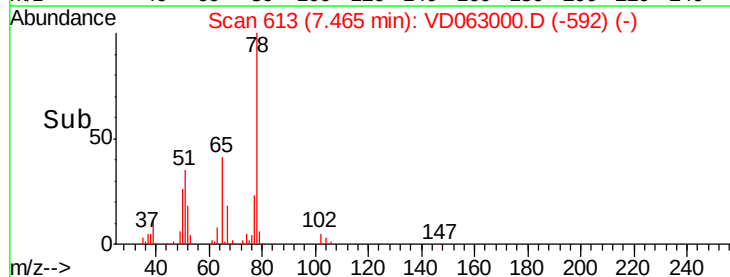
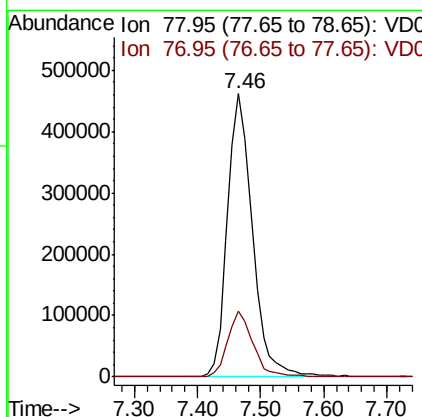
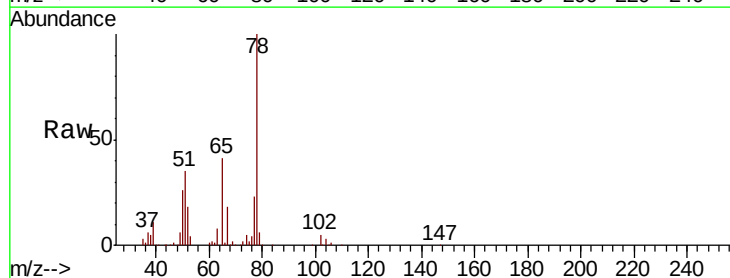
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

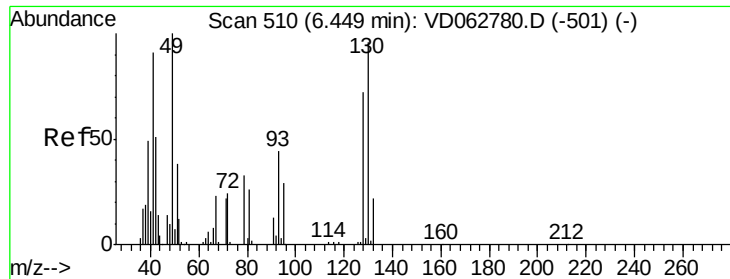
Tot Ion: 83 Resp: 537212
Ion Ratio Lower Upper
83 100
55 91.9 76.6 115.0
98 49.5 35.7 53.5



#40
Benzene
Concen: 50.586 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 78 Resp: 1271509
Ion Ratio Lower Upper
78 100
77 23.0 20.2 30.2

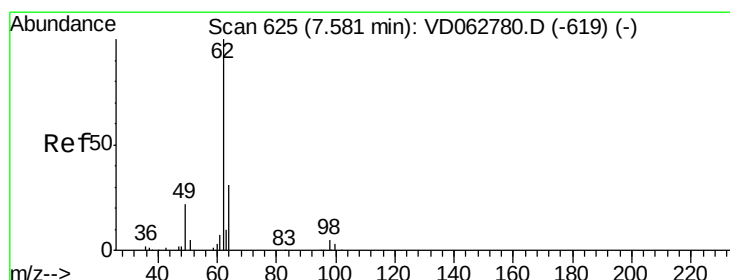
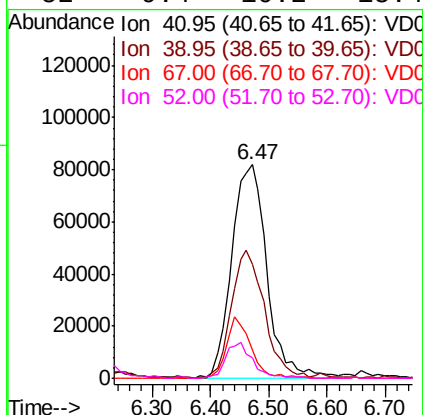
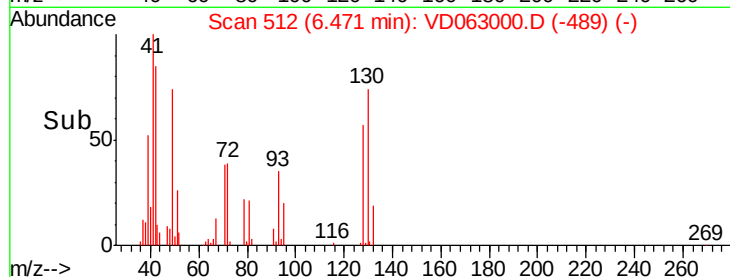
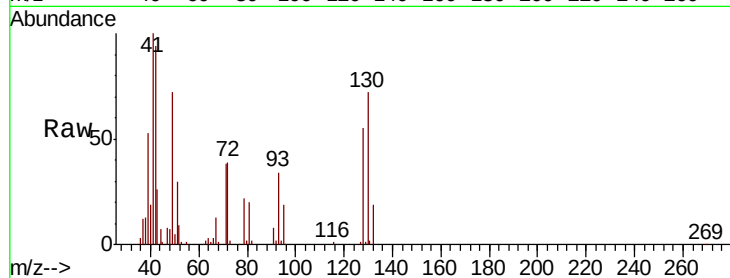




#41
Methacrylonitrile
Concen: 52.097 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

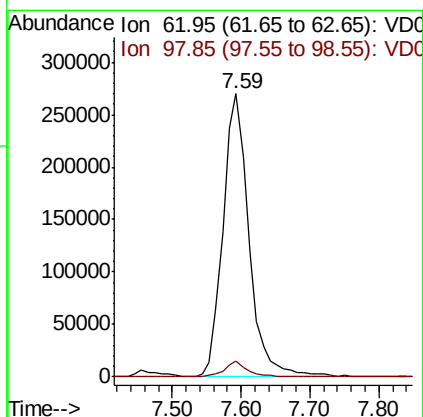
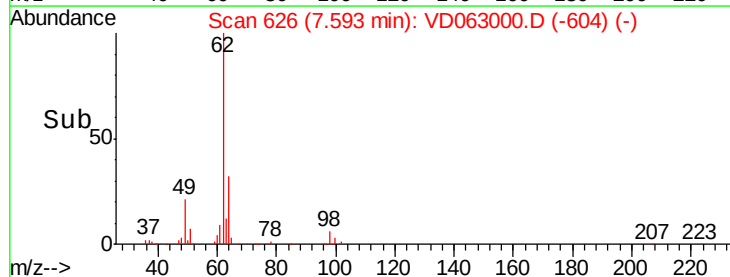
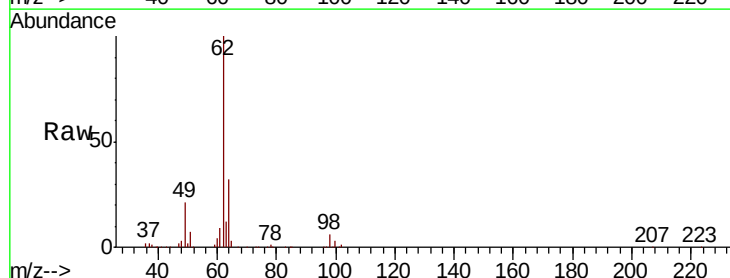
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

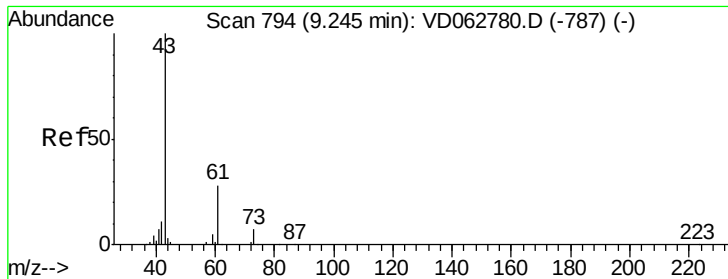
Tot Ion: 41 Resp: 344035
Ion Ratio Lower Upper
41 100
39 53.2 43.2 64.8
67 12.9 19.9 29.9#
52 9.4 10.2 15.4#



#42
1,2-Dichloroethane
Concen: 51.191 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 62 Resp: 701937
Ion Ratio Lower Upper
62 100
98 5.7 0.0 10.0

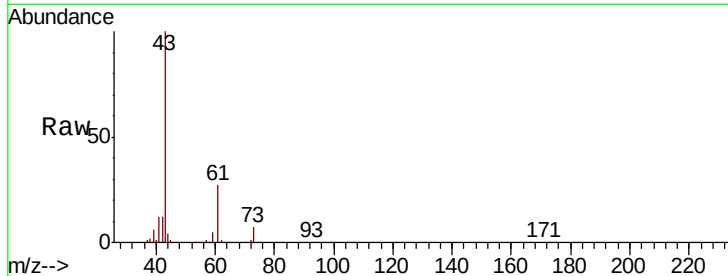




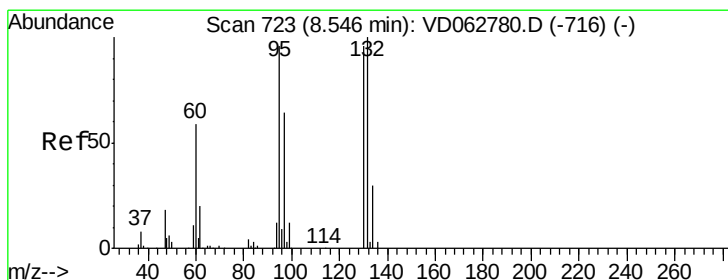
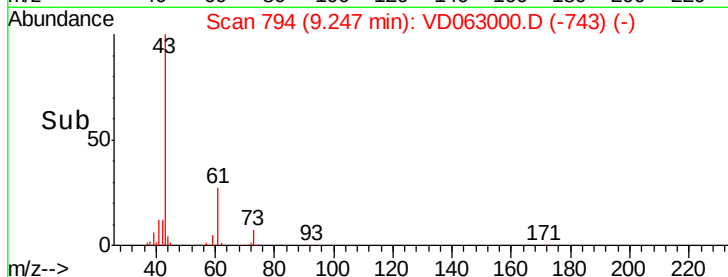
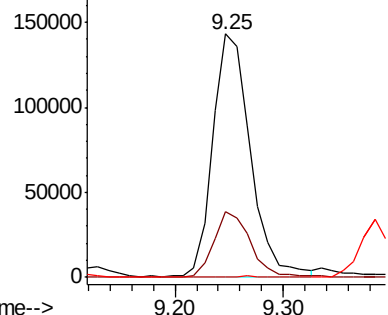
#43
Isopropyl Acetate
Concen: 52.470 ug/l
RT: 9.25 min Scan# 794
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 344464
Ion Ratio Lower Upper
43 100
61 26.7 22.4 33.6
87 0.0 0.3 0.5#

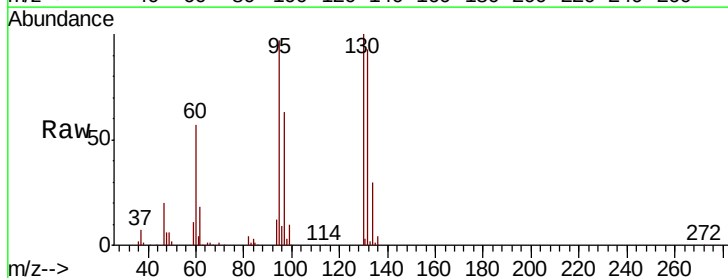


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

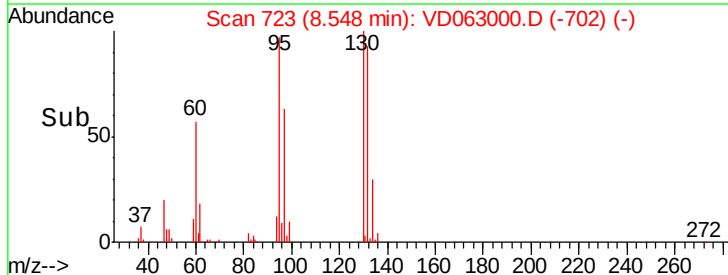
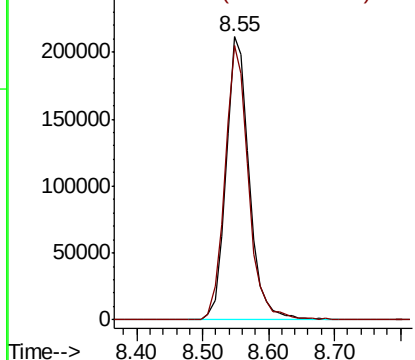


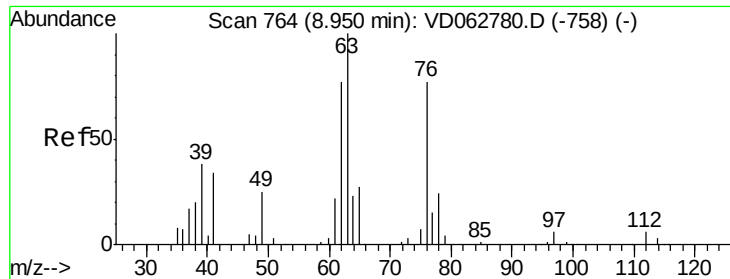
#44
Trichloroethene
Concen: 52.898 ug/l
RT: 8.55 min Scan# 723
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion:130 Resp: 521275
Ion Ratio Lower Upper
130 100
95 97.0 0.0 201.6



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

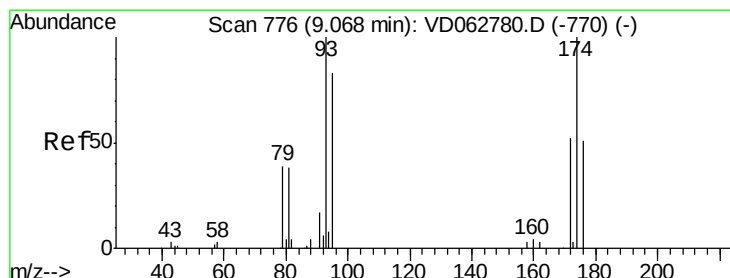
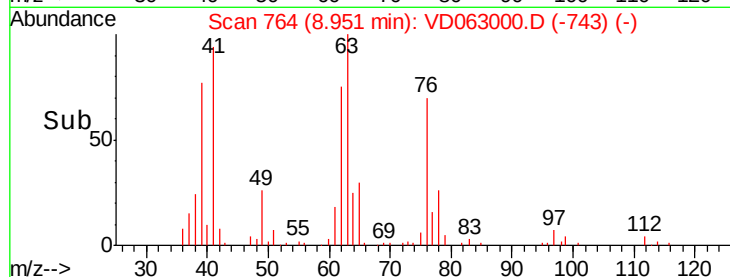
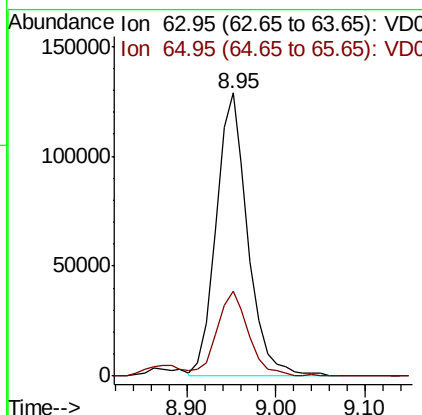
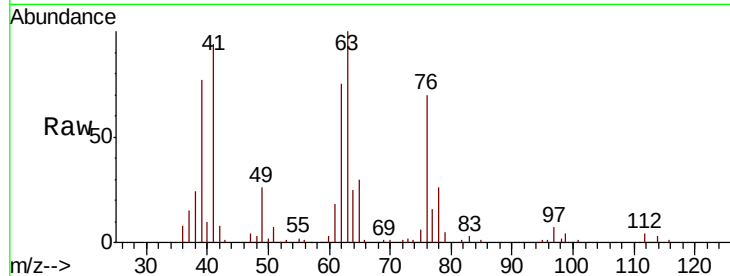




#45
 1,2-Dichloropropane
 Concen: 50.887 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

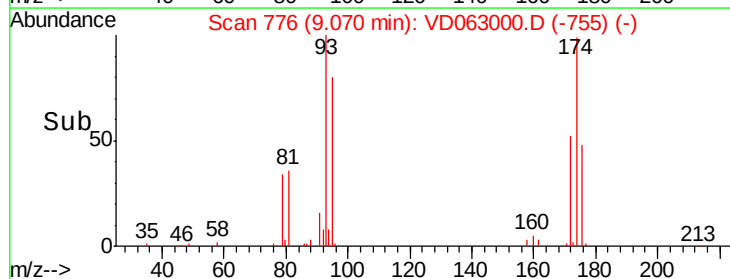
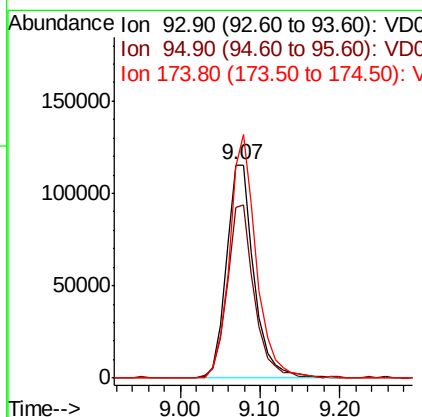
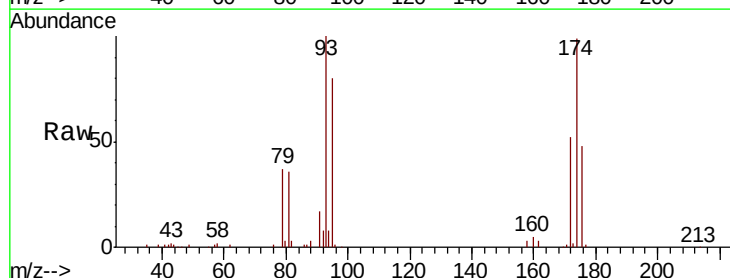
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

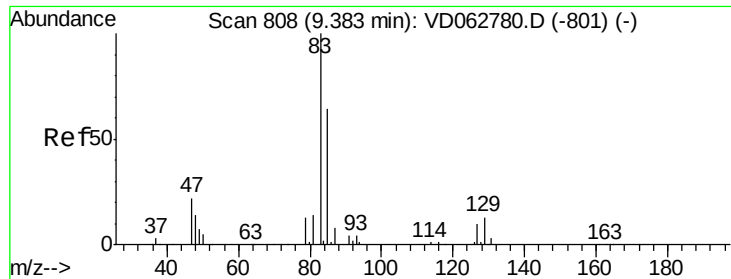
Tot Ion: 63 Resp: 318052
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.2 36.2



#46
 Dibromomethane
 Concen: 52.181 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion: 93 Resp: 280161
 Ion Ratio Lower Upper
 93 100
 95 80.2 66.6 100.0
 174 99.0 79.7 119.5





#47

Bromodichloromethane

Concen: 53.134 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

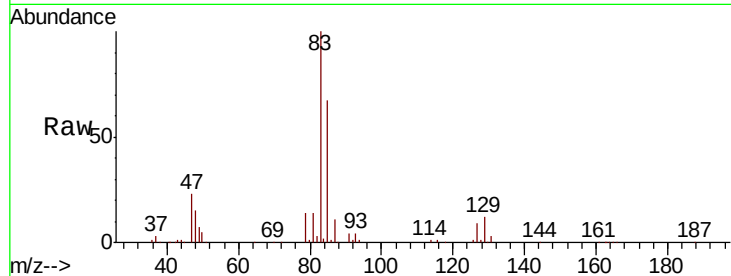
Tot Ion: 83 Resp: 740887

Ion Ratio Lower Upper

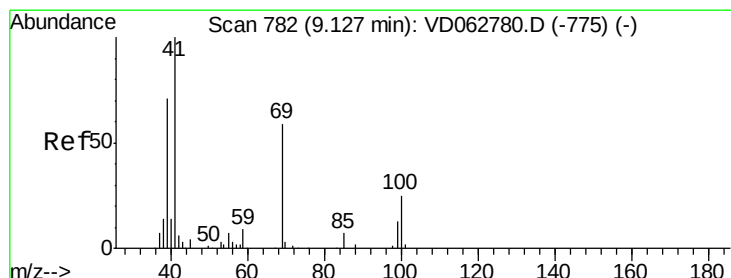
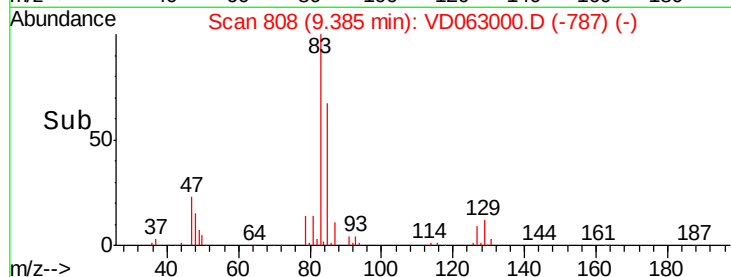
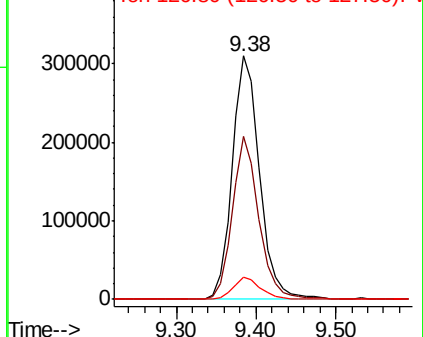
83 100

85 67.2 51.6 77.4

127 9.0 7.8 11.6



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: 49.272 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

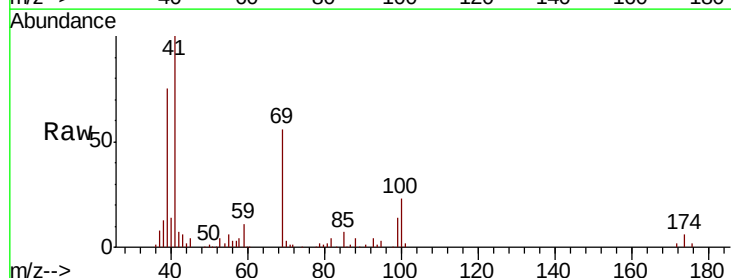
Tgt Ion: 41 Resp: 229865

Ion Ratio Lower Upper

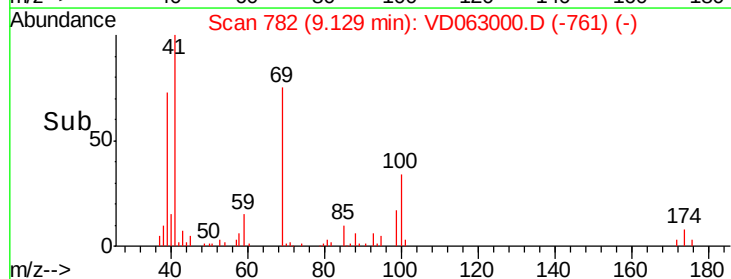
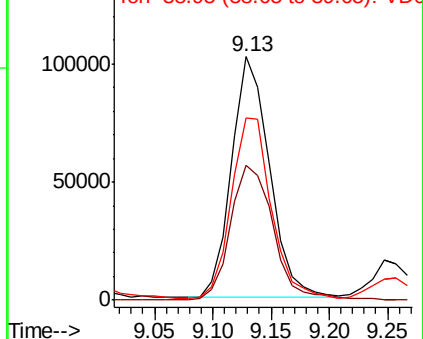
41 100

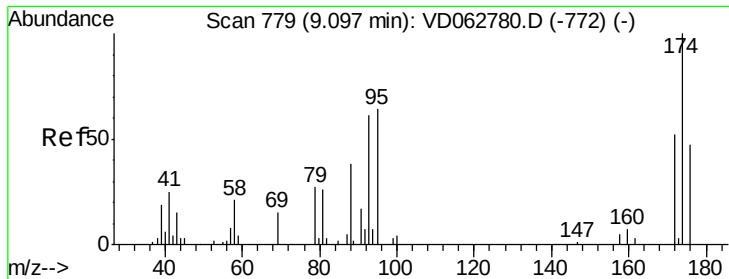
69 55.5 47.2 70.8

39 74.7 57.4 86.2



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

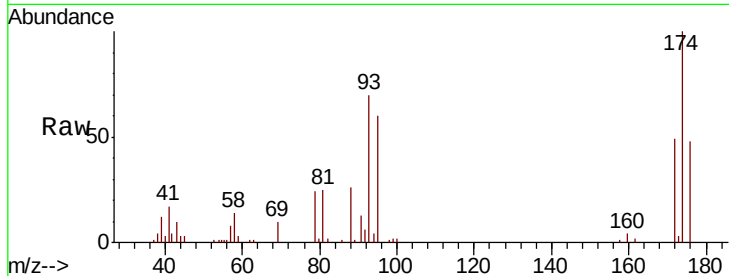




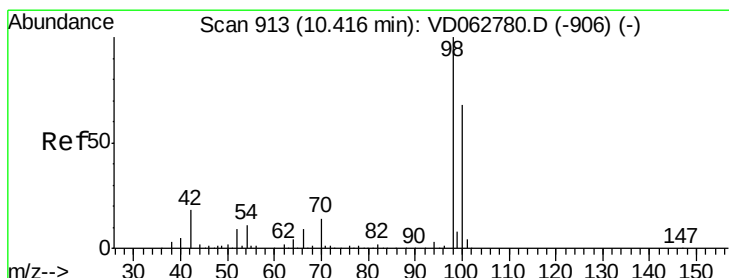
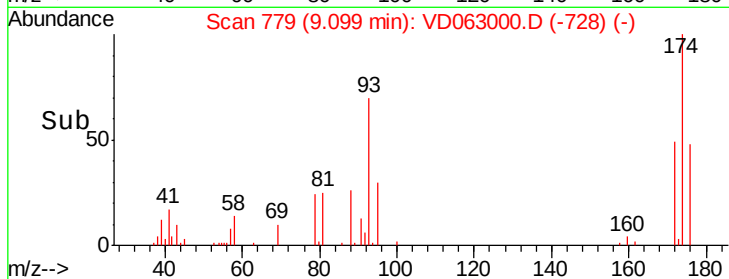
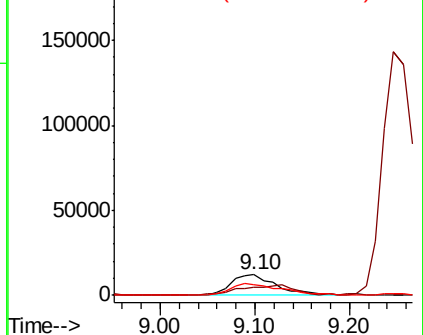
#49
1,4-Dioxane
Concen: 1040.520 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 40386
Ion Ratio Lower Upper
88 100
43 37.5 32.1 48.1
58 52.3 44.1 66.1

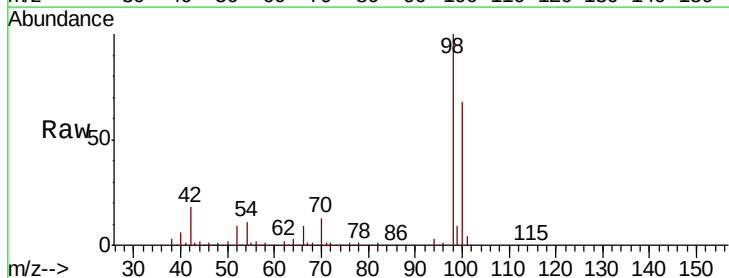


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

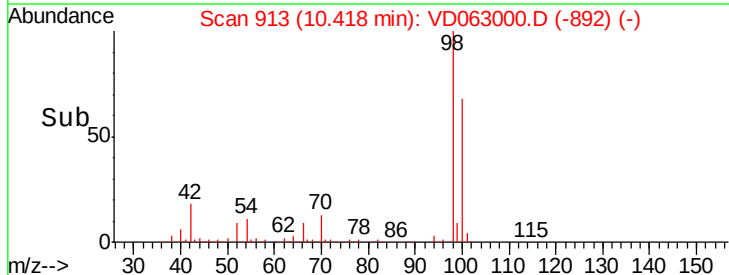
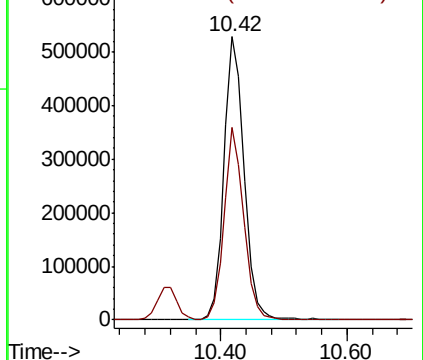


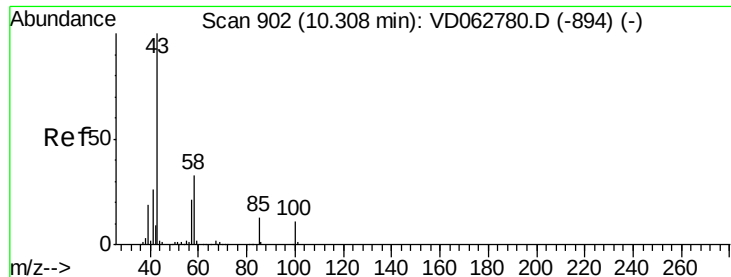
#50
Toluene-d8
Concen: 48.162 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 98 Resp: 1169169
Ion Ratio Lower Upper
98 100
100 68.2 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

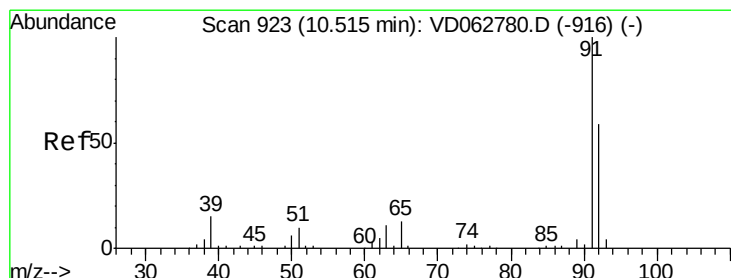
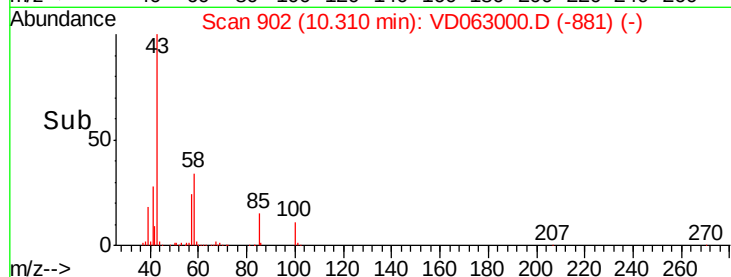
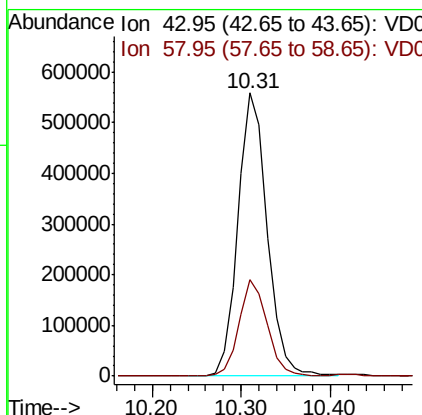
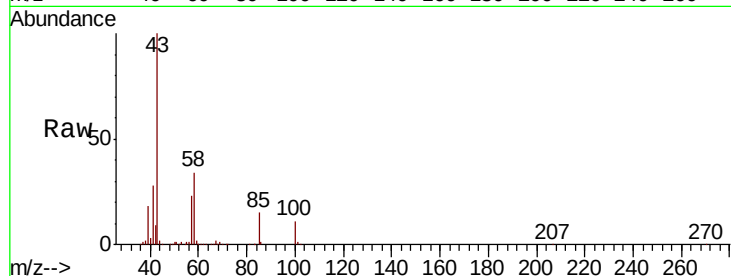




#51
 4-Methyl-2-Pentanone
 Concen: 273.614 ug/l
 RT: 10.31 min Scan# 902
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

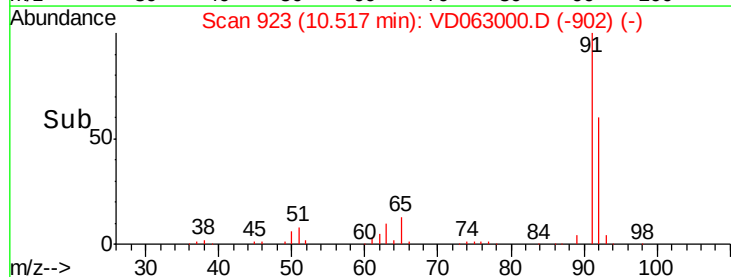
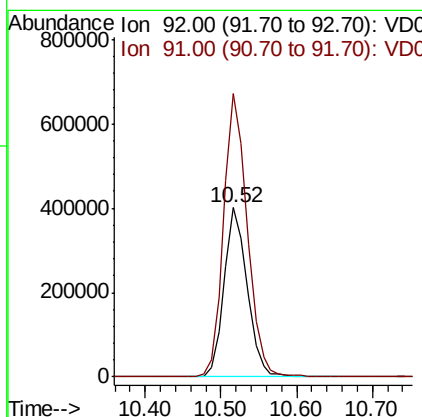
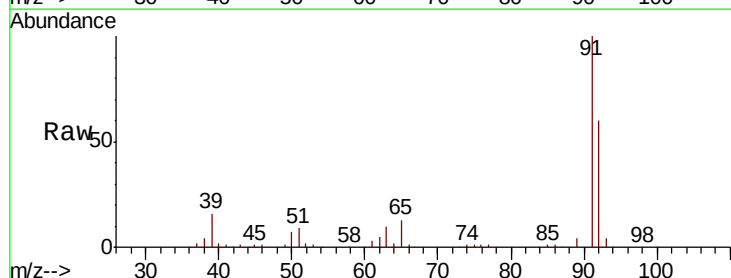
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

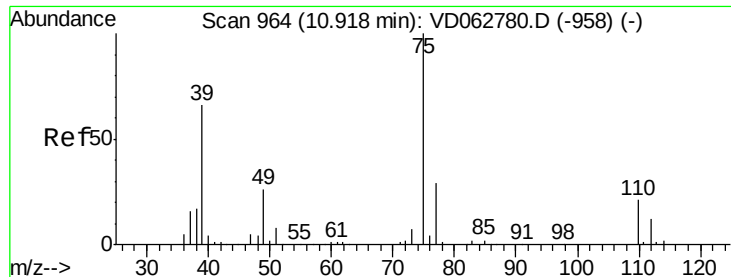
Tot Ion: 43 Resp: 1273537
 Ion Ratio Lower Upper
 43 100
 58 34.2 26.6 40.0



#52
 Toluene
 Concen: 50.294 ug/l
 RT: 10.52 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion: 92 Resp: 849789
 Ion Ratio Lower Upper
 92 100
 91 167.5 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 55.095 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

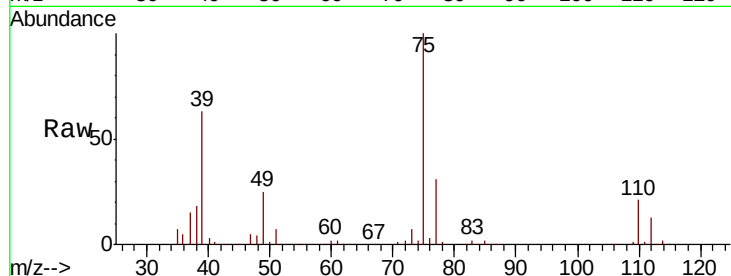
VSTDCCC050

Tot Ion: 75 Resp: 628787

Ion Ratio Lower Upper

75 100

77 30.9 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

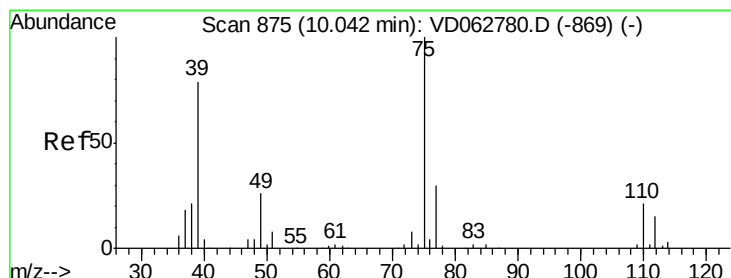
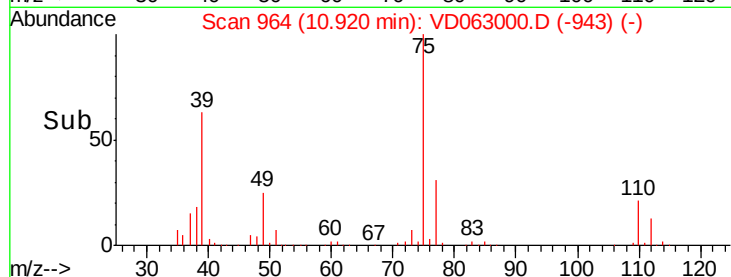
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.803 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

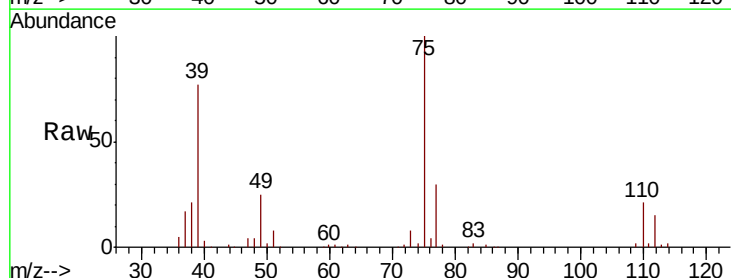
Tgt Ion: 75 Resp: 655015

Ion Ratio Lower Upper

75 100

77 30.1 24.2 36.2

39 77.1 63.5 95.3



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

10.04

400000

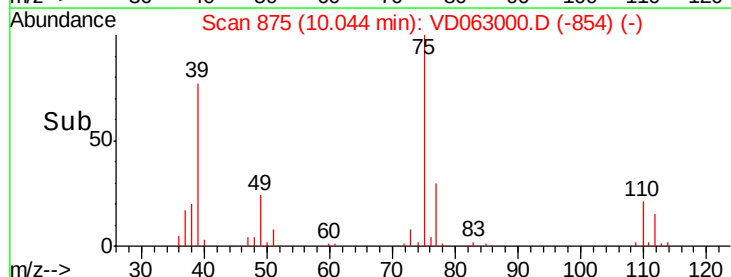
300000

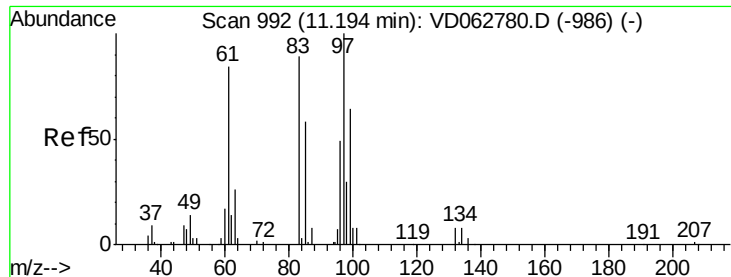
200000

100000

0

Time-->

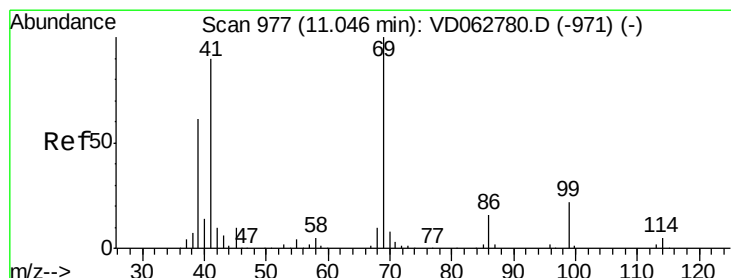
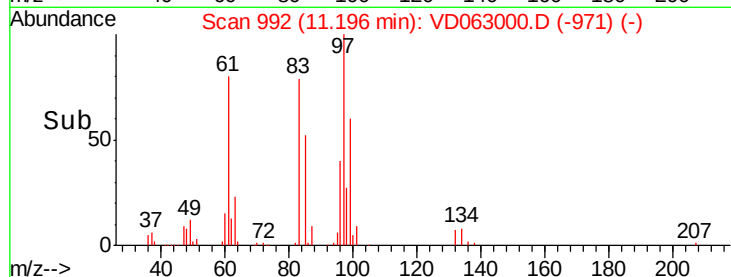
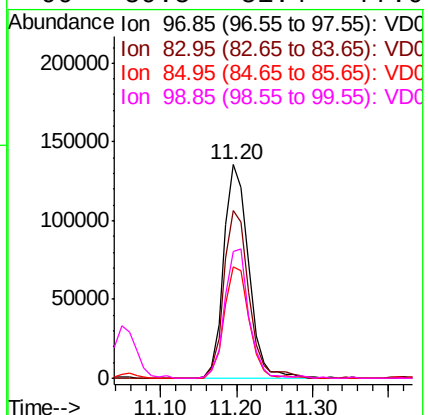
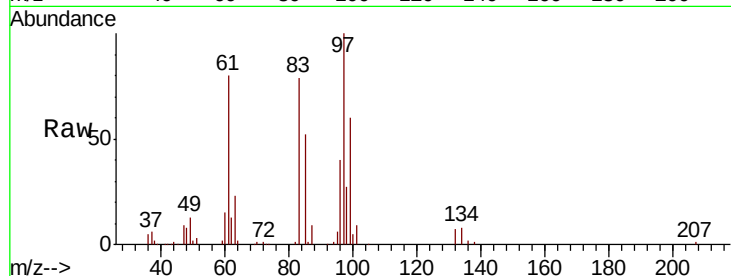




#55
1,1,2-Trichloroethane
Concen: 53.206 ug/l
RT: 11.20 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

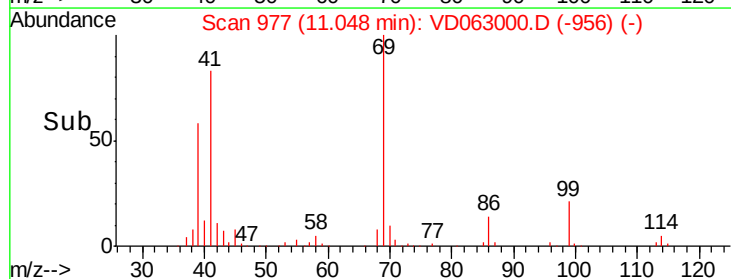
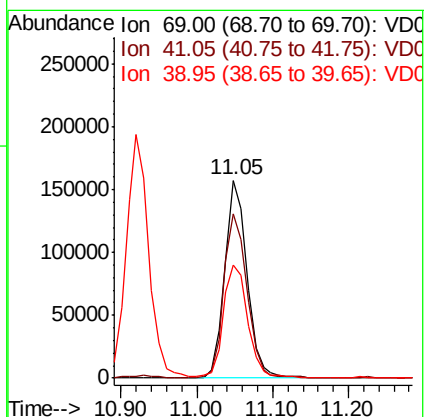
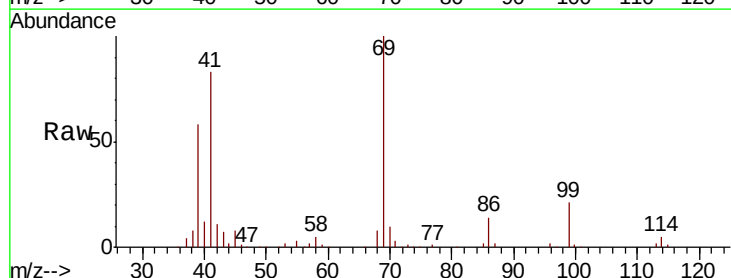
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

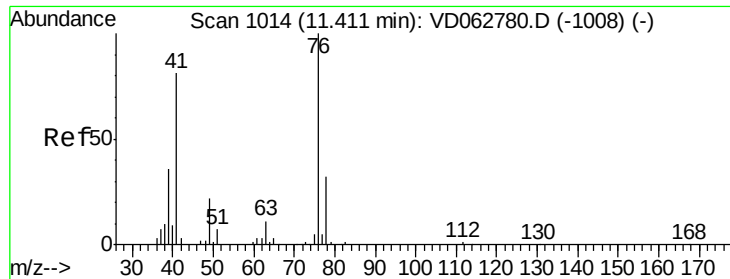
Tot Ion:	97	Resp:	308860
Ion	Ratio	Lower	Upper
97	100		
83	78.8	71.0	106.4
85	52.2	46.6	69.8
99	59.5	51.4	77.0



#56
Ethyl methacrylate
Concen: 51.928 ug/l
RT: 11.05 min Scan# 977
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion:	69	Resp:	322142
Ion	Ratio	Lower	Upper
69	100		
41	83.0	72.0	108.0
39	57.5	49.5	74.3





#57

1,3-Dichloropropane

Concen: 52.389 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

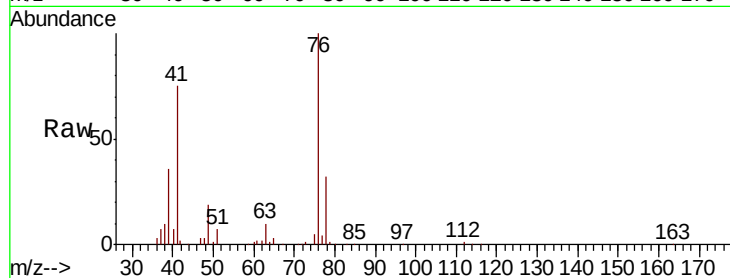
VSTDCCC050

Tot Ion: 76 Resp: 465647

Ion Ratio Lower Upper

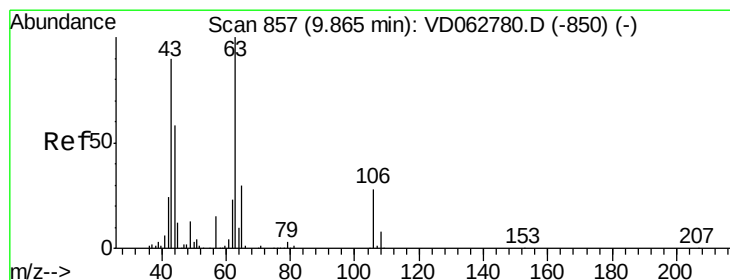
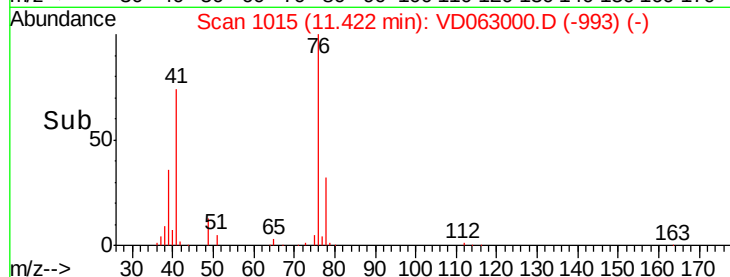
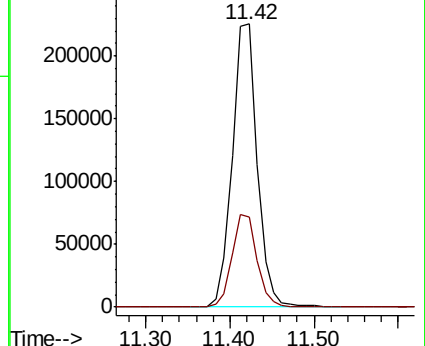
76 100

78 32.0 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 266.224 ug/l

RT: 9.87 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD063000.D

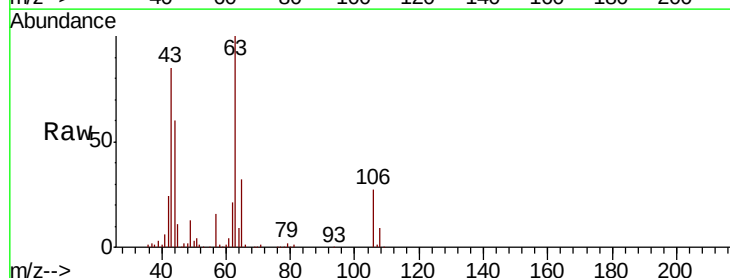
Acq: 2 Jul 2019 10:20

Tgt Ion: 63 Resp: 847889

Ion Ratio Lower Upper

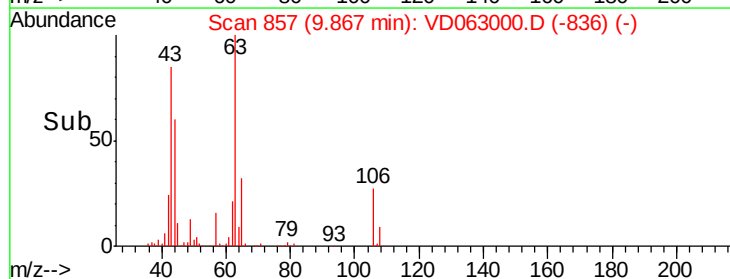
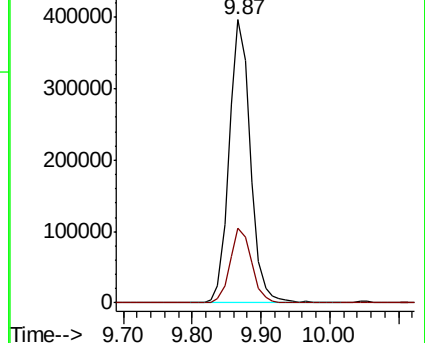
63 100

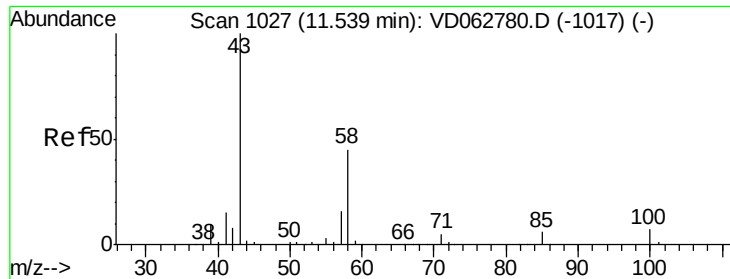
106 26.5 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

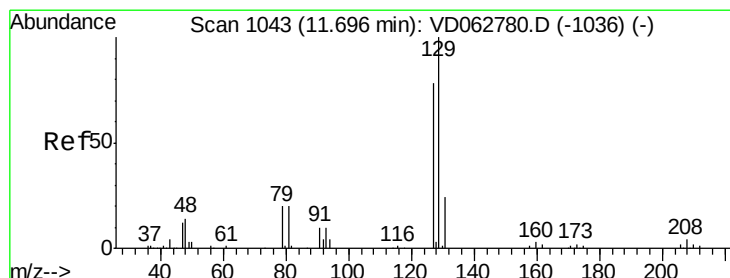
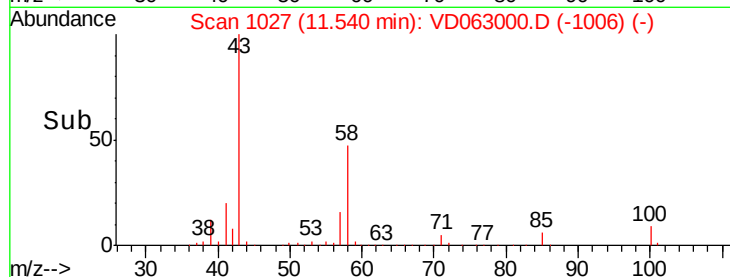
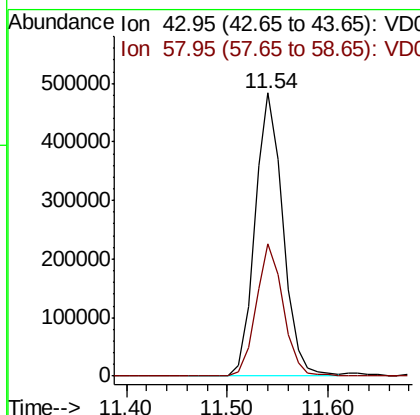
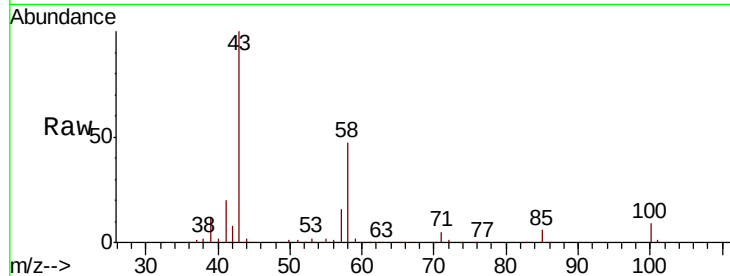




#59
2-Hexanone
Concen: 280.670 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

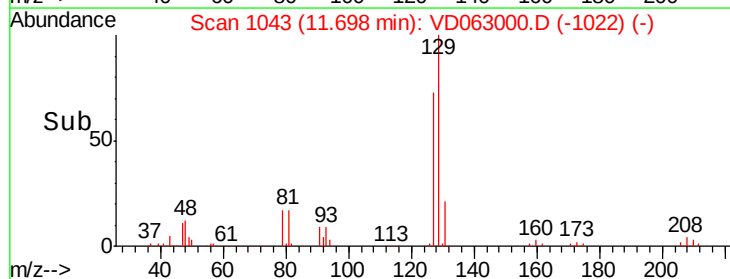
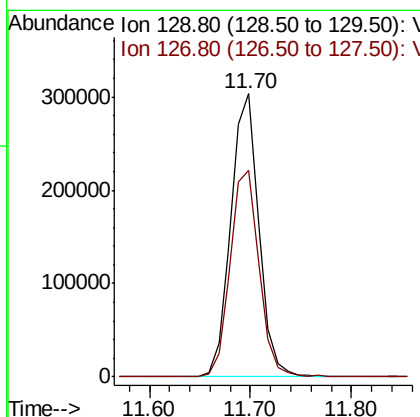
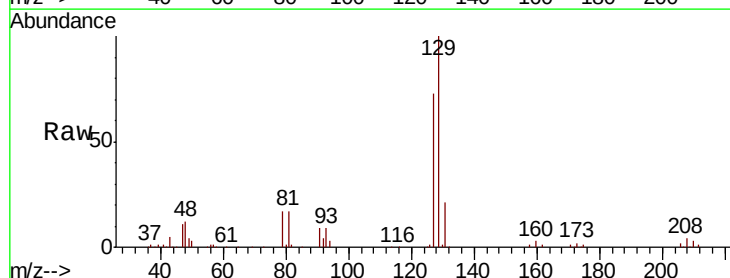
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

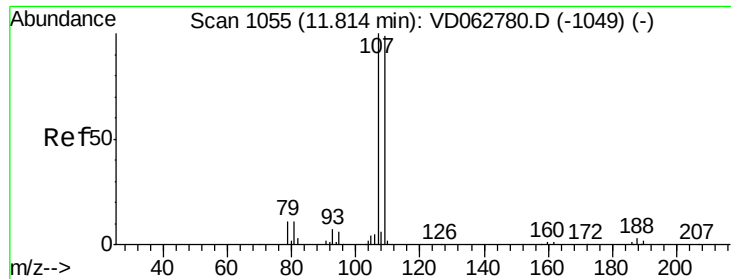
Tot Ion: 43 Resp: 930389
Ion Ratio Lower Upper
43 100
58 46.8 22.4 67.2



#60
Dibromochloromethane
Concen: 54.021 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion:129 Resp: 584099
Ion Ratio Lower Upper
129 100
127 73.2 38.9 116.6

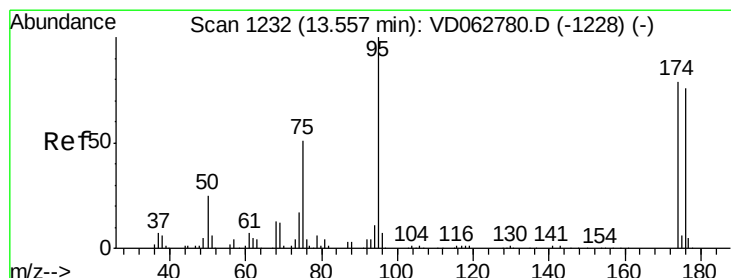
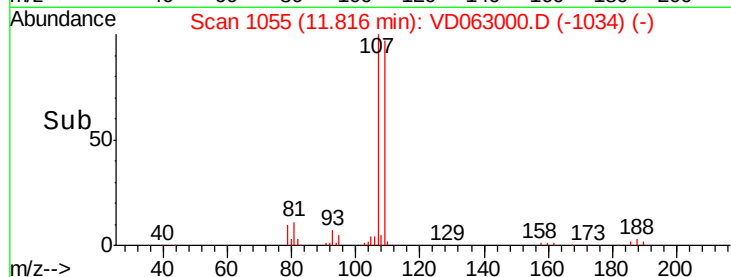
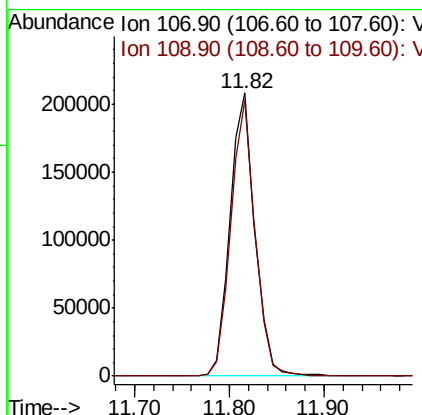
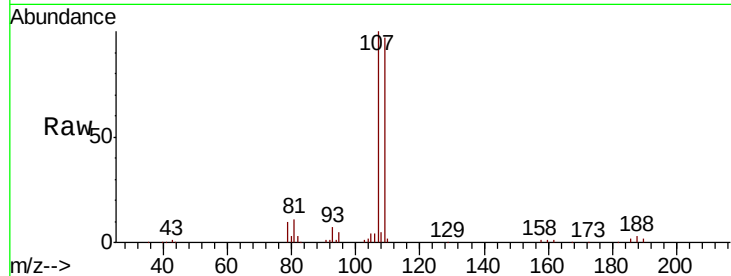




#61
 1,2-Dibromoethane
 Concen: 55.144 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

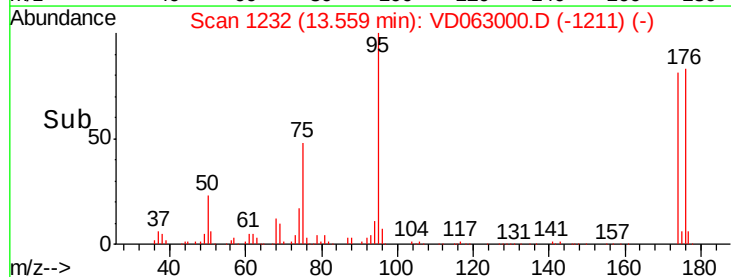
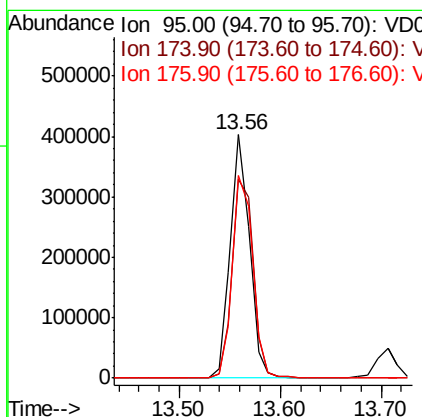
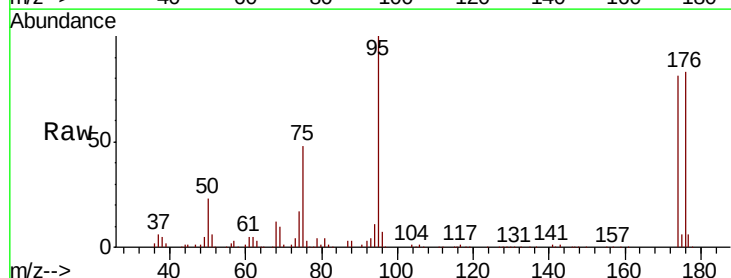
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

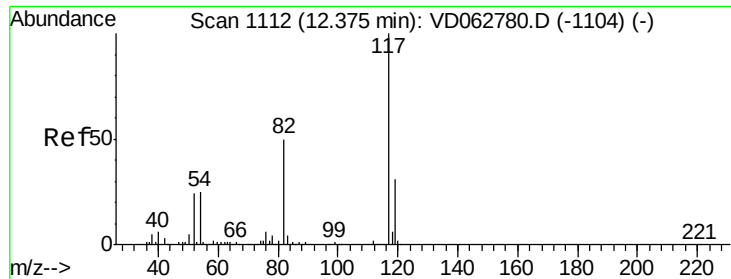
Tot Ion: 107 Resp: 378060
 Ion Ratio Lower Upper
 107 100
 109 97.3 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 48.333 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion: 95 Resp: 533523
 Ion Ratio Lower Upper
 95 100
 174 81.5 0.0 158.0
 176 83.2 0.0 151.6

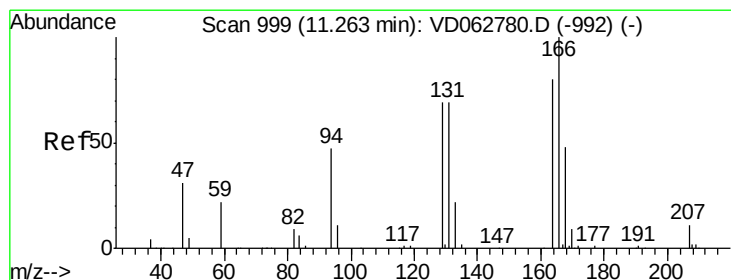
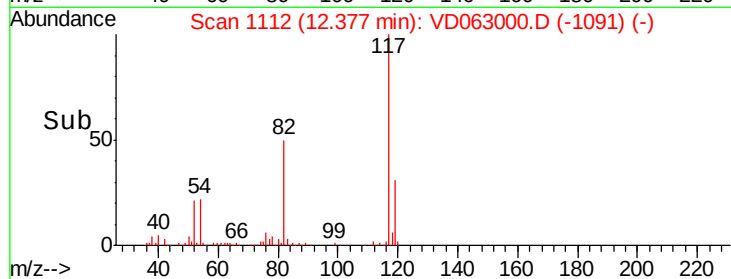
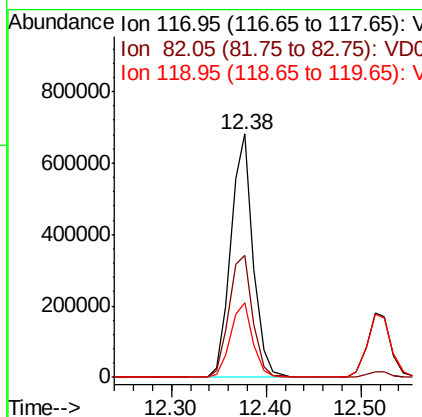
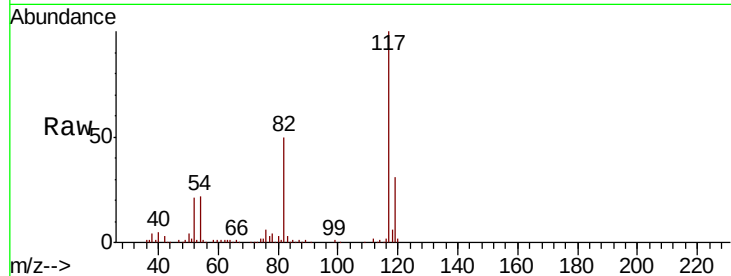




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

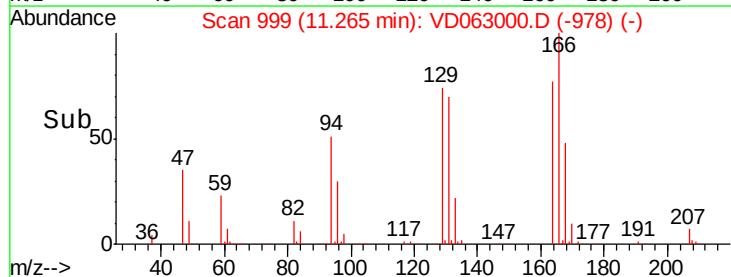
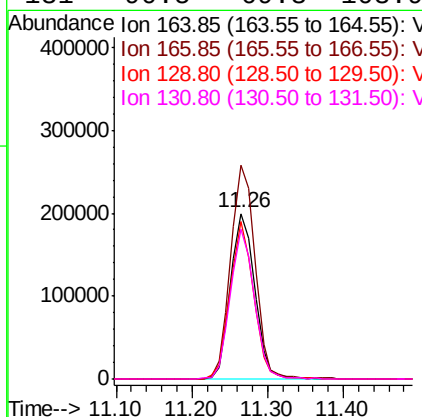
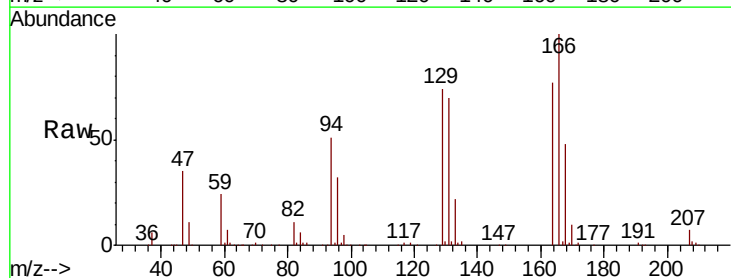
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

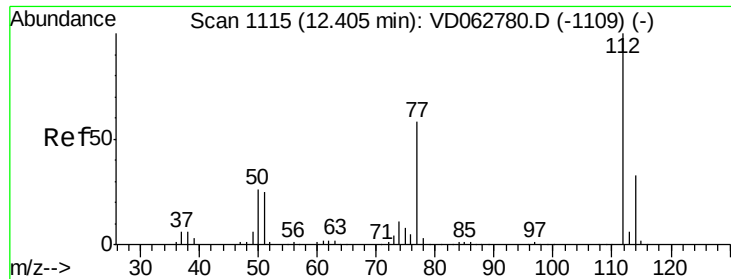
Tot Ion:117 Resp: 1105588
Ion Ratio Lower Upper
117 100
82 49.9 40.4 60.6
119 30.8 25.2 37.8



#64
Tetrachloroethene
Concen: 48.774 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion:164 Resp: 443805
Ion Ratio Lower Upper
164 100
166 129.3 100.6 150.8
129 95.5 69.4 104.0
131 90.5 69.3 103.9

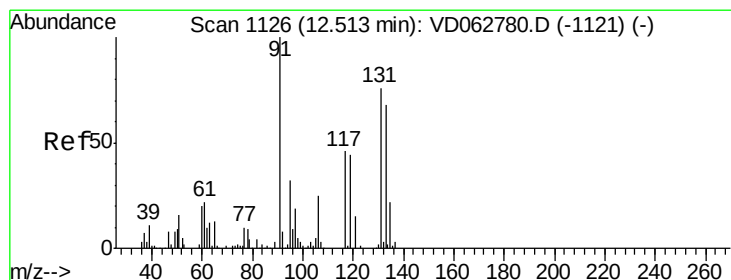
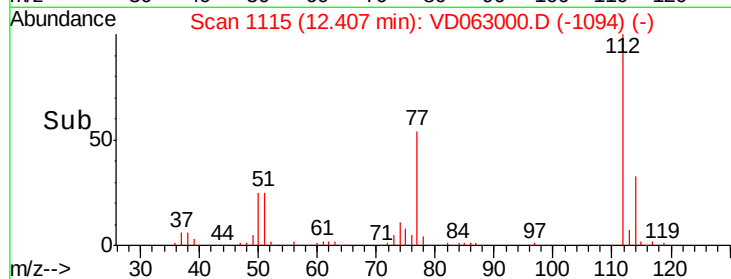
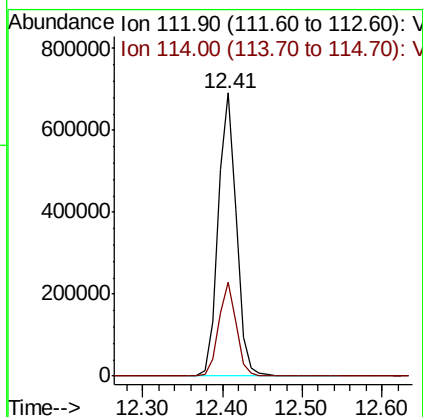
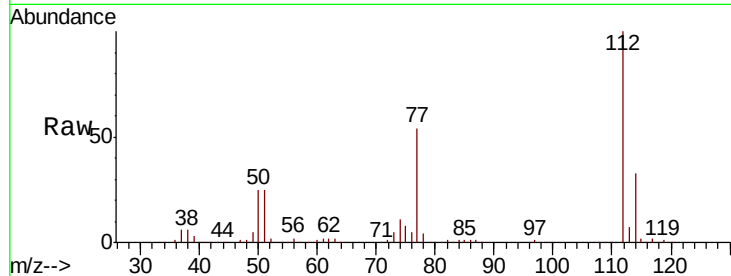




#65
Chlorobenzene
Concen: 54.184 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

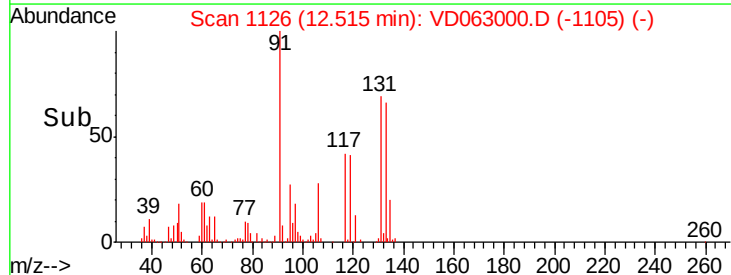
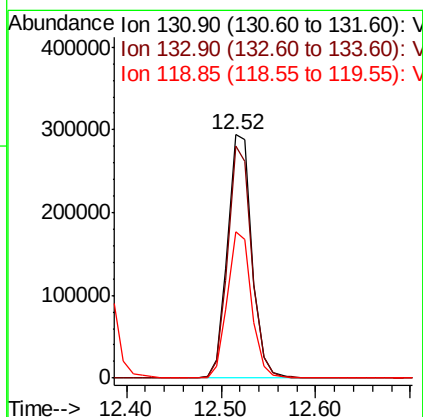
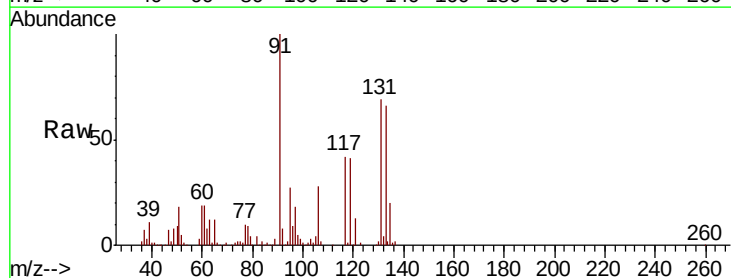
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

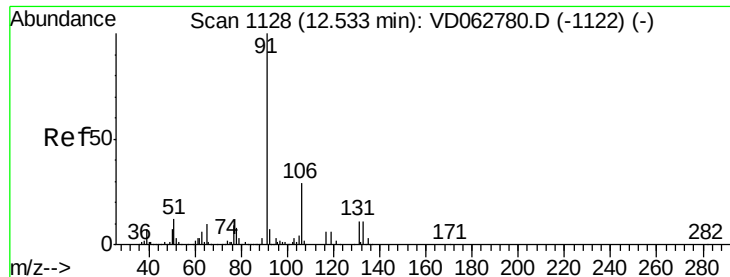
Tot Ion:112 Resp: 1111772
Ion Ratio Lower Upper
112 100
114 33.2 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 54.687 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion:131 Resp: 524753
Ion Ratio Lower Upper
131 100
133 95.5 44.5 133.3
119 60.1 28.6 85.9

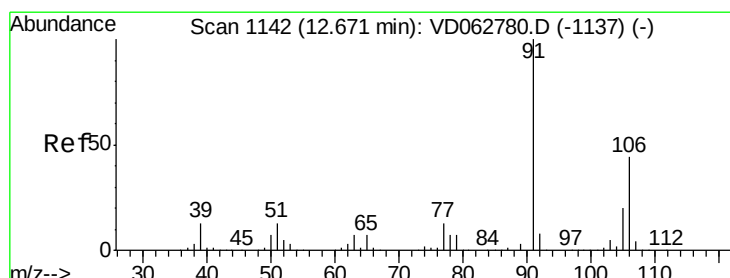
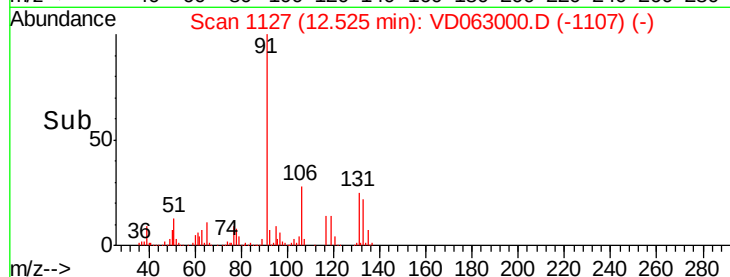
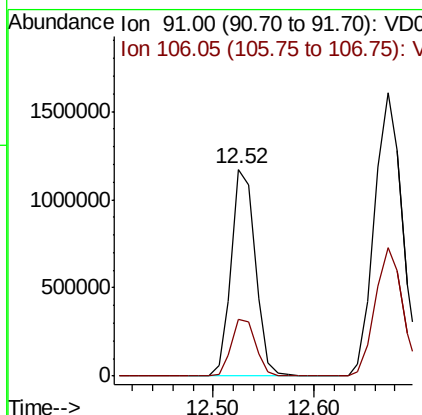
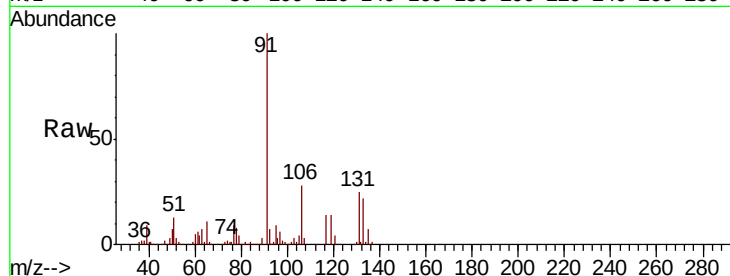




#67
Ethyl Benzene
Concen: 52.917 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

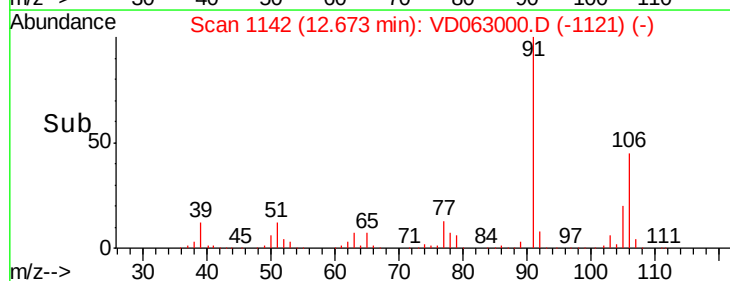
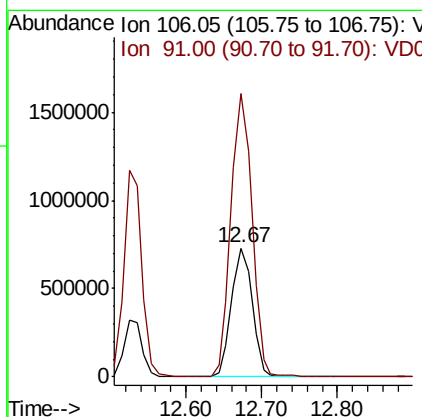
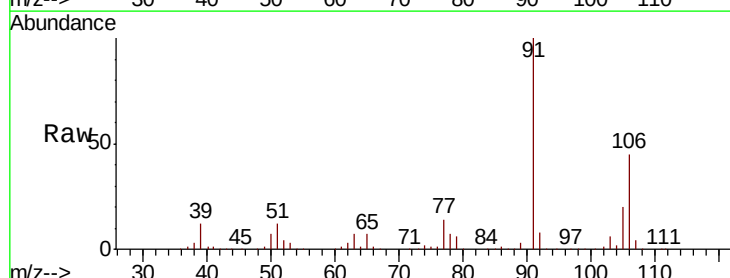
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

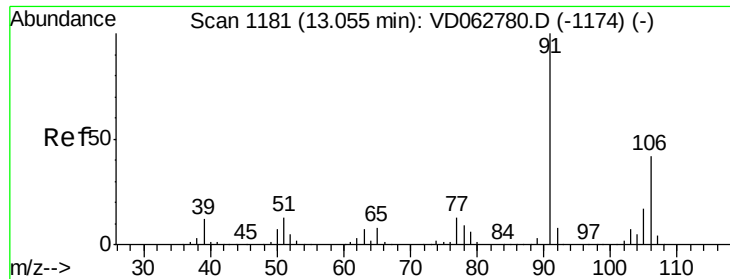
Tot Ion: 91 Resp: 1949388
Ion Ratio Lower Upper
91 100
106 27.6 23.1 34.7



#68
m/p-Xylenes
Concen: 108.183 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 106 Resp: 1388049
Ion Ratio Lower Upper
106 100
91 220.1 183.0 274.6

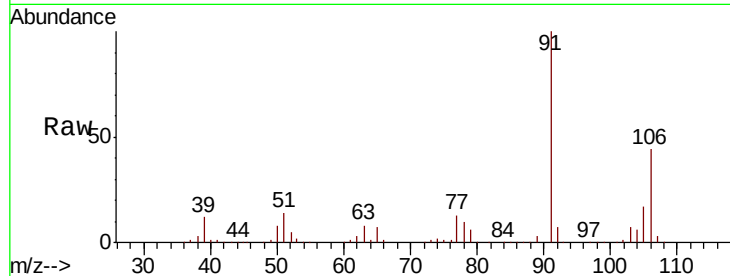




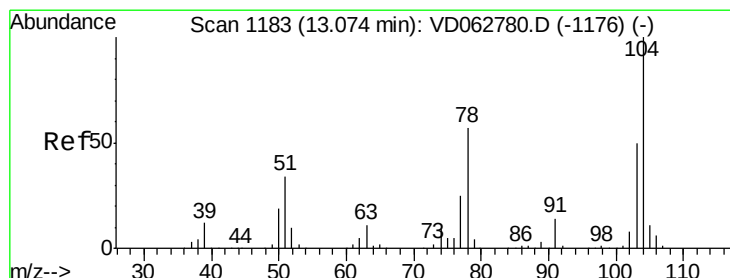
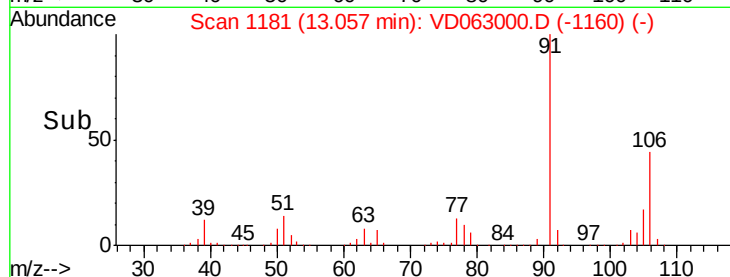
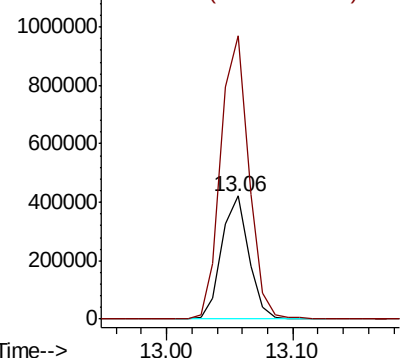
#69
o-Xylene
Concen: 53.418 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 626543
Ion Ratio Lower Upper
106 100
91 229.5 117.9 353.6

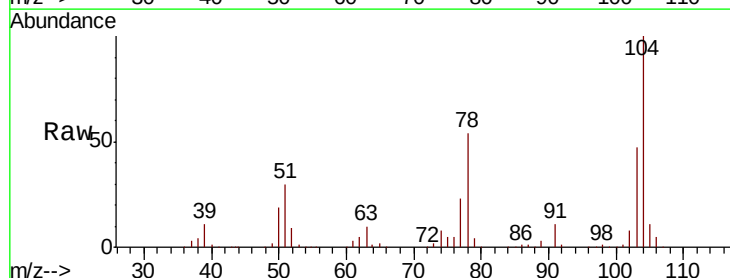


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

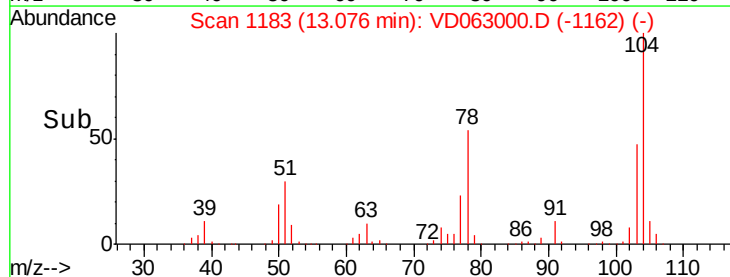
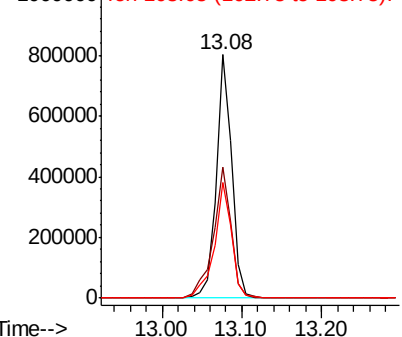


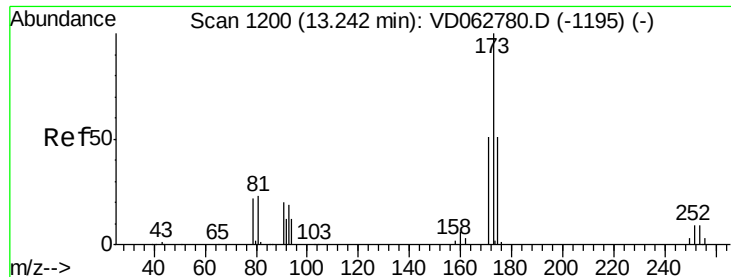
#70
Styrene
Concen: 53.198 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion:104 Resp: 1095966
Ion Ratio Lower Upper
104 100
78 53.8 45.4 68.2
103 47.3 39.7 59.5



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





#71

Bromoform

Concen: 54.885 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

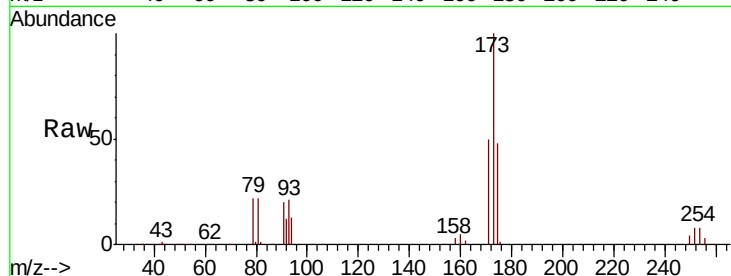
Tot Ion:173 Resp: 360834

Ion Ratio Lower Upper

173 100

175 48.4 25.3 75.9

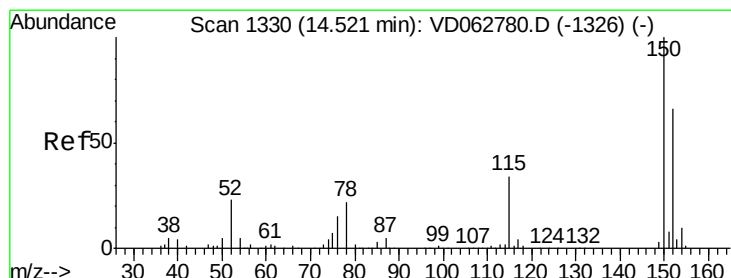
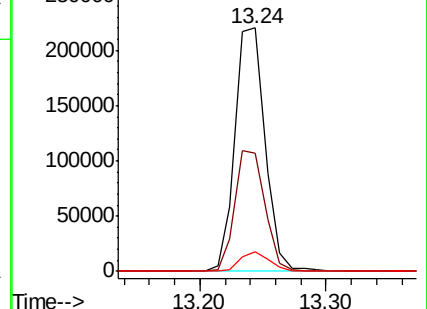
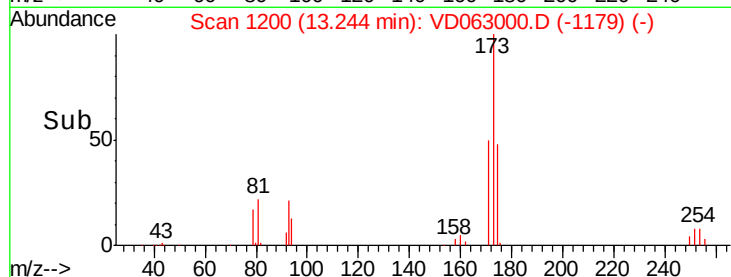
254 7.9 7.1 10.7



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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

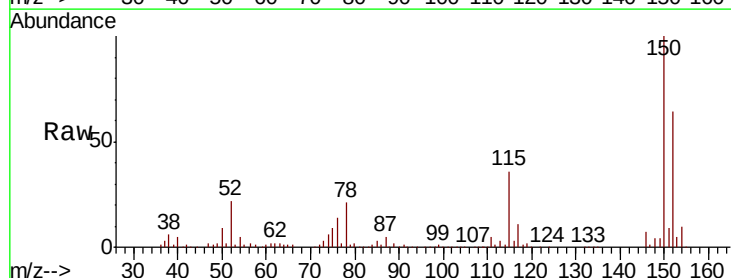
Tgt Ion:152 Resp: 569899

Ion Ratio Lower Upper

152 100

115 55.3 29.2 87.6

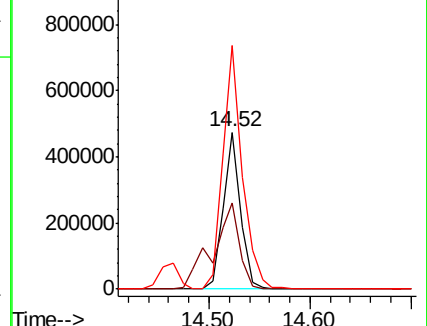
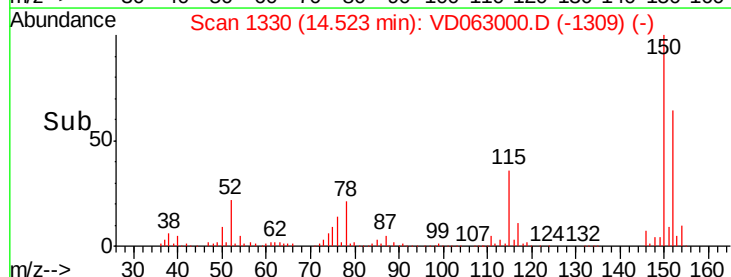
150 155.2 0.0 305.8

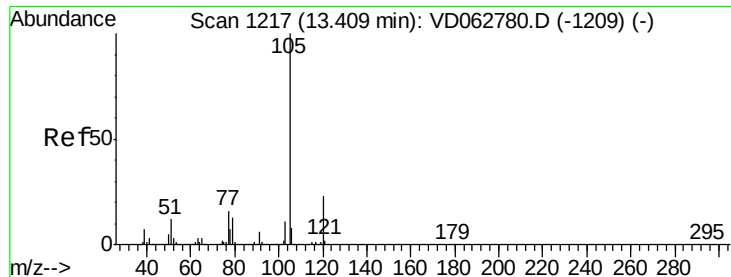


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.280 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

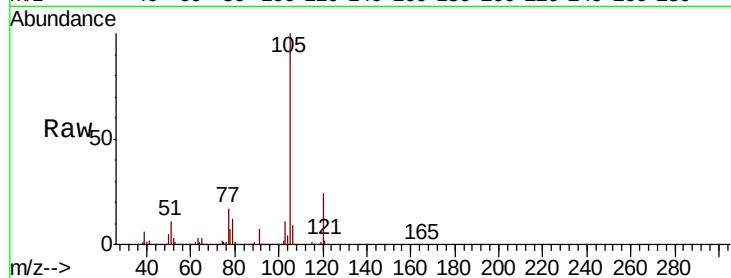
VSTDCCC050

Tot Ion:105 Resp: 1946881

Ion Ratio Lower Upper

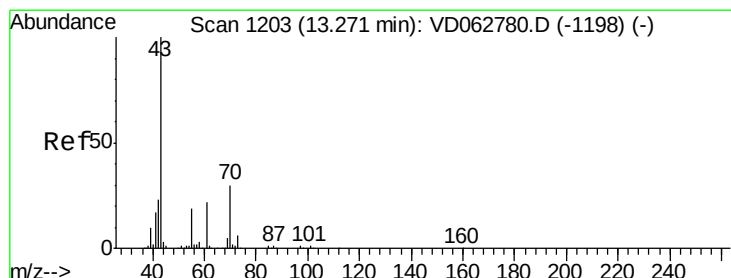
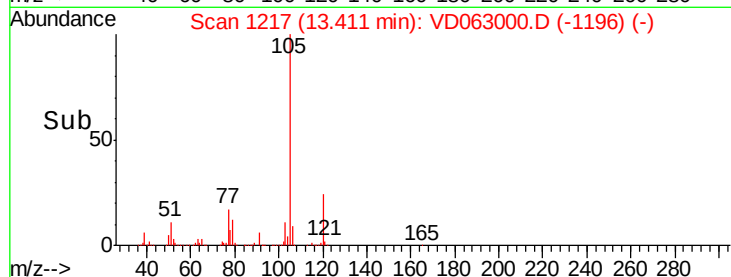
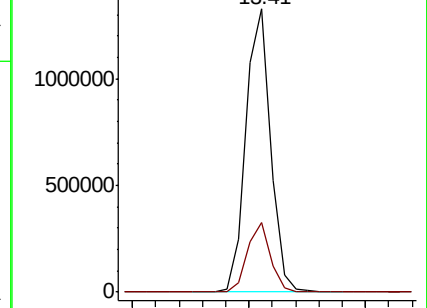
105 100

120 24.5 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 62.038 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Tgt Ion: 43 Resp: 550513

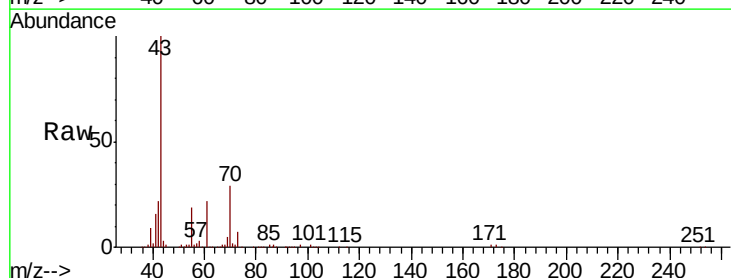
Ion Ratio Lower Upper

43 100

70 29.0 24.4 36.6

55 19.1 15.2 22.8

61 22.2 17.4 26.2

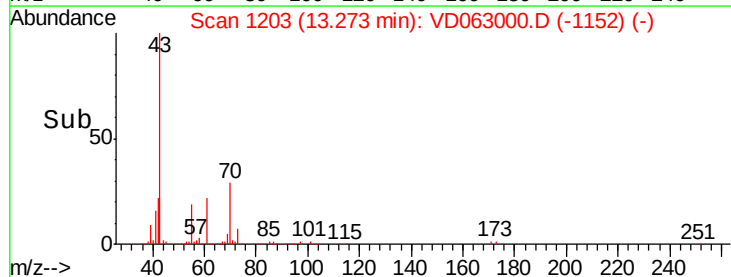
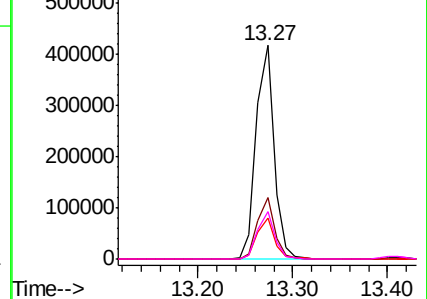


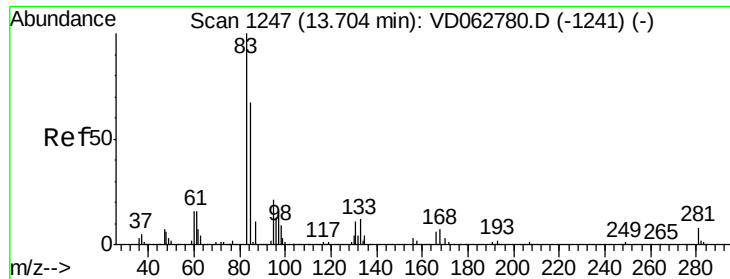
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 61.069 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

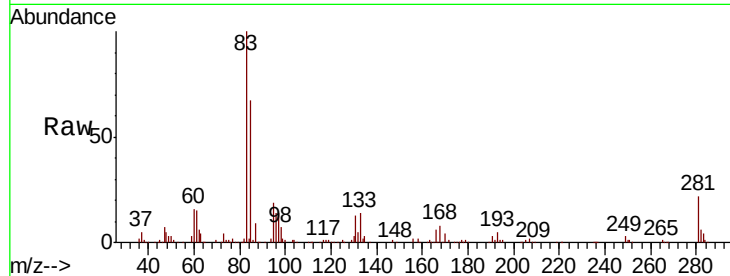
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 363588

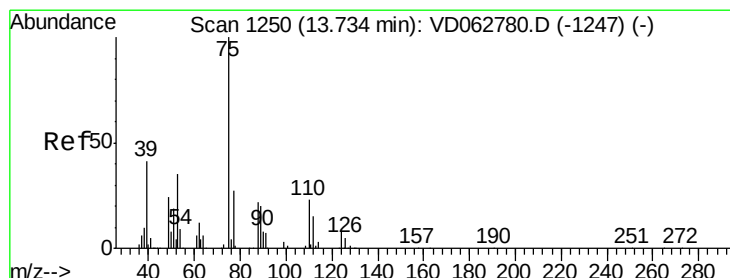
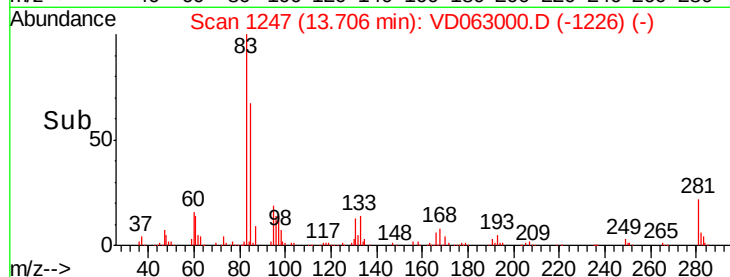
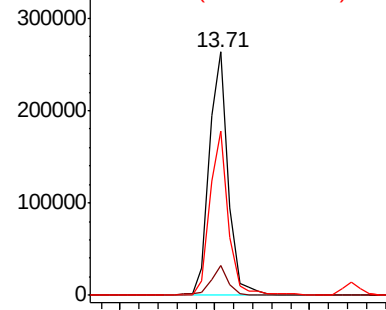
Ion	Ratio	Lower	Upper
83	100		
131	12.5	5.3	16.1
85	67.4	33.7	101.1



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: 57.811 ug/l

RT: 13.74 min Scan# 1250

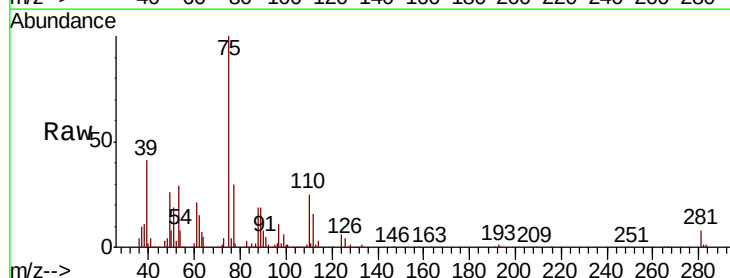
Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

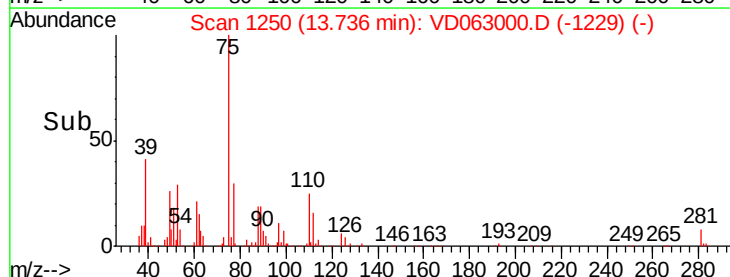
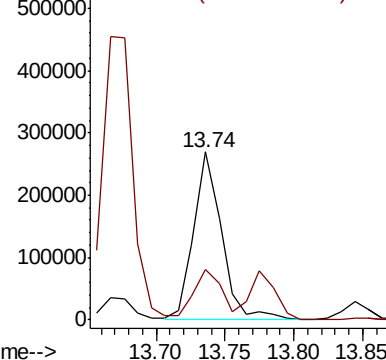
Tgt Ion: 75 Resp: 380342

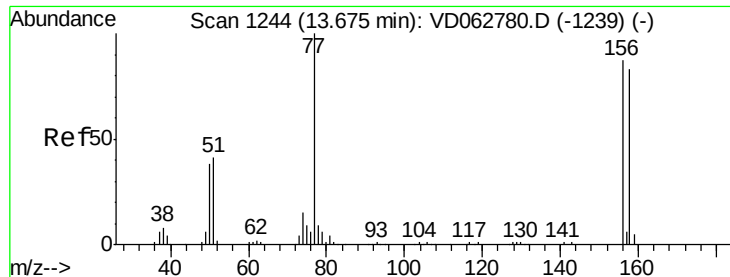
Ion	Ratio	Lower	Upper
75	100		
77	29.8	15.0	45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 55.967 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

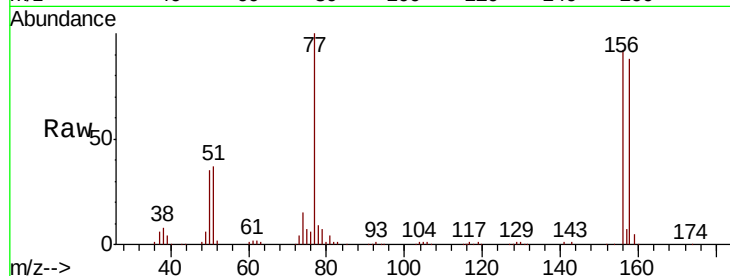
Tot Ion:156 Resp: 550072

Ion Ratio Lower Upper

156 100

77 108.6 57.7 173.1

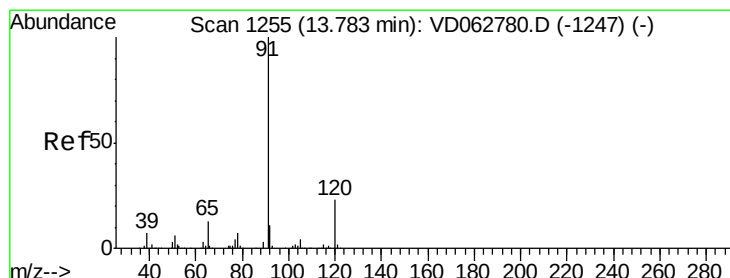
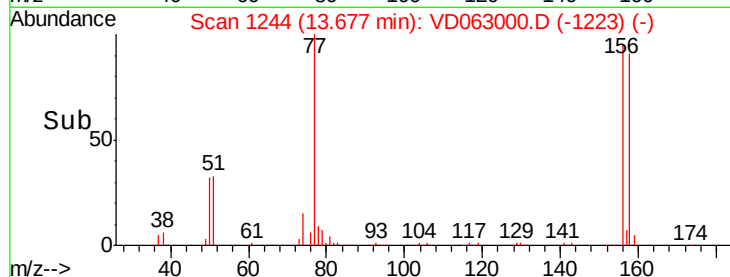
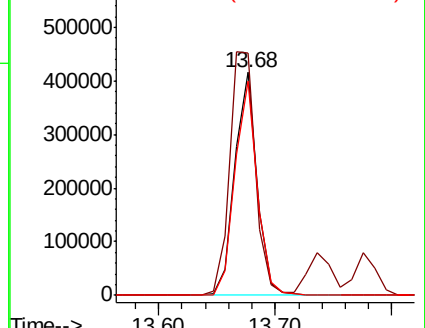
158 95.9 47.7 143.1



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: 54.079 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063000.D

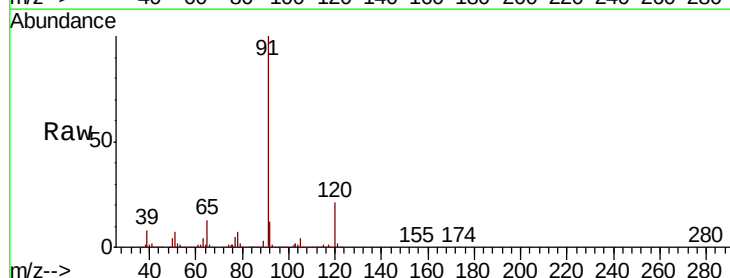
Acq: 2 Jul 2019 10:20

Tgt Ion: 91 Resp: 2300006

Ion Ratio Lower Upper

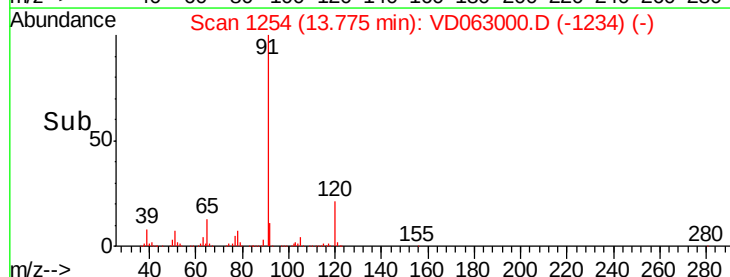
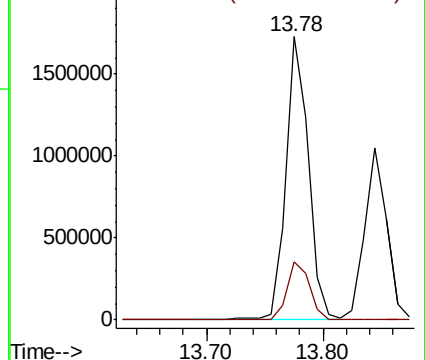
91 100

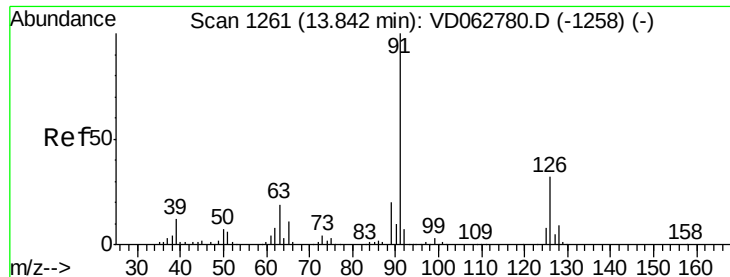
120 20.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 56.748 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

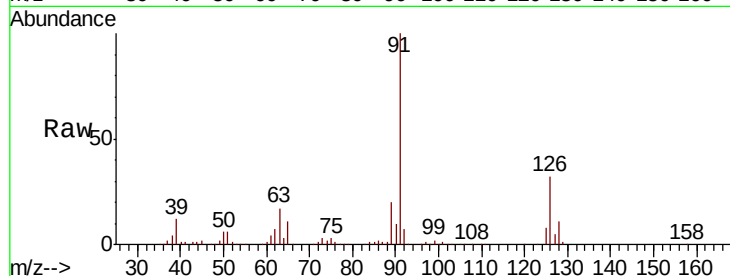
VSTDCCC050

Tot Ion: 91 Resp: 1379268

Ion Ratio Lower Upper

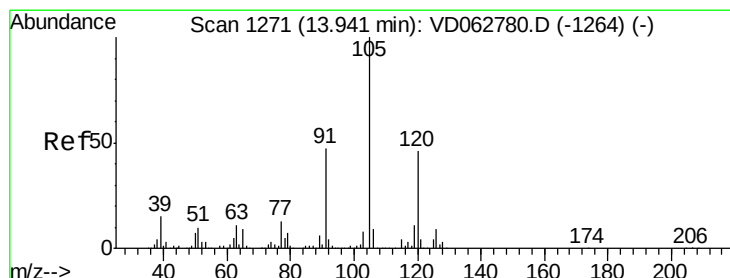
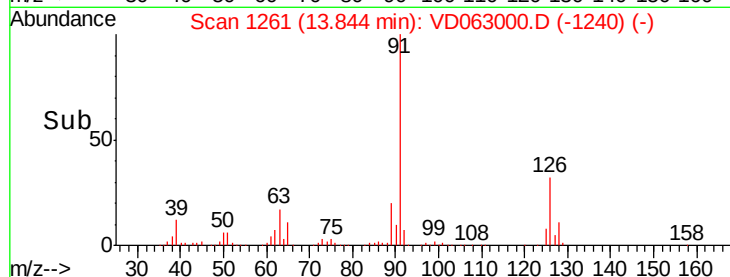
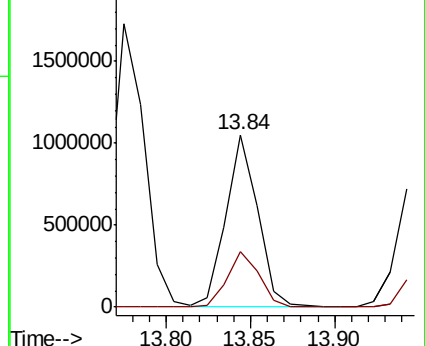
91 100

126 32.4 15.7 47.1



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: 54.778 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD063000.D

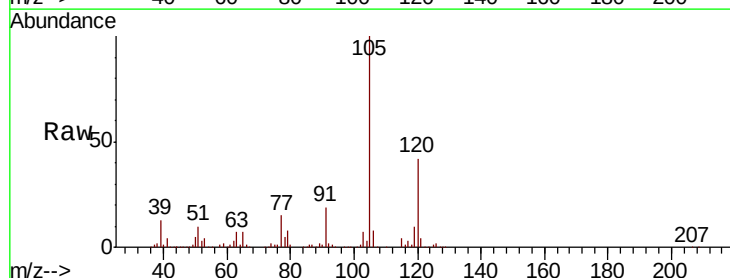
Acq: 2 Jul 2019 10:20

Tgt Ion:105 Resp: 1681289

Ion Ratio Lower Upper

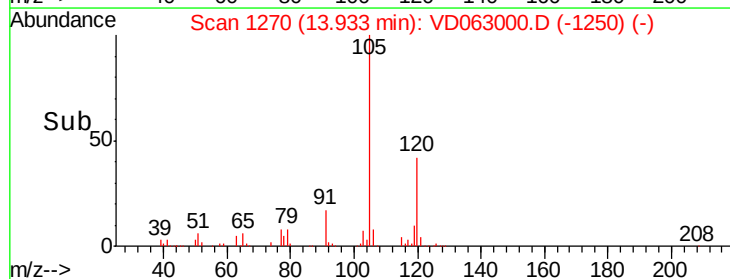
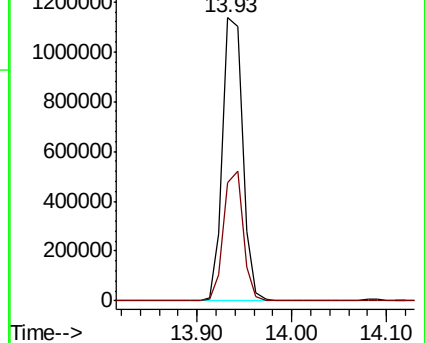
105 100

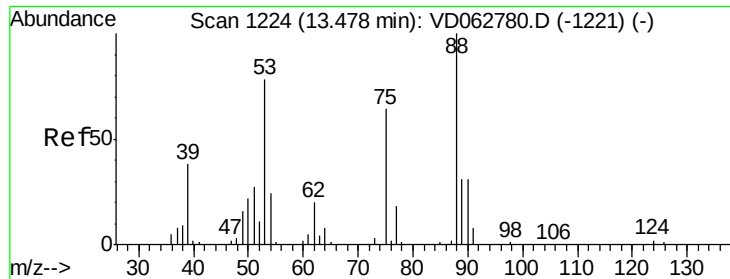
120 42.0 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

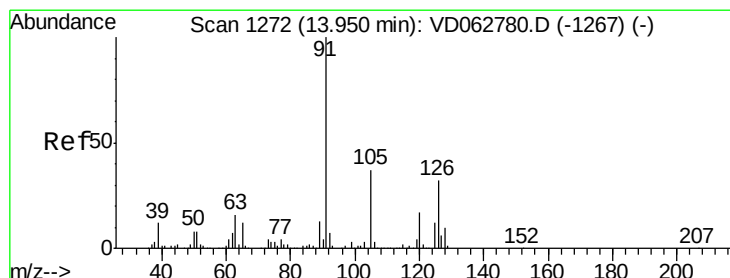
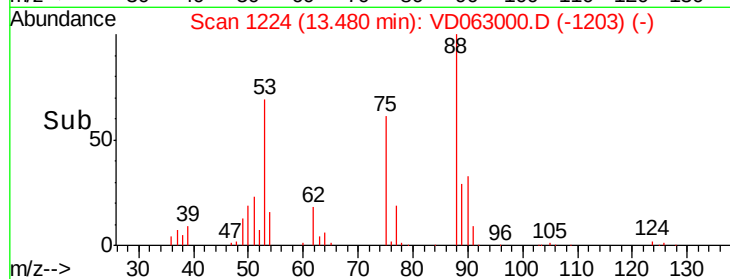
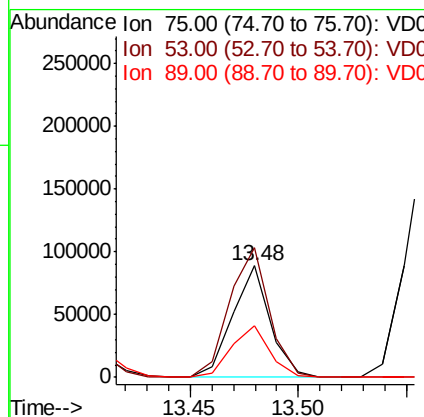
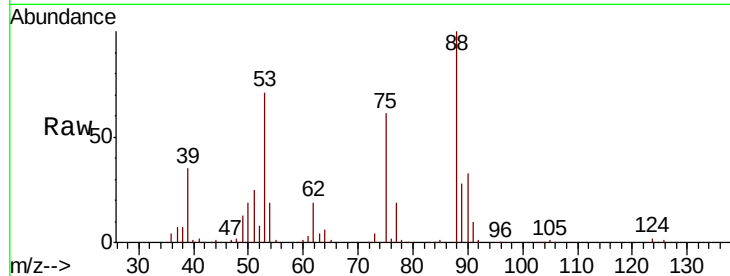




#81
trans-1,4-Dichloro-2-butene
Concen: 62.730 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

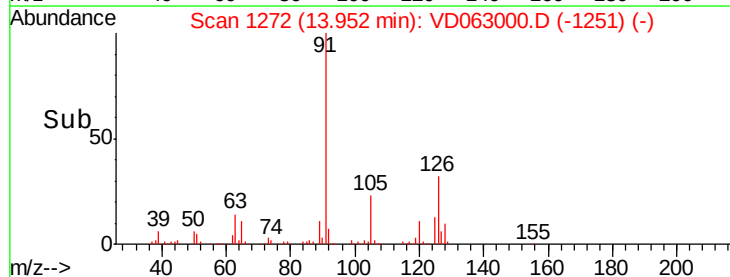
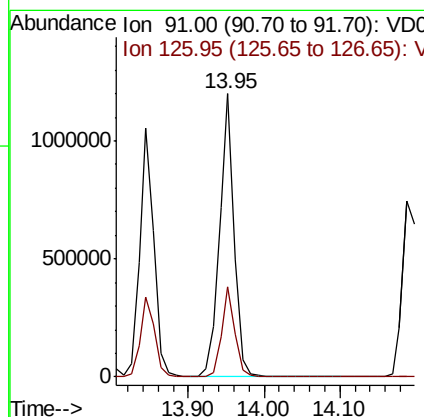
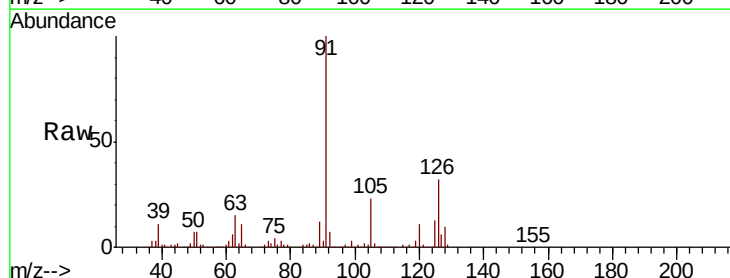
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

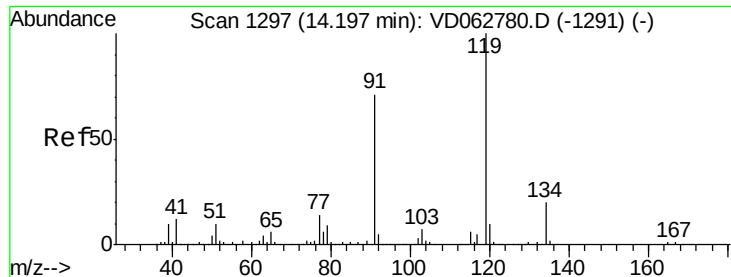
Tot Ion: 75 Resp: 108163
Ion Ratio Lower Upper
75 100
53 116.0 97.8 146.8
89 46.5 39.4 59.2



#82
4-Chlorotoluene
Concen: 55.805 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion: 91 Resp: 1632920
Ion Ratio Lower Upper
91 100
126 31.9 16.0 47.9

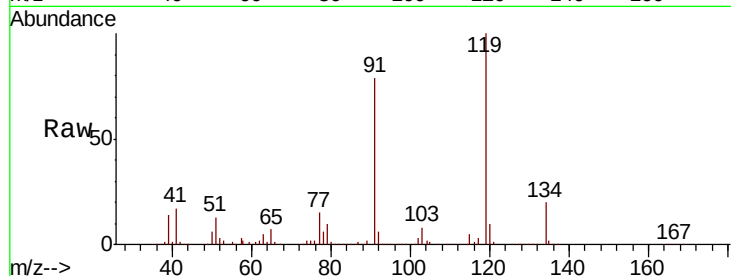




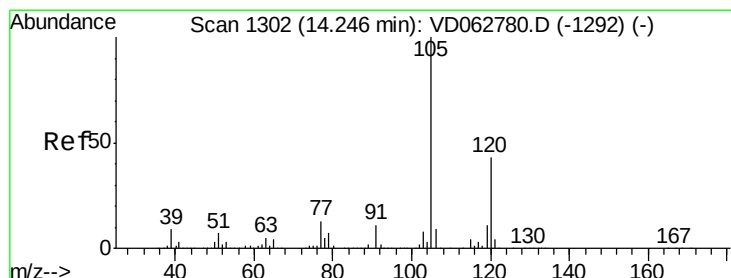
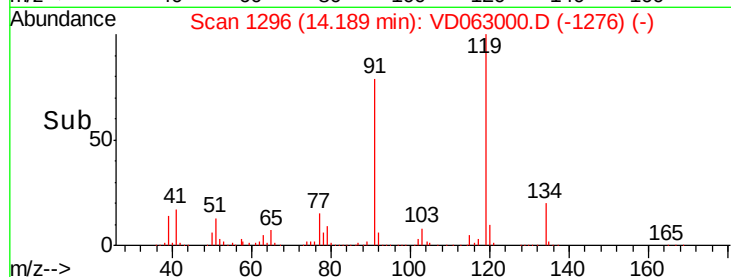
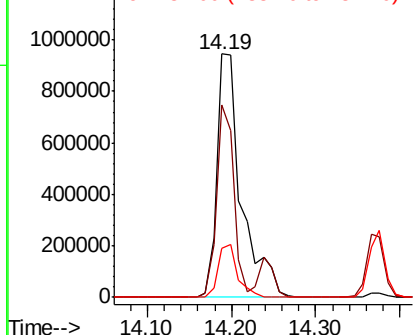
#83
tert-Butylbenzene
Concen: 55.938 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1913759
Ion Ratio Lower Upper
119 100
91 79.1 35.5 106.5
134 20.4 10.2 30.6

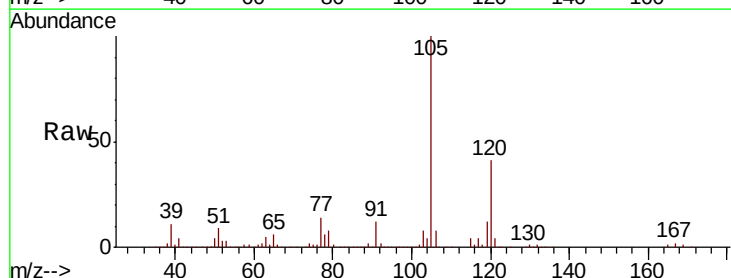


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

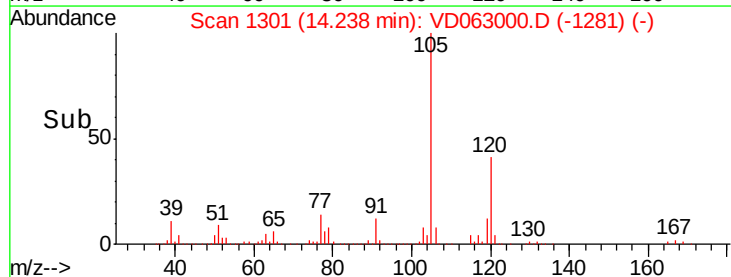
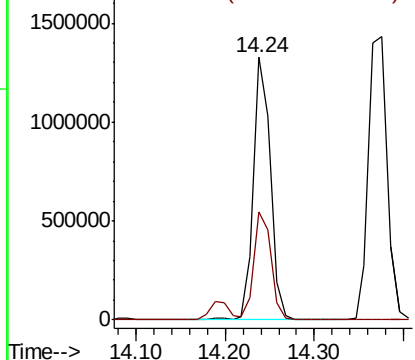


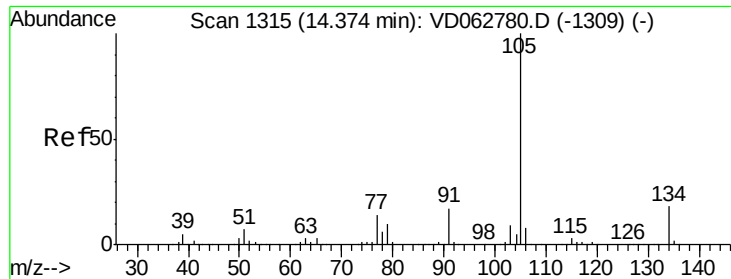
#84
1,2,4-Trimethylbenzene
Concen: 55.199 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD063000.D
Acq: 2 Jul 2019 10:20

Tgt Ion:105 Resp: 1736489
Ion Ratio Lower Upper
105 100
120 40.9 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 56.105 ug/l

RT: 14.38 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

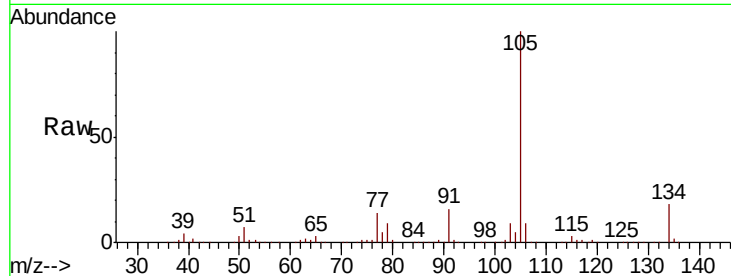
VSTDCCC050

Tot Ion:105 Resp: 2086209

Ion Ratio Lower Upper

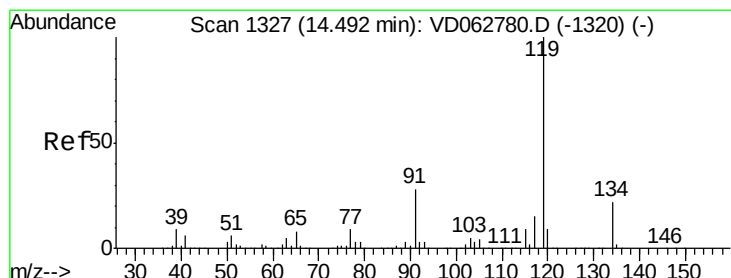
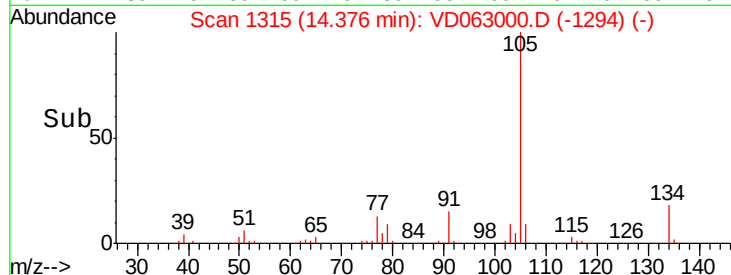
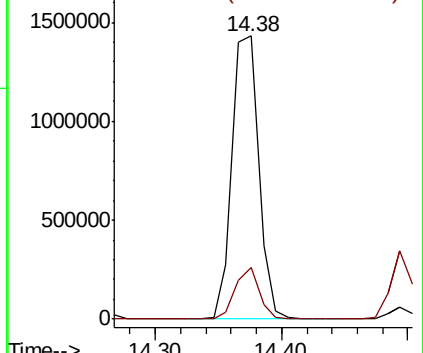
105 100

134 18.1 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 53.214 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

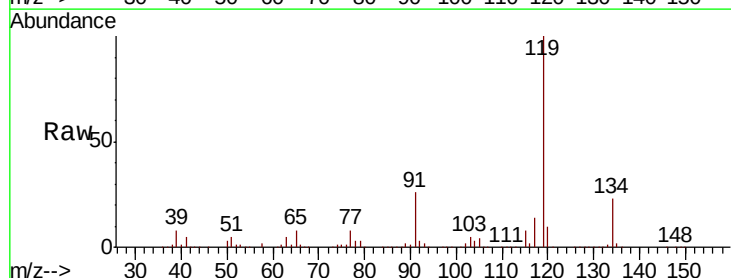
Tgt Ion:119 Resp: 1810208

Ion Ratio Lower Upper

119 100

134 22.9 11.1 33.1

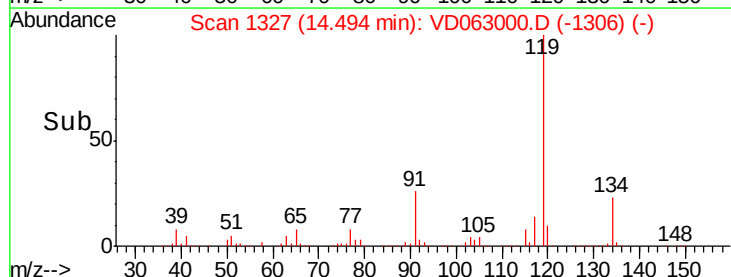
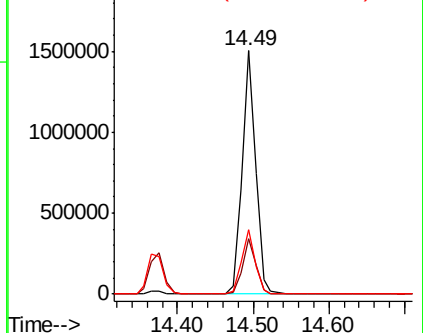
91 26.2 14.0 41.9

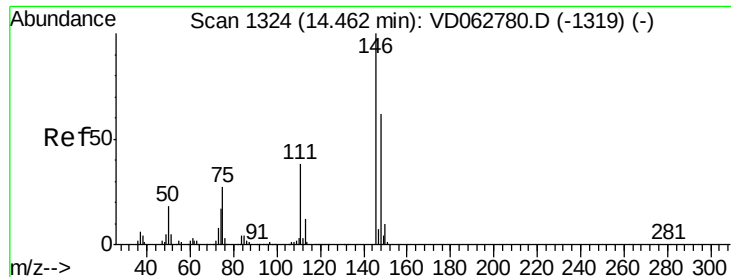


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

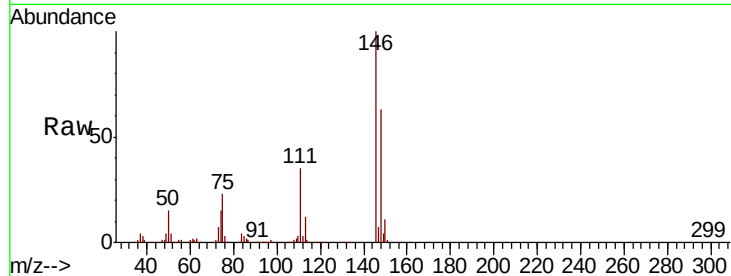




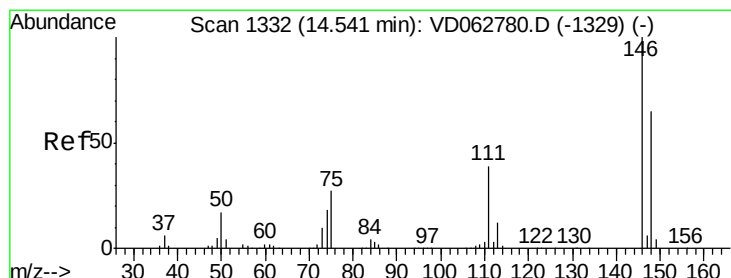
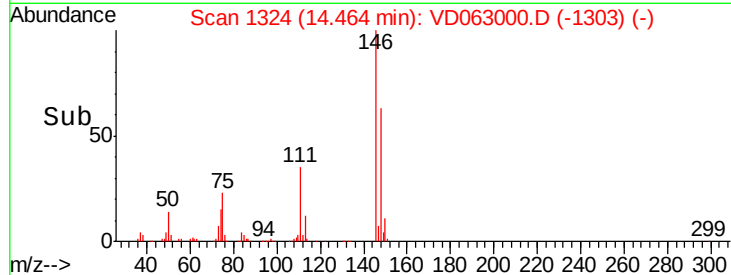
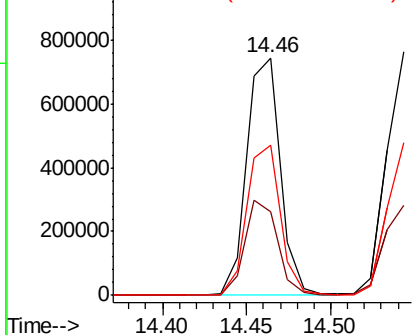
#87
 1,3-Dichlorobenzene
 Concen: 58.628 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1032916
 Ion Ratio Lower Upper
 146 100
 111 35.0 19.0 57.0
 148 63.0 30.8 92.3

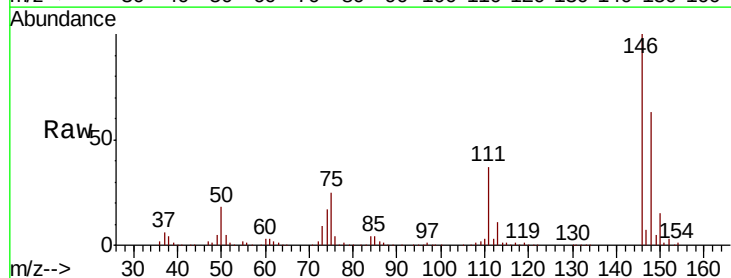


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

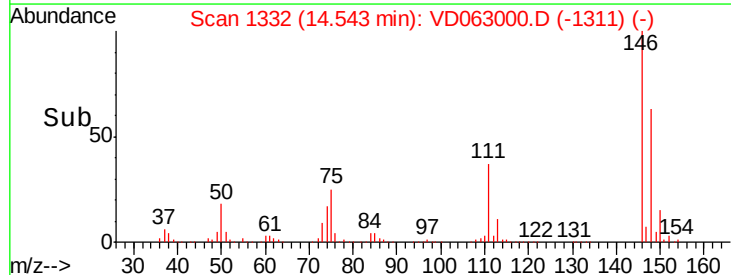
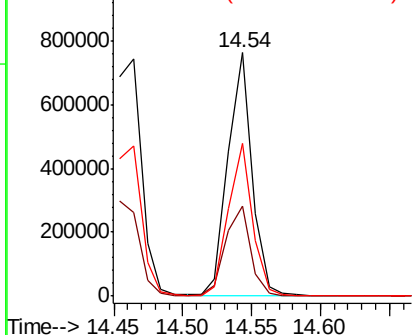


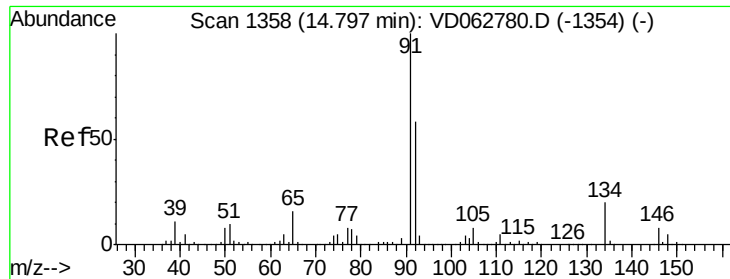
#88
 1,4-Dichlorobenzene
 Concen: 52.485 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion:146 Resp: 928760
 Ion Ratio Lower Upper
 146 100
 111 36.8 19.7 59.1
 148 62.6 32.8 98.3



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





#89

n-Butylbenzene

Concen: 54.255 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

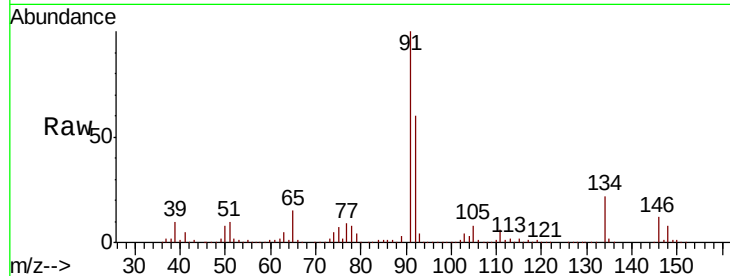
Tot Ion: 91 Resp: 1727431

Ion Ratio Lower Upper

91 100

92 60.4 28.9 86.7

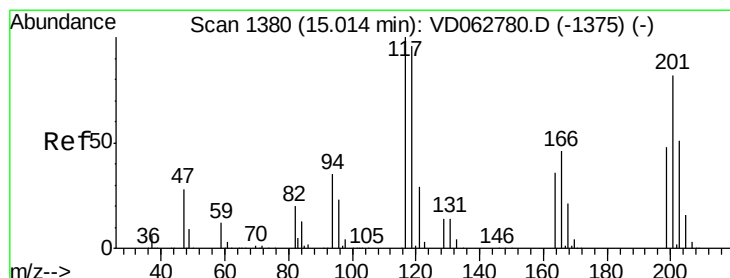
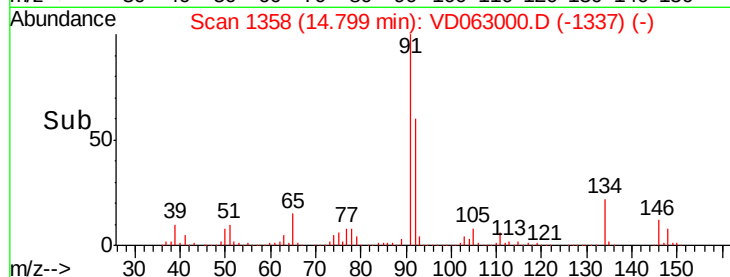
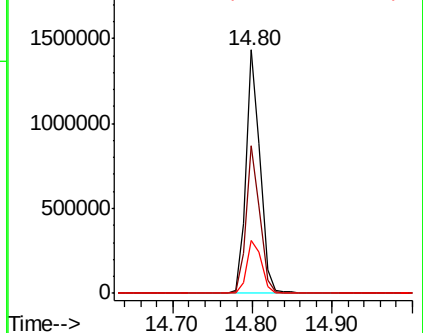
134 21.5 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 58.842 ug/l

RT: 15.02 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD063000.D

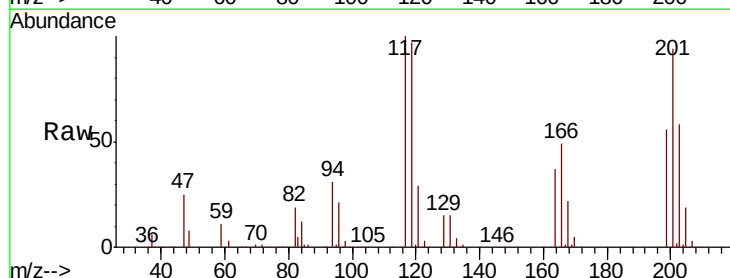
Acq: 2 Jul 2019 10:20

Tgt Ion: 117 Resp: 538179

Ion Ratio Lower Upper

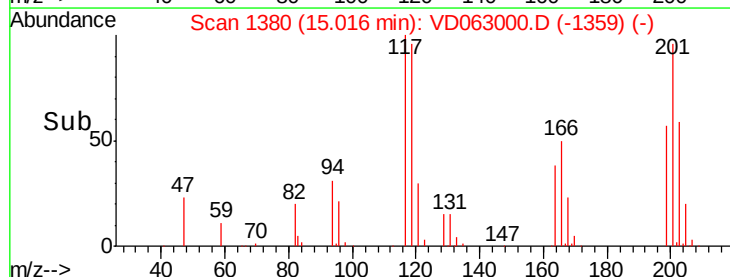
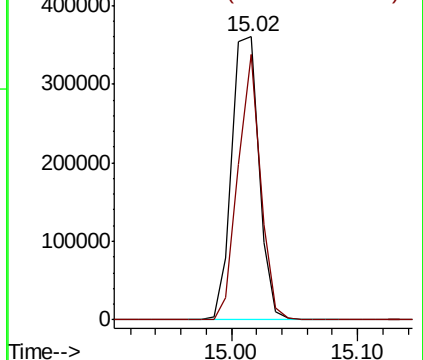
117 100

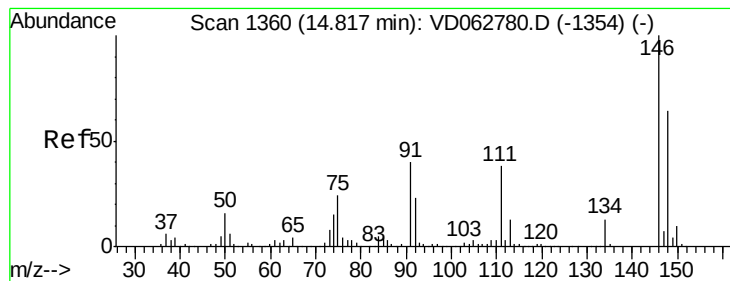
201 93.7 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 53.166 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

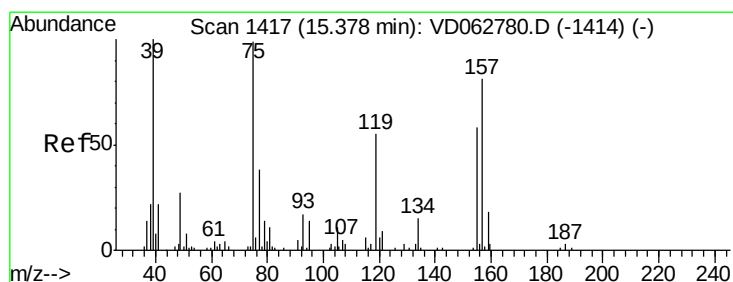
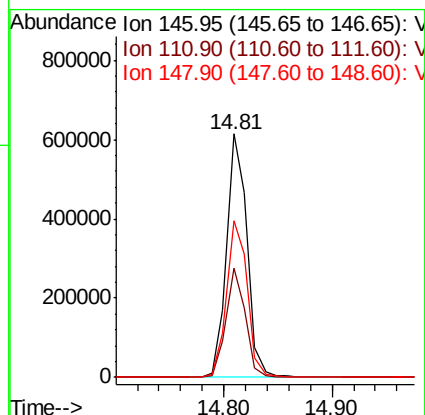
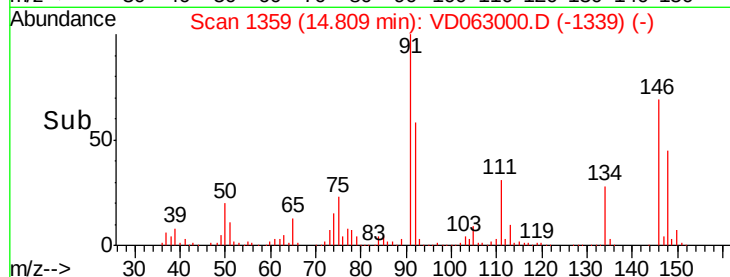
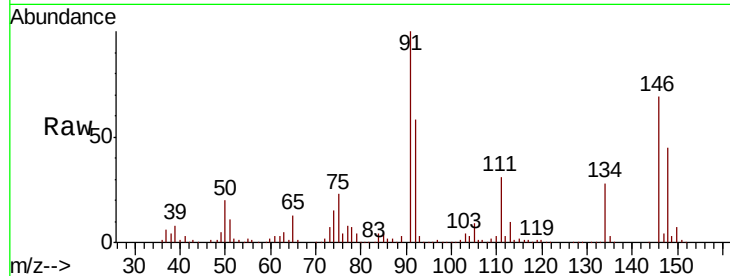
Tot Ion:146 Resp: 801416

Ion Ratio Lower Upper

146 100

111 44.8 19.1 57.1

148 64.4 32.3 96.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.989 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

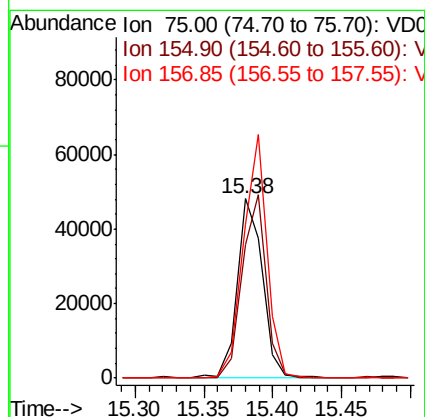
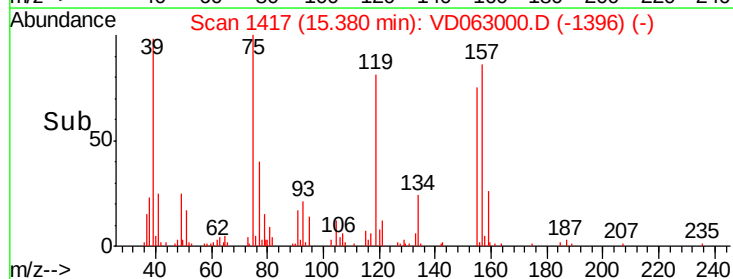
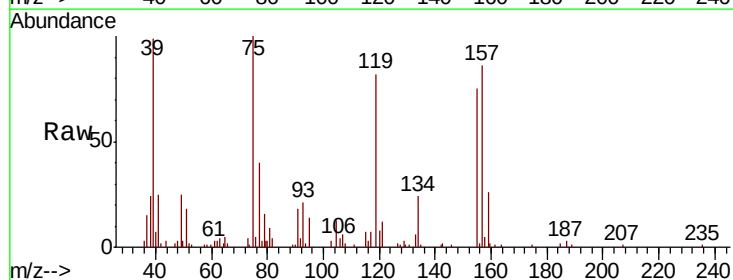
Tgt Ion: 75 Resp: 61576

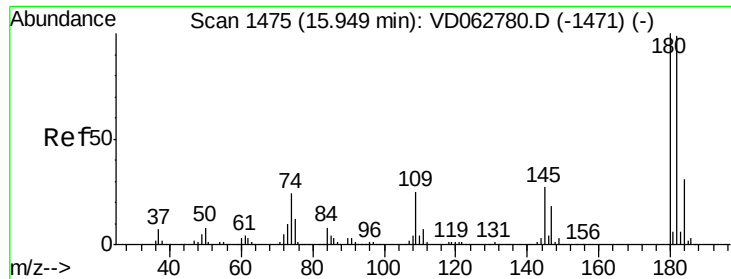
Ion Ratio Lower Upper

75 100

155 74.6 29.3 87.8

157 86.3 41.3 123.7

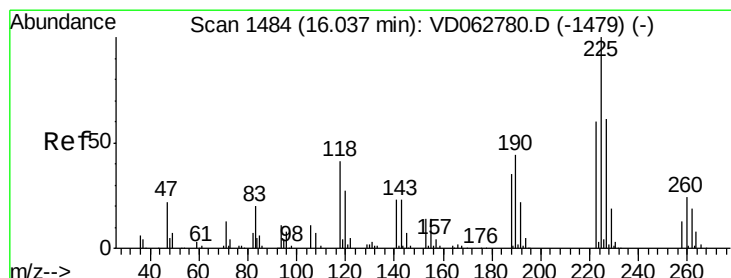
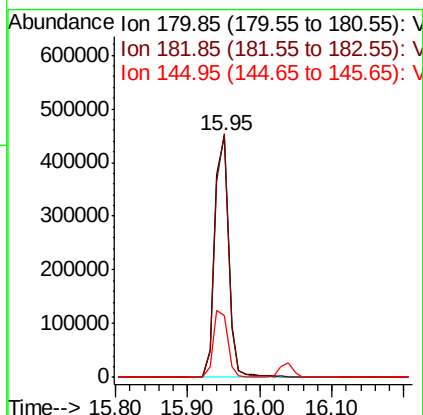
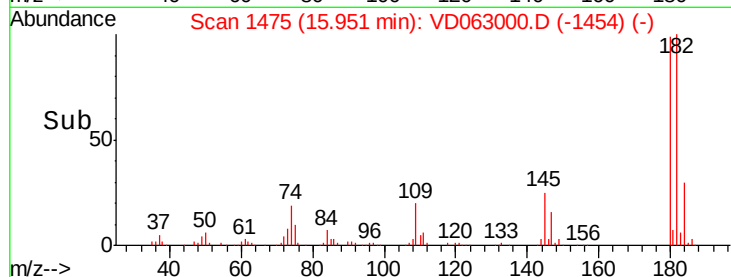
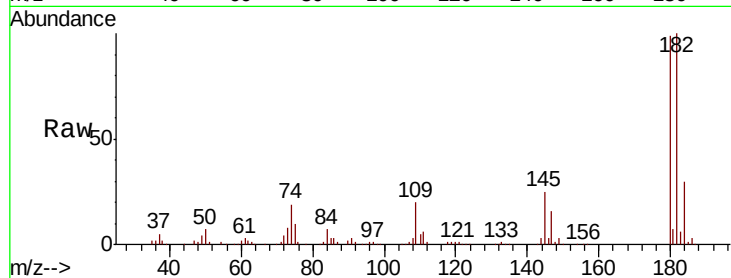




#93
 1,2,4-Trichlorobenzene
 Concen: 50.941 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

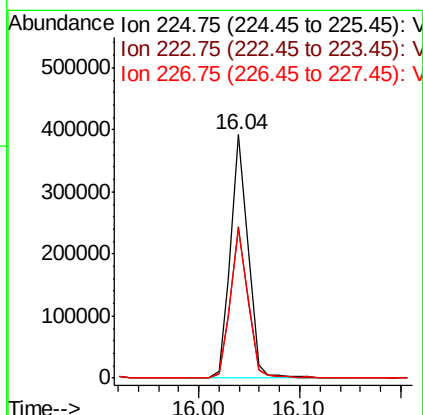
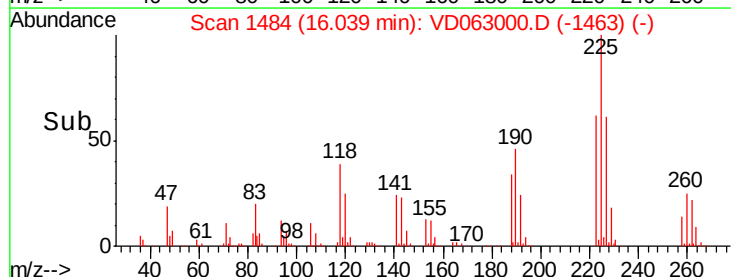
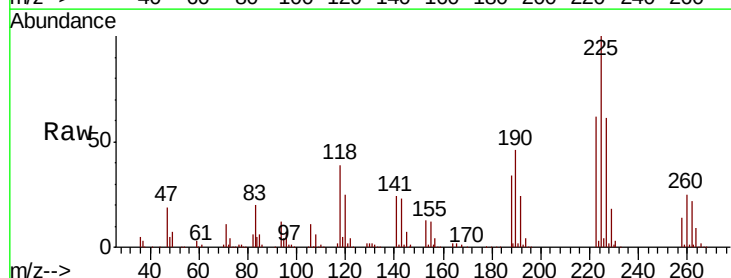
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

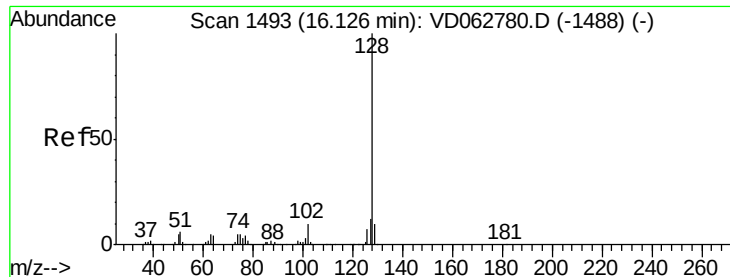
Tot Ion:180 Resp: 599834
 Ion Ratio Lower Upper
 180 100
 182 101.0 49.5 148.5
 145 25.5 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 52.876 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063000.D
 Acq: 2 Jul 2019 10:20

Tgt Ion:225 Resp: 475649
 Ion Ratio Lower Upper
 225 100
 223 62.0 29.8 89.5
 227 61.3 30.6 91.6





#95

Naphthalene

Concen: 54.390 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

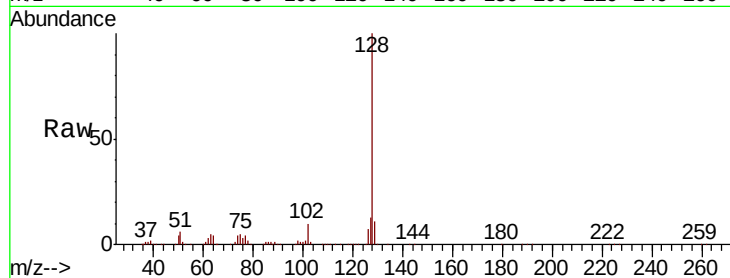
Tot Ion:128 Resp: 897653

Ion Ratio Lower Upper

128 100

127 13.0 9.7 14.5

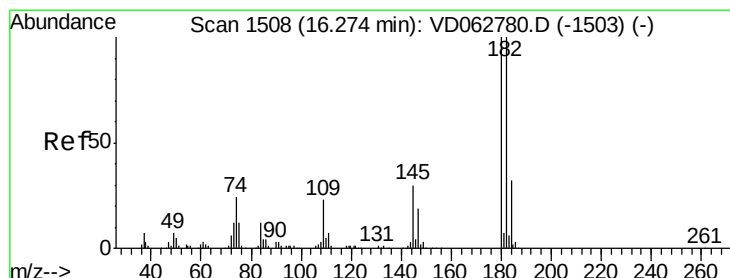
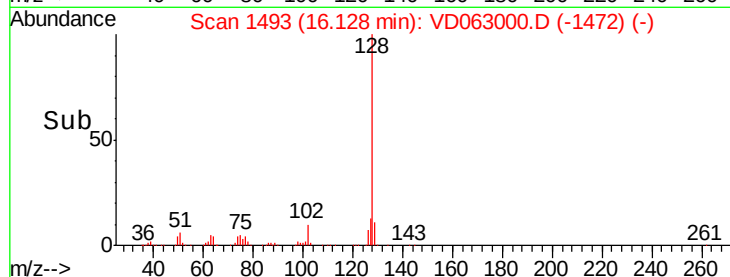
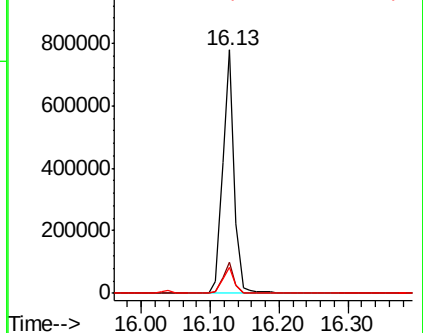
129 10.6 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.459 ug/l

RT: 16.28 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD063000.D

Acq: 2 Jul 2019 10:20

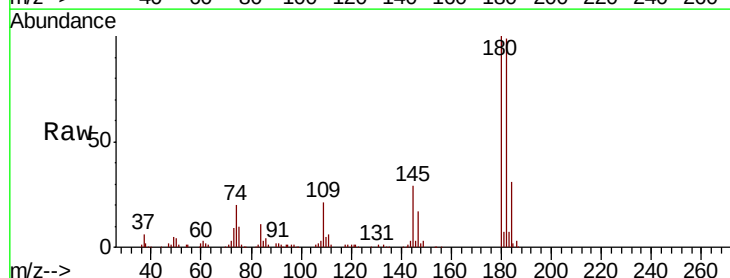
Tgt Ion:180 Resp: 501752

Ion Ratio Lower Upper

180 100

182 98.9 49.9 149.6

145 29.3 15.2 45.5



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

