

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062855.D
 Acq On : 24 Jun 2019 23:48
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 25 05:06:36 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	986275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1387567	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1175741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	643825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	572880	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
35) Dibromofluoromethane	6.94	113	586233	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.41	98	1287404	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	13.56	95	582313	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	536984	42.074	ug/l	98
3) Chloromethane	1.76	50	419475	43.702	ug/l	92
4) Vinyl Chloride	1.85	62	437998	46.024	ug/l	100
5) Bromomethane	2.15	94	193134	43.334	ug/l	97
6) Chloroethane	2.27	64	201854	46.849	ug/l	91
7) Trichlorofluoromethane	2.54	101	831735	43.185	ug/l	98
8) Diethyl Ether	2.87	74	144790	59.167	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	530662	50.858	ug/l	97
10) Methyl Iodide	3.31	142	728274	52.905	ug/l	97
11) Tert butyl alcohol	4.09	59	144758	296.472	ug/l #	90
12) 1,1-Dichloroethene	3.13	96	377864	48.275	ug/l	93
13) Acrolein	3.04	56	117541	235.806	ug/l	98
14) Allyl chloride	3.63	41	630081	54.478	ug/l	93
15) Acrylonitrile	4.20	53	352248	307.024	ug/l #	92
16) Acetone	3.23	43	570938	262.977	ug/l	100
17) Carbon Disulfide	3.37	76	1181005	47.210	ug/l #	94
18) Methyl Acetate	3.65	43	199867	61.758	ug/l	93
19) Methyl tert-butyl Ether	4.25	73	1000624	59.052	ug/l	97
20) Methylene Chloride	3.82	84	403916	49.402	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	444623	53.348	ug/l	92
22) Diisopropyl ether	5.14	45	1386435	58.945	ug/l	99
23) Vinyl Acetate	5.08	43	4277194	290.609	ug/l	99
24) 1,1-Dichloroethane	4.99	63	814907	53.213	ug/l	99
25) 2-Butanone	6.08	43	632239	315.317	ug/l	93
26) 2,2-Dichloropropane	6.03	77	751790	46.315	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	477025	54.124	ug/l	97
28) Bromochloromethane	6.45	49	285841	52.997	ug/l	98
29) Tetrahydrofuran	6.48	42	306371	322.943	ug/l	98
30) Chloroform	6.67	83	971017	52.138	ug/l	96
31) Cyclohexane	6.97	56	538863	53.525	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	944872	48.709	ug/l	95
36) 1,1-Dichloropropene	7.15	75	608203	46.303	ug/l	90
37) Ethyl Acetate	6.20	43	287344	52.123	ug/l	99
38) Carbon Tetrachloride	7.13	117	1053810	53.344	ug/l	99

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 VSTDCCC050

Quant Time: Jun 25 05:06:36 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)
39) Methylcyclohexane	8.87	83	586300	50.708	ug/l	99
40) Benzene	7.47	78	1381920	52.412	ug/l	95
41) Methacrylonitrile	6.47	41	389489	56.227	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	768858	53.454	ug/l	98
43) Isopropyl Acetate	9.25	43	408370	59.301	ug/l #	97
44) Trichloroethene	8.54	130	524603	50.751	ug/l	92
45) 1,2-Dichloropropane	8.95	63	341600	52.103	ug/l	99
46) Dibromomethane	9.07	93	303889	53.959	ug/l	90
47) Bromodichloromethane	9.39	83	770192	52.657	ug/l	99
48) Methyl methacrylate	9.13	41	283736	57.980	ug/l	98
49) 1,4-Dioxane	9.09	88	49736	1221.604	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	1376562	281.943	ug/l	99
52) Toluene	10.52	92	916985	51.738	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	641648	53.597	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	658468	50.604	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	312418	51.307	ug/l	97
56) Ethyl methacrylate	11.05	69	376594	57.871	ug/l	96
57) 1,3-Dichloropropane	11.42	76	504702	54.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	955733	286.078	ug/l	99
59) 2-Hexanone	11.55	43	1020300	293.426	ug/l	98
60) Dibromochloromethane	11.69	129	617228	54.420	ug/l	96
61) 1,2-Dibromoethane	11.81	107	391300	54.411	ug/l	96
64) Tetrachloroethene	11.27	164	509904	52.694	ug/l	96
65) Chlorobenzene	12.40	112	1160078	53.165	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	527312	51.674	ug/l	91
67) Ethyl Benzene	12.53	91	1896394	48.407	ug/l	98
68) m/p-Xylenes	12.68	106	1378215	101.007	ug/l	95
69) o-Xylene	13.05	106	642395	51.501	ug/l	98
70) Styrene	13.08	104	1151069	52.539	ug/l	92
71) Bromoform	13.24	173	384757	55.032	ug/l #	92
73) Isopropylbenzene	13.41	105	2037427	49.355	ug/l	99
74) N-amyl acetate	13.27	43	560213	55.882	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	375624	55.846	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	365717	49.205	ug/l	97
77) Bromobenzene	13.67	156	569694	51.308	ug/l	95
78) n-propylbenzene	13.78	91	2277092	47.393	ug/l	99
79) 2-Chlorotoluene	13.85	91	1403227	51.104	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	1681532	48.495	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	105545	54.183	ug/l	91
82) 4-Chlorotoluene	13.95	91	1574570	47.632	ug/l	94
83) tert-Butylbenzene	14.19	119	1936316	50.099	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1631308	45.901	ug/l	99
85) sec-Butylbenzene	14.37	105	1902681	45.294	ug/l	97
86) p-Isopropyltoluene	14.50	119	1946006	50.638	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	1004130	50.450	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	988645	49.454	ug/l	97
89) n-Butylbenzene	14.80	91	1700196	47.269	ug/l	95
90) Hexachloroethane	15.01	117	483256	46.770	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	895060	52.561	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	76344	58.154	ug/l	63

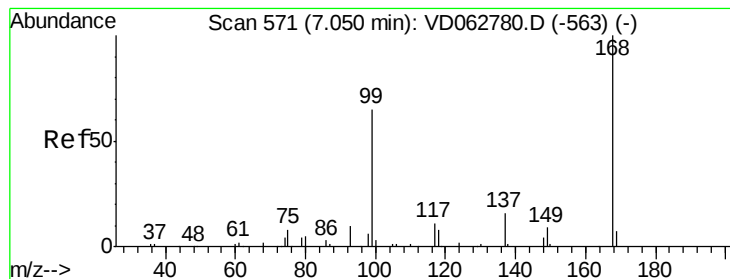
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
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QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	662078	49.771	ug/l	98
94) Hexachlorobutadiene	16.04	225	488976	48.116	ug/l	95
95) Naphthalene	16.12	128	1111192	59.598	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	560977	54.886	ug/l	95

(#) = 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: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

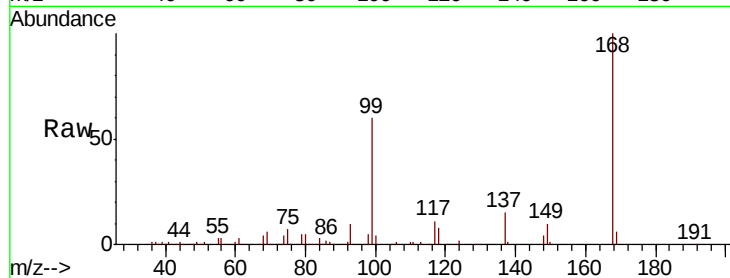
VSTDCCC050

Tot Ion:168 Resp: 986275

Ion Ratio Lower Upper

168 100

99 60.5 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

400000

300000

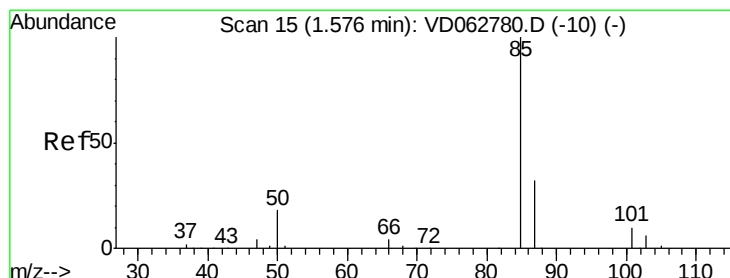
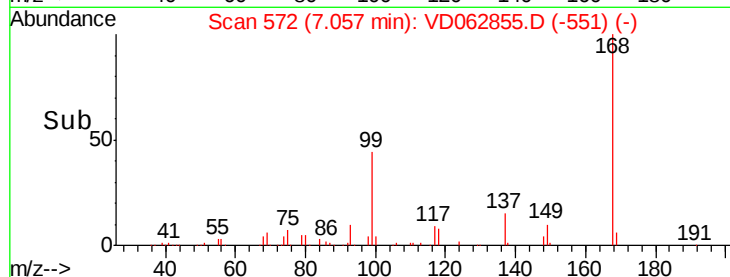
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 42.074 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062855.D

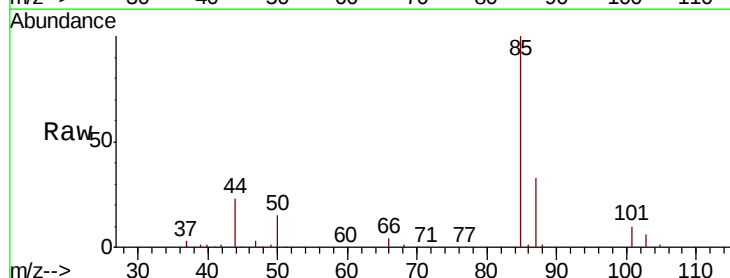
Acq: 24 Jun 2019 23:48

Tgt Ion: 85 Resp: 536984

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

200000

150000

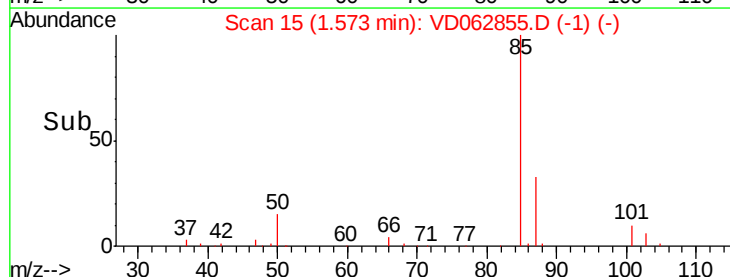
100000

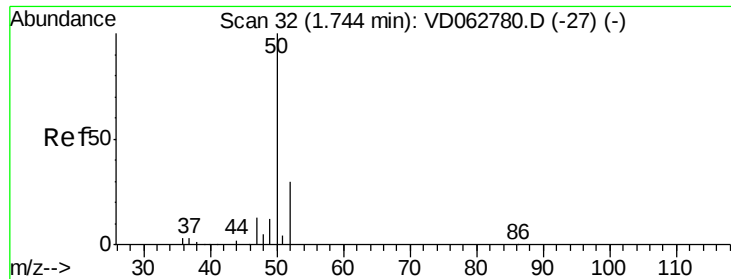
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.702 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

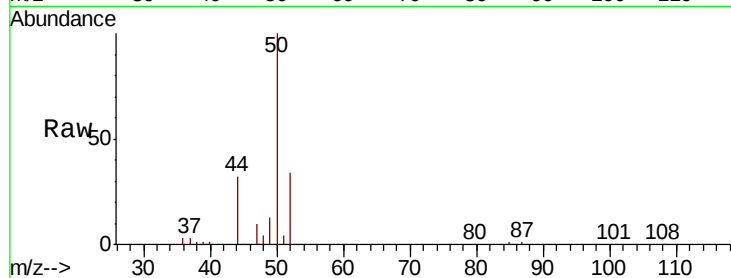
VSTDCCC050

Tot Ion: 50 Resp: 419475

Ion Ratio Lower Upper

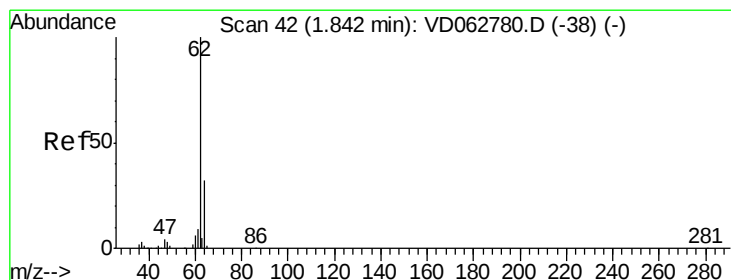
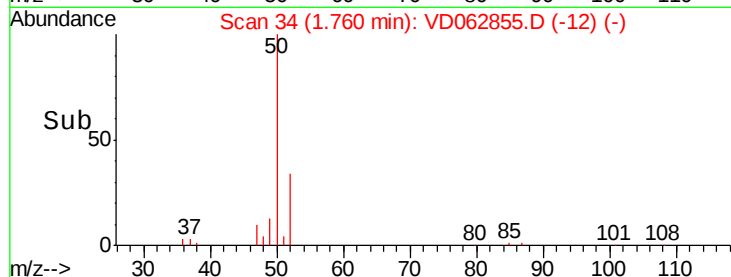
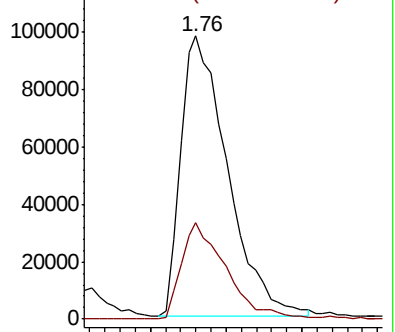
50 100

52 34.0 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: 46.024 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062855.D

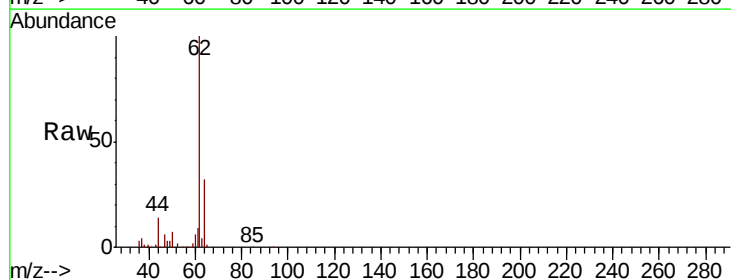
Acq: 24 Jun 2019 23:48

Tgt Ion: 62 Resp: 437998

Ion Ratio Lower Upper

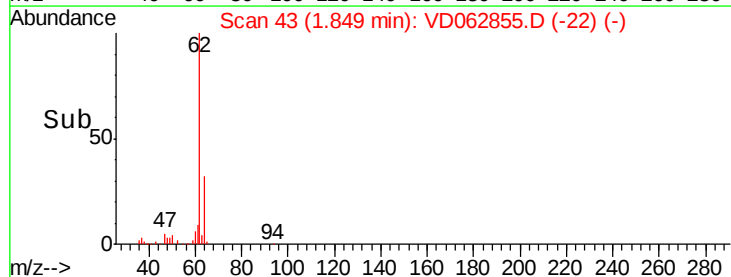
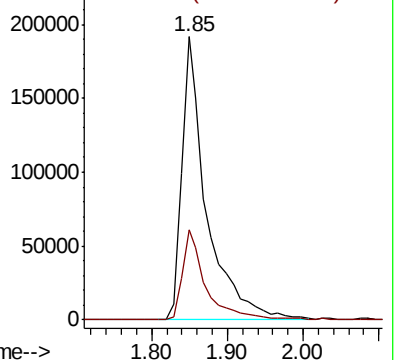
62 100

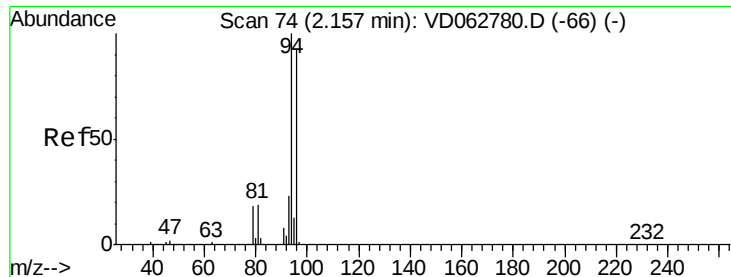
64 31.8 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 43.334 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

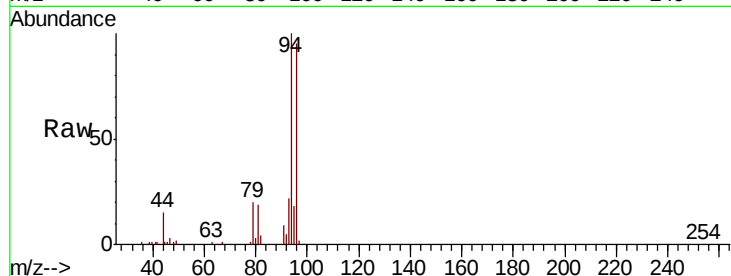
Tot Ion: 94 Resp: 193134

Ion Ratio Lower Upper

94 100

96 95.2 73.4 110.2

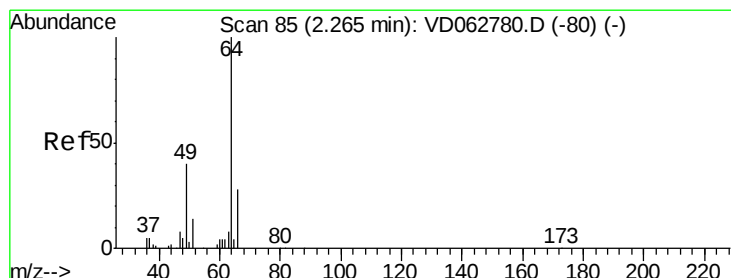
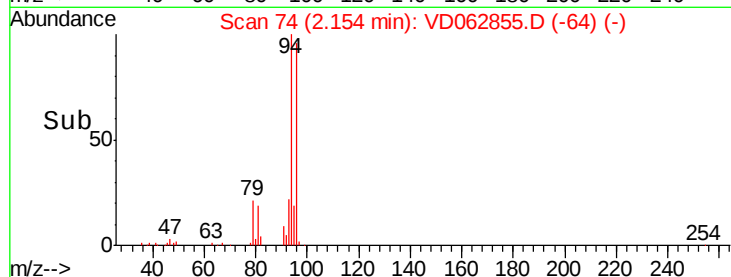
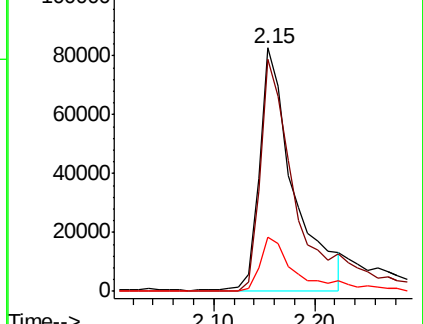
93 22.0 18.2 27.4



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: 46.849 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD062855.D

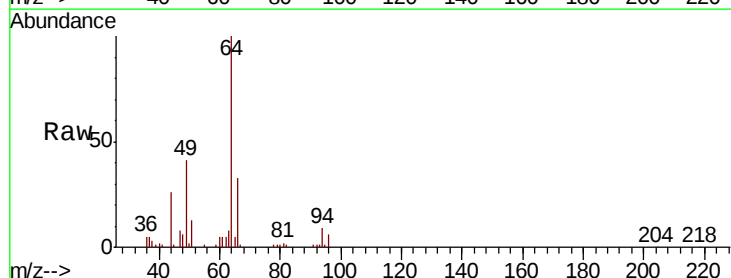
Acq: 24 Jun 2019 23:48

Tgt Ion: 64 Resp: 201854

Ion Ratio Lower Upper

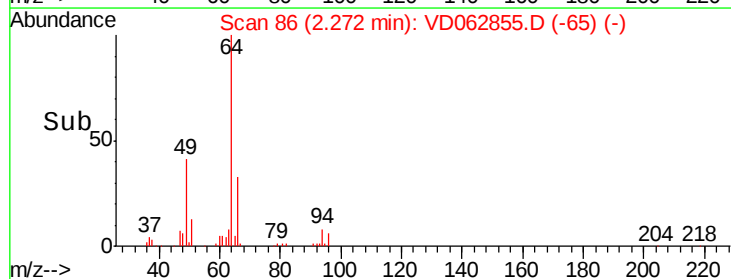
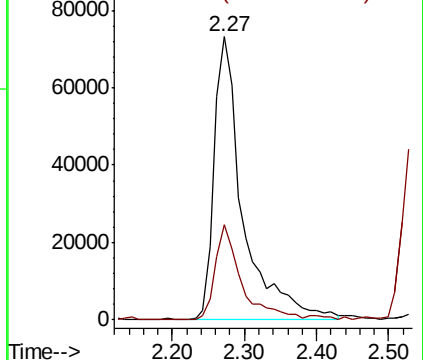
64 100

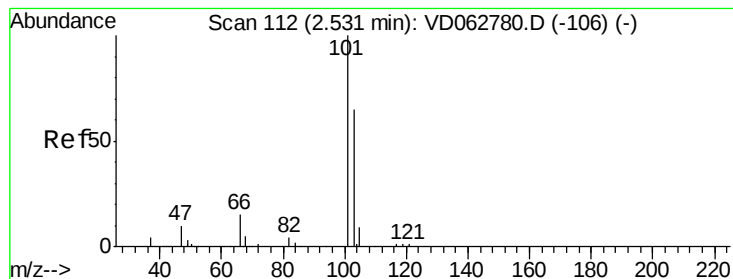
66 33.5 23.0 34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



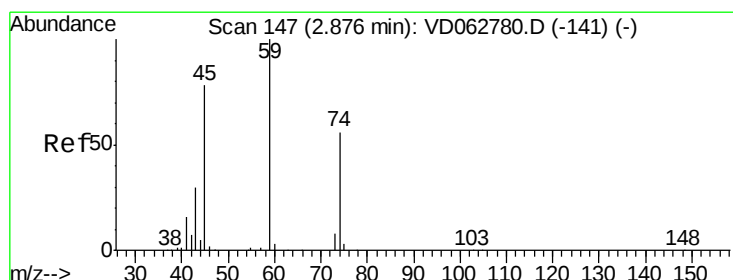
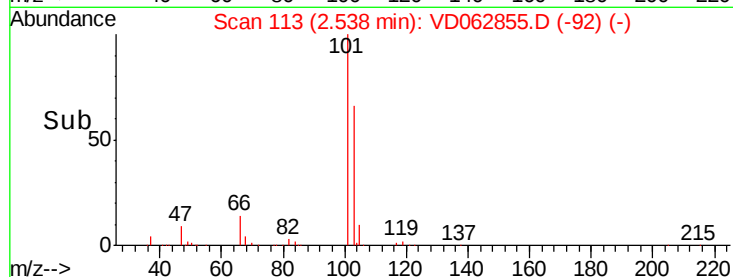
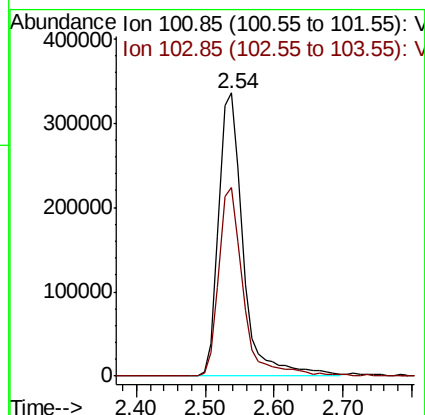
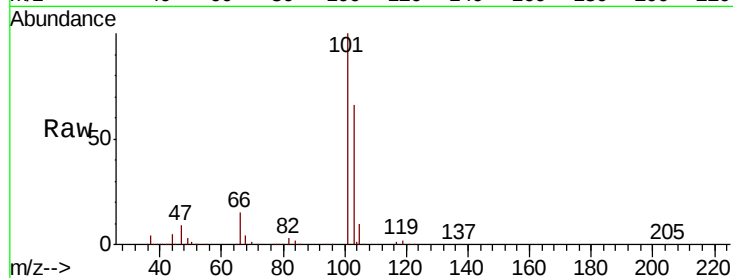


#7

Trichlorofluoromethane
 Concen: 43.185 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Instrument :
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 ClientSampleId :
 VSTDCCC050

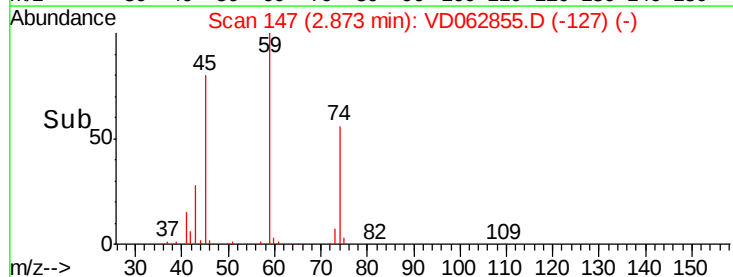
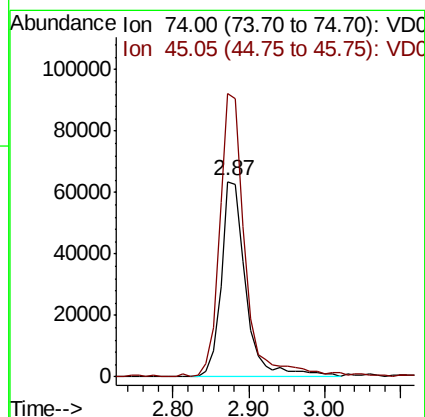
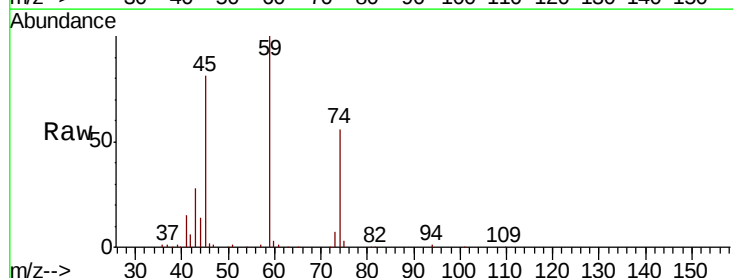
Tot Ion:101 Resp: 831735
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.8 77.8

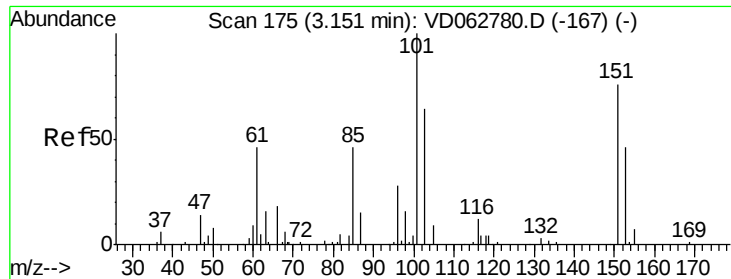


#8

Diethyl Ether
 Concen: 59.167 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion: 74 Resp: 144790
 Ion Ratio Lower Upper
 74 100
 45 144.8 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.858 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

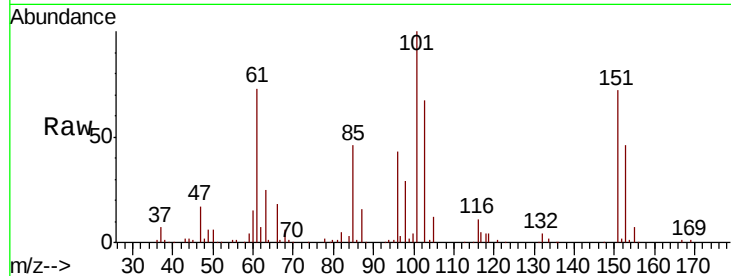
Tot Ion:101 Resp: 530662

Ion Ratio Lower Upper

101 100

85 45.6 37.0 55.4

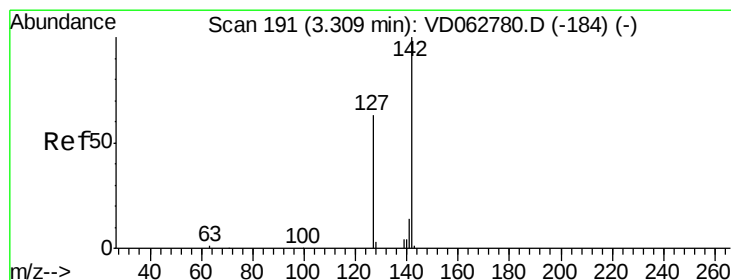
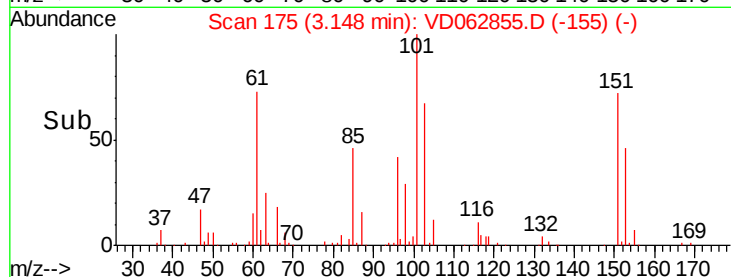
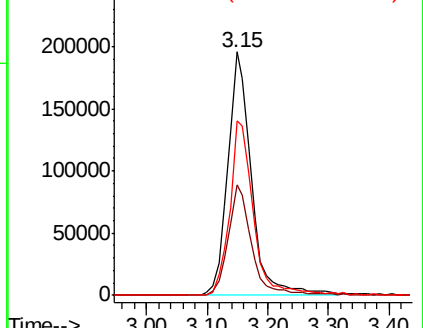
151 71.6 60.5 90.7



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: 52.905 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

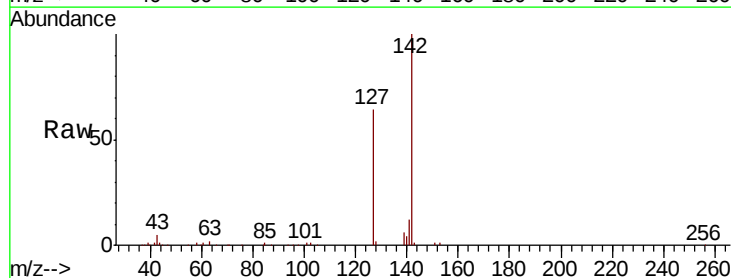
Tgt Ion:142 Resp: 728274

Ion Ratio Lower Upper

142 100

127 64.3 50.1 75.1

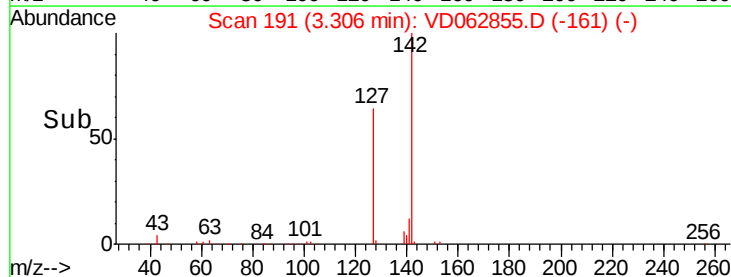
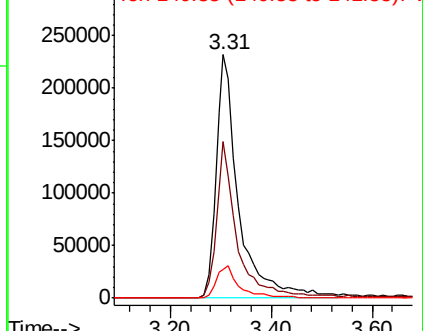
141 11.8 11.0 16.4

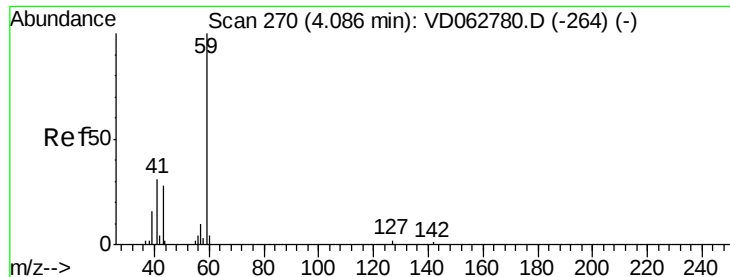


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



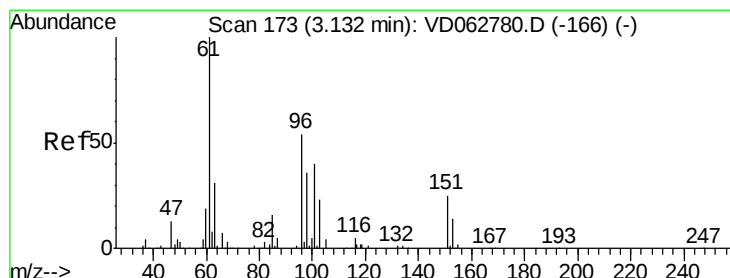
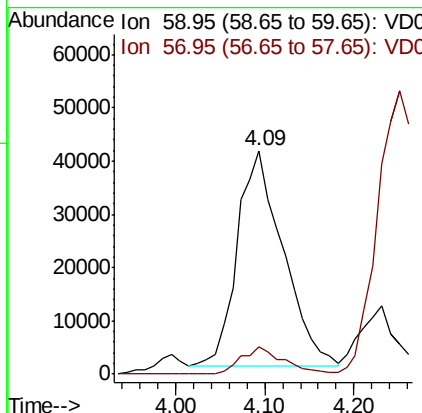
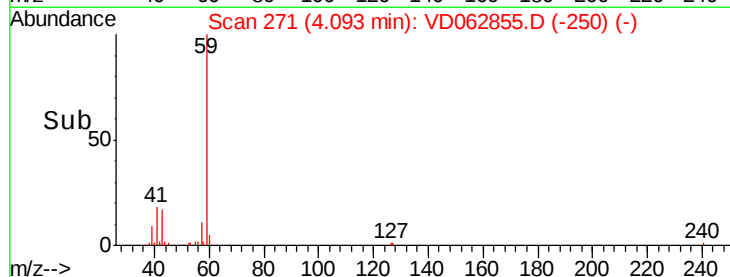
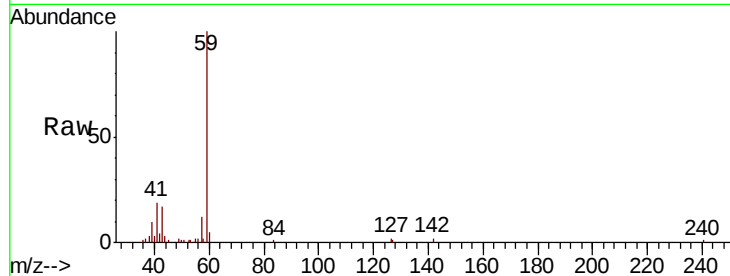


#11

Tert butyl alcohol
Concen: 296.472 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

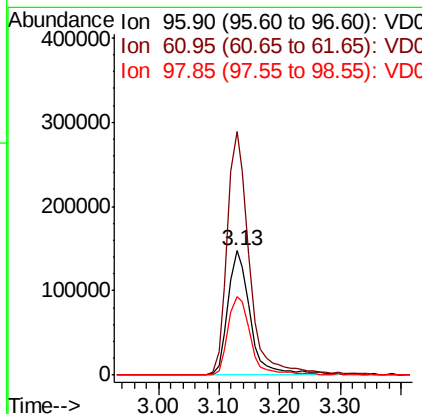
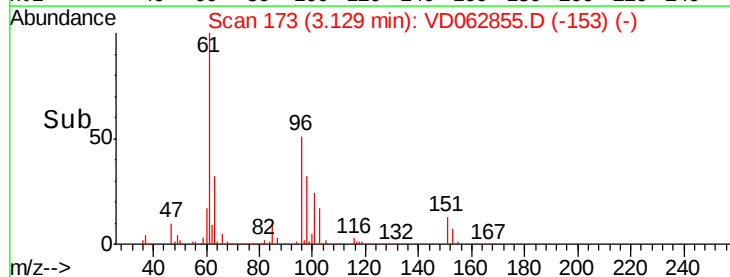
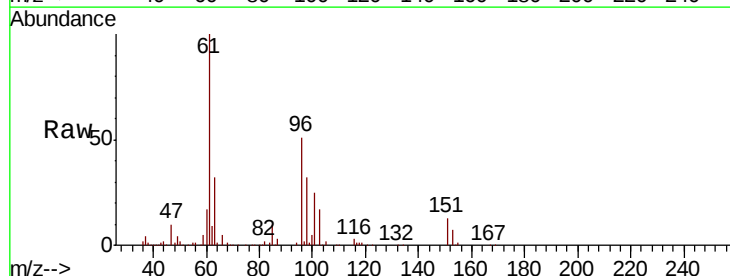
Tot Ion: 59 Resp: 144758
Ion Ratio Lower Upper
59 100
57 12.0 6.6 10.0#

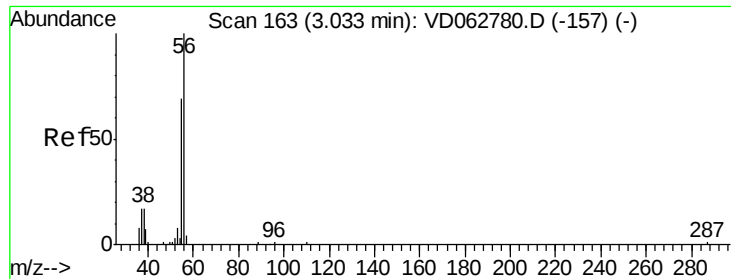


#12

1,1-Dichloroethene
Concen: 48.275 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 96 Resp: 377864
Ion Ratio Lower Upper
96 100
61 195.5 147.1 220.7
98 63.1 52.6 79.0

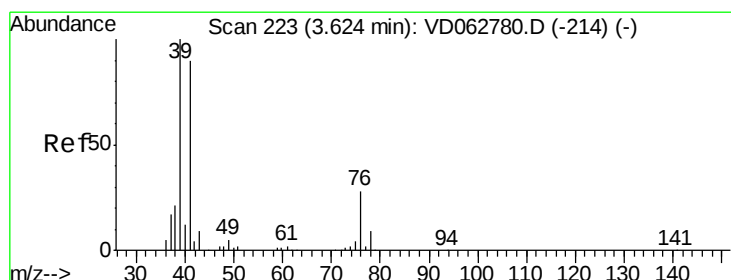
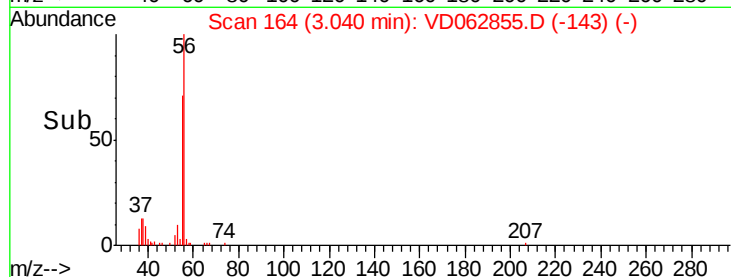
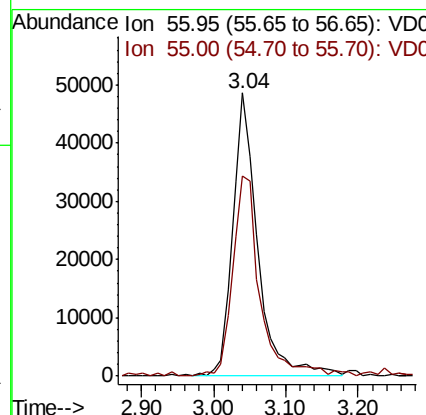
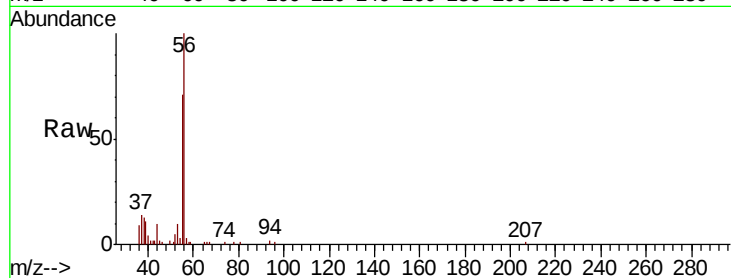




#13
Acrolein
Concen: 235.806 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

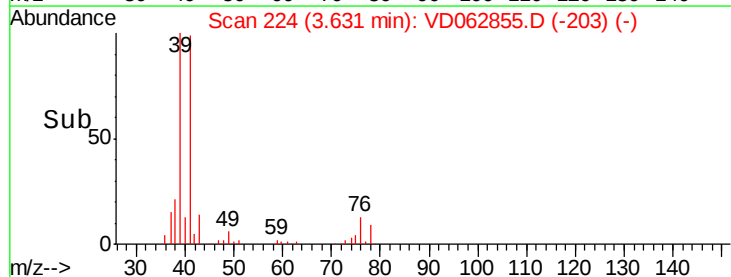
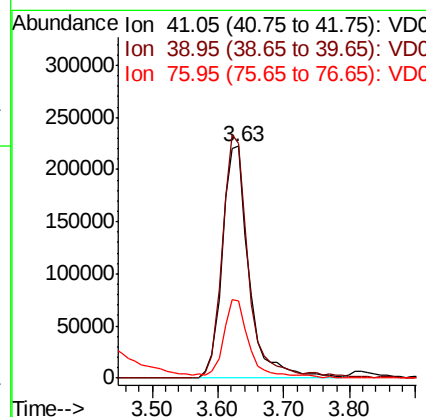
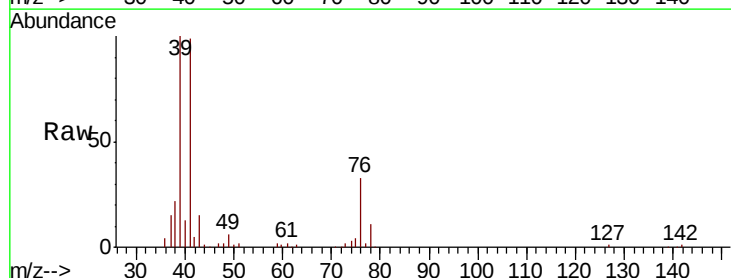
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

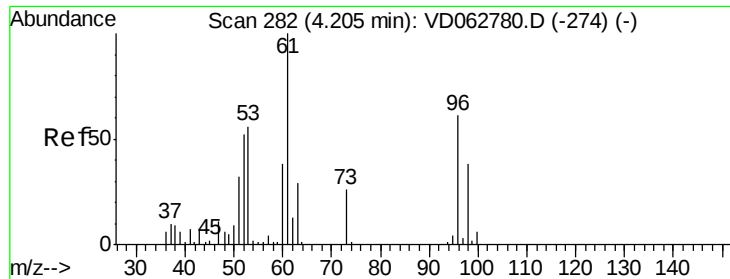
Tot Ion: 56 Resp: 117541
Ion Ratio Lower Upper
56 100
55 70.9 55.4 83.0



#14
Allyl chloride
Concen: 54.478 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 41 Resp: 630081
Ion Ratio Lower Upper
41 100
39 101.5 88.8 133.2
76 33.5 26.7 40.1





#15

Acrylonitrile

Concen: 307.024 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

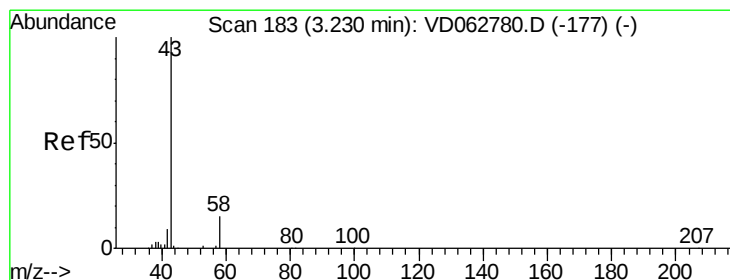
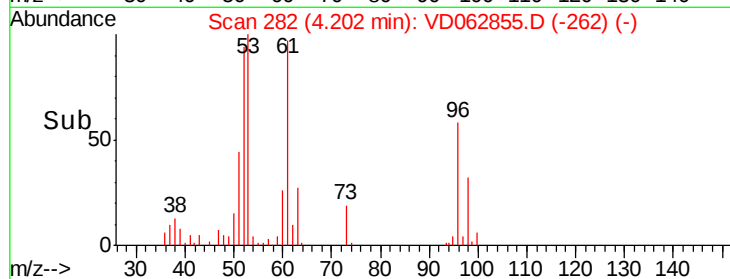
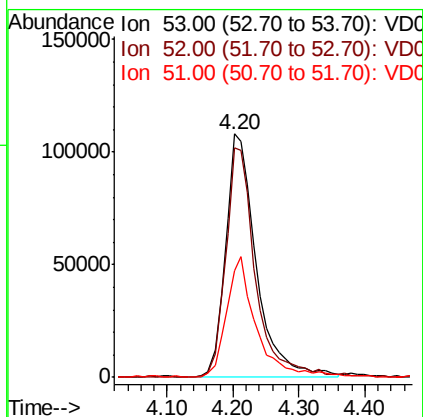
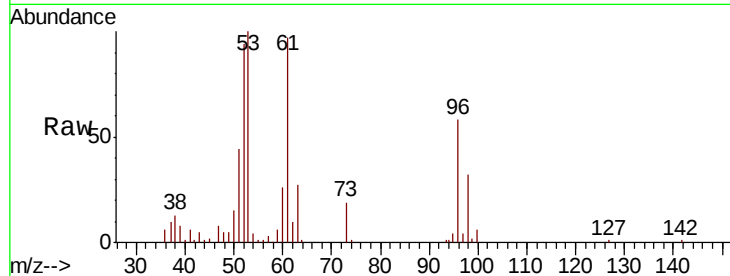
Tot Ion: 53 Resp: 352248

Ion Ratio Lower Upper

53 100

52 94.2 73.3 109.9

51 44.0 44.8 67.2#



#16

Acetone

Concen: 262.977 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062855.D

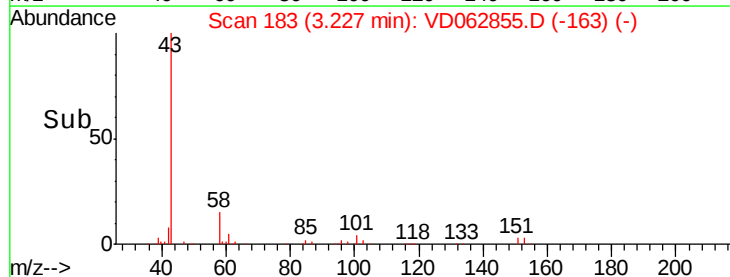
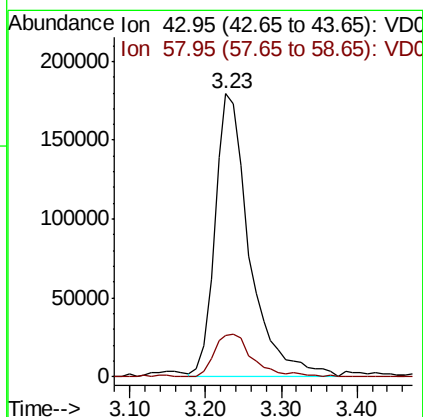
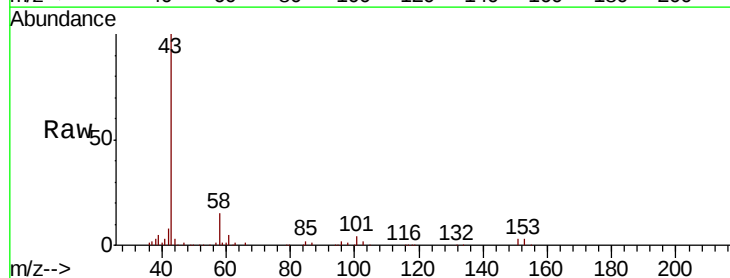
Acq: 24 Jun 2019 23:48

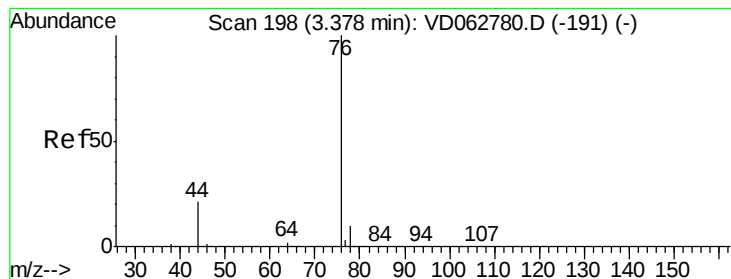
Tgt Ion: 43 Resp: 570938

Ion Ratio Lower Upper

43 100

58 14.8 11.9 17.9





#17

Carbon Disulfide

Concen: 47.210 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

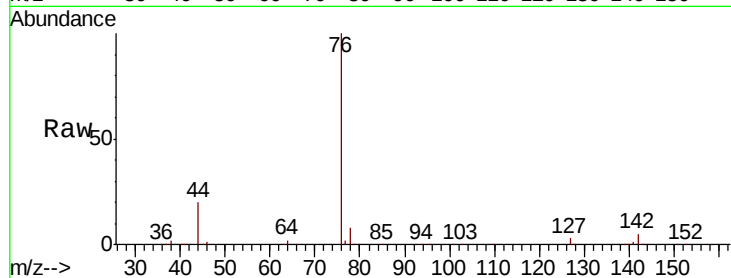
VSTDCCC050

Tot Ion: 76 Resp: 1181005

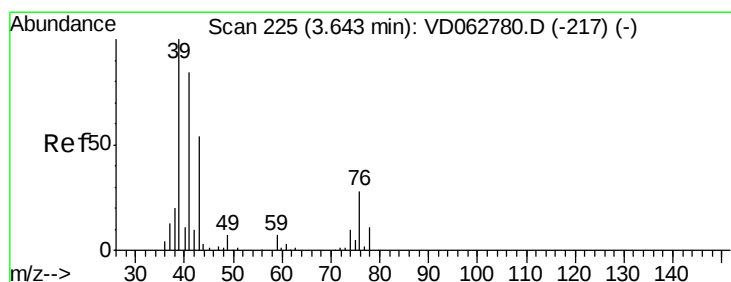
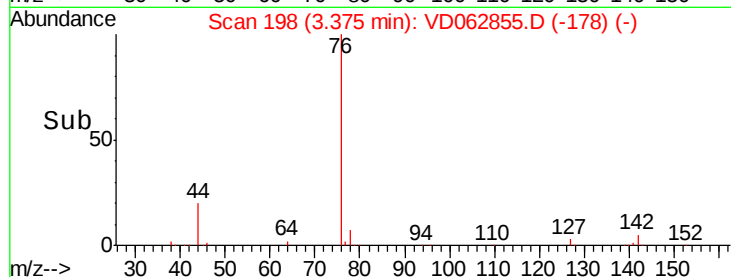
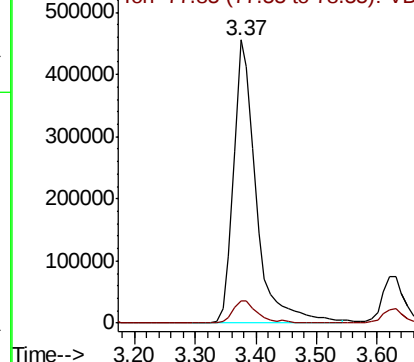
Ion Ratio Lower Upper

76 100

78 7.8 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: 61.758 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062855.D

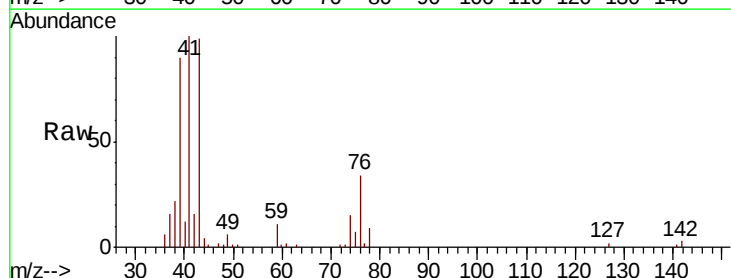
Acq: 24 Jun 2019 23:48

Tgt Ion: 43 Resp: 199867

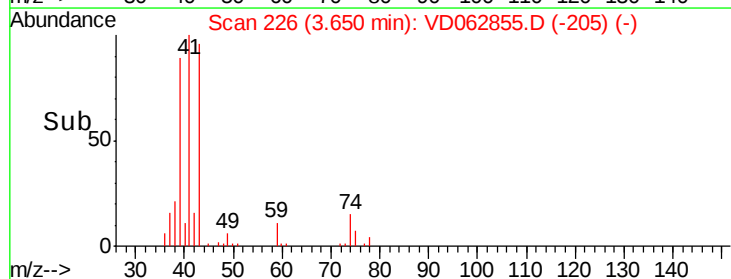
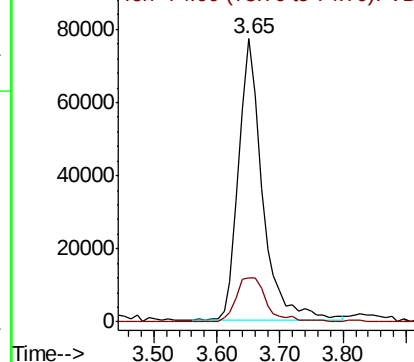
Ion Ratio Lower Upper

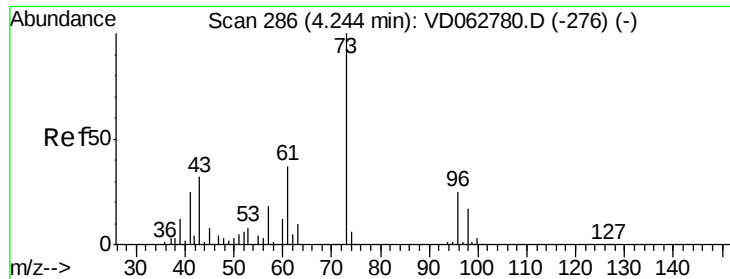
43 100

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



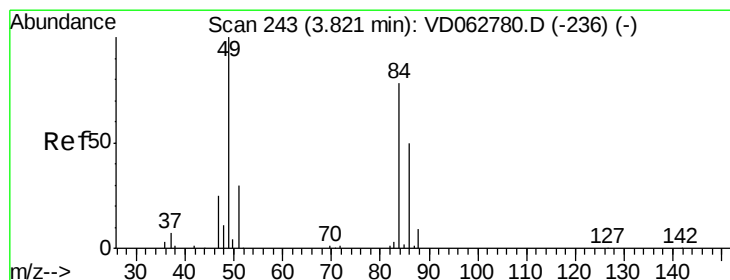
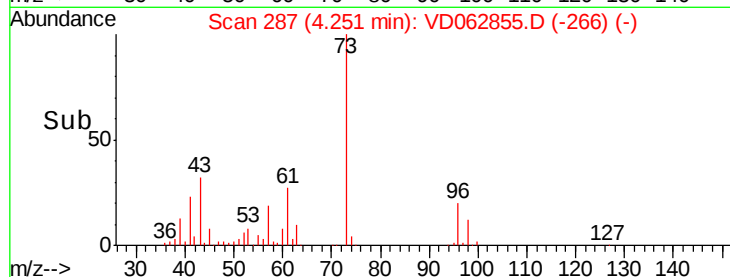
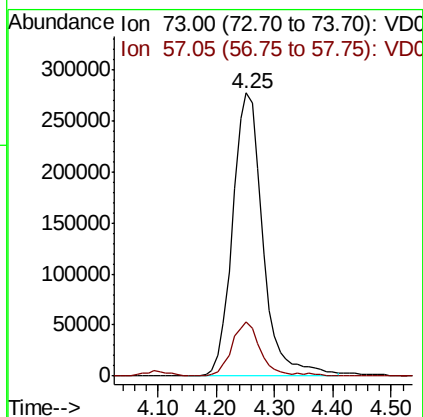
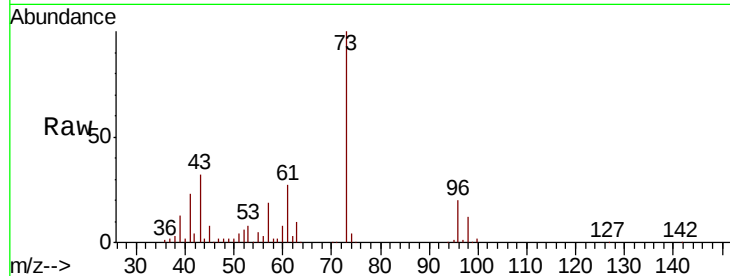


#19

Methyl tert-butyl Ether
 Concen: 59.052 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

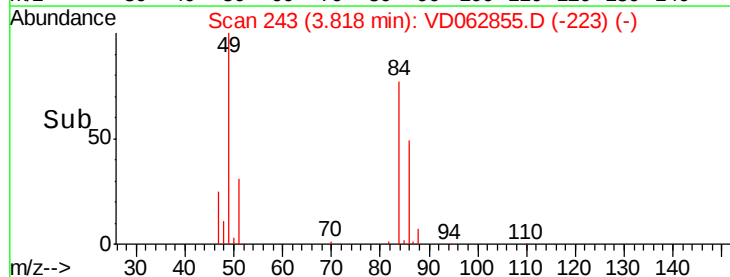
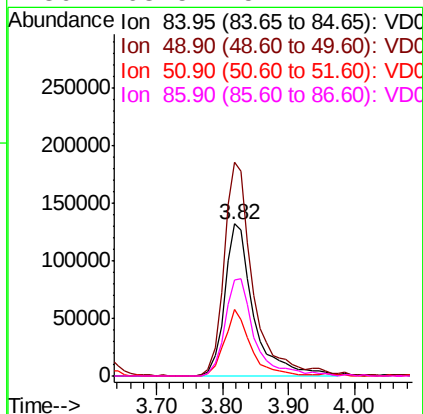
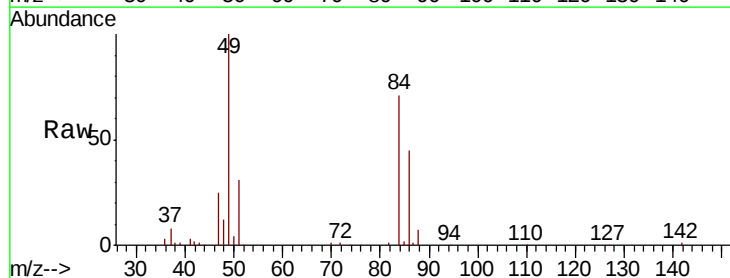
Tot Ion: 73 Resp: 1000624
 Ion Ratio Lower Upper
 73 100
 57 19.2 14.3 21.5

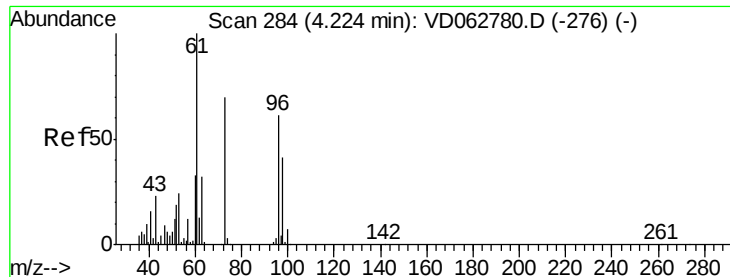


#20

Methylene Chloride
 Concen: 49.402 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion: 84 Resp: 403916
 Ion Ratio Lower Upper
 84 100
 49 140.7 102.9 154.3
 51 43.4 31.2 46.8
 86 63.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 53.348 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

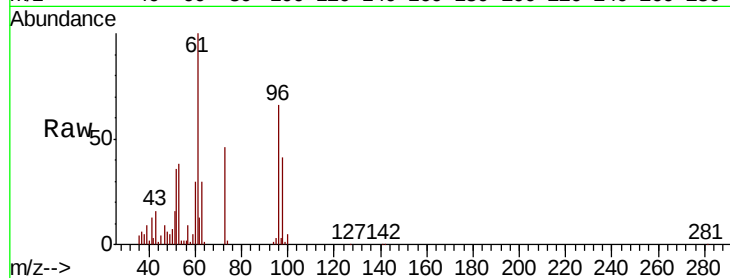
Tot Ion: 96 Resp: 444623

Ion Ratio Lower Upper

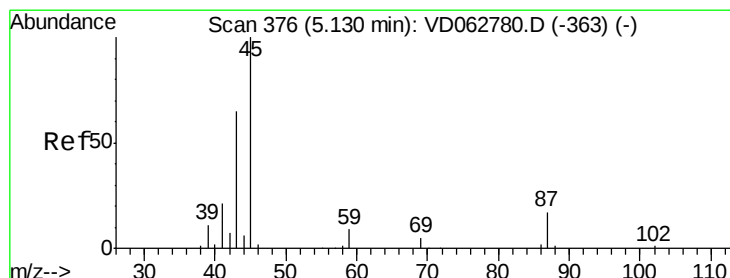
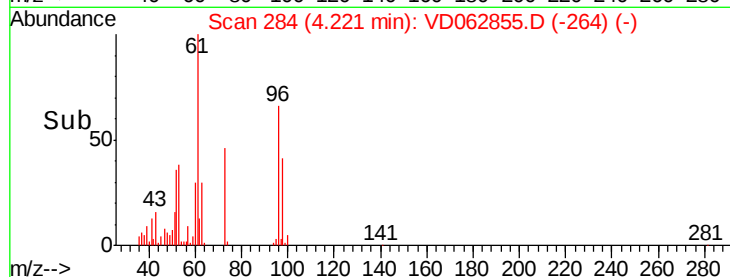
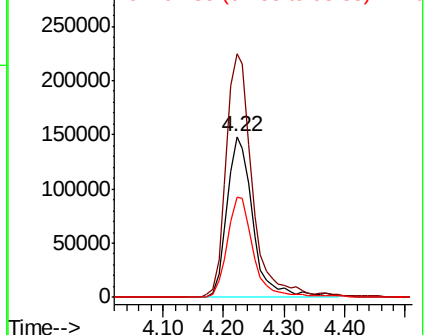
96 100

61 151.2 131.0 196.4

98 62.6 53.2 79.8



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



#22

Diisopropyl ether

Concen: 58.945 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Tgt Ion: 45 Resp: 1386435

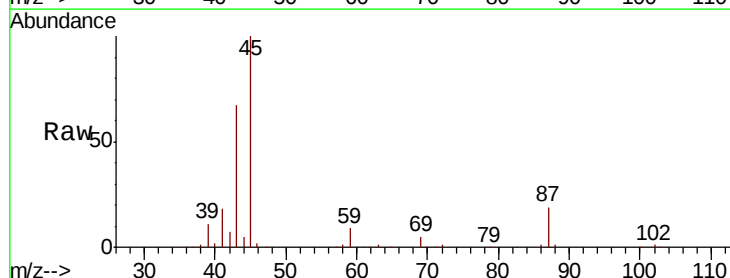
Ion Ratio Lower Upper

45 100

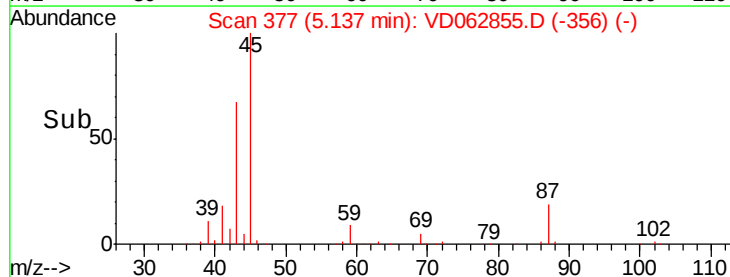
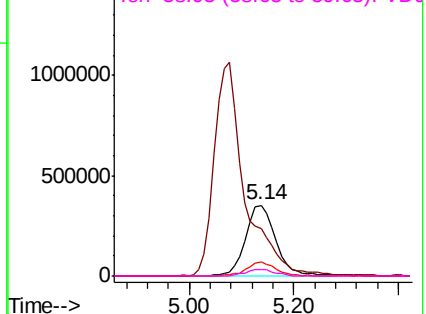
43 66.7 53.4 80.0

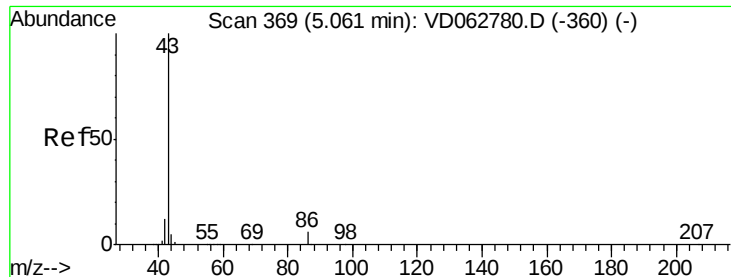
87 19.1 14.6 22.0

59 9.2 7.8 11.8



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 290.609 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.02 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

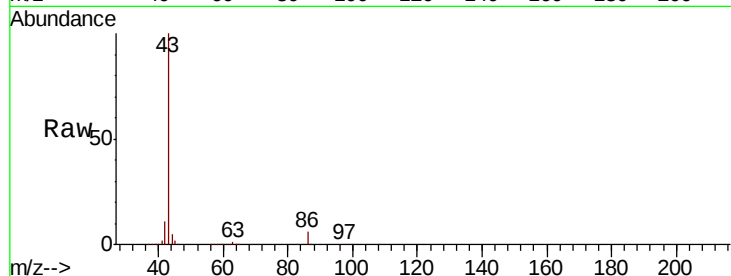
VSTDCCC050

Tot Ion: 43 Resp: 4277194

Ion Ratio Lower Upper

43 100

86 6.4 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.08

1200000

1000000

800000

600000

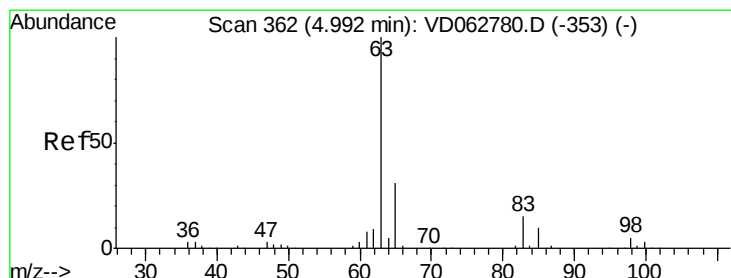
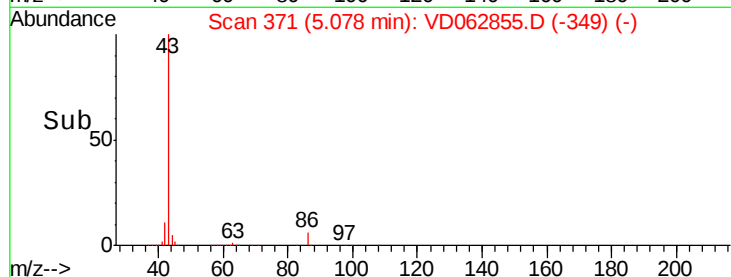
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 53.213 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

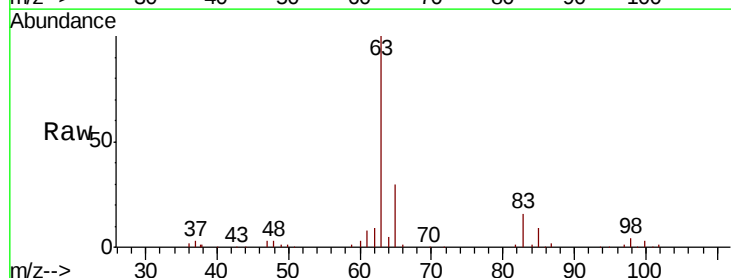
Tgt Ion: 63 Resp: 814907

Ion Ratio Lower Upper

63 100

98 4.4 2.3 6.9

100 2.7 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

4.99

300000

250000

200000

150000

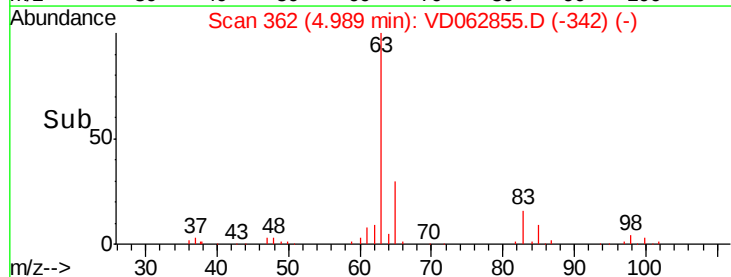
100000

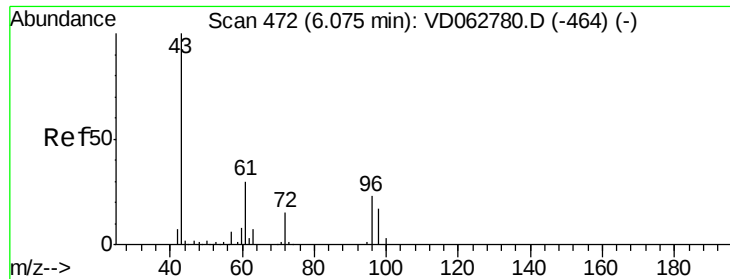
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 315.317 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

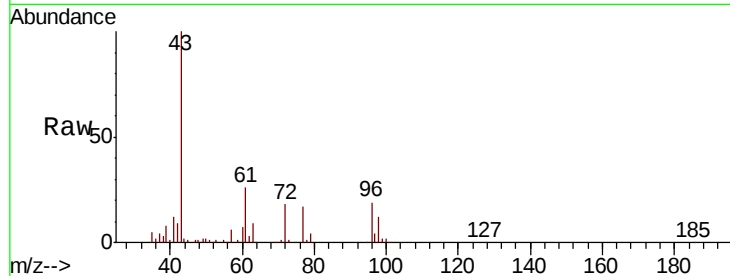
VSTDCCC050

Tot Ion: 43 Resp: 632239

Ion Ratio Lower Upper

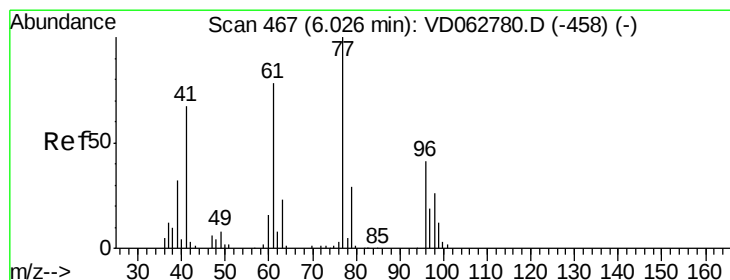
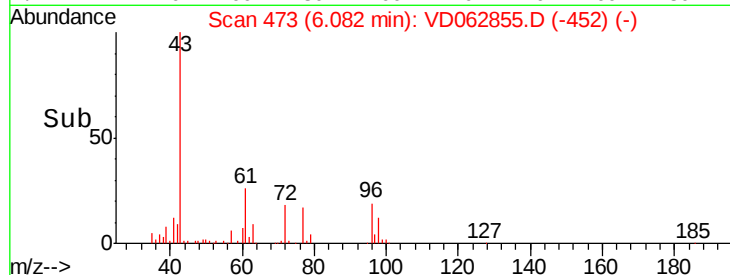
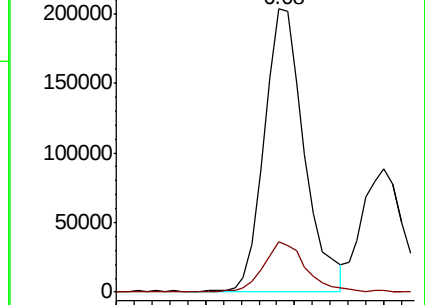
43 100

72 17.6 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: 46.315 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062855.D

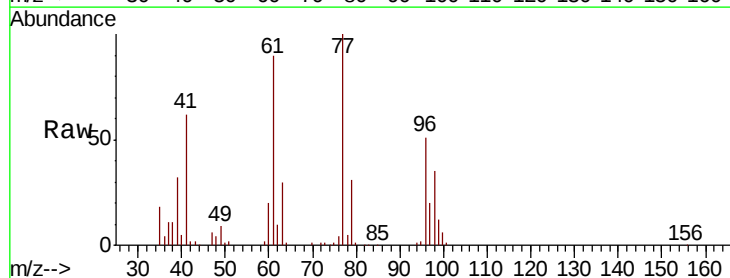
Acq: 24 Jun 2019 23:48

Tgt Ion: 77 Resp: 751790

Ion Ratio Lower Upper

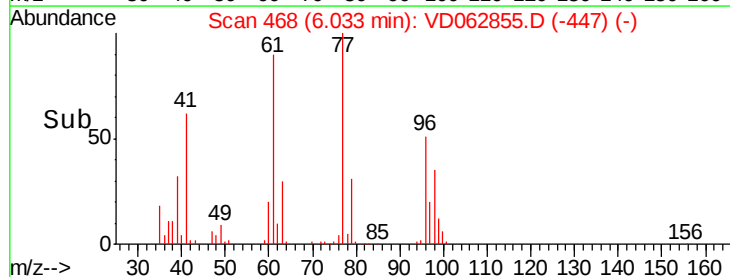
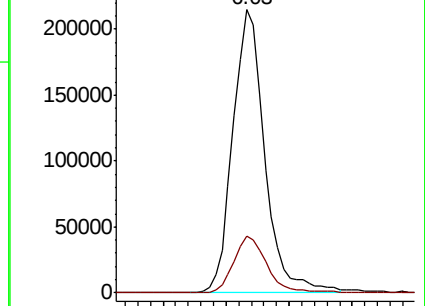
77 100

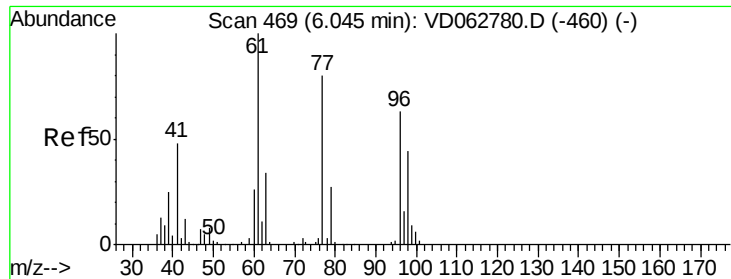
97 20.0 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



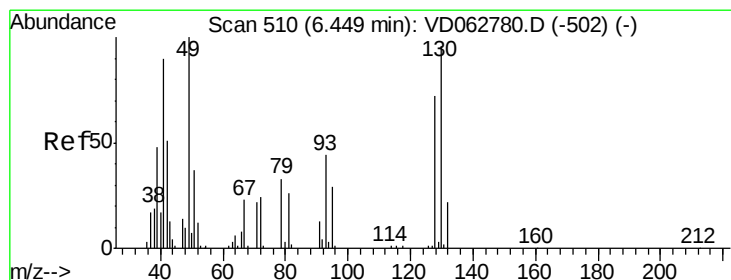
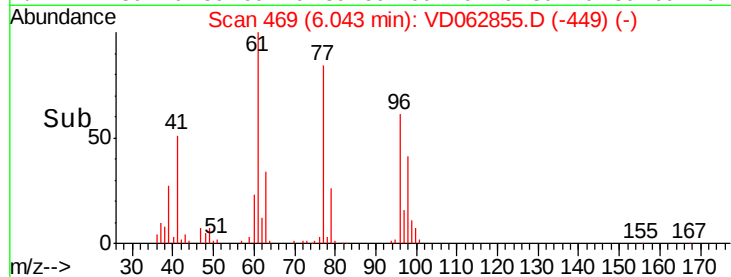
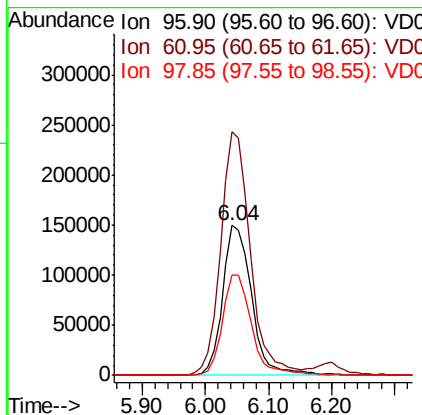
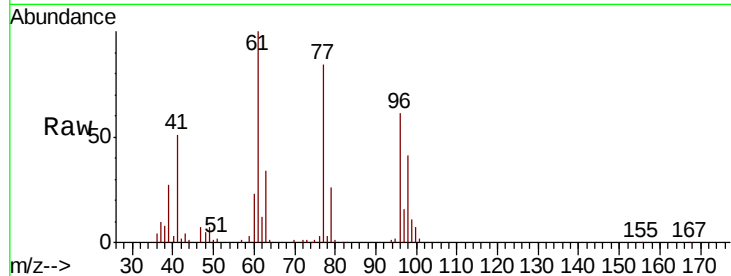


#27

cis-1,2-Dichloroethene
 Concen: 54.124 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

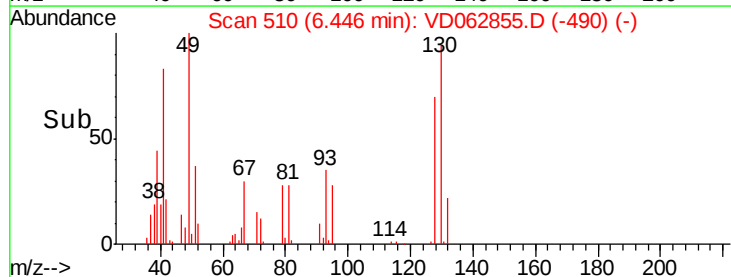
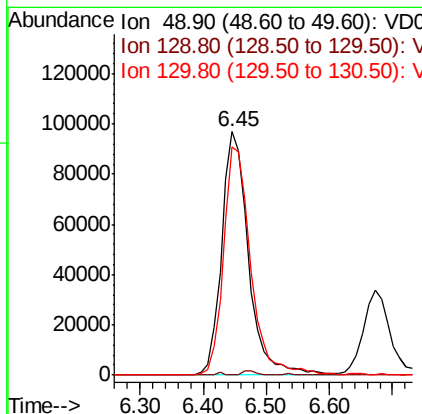
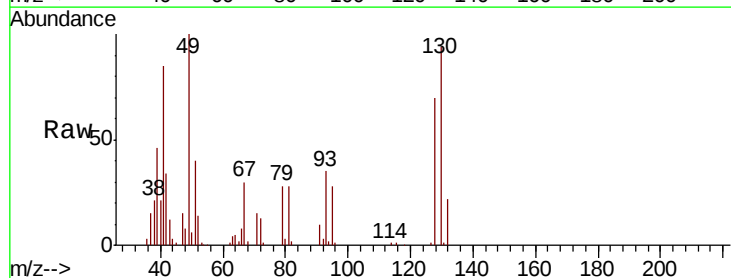
Tot Ion: 96 Resp: 477025
 Ion Ratio Lower Upper
 96 100
 61 162.6 0.0 316.0
 98 67.3 0.0 138.4

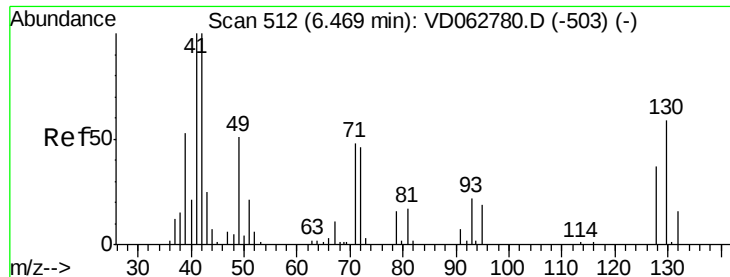


#28

Bromochloromethane
 Concen: 52.997 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion: 49 Resp: 285841
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 93.9 76.6 114.8





#29

Tetrahydrofuran

Concen: 322.943 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

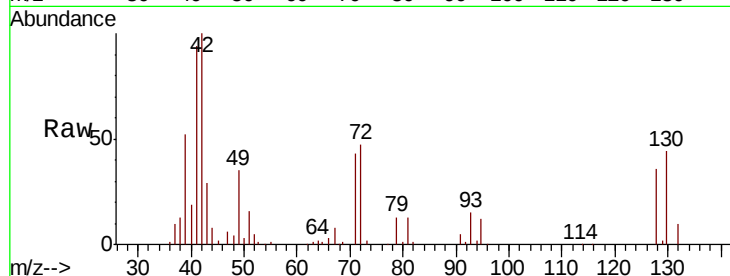
Tot Ion: 42 Resp: 306371

Ion Ratio Lower Upper

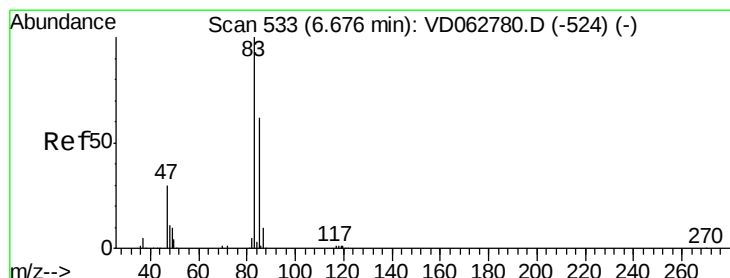
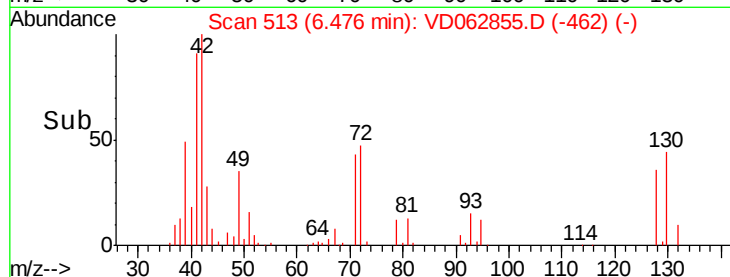
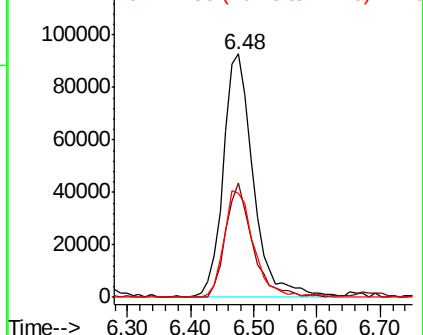
42 100

72 42.0 35.0 52.6

71 42.6 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 52.138 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD062855.D

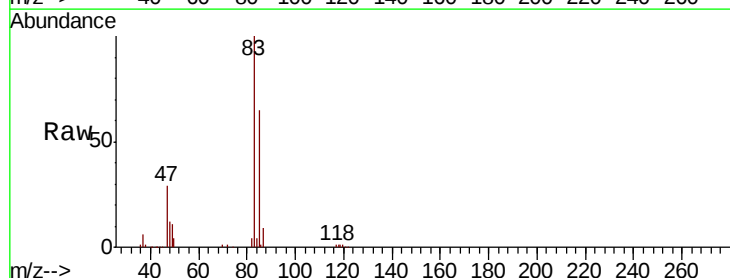
Acq: 24 Jun 2019 23:48

Tgt Ion: 83 Resp: 971017

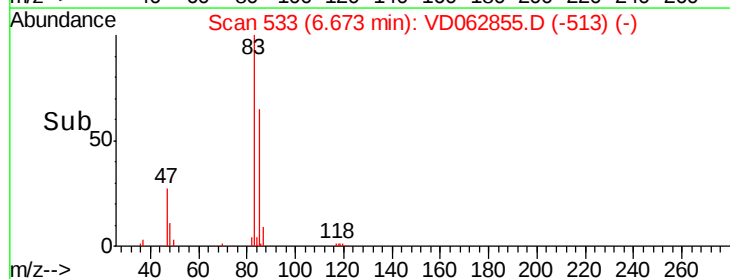
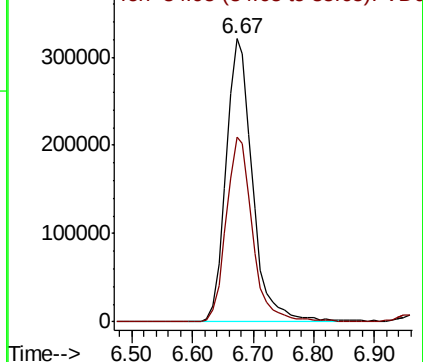
Ion Ratio Lower Upper

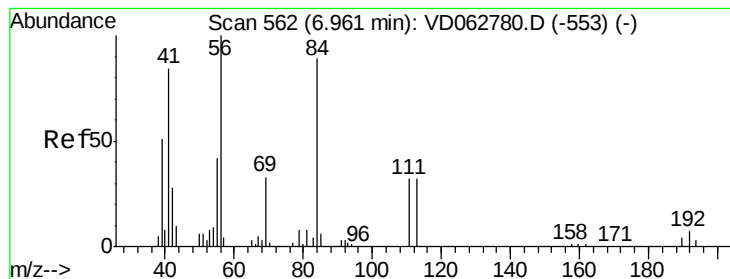
83 100

85 65.4 49.8 74.6



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





#31

Cyclohexane

Concen: 53.525 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

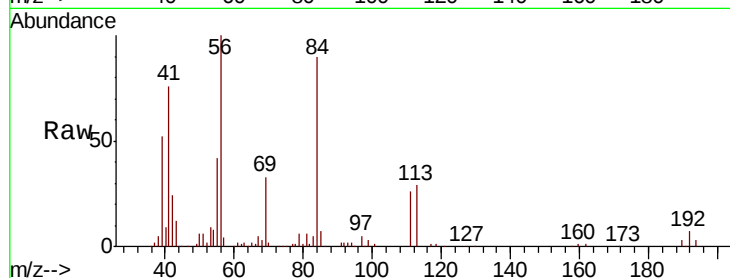
Tot Ion: 56 Resp: 538863

Ion Ratio Lower Upper

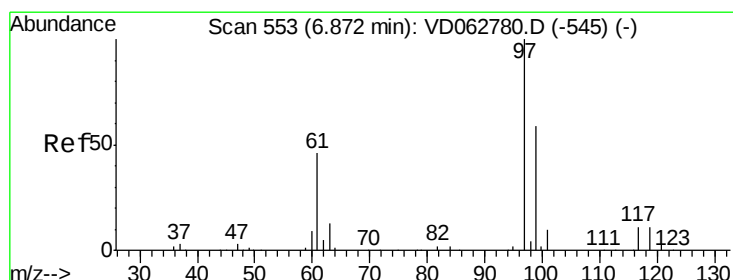
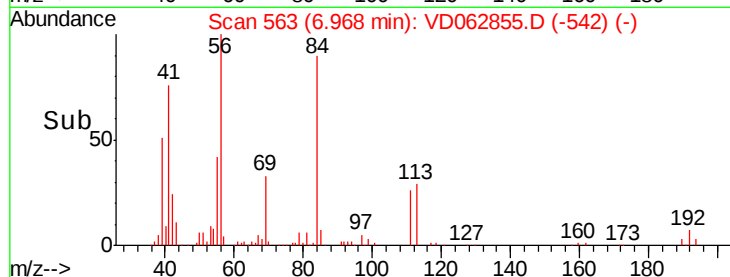
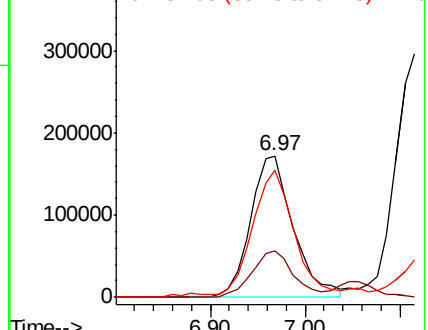
56 100

69 33.4 26.6 39.8

84 89.7 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: 48.709 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

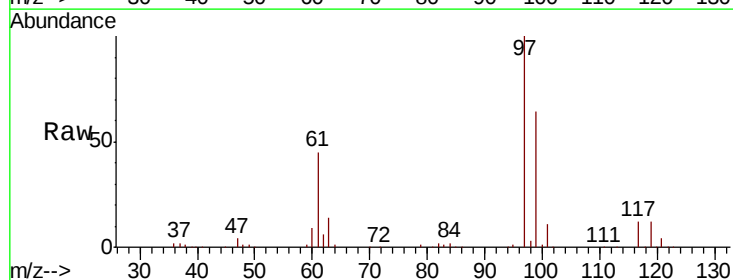
Tgt Ion: 97 Resp: 944872

Ion Ratio Lower Upper

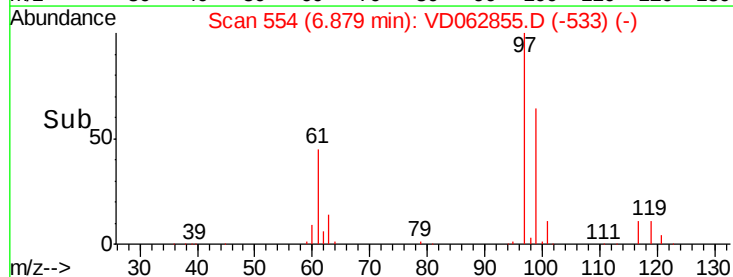
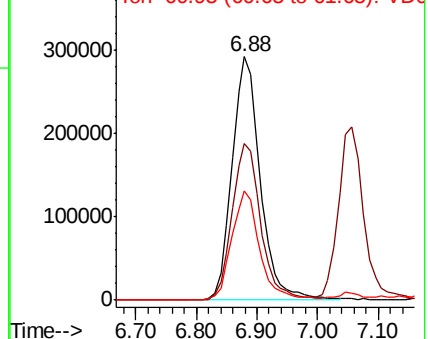
97 100

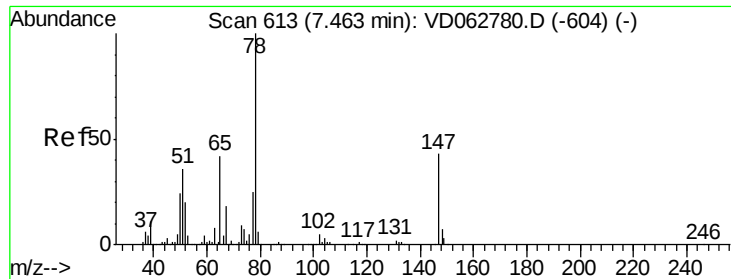
99 64.2 47.4 71.2

61 44.9 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: 53.437 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

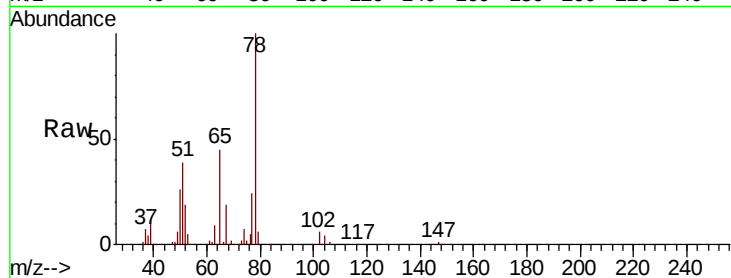
VSTDCCC050

Tot Ion: 65 Resp: 572880

Ion Ratio Lower Upper

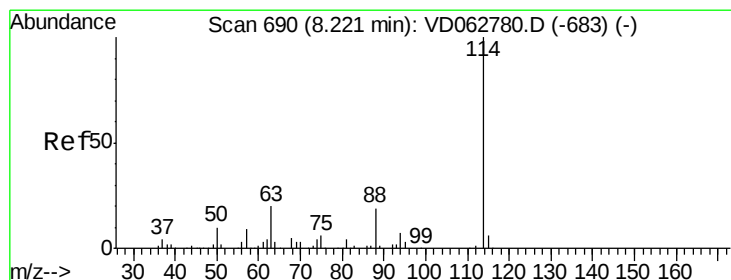
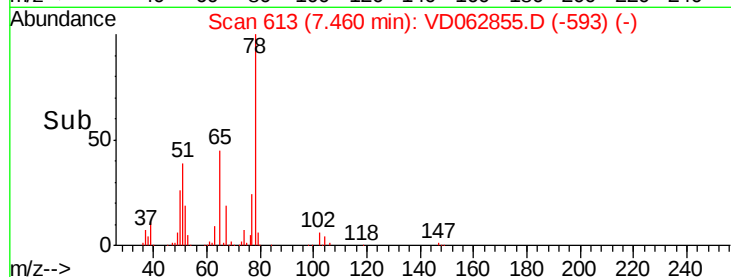
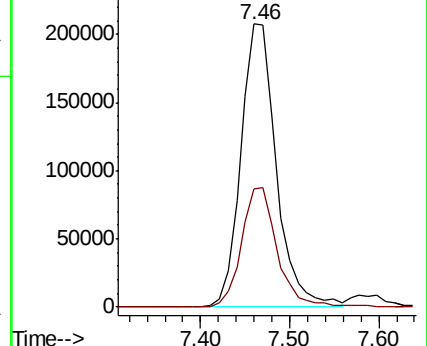
65 100

67 42.0 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

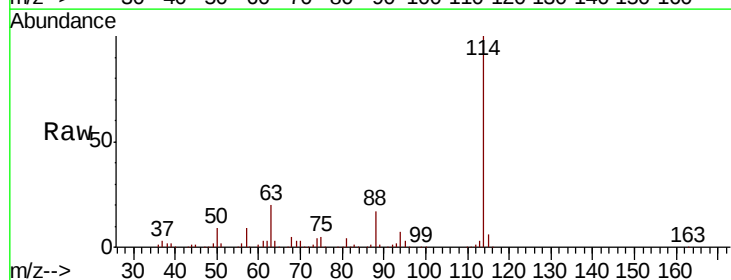
Tgt Ion: 114 Resp: 1387567

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

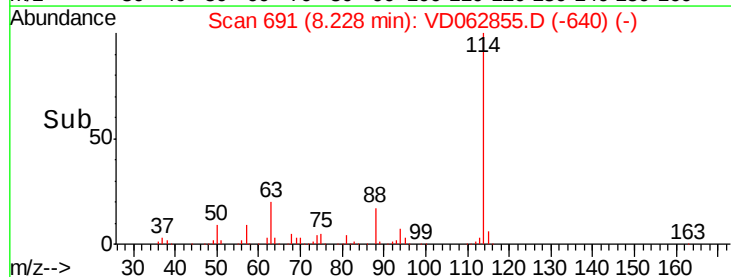
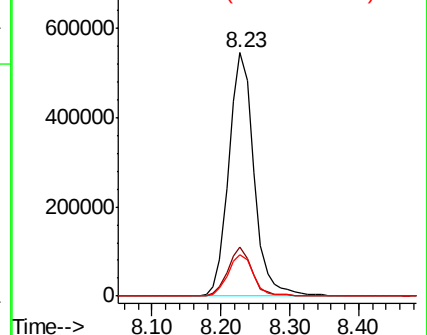
88 17.2 0.0 38.8

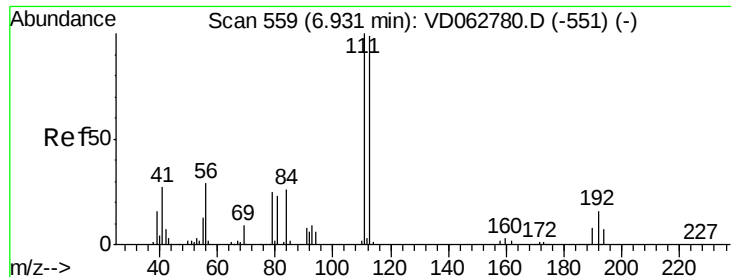


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

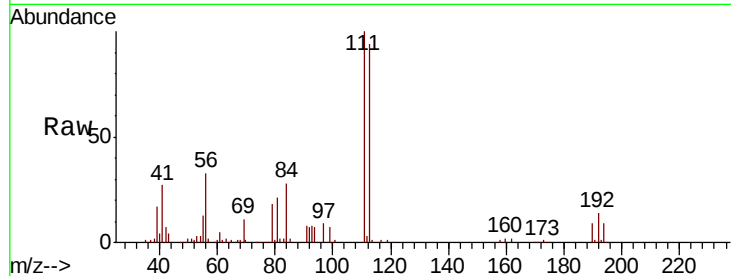




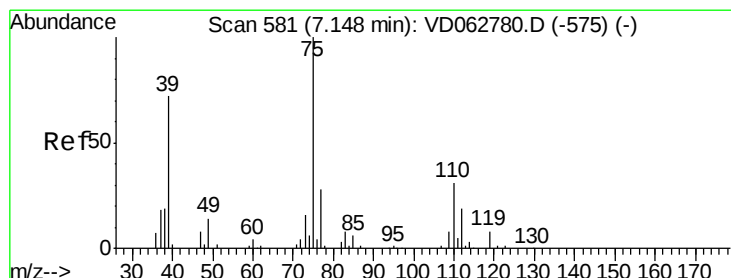
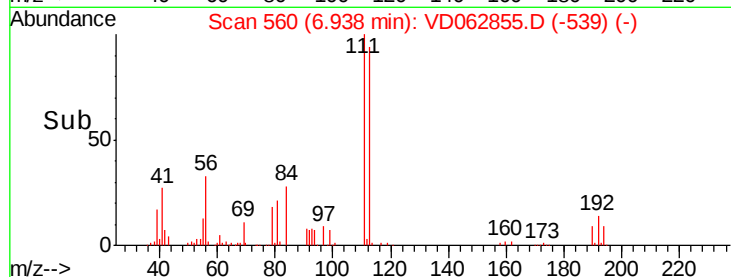
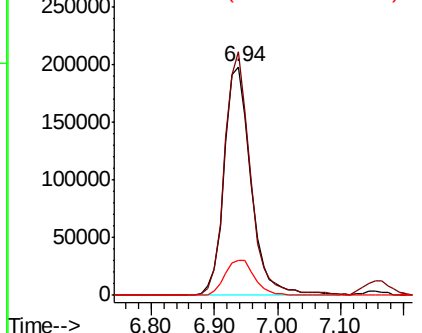
#35
Dibromofluoromethane
Concen: 50.106 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:113 Resp: 586233
Ion Ratio Lower Upper
113 100
111 106.4 81.2 121.8
192 15.3 12.9 19.3

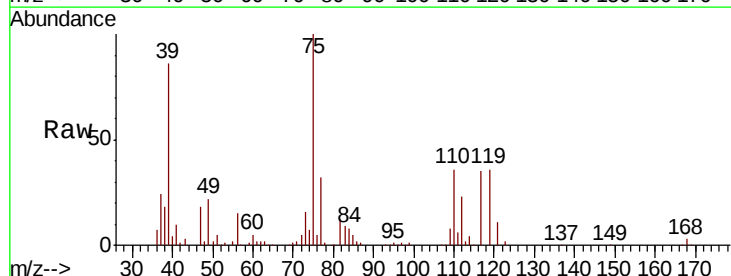


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

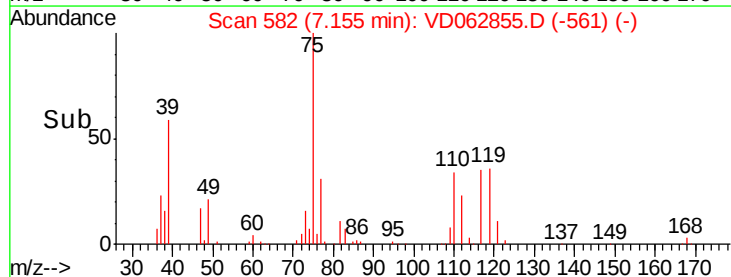
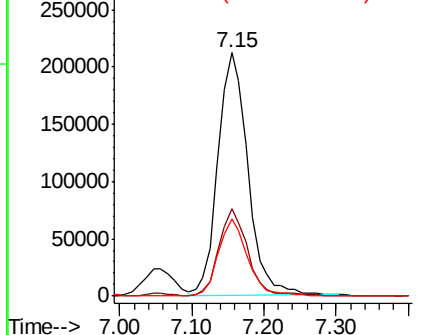


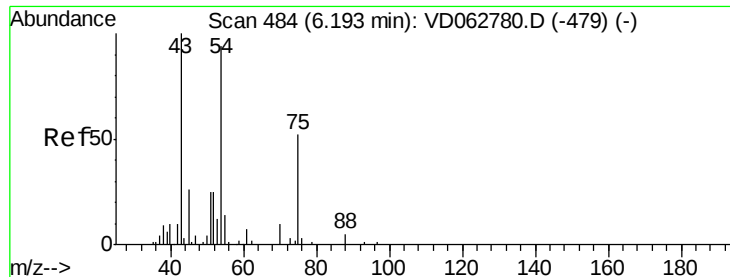
#36
1,1-Dichloropropene
Concen: 46.303 ug/l
RT: 7.15 min Scan# 582
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 75 Resp: 608203
Ion Ratio Lower Upper
75 100
110 36.1 15.0 45.1
77 31.9 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

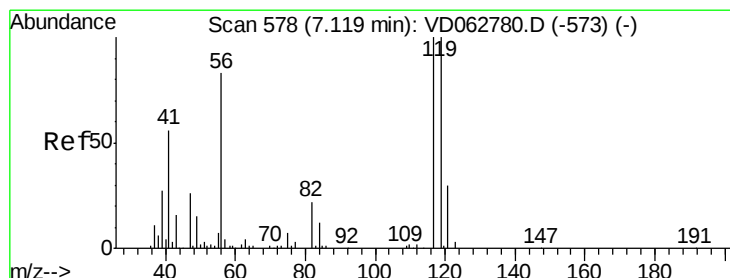
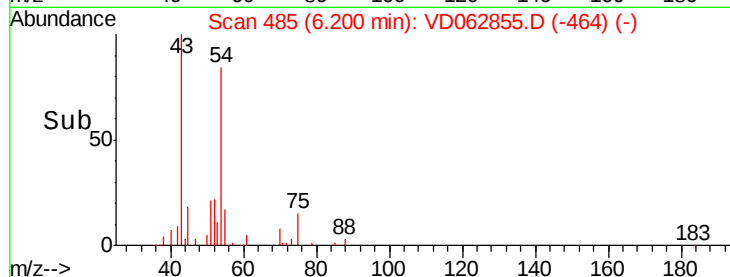
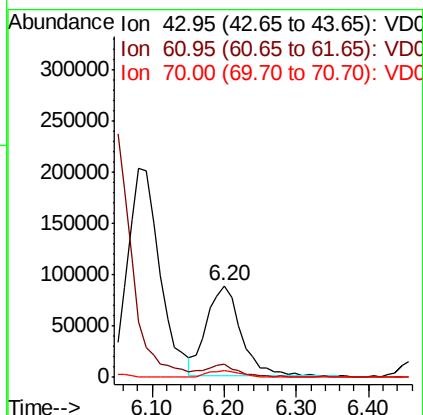
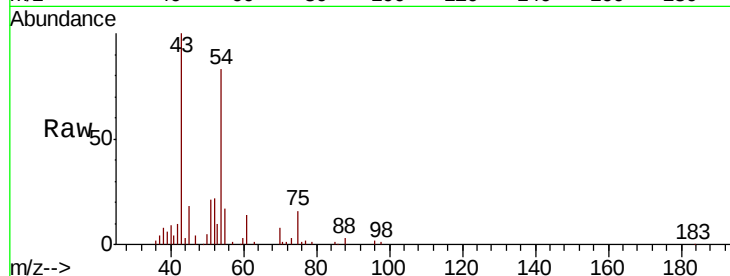




#37
Ethyl Acetate
Concen: 52.123 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

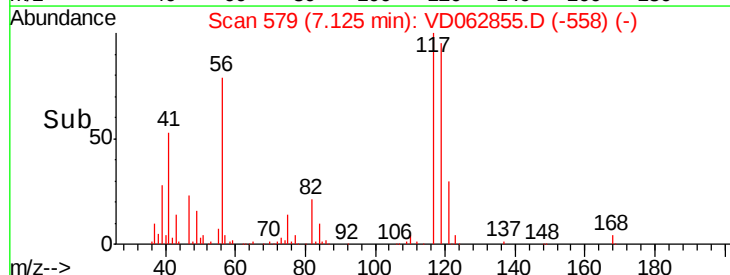
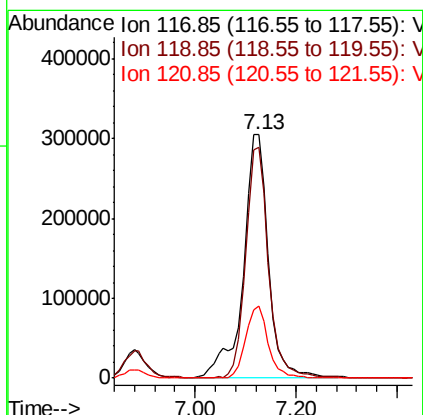
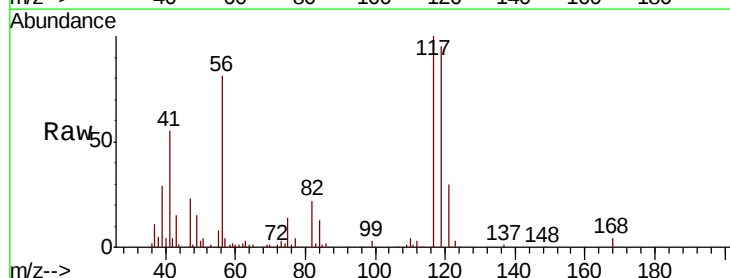
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

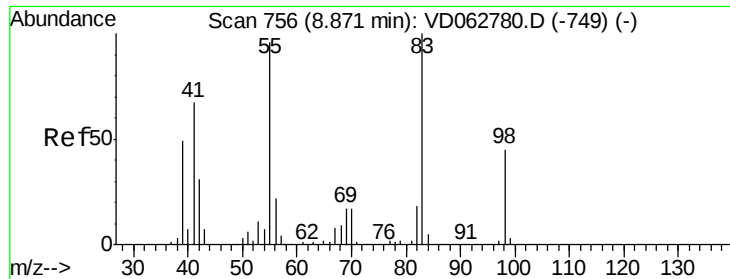
Tot Ion: 43 Resp: 287344
Ion Ratio Lower Upper
43 100
61 14.1 11.6 17.4
70 7.9 6.4 9.6



#38
Carbon Tetrachloride
Concen: 53.344 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 117 Resp: 1053810
Ion Ratio Lower Upper
117 100
119 94.8 75.4 113.2
121 29.6 22.3 33.5

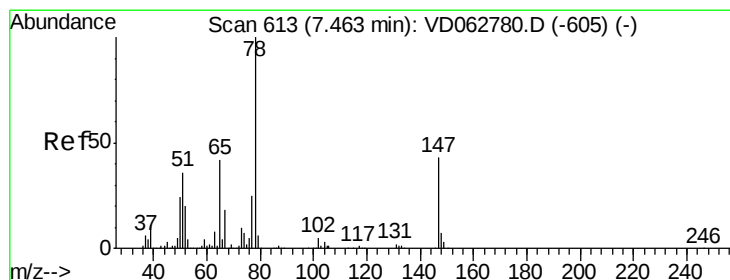
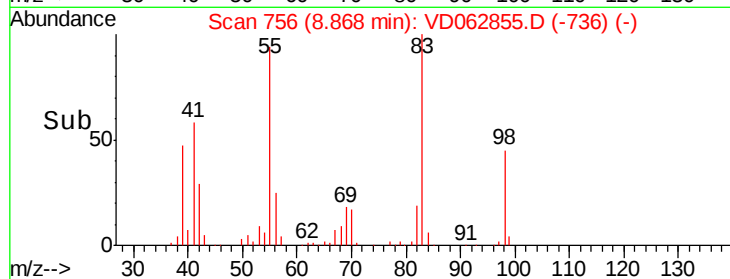
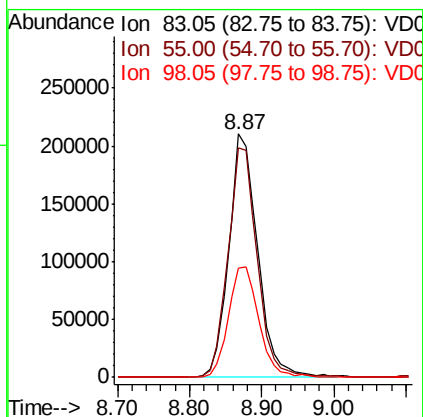
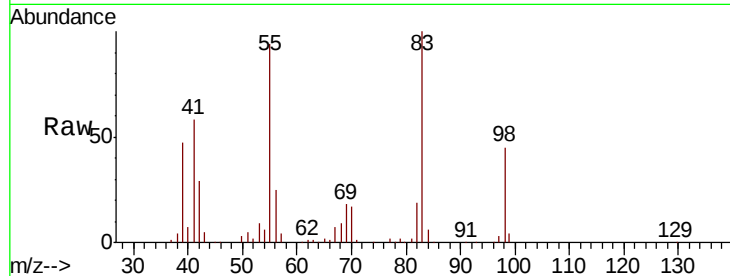




#39
Methvlcvclohexane
Concen: 50.708 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

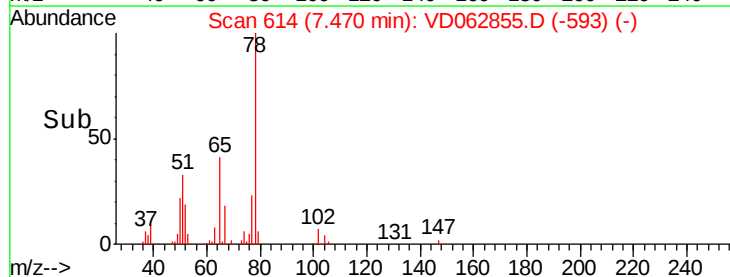
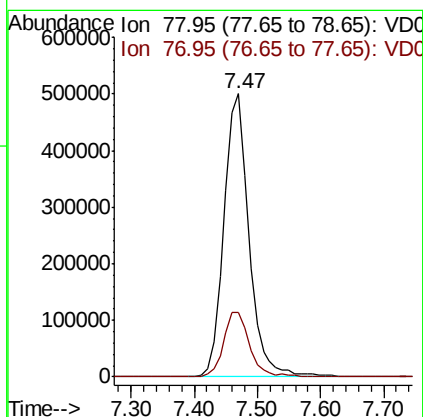
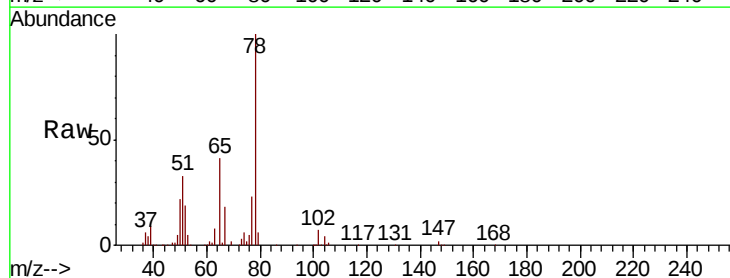
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

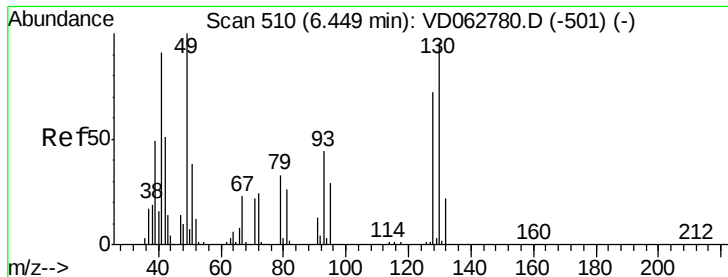
Tot Ion: 83 Resp: 586300
Ion Ratio Lower Upper
83 100
55 94.3 76.6 115.0
98 44.7 35.7 53.5



#40
Benzene
Concen: 52.412 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 78 Resp: 1381920
Ion Ratio Lower Upper
78 100
77 22.7 20.2 30.2





#41

Methacrylonitrile

Concen: 56.227 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 389489

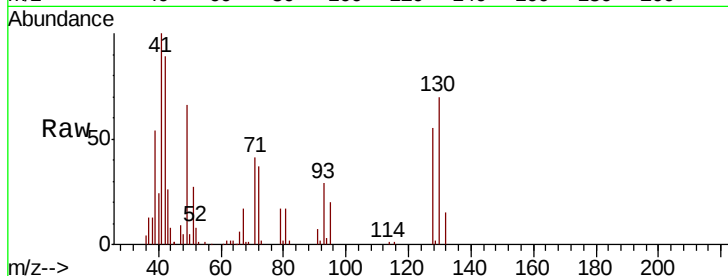
Ion Ratio Lower Upper

41 100

39 54.3 43.2 64.8

67 17.2 19.9 29.9#

52 8.3 10.2 15.4#



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

150000

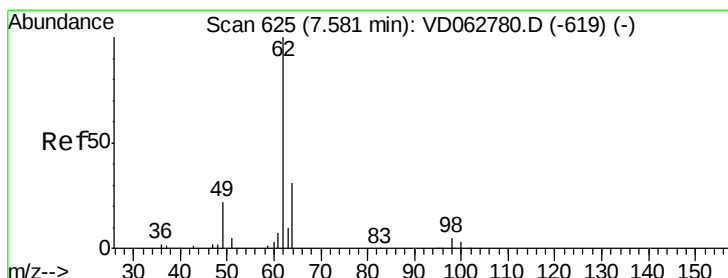
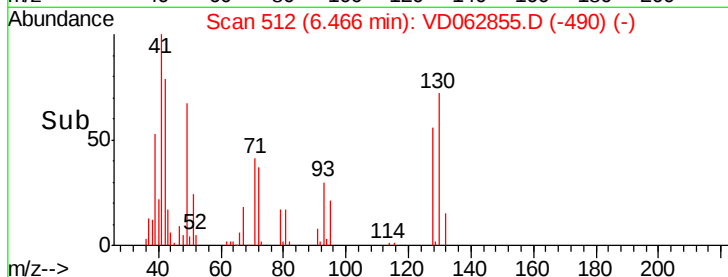
100000

50000

0

6.30 6.40 6.50 6.60

Time-->



#42

1,2-Dichloroethane

Concen: 53.454 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD062855.D

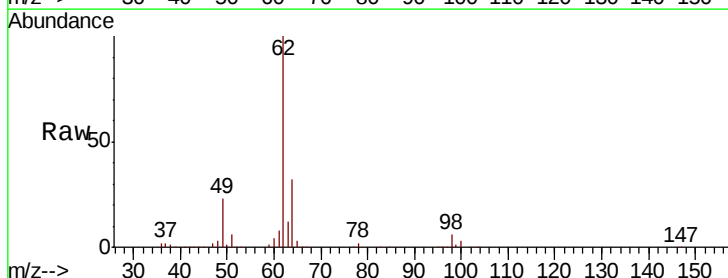
Acq: 24 Jun 2019 23:48

Tgt Ion: 62 Resp: 768858

Ion Ratio Lower Upper

62 100

98 5.7 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

300000

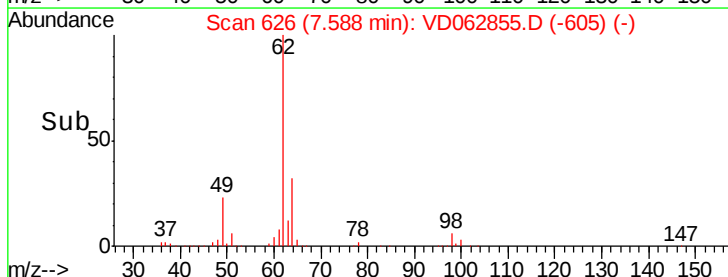
200000

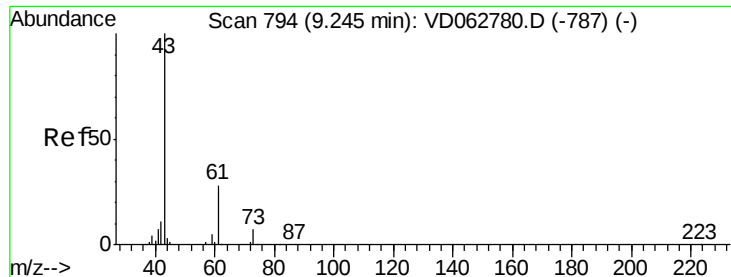
100000

0

7.50 7.60 7.70

Time-->





#43

Isopropyl Acetate

Concen: 59.301 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

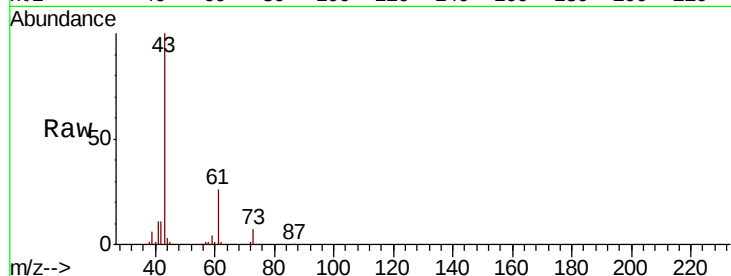
Tot Ion: 43 Resp: 408370

Ion Ratio Lower Upper

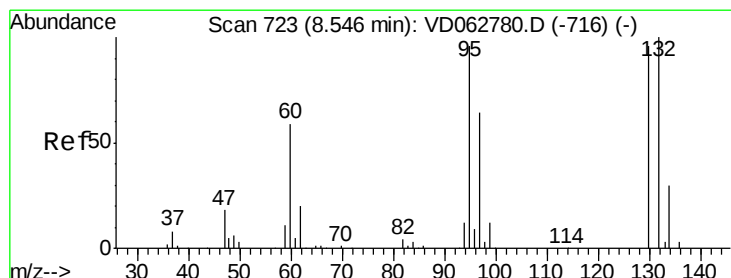
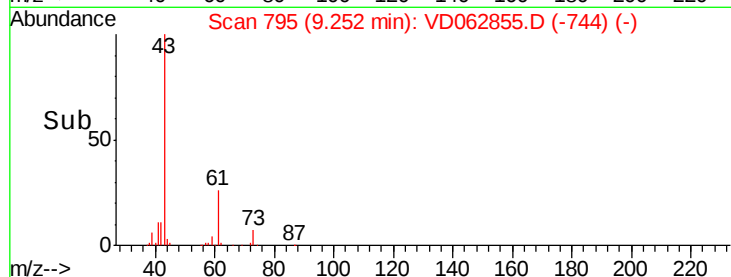
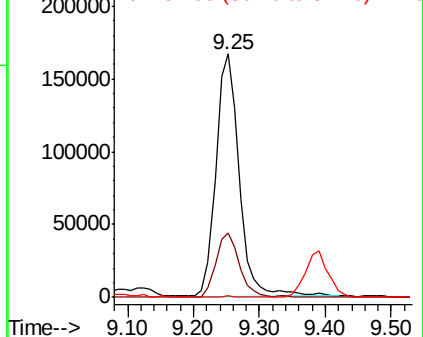
43 100

61 26.4 22.4 33.6

87 0.8 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: 50.751 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD062855.D

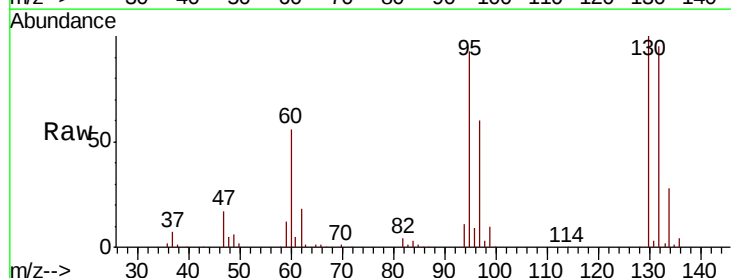
Acq: 24 Jun 2019 23:48

Tgt Ion:130 Resp: 524603

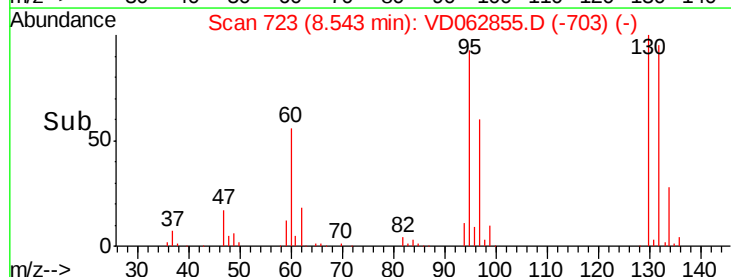
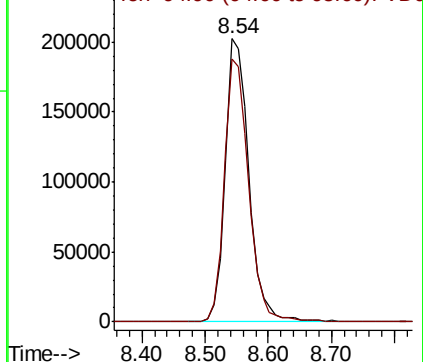
Ion Ratio Lower Upper

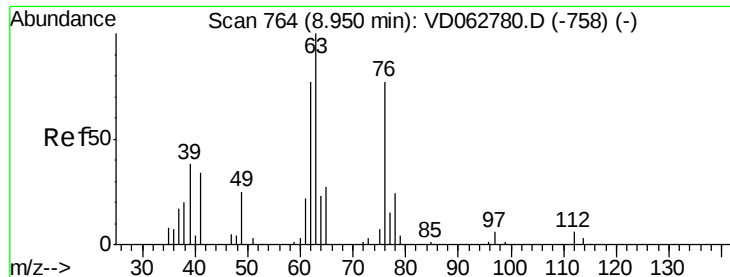
130 100

95 92.9 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: 52.103 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

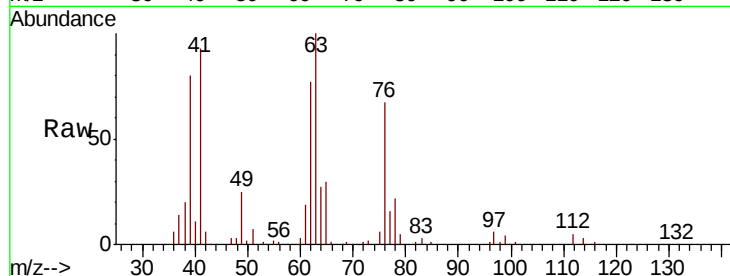
VSTDCCC050

Tot Ion: 63 Resp: 341600

Ion Ratio Lower Upper

63 100

65 29.6 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

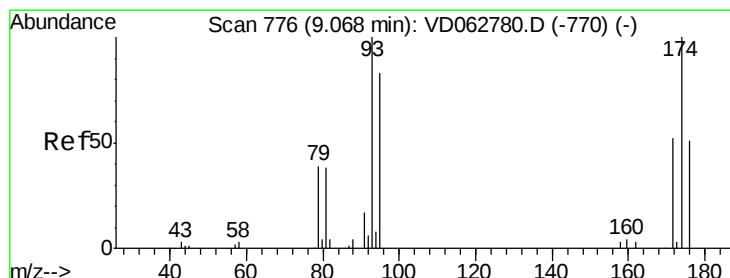
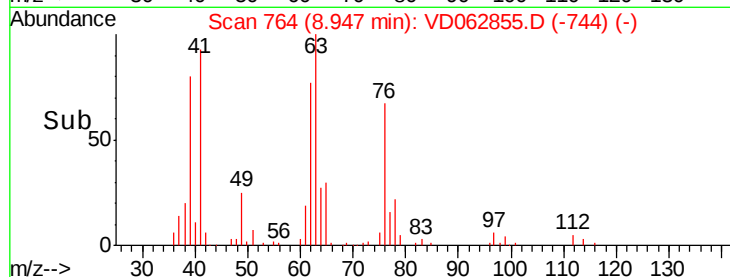
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 53.959 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

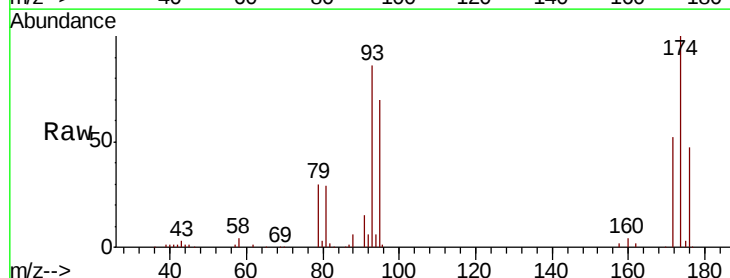
Tgt Ion: 93 Resp: 303889

Ion Ratio Lower Upper

93 100

95 81.6 66.6 100.0

174 116.6 79.7 119.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

200000

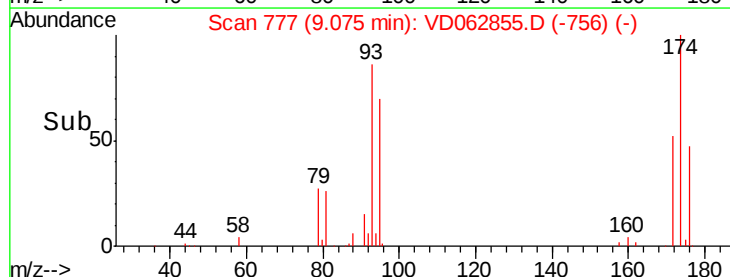
150000

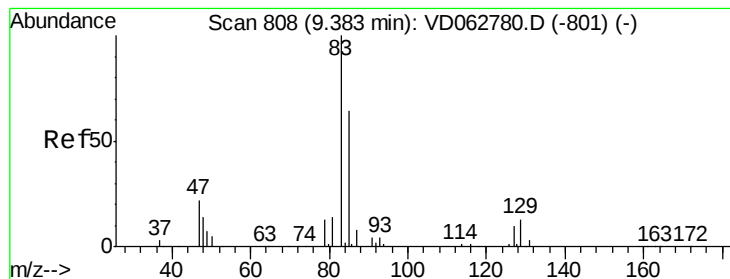
100000

50000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 52.657 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

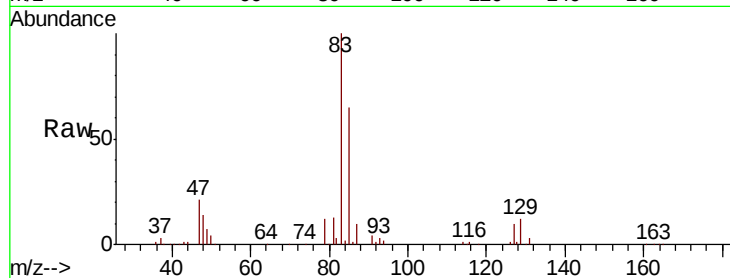
Tot Ion: 83 Resp: 770192

Ion Ratio Lower Upper

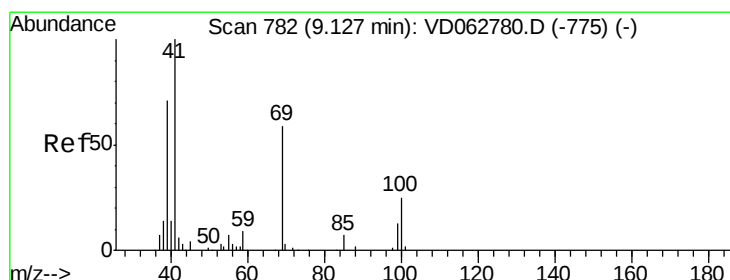
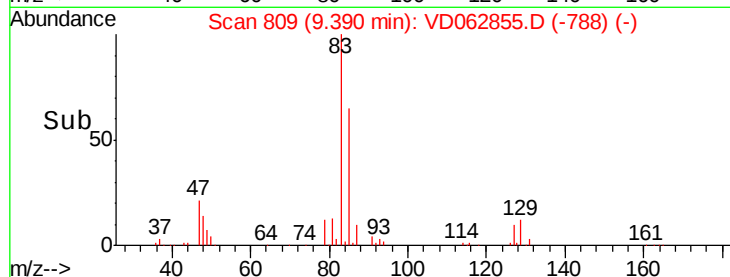
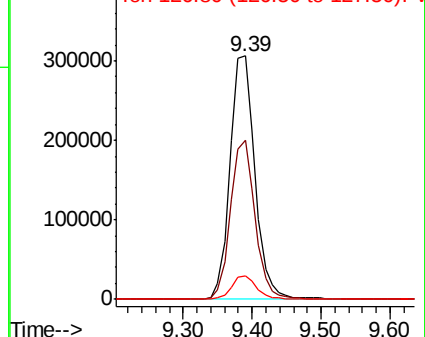
83 100

85 65.4 51.6 77.4

127 9.8 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: 57.980 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

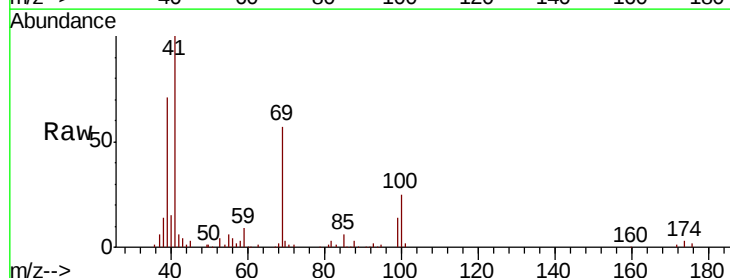
Tgt Ion: 41 Resp: 283736

Ion Ratio Lower Upper

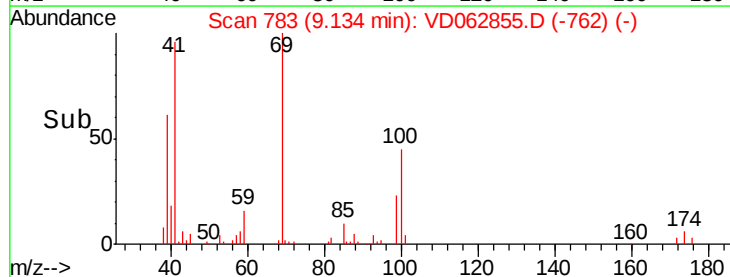
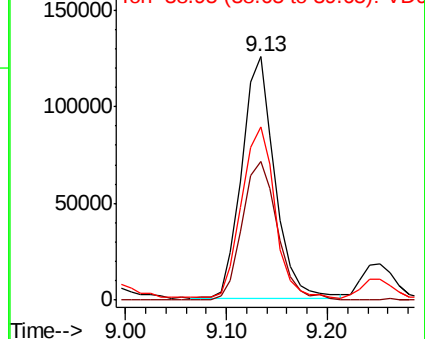
41 100

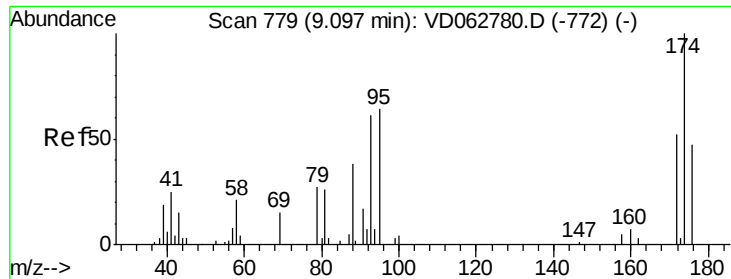
69 56.7 47.2 70.8

39 71.3 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

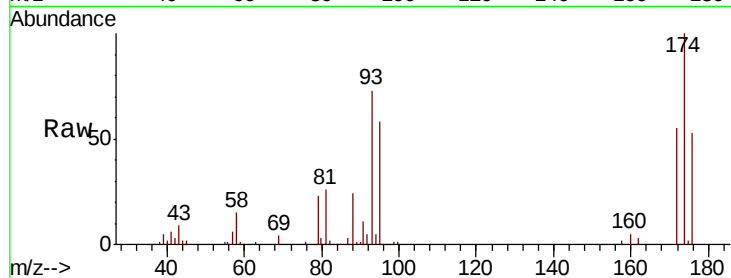




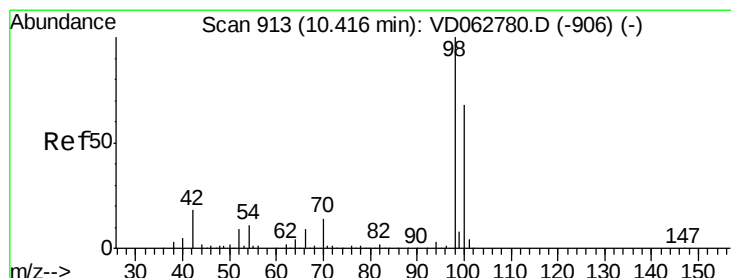
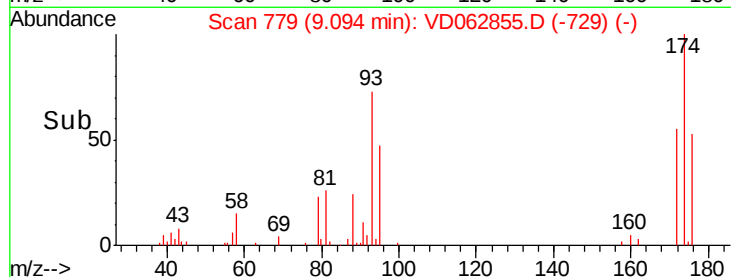
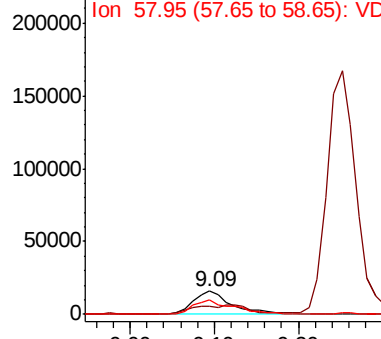
#49
1,4-Dioxane
Concen: 1221.604 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 49736
Ion Ratio Lower Upper
88 100
43 35.3 32.1 48.1
58 62.7 44.1 66.1

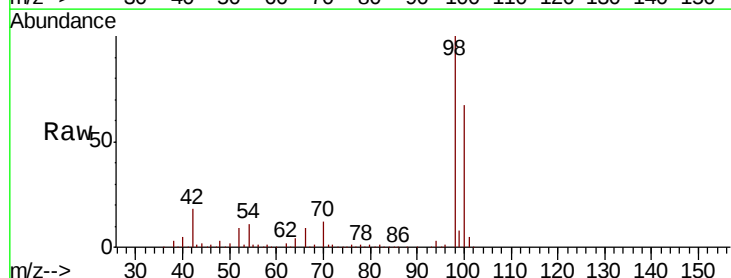


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

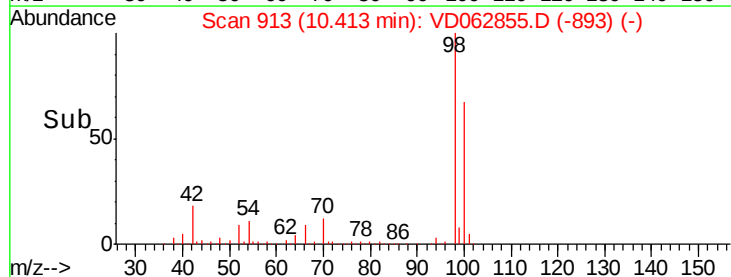
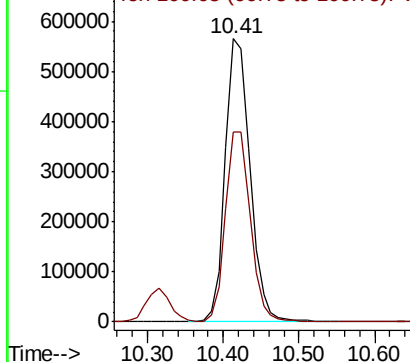


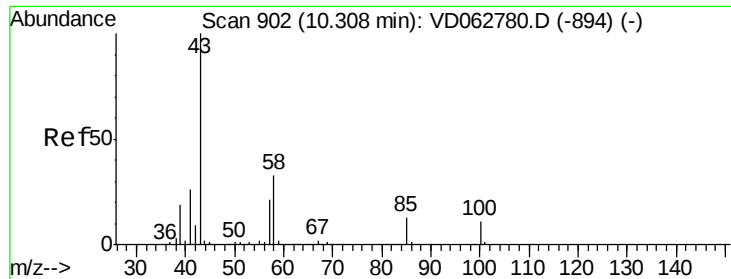
#50
Toluene-d8
Concen: 50.557 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 98 Resp: 1287404
Ion Ratio Lower Upper
98 100
100 67.3 54.7 82.1



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

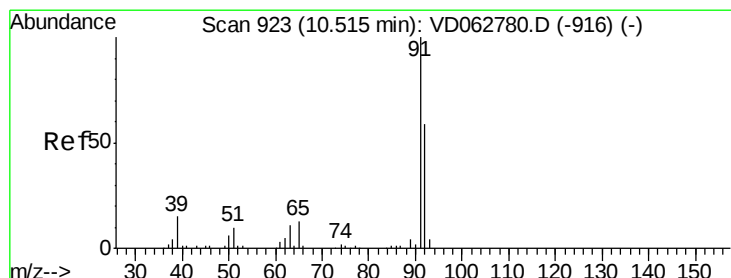
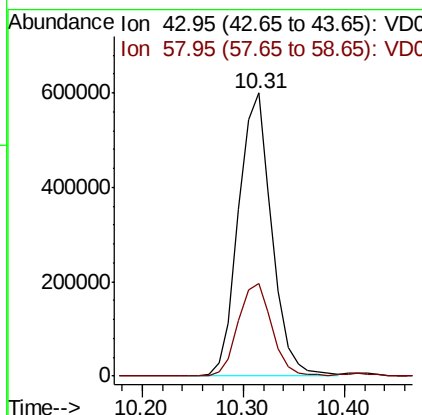
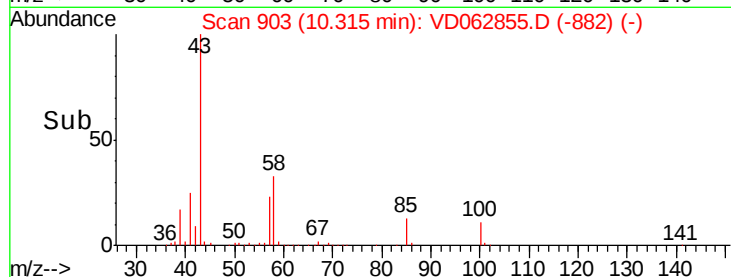
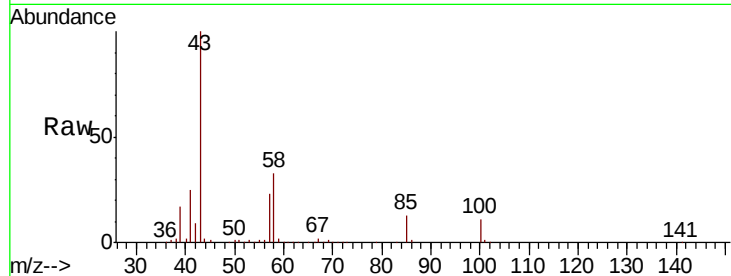




#51
4-Methyl-2-Pentanone
Concen: 281.943 ug/l
RT: 10.31 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

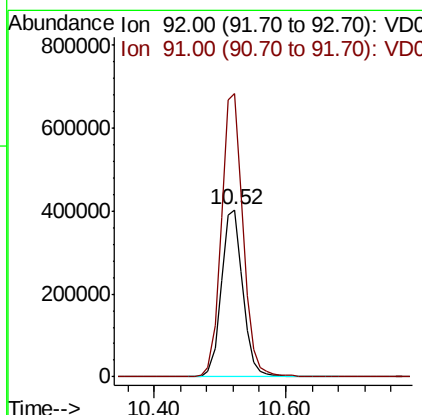
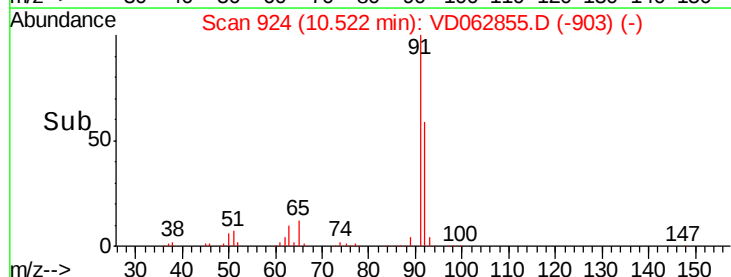
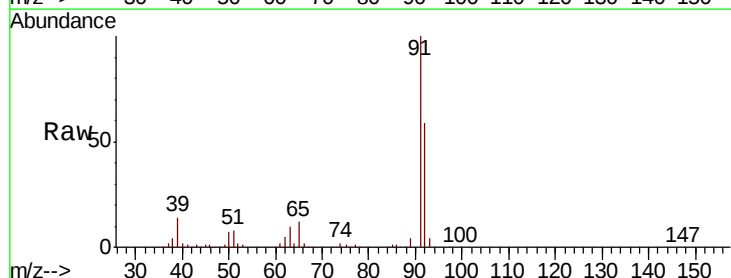
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

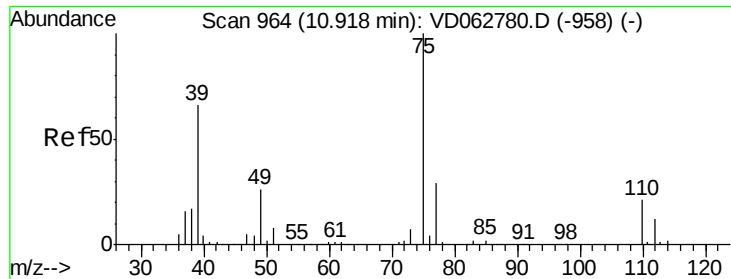
Tot Ion: 43 Resp: 1376562
Ion Ratio Lower Upper
43 100
58 32.6 26.6 40.0



#52
Toluene
Concen: 51.738 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 92 Resp: 916985
Ion Ratio Lower Upper
92 100
91 169.6 136.3 204.5

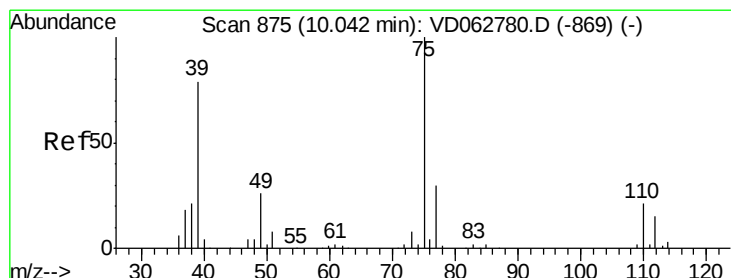
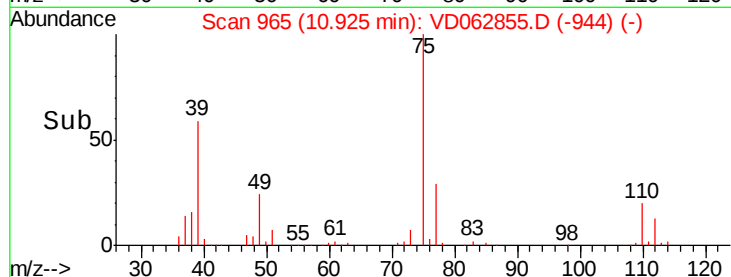
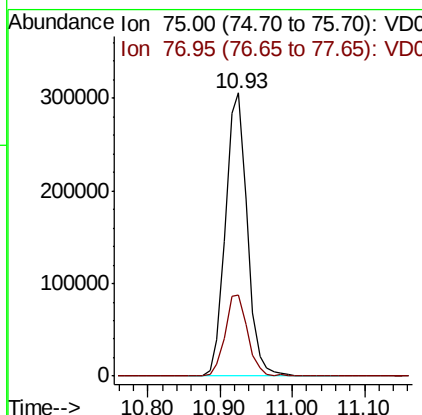
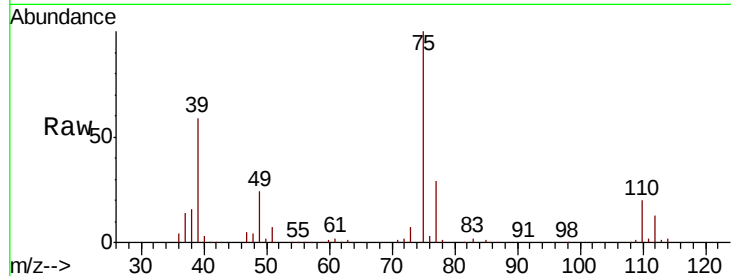




#53
 t-1,3-Dichloropropene
 Concen: 53.597 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

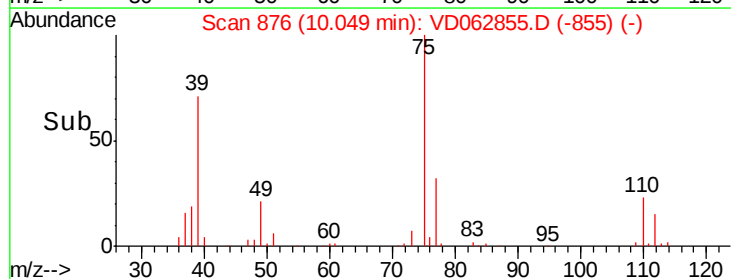
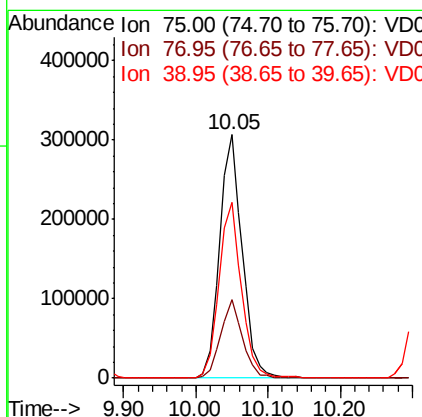
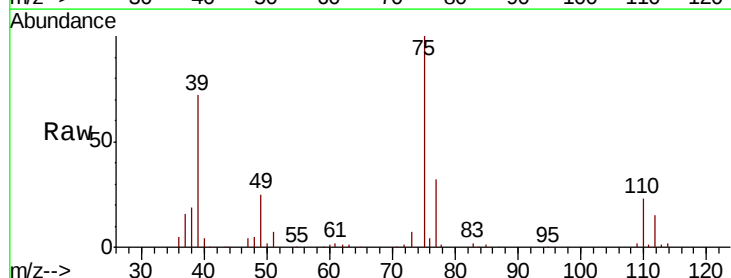
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

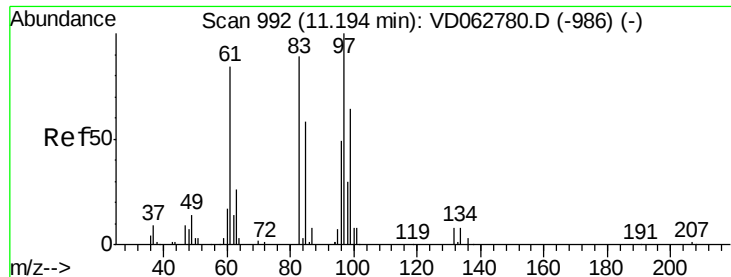
Tot Ion: 75 Resp: 641648
 Ion Ratio Lower Upper
 75 100
 77 28.7 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 50.604 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion: 75 Resp: 658468
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.2 36.2
 39 72.2 63.5 95.3

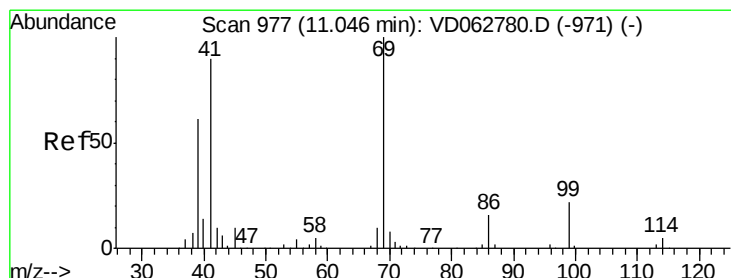
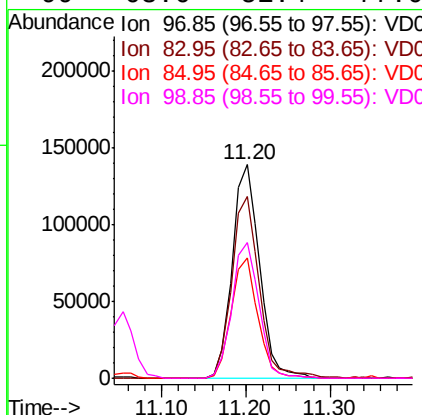
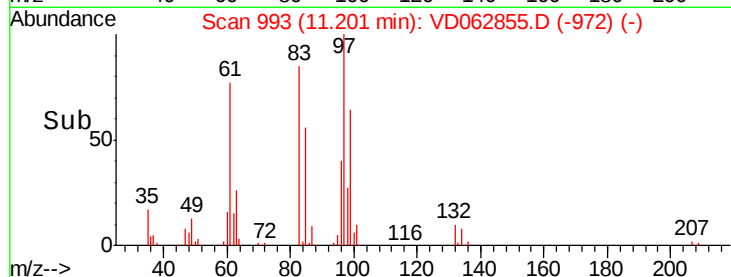
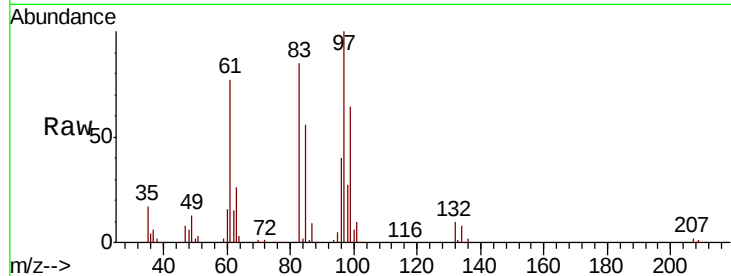




#55
 1,1,2-Trichloroethane
 Concen: 51.307 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

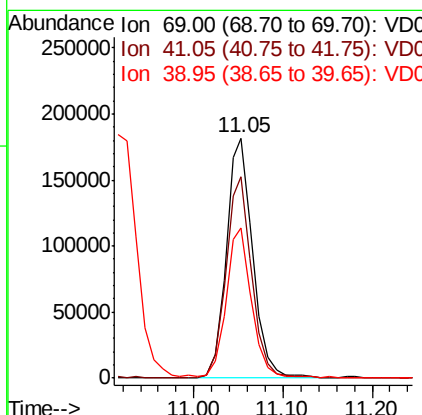
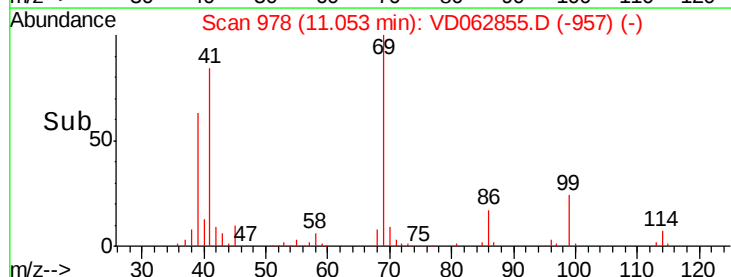
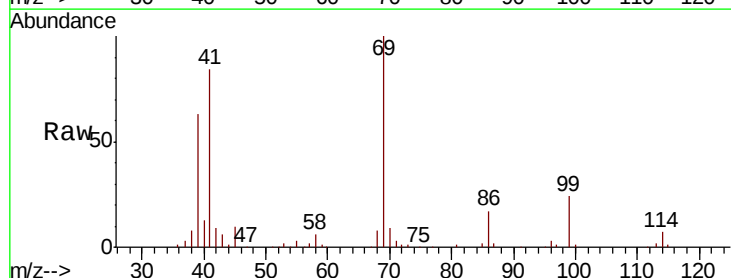
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

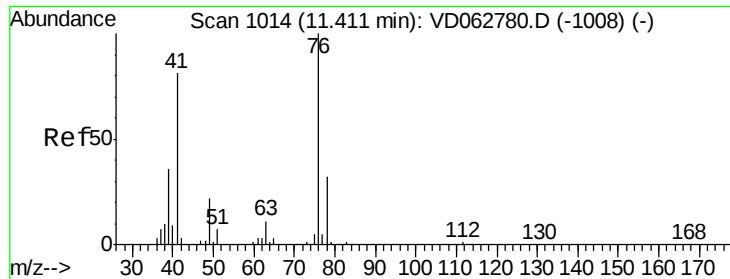
Tot Ion: 97 Resp: 312418
 Ion Ratio Lower Upper
 97 100
 83 85.3 71.0 106.4
 85 56.1 46.6 69.8
 99 63.6 51.4 77.0



#56
 Ethyl methacrylate
 Concen: 57.871 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion: 69 Resp: 376594
 Ion Ratio Lower Upper
 69 100
 41 83.8 72.0 108.0
 39 62.7 49.5 74.3





#57

1,3-Dichloropropane

Concen: 54.132 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

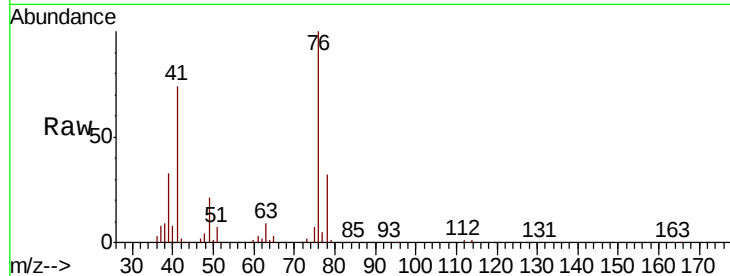
VSTDCCC050

Tot Ion: 76 Resp: 504702

Ion Ratio Lower Upper

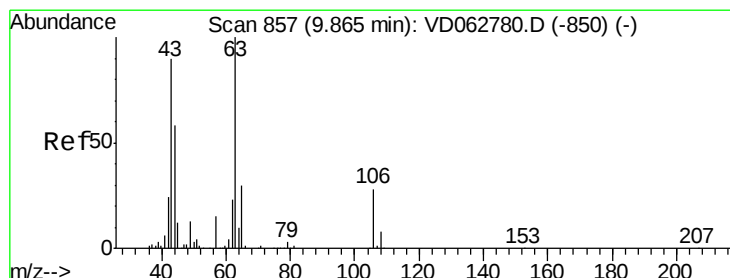
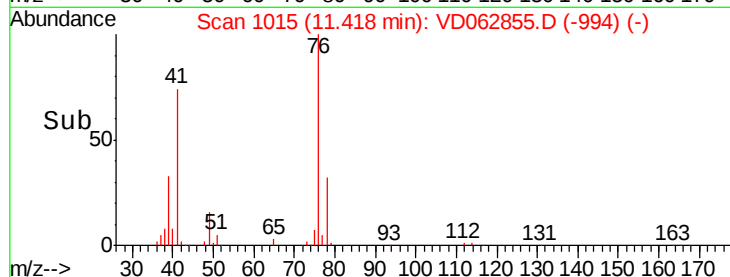
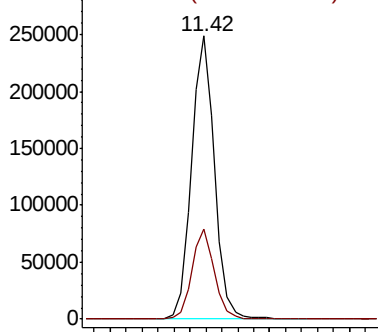
76 100

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: 286.078 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062855.D

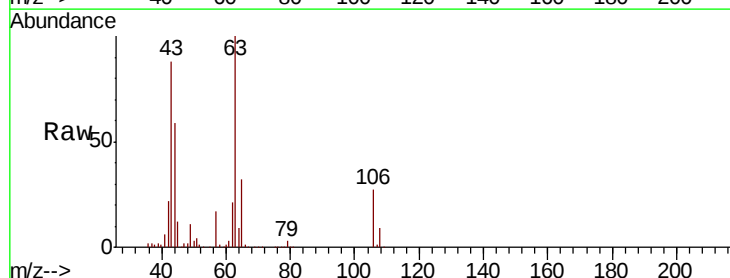
Acq: 24 Jun 2019 23:48

Tgt Ion: 63 Resp: 955733

Ion Ratio Lower Upper

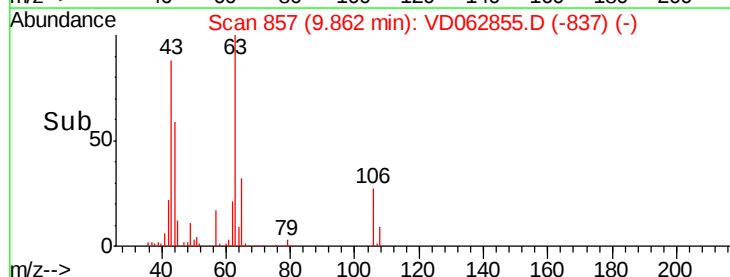
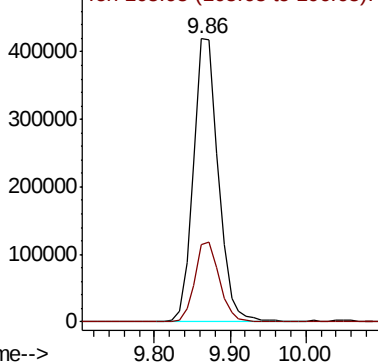
63 100

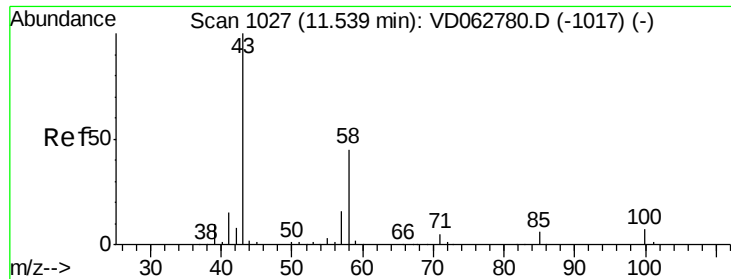
106 27.3 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

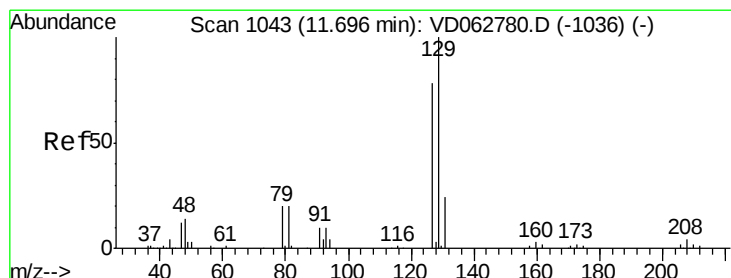
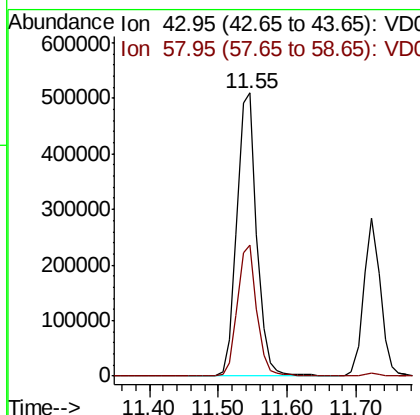
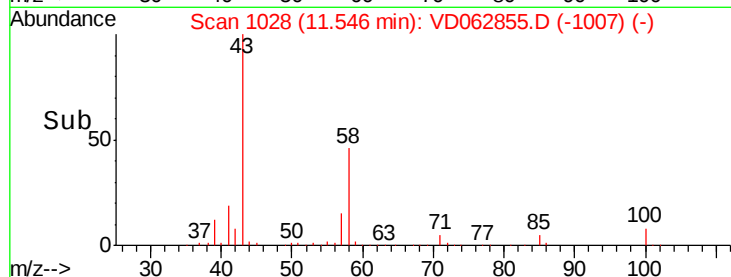
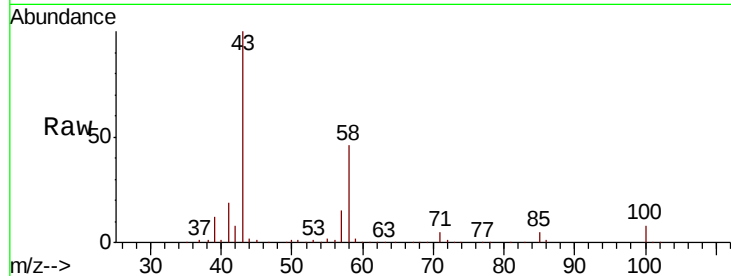




#59
2-Hexanone
Concen: 293.426 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

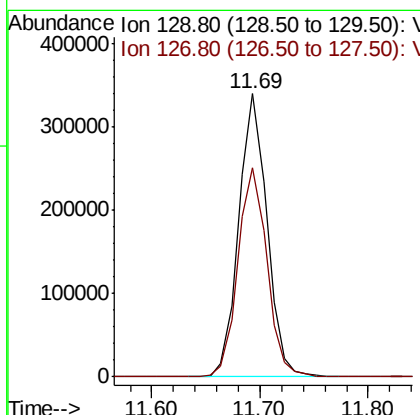
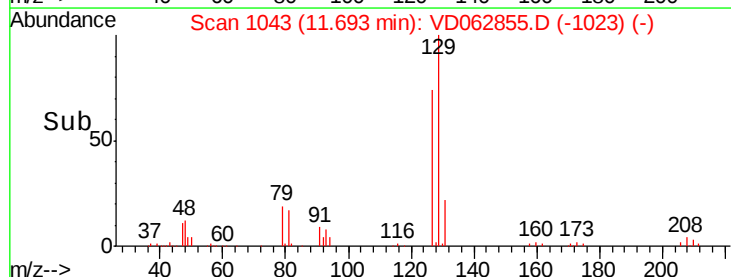
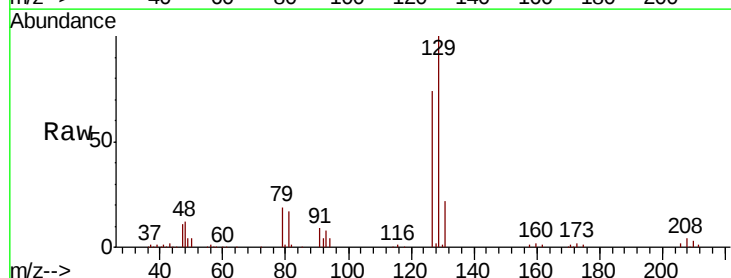
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

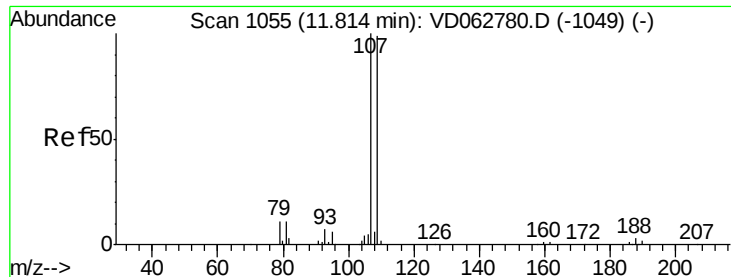
Tot Ion: 43 Resp: 1020300
Ion Ratio Lower Upper
43 100
58 46.2 22.4 67.2



#60
Dibromochloromethane
Concen: 54.420 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion:129 Resp: 617228
Ion Ratio Lower Upper
129 100
127 73.9 38.9 116.6

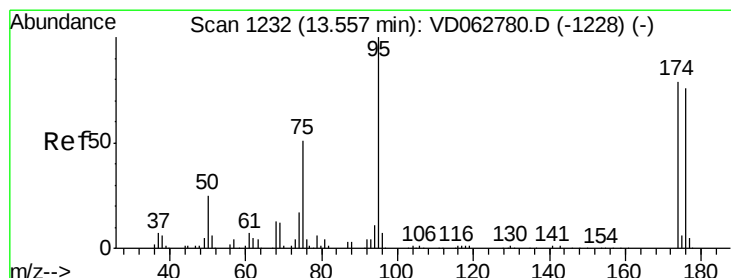
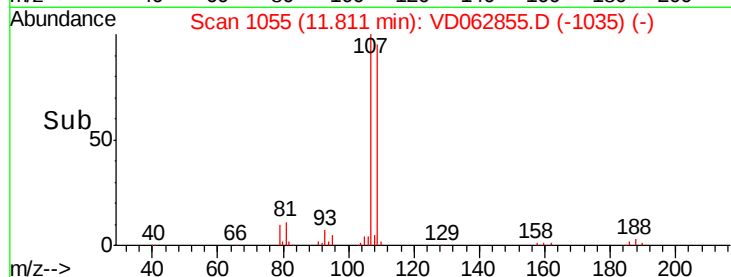
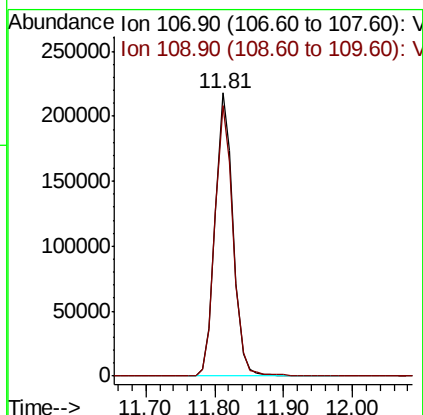
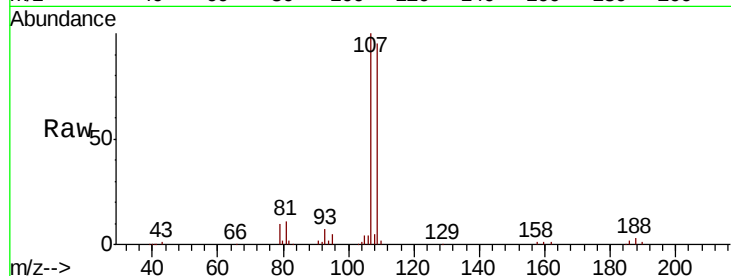




#61
1,2-Dibromoethane
Concen: 54.411 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

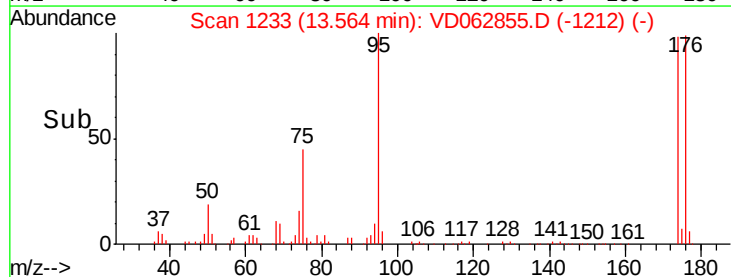
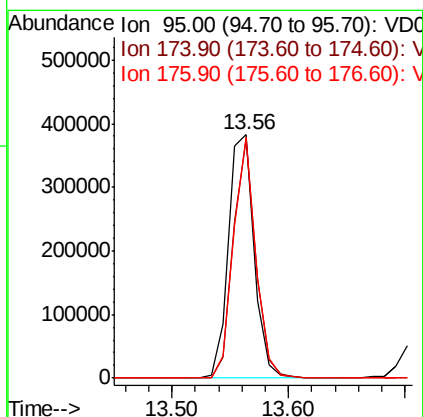
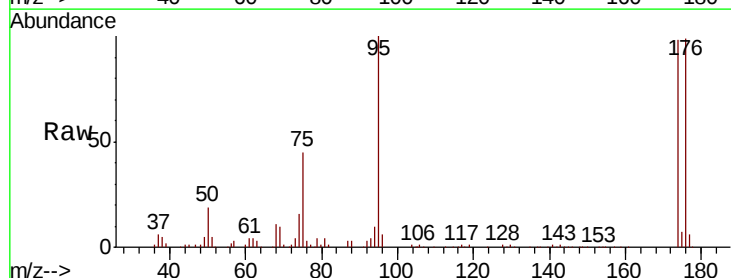
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

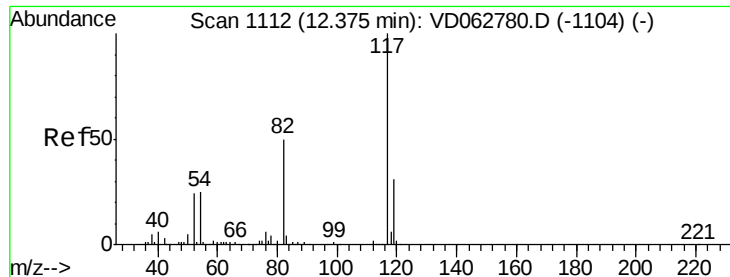
Tot Ion:107 Resp: 391300
Ion Ratio Lower Upper
107 100
109 95.4 79.3 118.9



#62
4-Bromofluorobenzene
Concen: 50.291 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 95 Resp: 582313
Ion Ratio Lower Upper
95 100
174 98.1 0.0 158.0
176 99.1 0.0 151.6

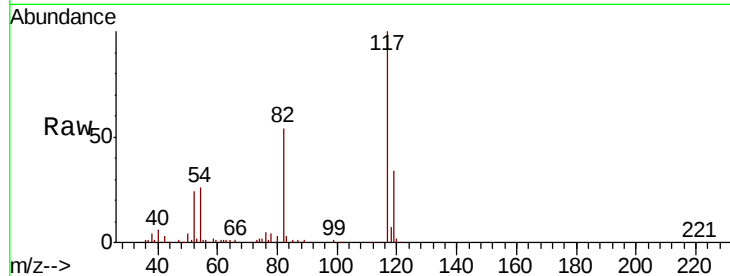




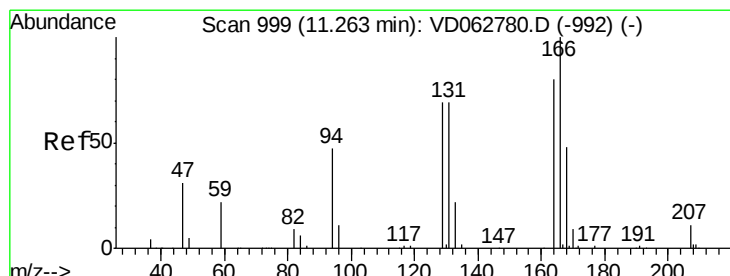
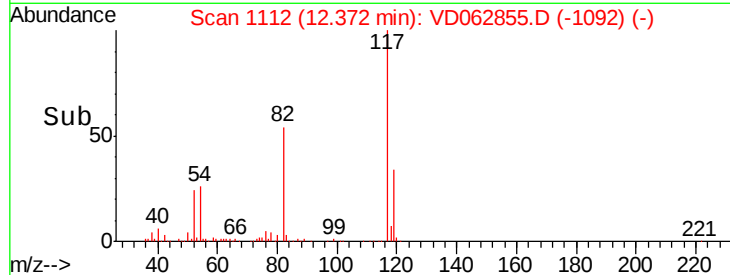
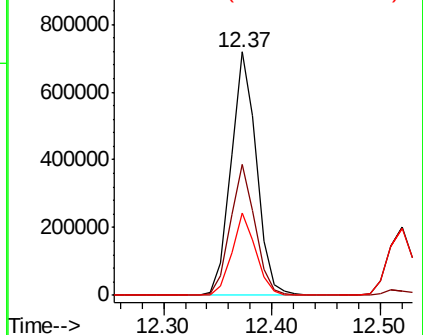
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1175741
Ion Ratio Lower Upper
117 100
82 53.8 40.4 60.6
119 33.7 25.2 37.8

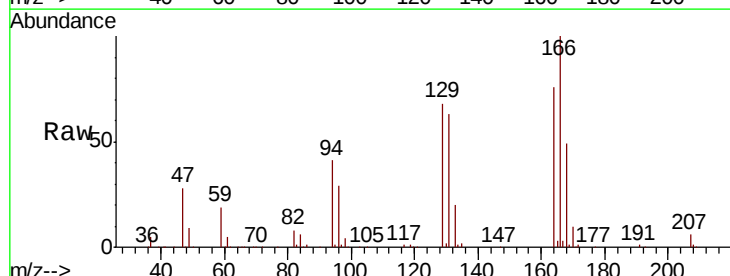


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

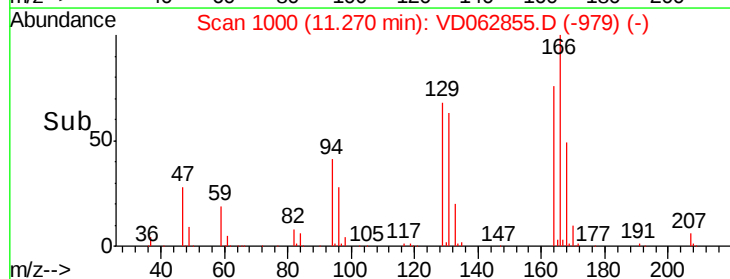
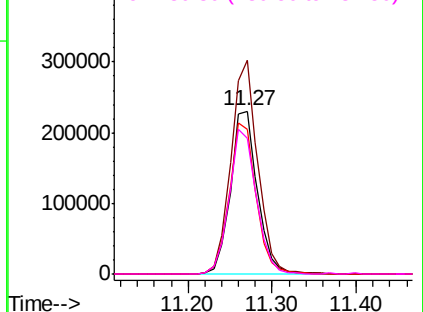


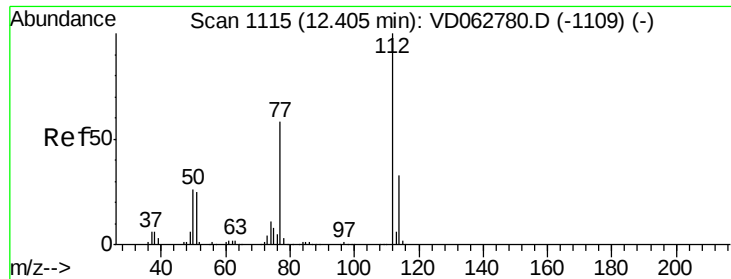
#64
Tetrachloroethene
Concen: 52.694 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion:164 Resp: 509904
Ion Ratio Lower Upper
164 100
166 130.9 100.6 150.8
129 88.7 69.4 104.0
131 83.0 69.3 103.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 53.165 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

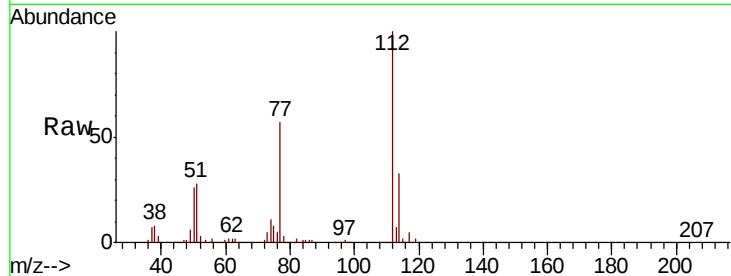
VSTDCCC050

Tot Ion:112 Resp: 1160078

Ion Ratio Lower Upper

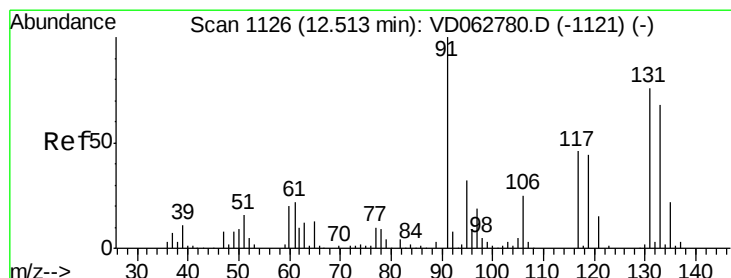
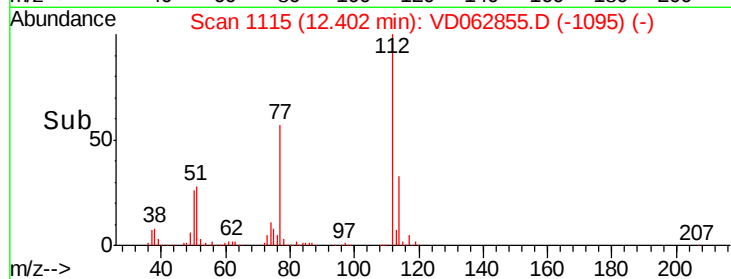
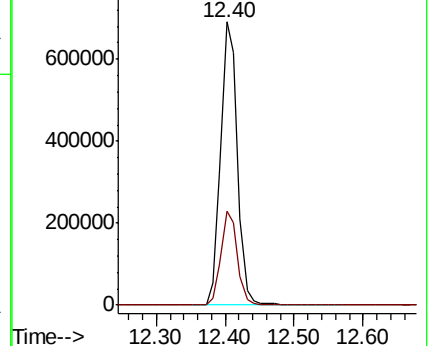
112 100

114 33.3 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.674 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

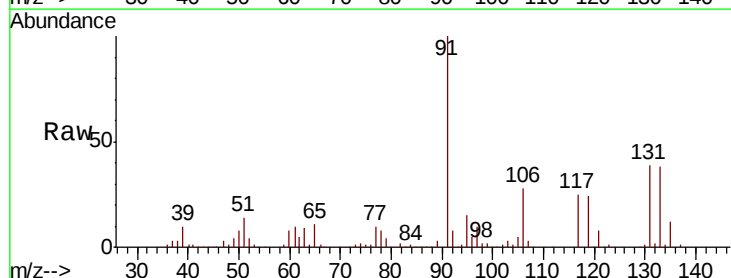
Tgt Ion:131 Resp: 527312

Ion Ratio Lower Upper

131 100

133 98.5 44.5 133.3

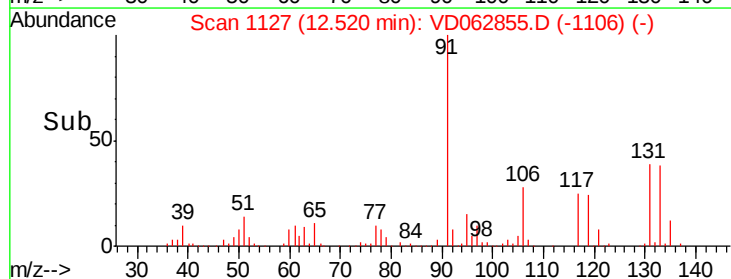
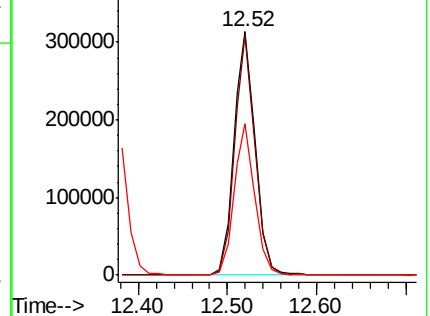
119 62.4 28.6 85.9

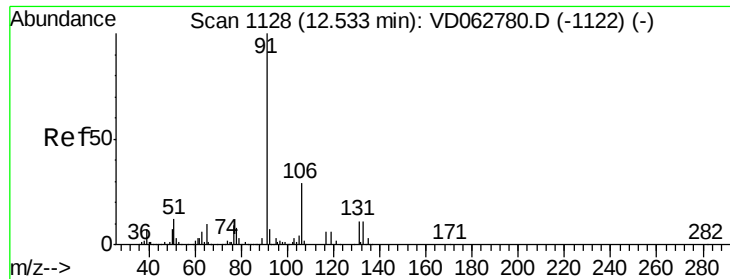


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

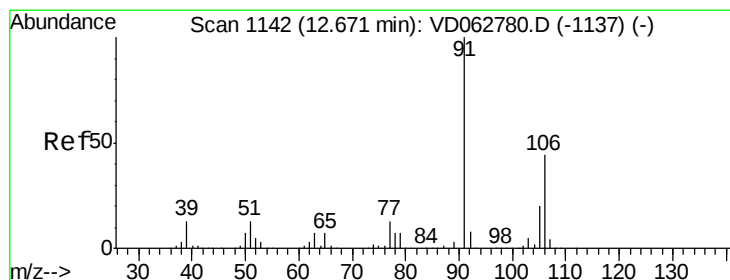
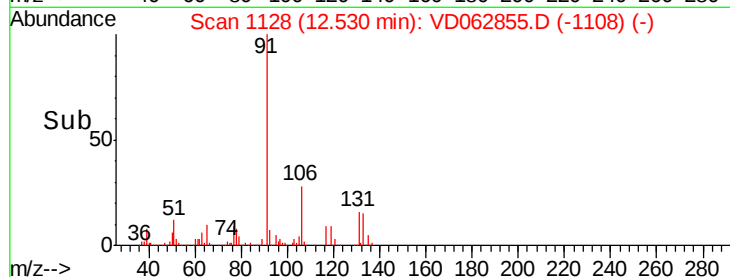
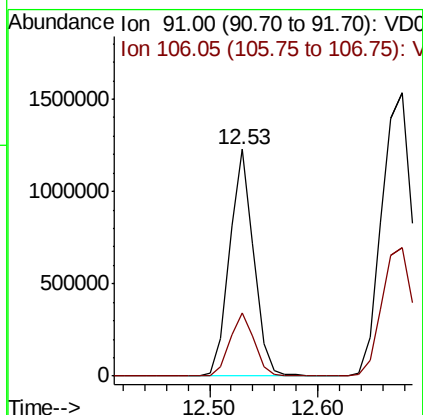
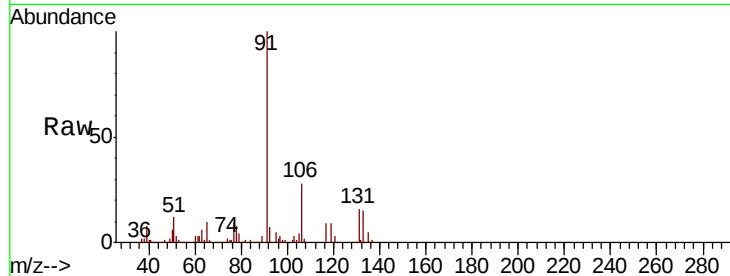




#67
Ethyl Benzene
Concen: 48.407 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

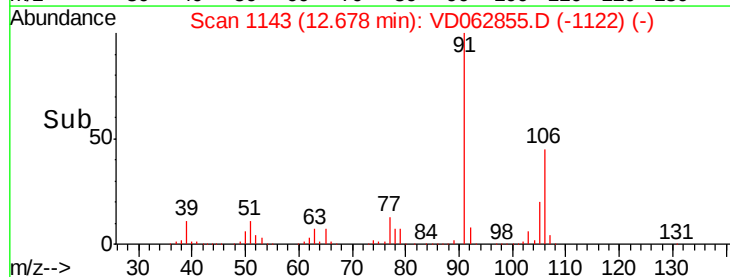
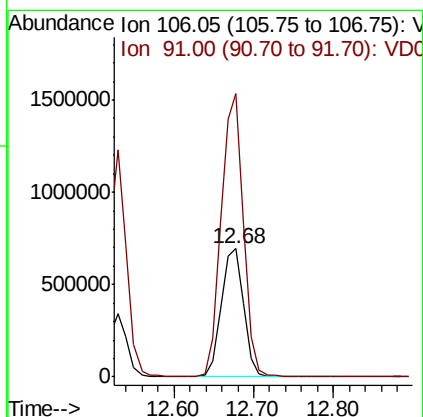
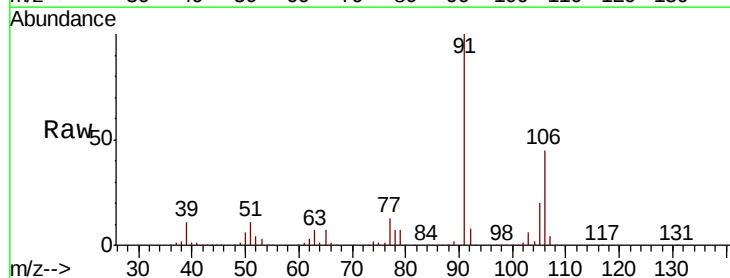
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

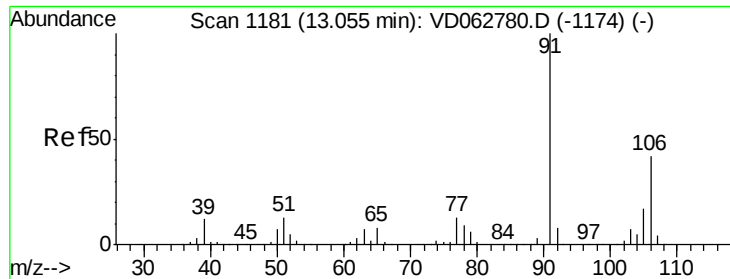
Tot Ion: 91 Resp: 1896394
Ion Ratio Lower Upper
91 100
106 28.0 23.1 34.7



#68
m/p-Xylenes
Concen: 101.007 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion: 106 Resp: 1378215
Ion Ratio Lower Upper
106 100
91 220.8 183.0 274.6

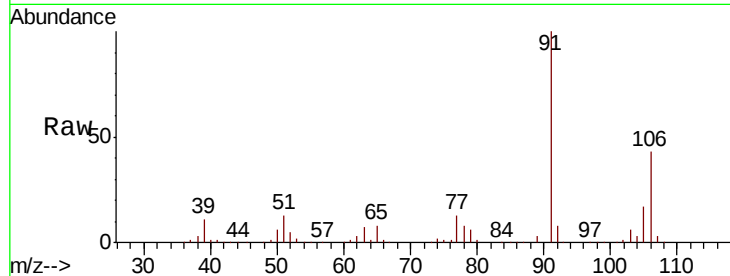




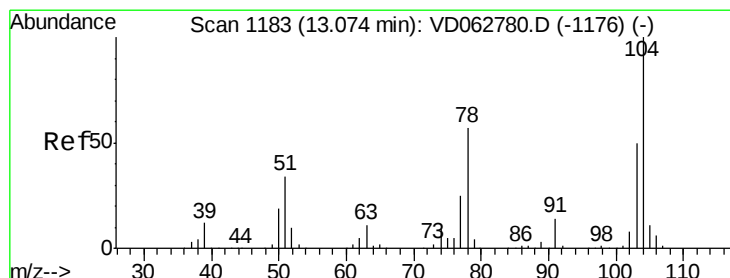
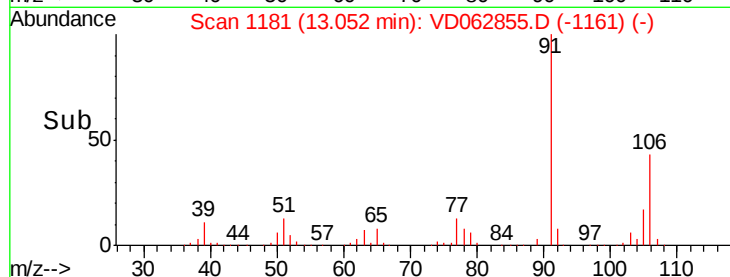
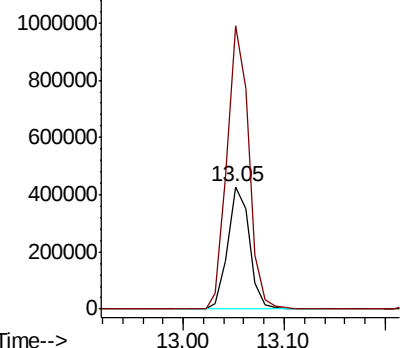
#69
o-Xylene
Concen: 51.501 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 642395
Ion Ratio Lower Upper
106 100
91 231.7 117.9 353.6

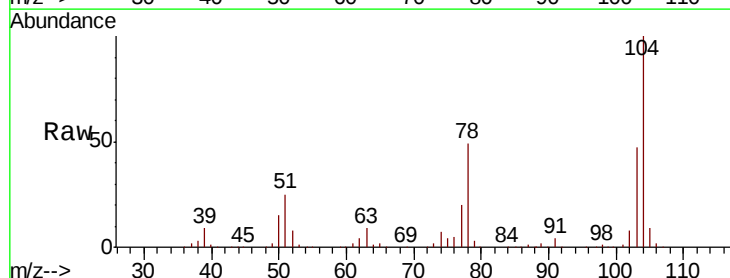


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

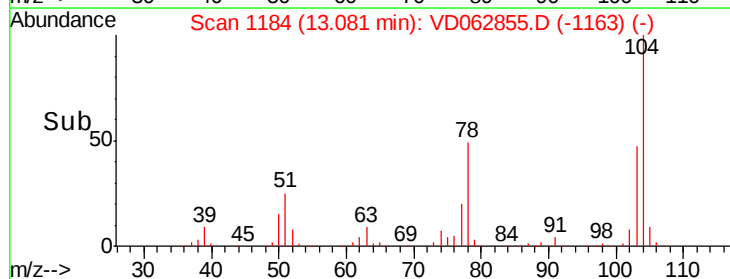
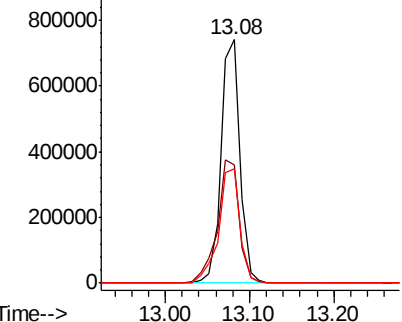


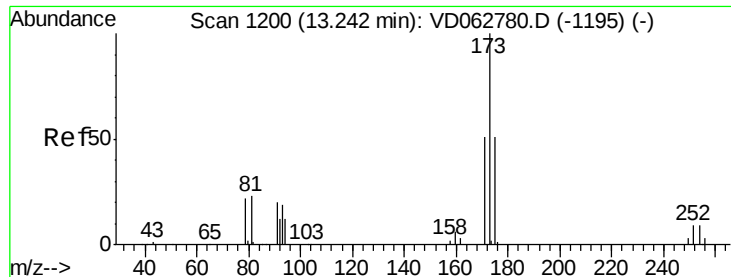
#70
Styrene
Concen: 52.539 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion:104 Resp: 1151069
Ion Ratio Lower Upper
104 100
78 48.5 45.4 68.2
103 46.8 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

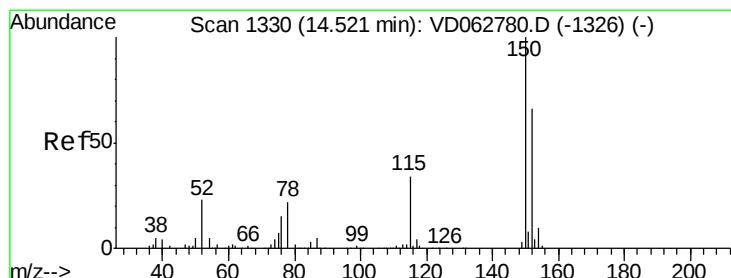
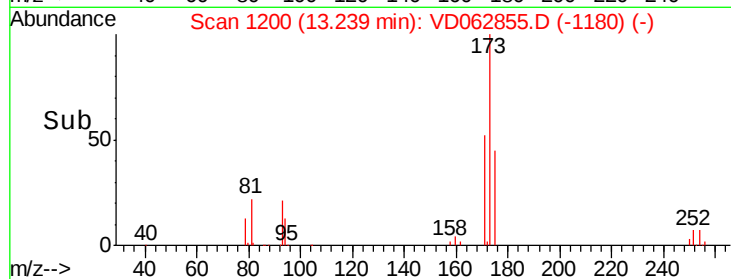
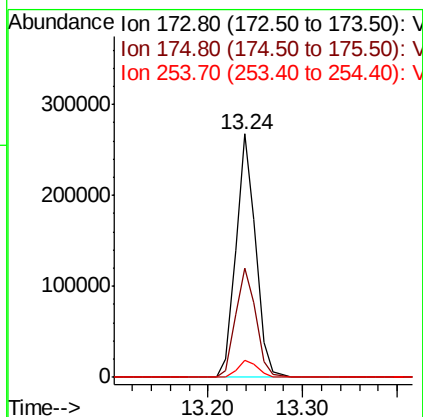
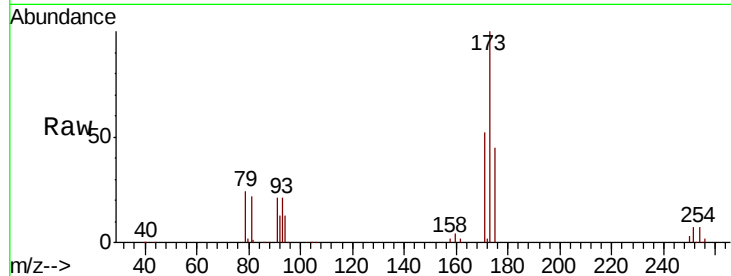




#71
Bromoform
Concen: 55.032 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

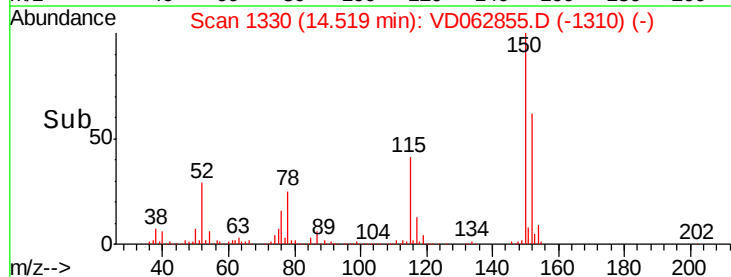
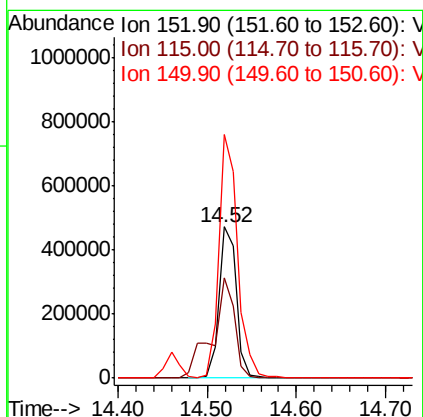
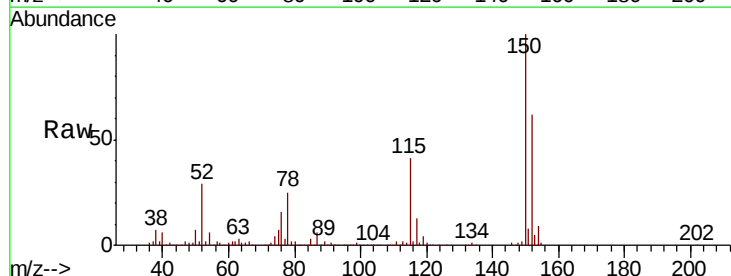
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

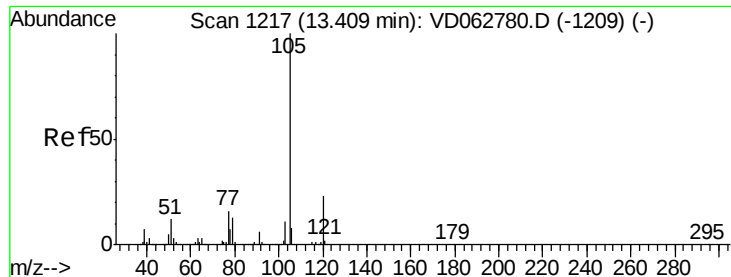
Tot Ion:173 Resp: 384757
Ion Ratio Lower Upper
173 100
175 44.9 25.3 75.9
254 7.0 7.1 10.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062855.D
Acq: 24 Jun 2019 23:48

Tgt Ion:152 Resp: 643825
Ion Ratio Lower Upper
152 100
115 66.2 29.2 87.6
150 161.1 0.0 305.8





#73

Isopropylbenzene

Concen: 49.355 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

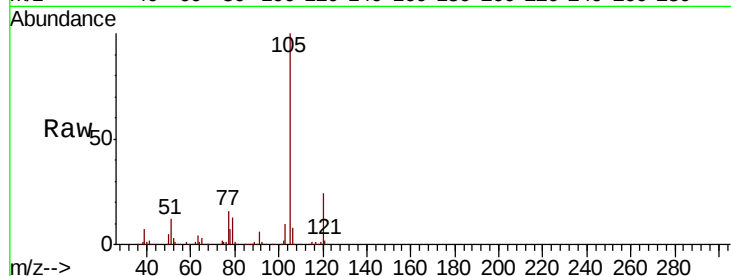
VSTDCCC050

Tot Ion:105 Resp: 2037427

Ion Ratio Lower Upper

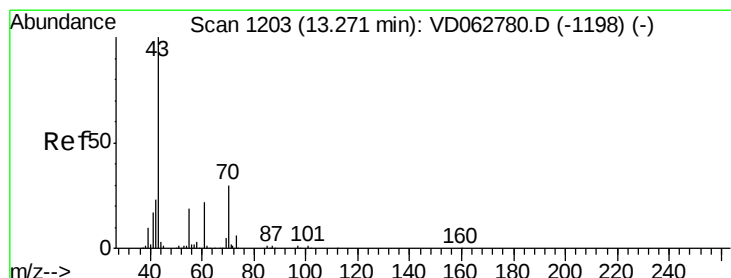
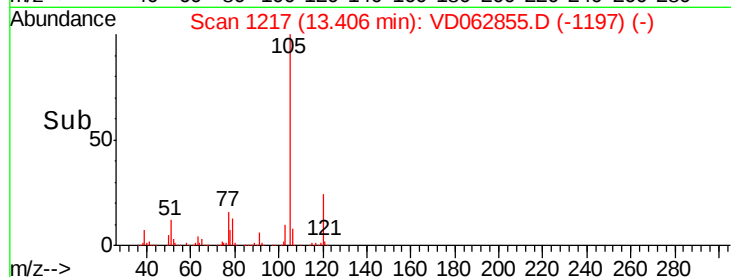
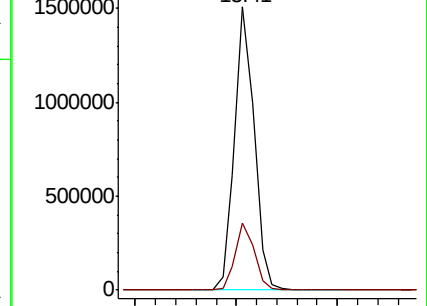
105 100

120 23.6 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: 55.882 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Tgt Ion: 43 Resp: 560213

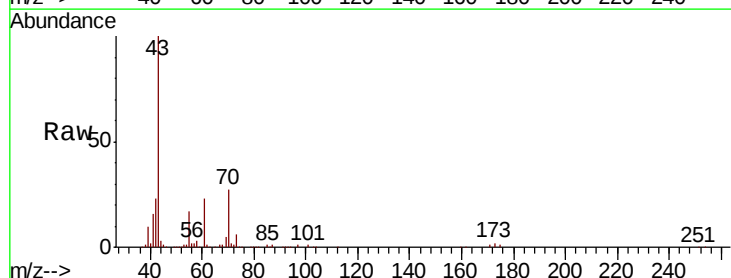
Ion Ratio Lower Upper

43 100

70 26.8 24.4 36.6

55 16.9 15.2 22.8

61 22.9 17.4 26.2

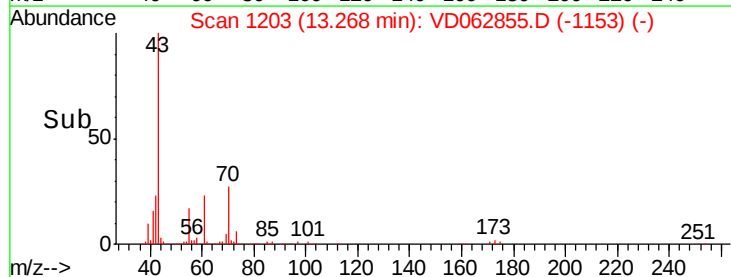
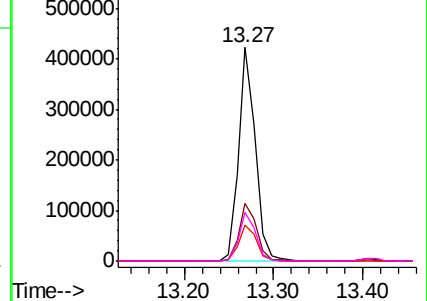


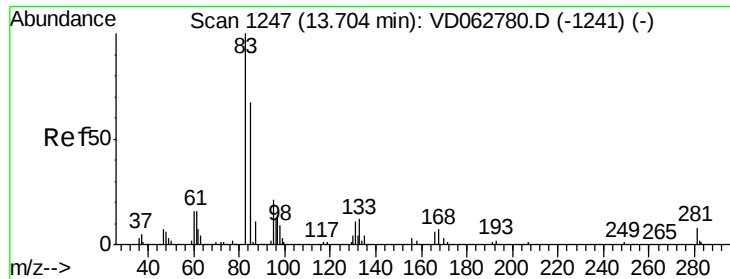
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 55.846 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

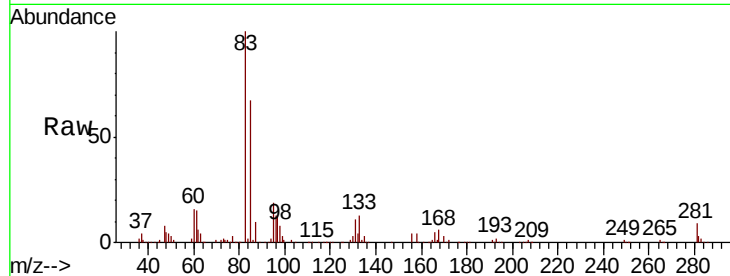
Tot Ion: 83 Resp: 375624

Ion Ratio Lower Upper

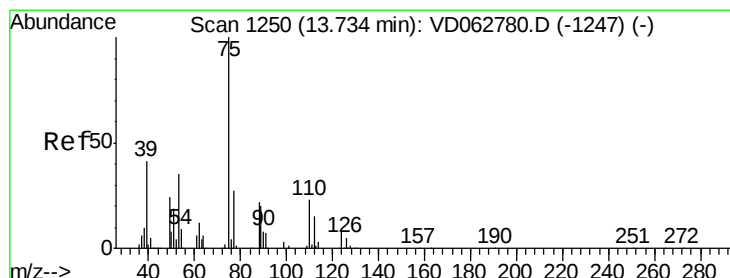
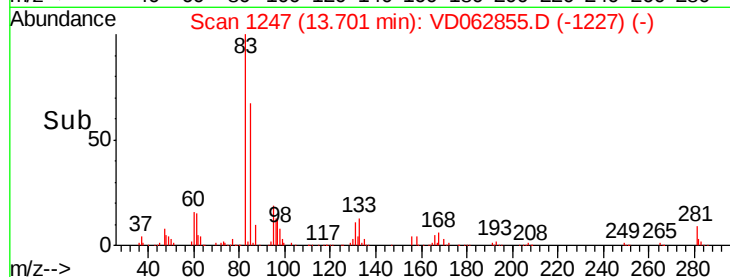
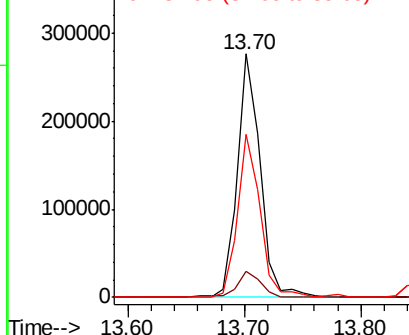
83 100

131 10.7 5.3 16.1

85 67.1 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: 49.205 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062855.D

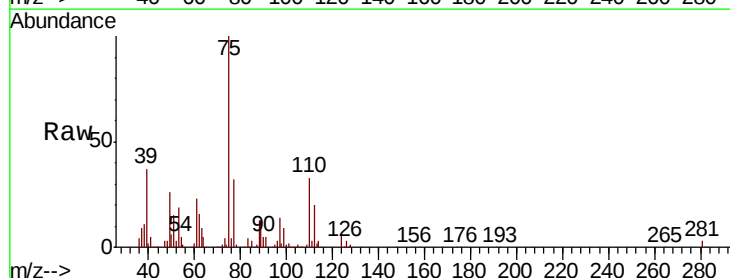
Acq: 24 Jun 2019 23:48

Tgt Ion: 75 Resp: 365717

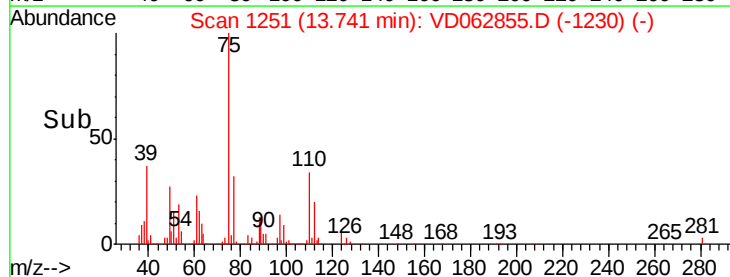
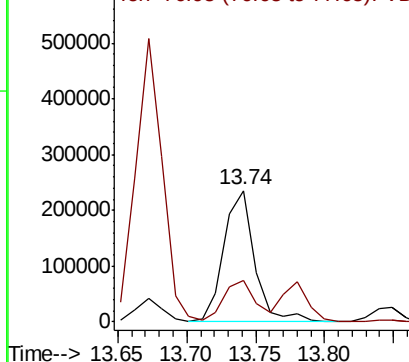
Ion Ratio Lower Upper

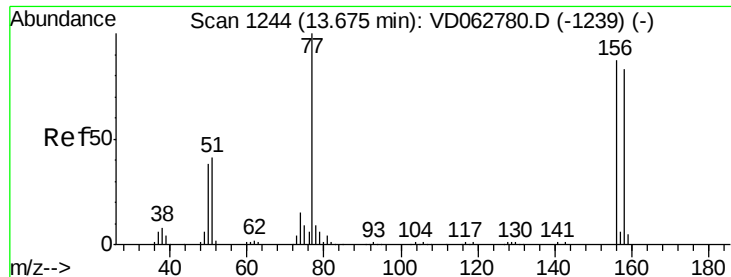
75 100

77 32.0 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: 51.308 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

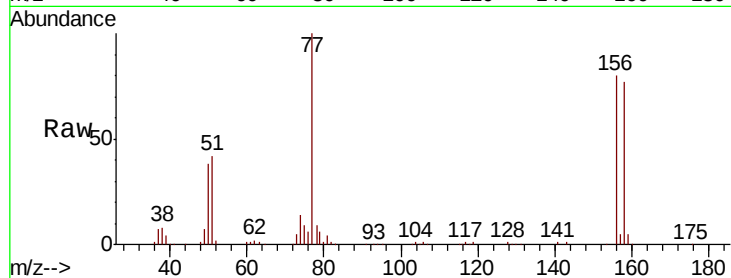
Tot Ion:156 Resp: 569694

Ion Ratio Lower Upper

156 100

77 125.3 57.7 173.1

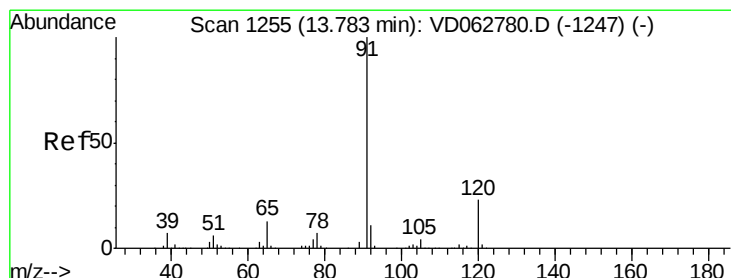
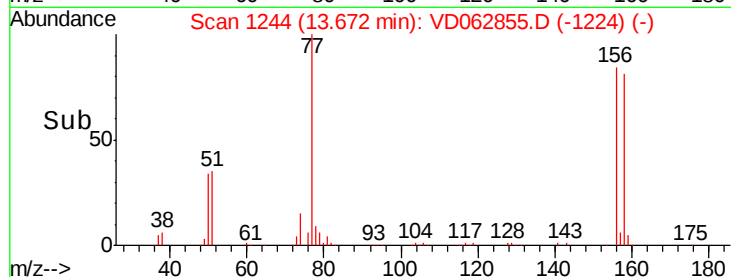
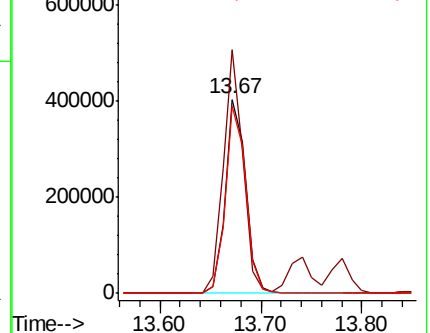
158 96.2 47.7 143.1



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: 47.393 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062855.D

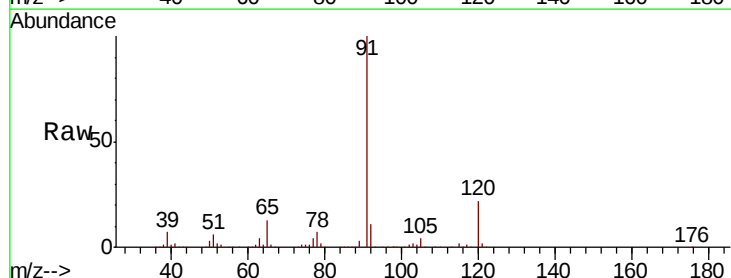
Acq: 24 Jun 2019 23:48

Tgt Ion: 91 Resp: 2277092

Ion Ratio Lower Upper

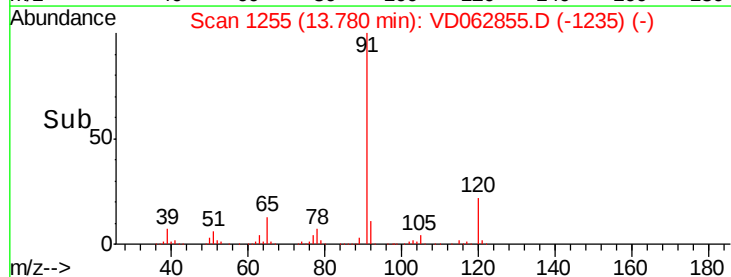
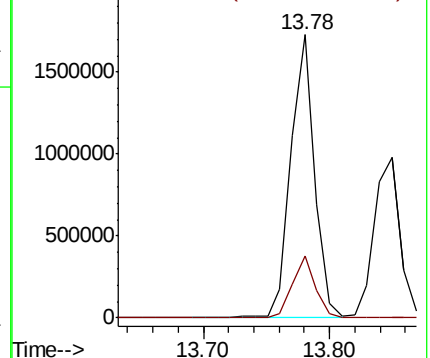
91 100

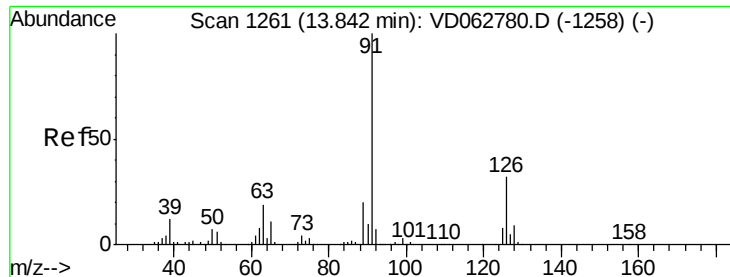
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

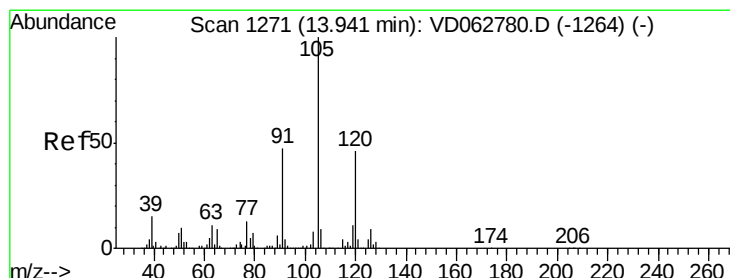
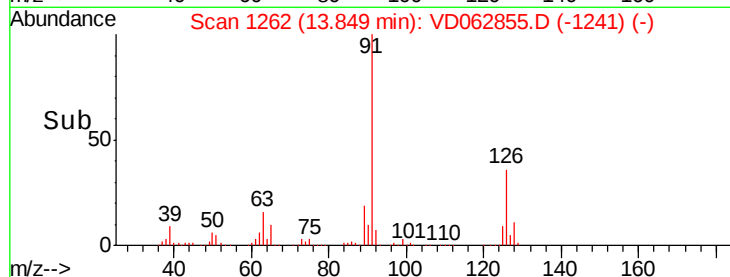
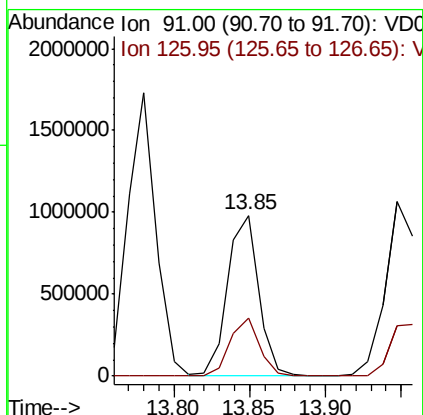
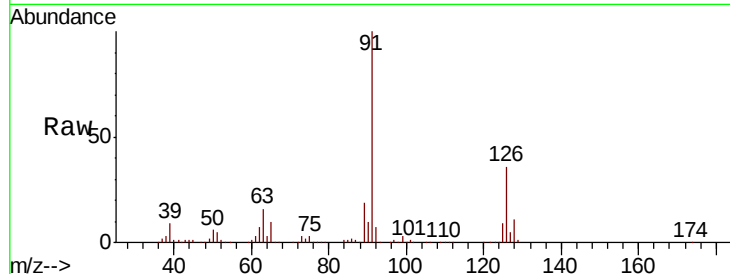




#79
 2-Chlorotoluene
 Concen: 51.104 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

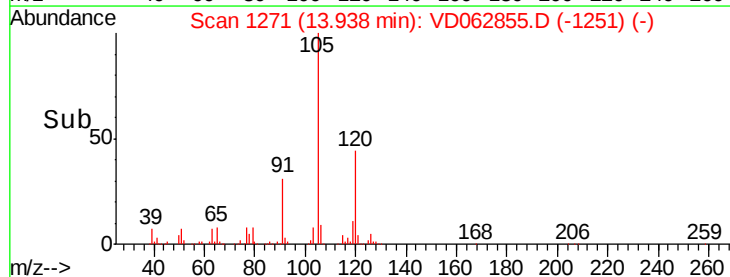
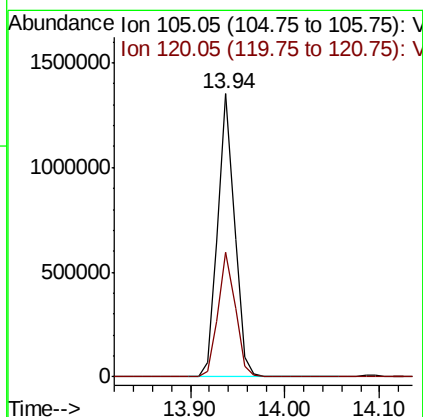
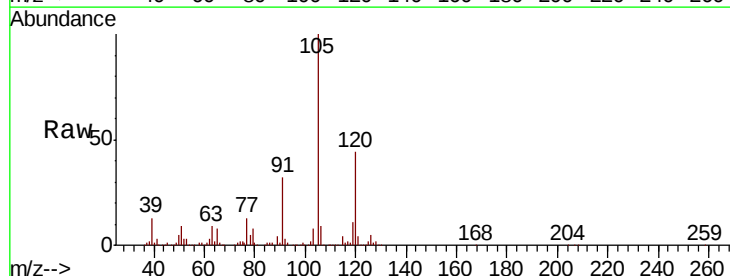
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

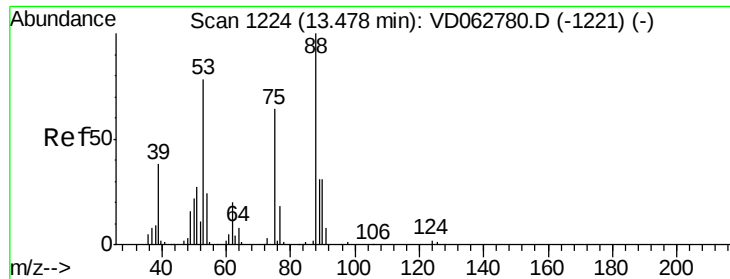
Tot Ion: 91 Resp: 1403227
 Ion Ratio Lower Upper
 91 100
 126 35.9 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 48.495 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion: 105 Resp: 1681532
 Ion Ratio Lower Upper
 105 100
 120 44.2 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 54.183 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

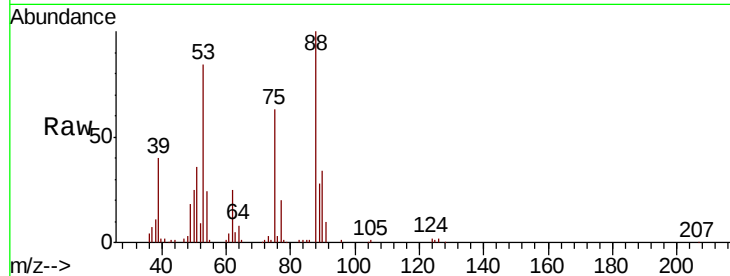
Tot Ion: 75 Resp: 105545

Ion Ratio Lower Upper

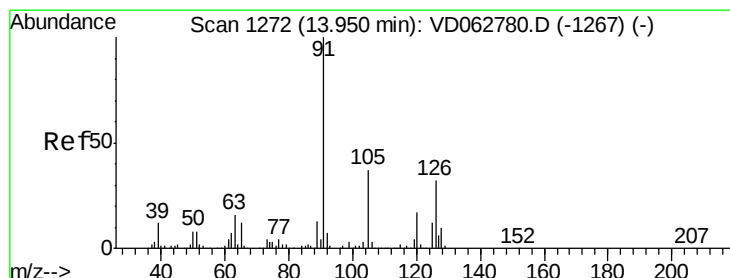
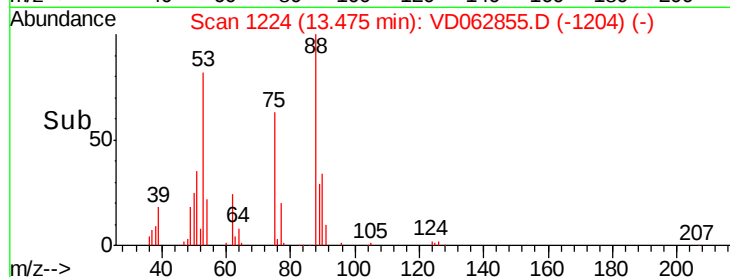
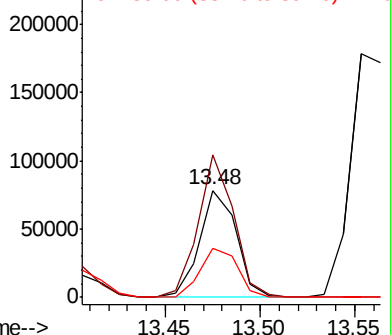
75 100

53 133.6 97.8 146.8

89 45.5 39.4 59.2



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



#82

4-Chlorotoluene

Concen: 47.632 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062855.D

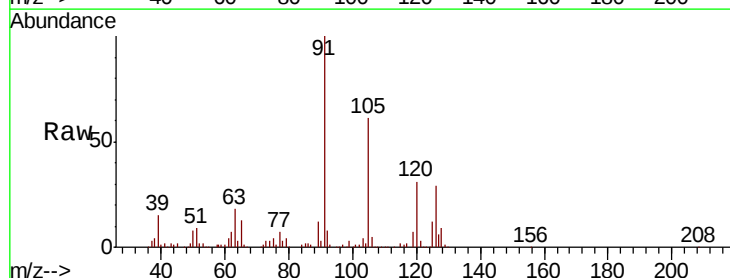
Acq: 24 Jun 2019 23:48

Tgt Ion: 91 Resp: 1574570

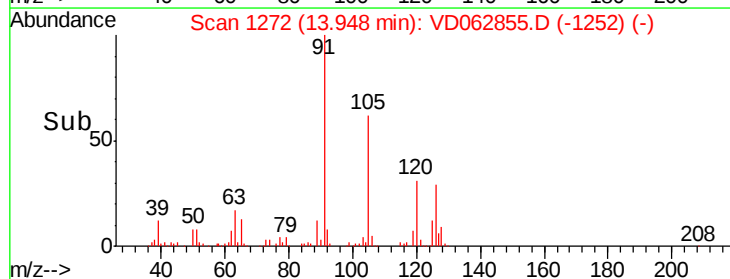
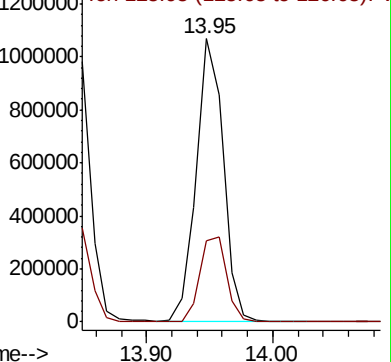
Ion Ratio Lower Upper

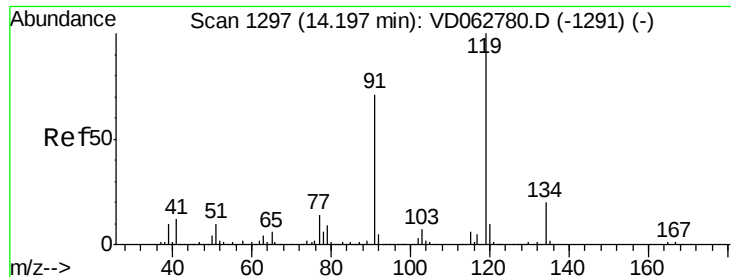
91 100

126 28.6 16.0 47.9



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



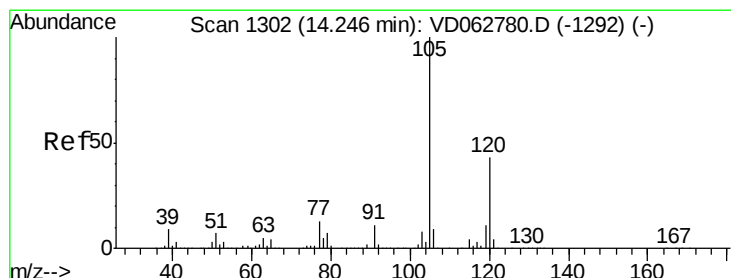
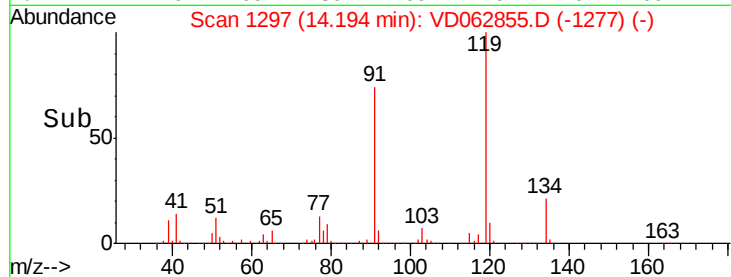
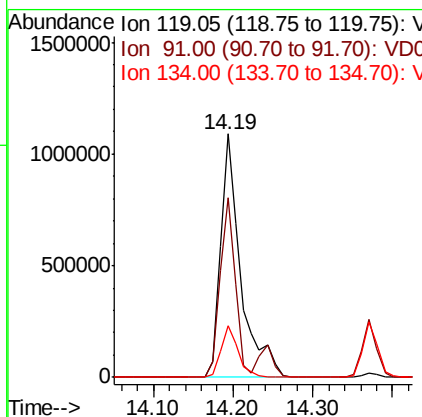
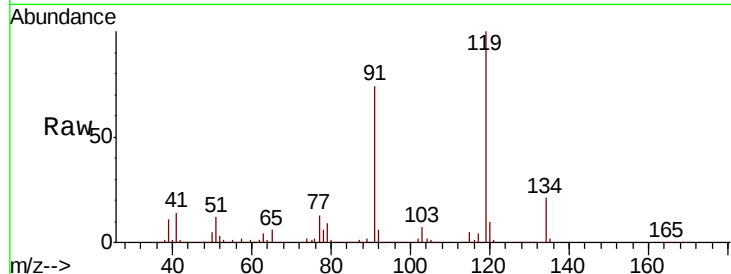


#83
 tert-Butylbenzene
 Concen: 50.099 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:119 Resp: 1936316

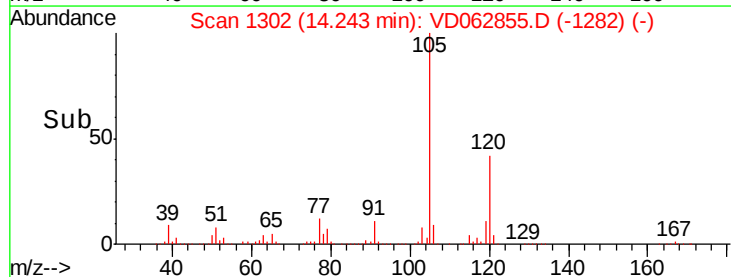
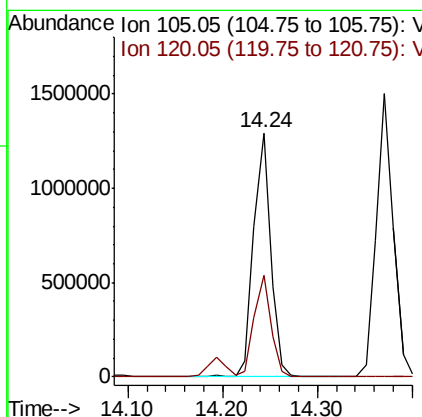
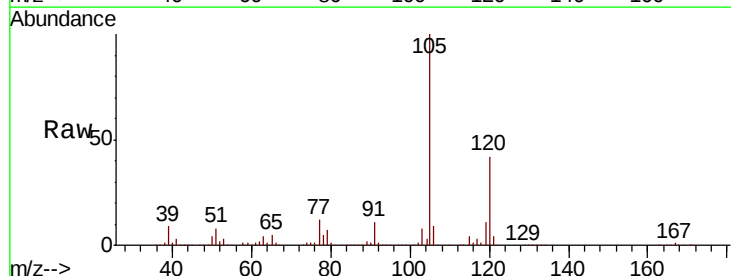
Ion	Ratio	Lower	Upper
119	100		
91	74.0	35.5	106.5
134	21.3	10.2	30.6

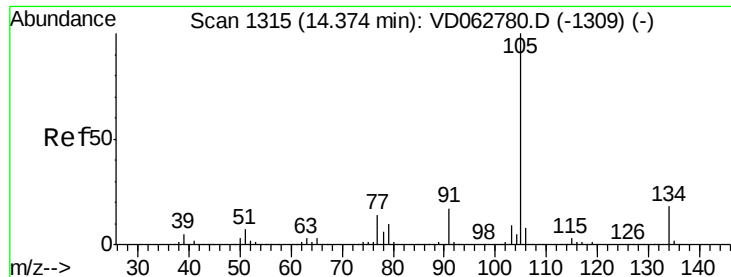


#84
 1,2,4-Trimethylbenzene
 Concen: 45.901 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion:105 Resp: 1631308

Ion	Ratio	Lower	Upper
105	100		
120	41.8	21.3	63.9





#85

sec-Butylbenzene

Concen: 45.294 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

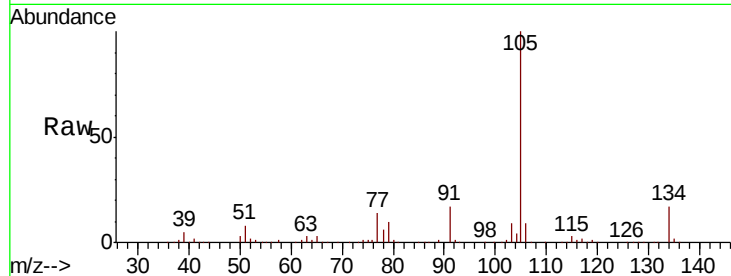
VSTDCCC050

Tot Ion:105 Resp: 1902681

Ion Ratio Lower Upper

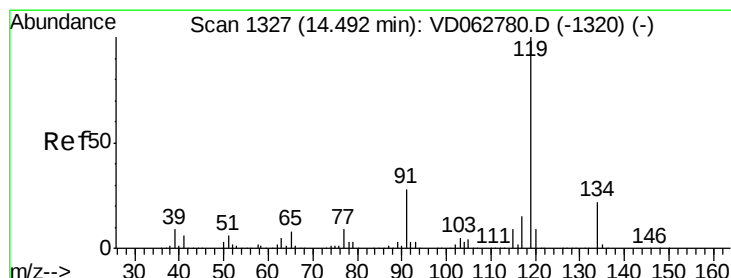
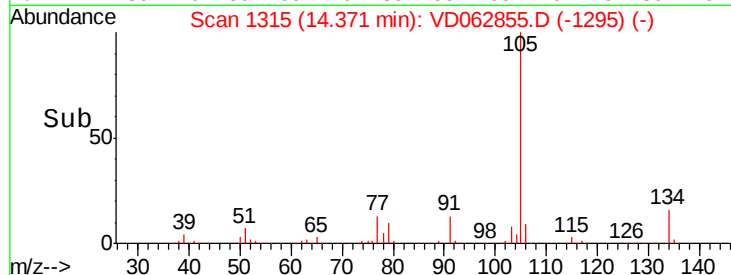
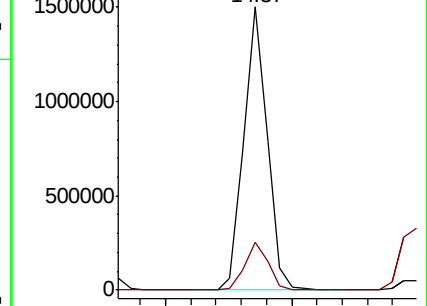
105 100

134 16.7 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: 50.638 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

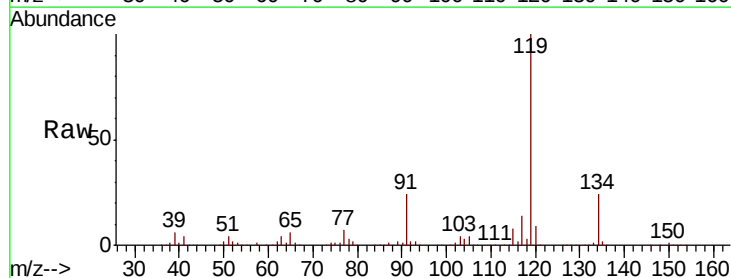
Tgt Ion:119 Resp: 1946006

Ion Ratio Lower Upper

119 100

134 23.9 11.1 33.1

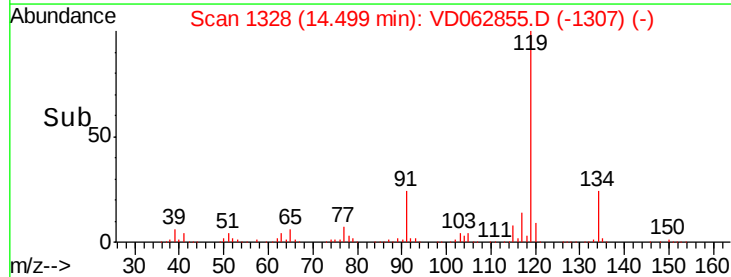
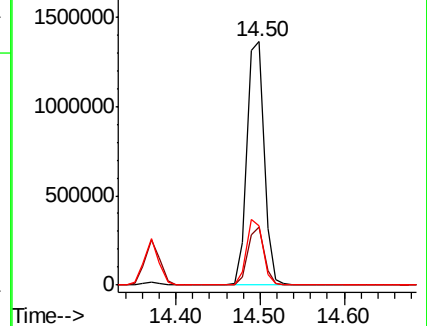
91 24.3 14.0 41.9

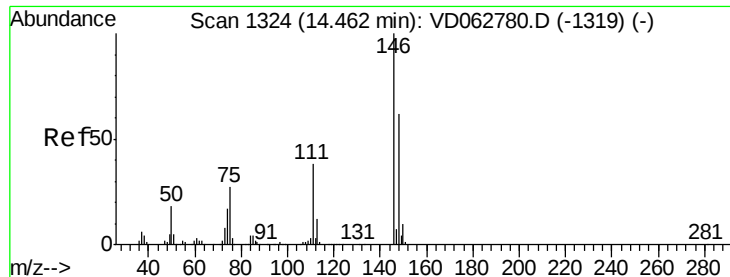


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

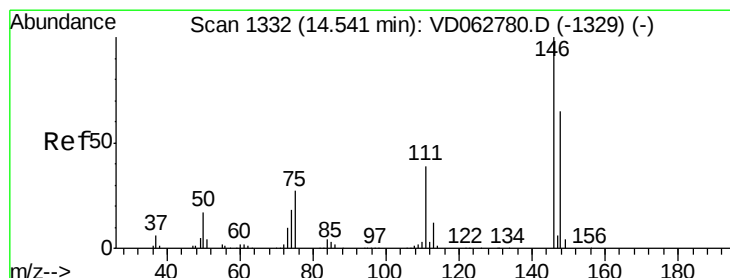
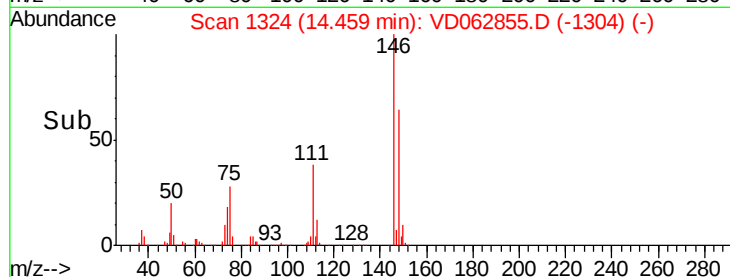
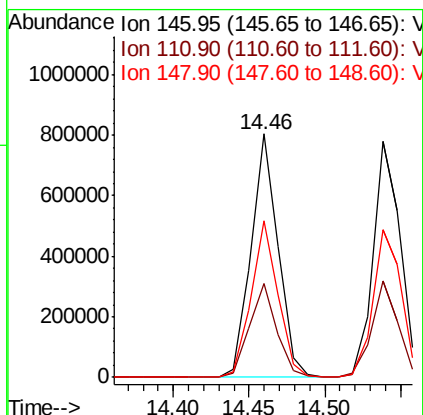
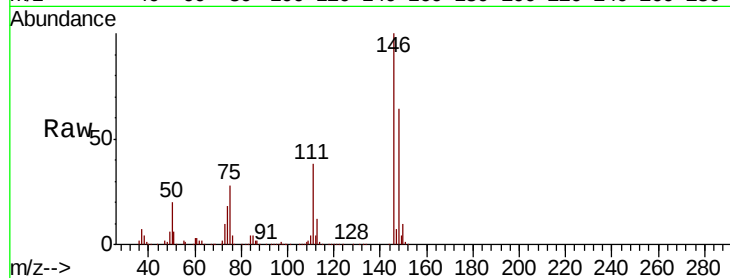




#87
 1,3-Dichlorobenzene
 Concen: 50.450 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

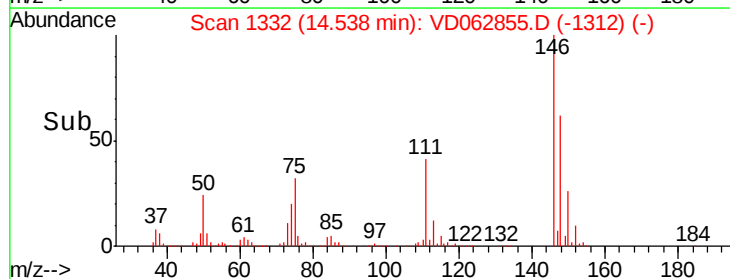
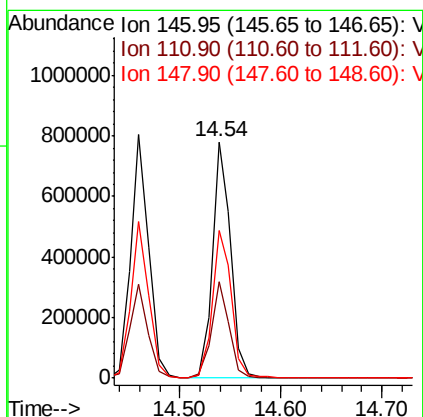
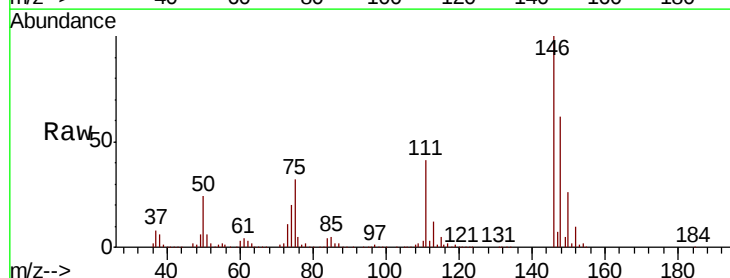
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

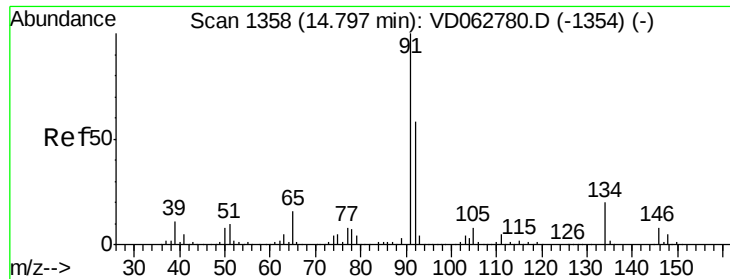
Tot Ion:146 Resp: 1004130
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.0 57.0
 148 64.3 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 49.454 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion:146 Resp: 988645
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.7 59.1
 148 62.4 32.8 98.3





#89

n-Butylbenzene

Concen: 47.269 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

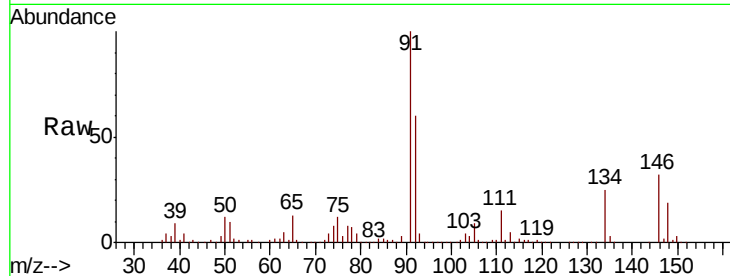
Tot Ion: 91 Resp: 1700196

Ion Ratio Lower Upper

91 100

92 59.6 28.9 86.7

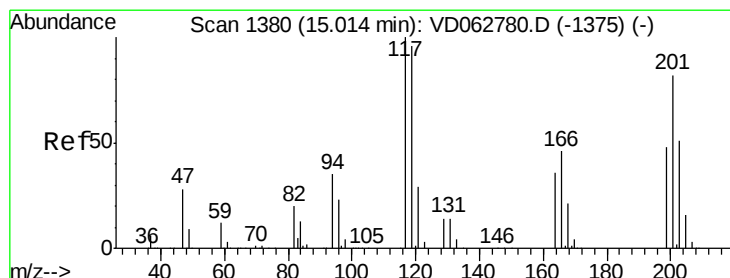
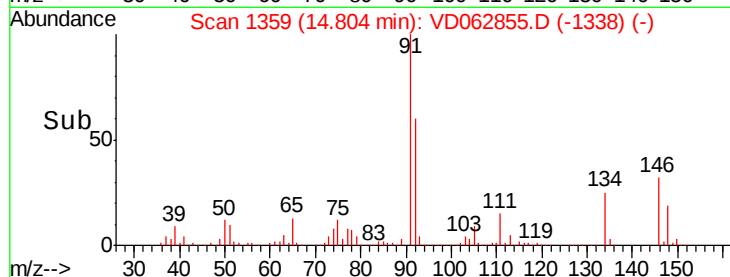
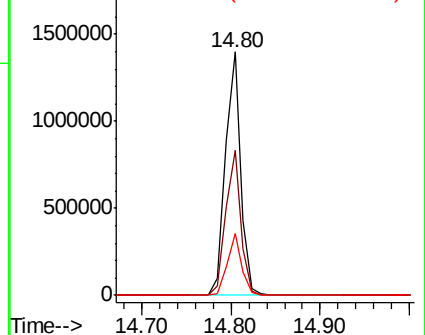
134 25.4 10.1 30.3



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: 46.770 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062855.D

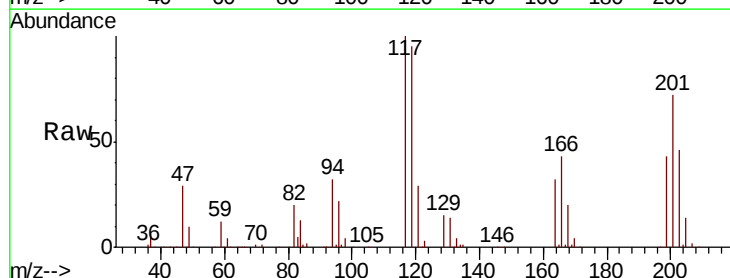
Acq: 24 Jun 2019 23:48

Tgt Ion: 117 Resp: 483256

Ion Ratio Lower Upper

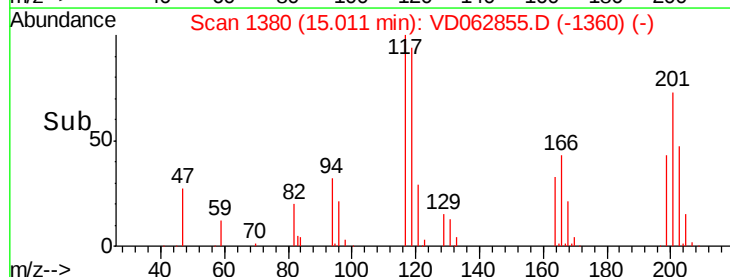
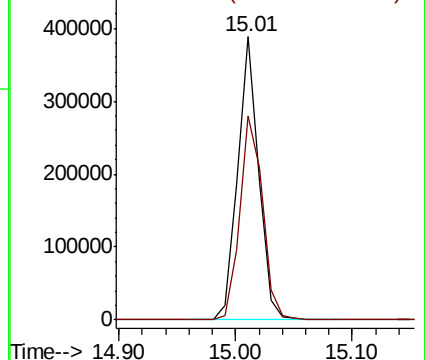
117 100

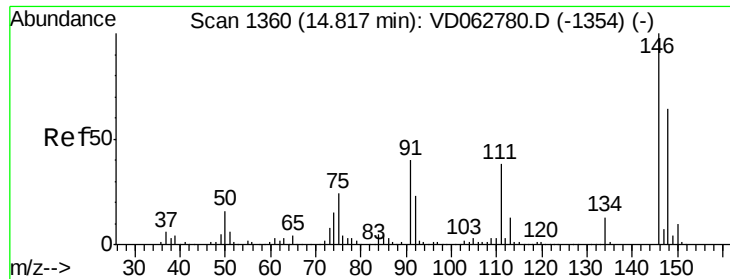
201 72.0 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 52.561 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

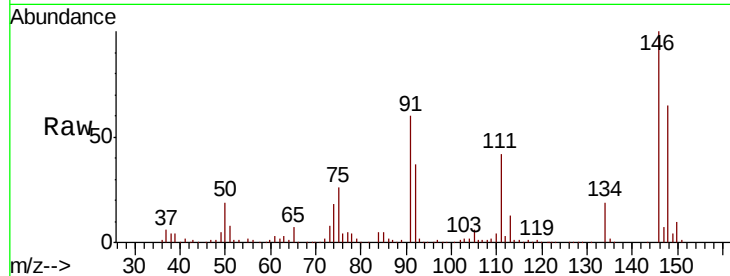
Tot Ion:146 Resp: 895060

Ion Ratio Lower Upper

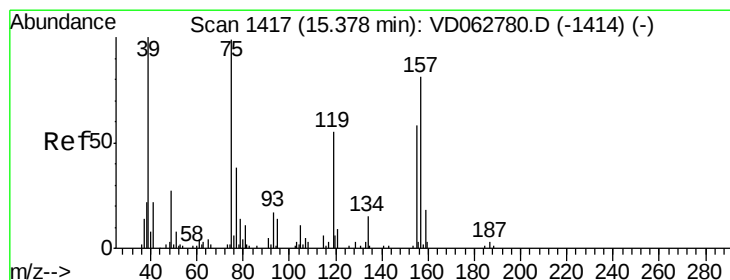
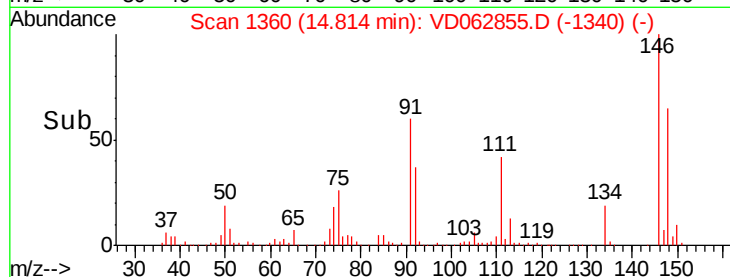
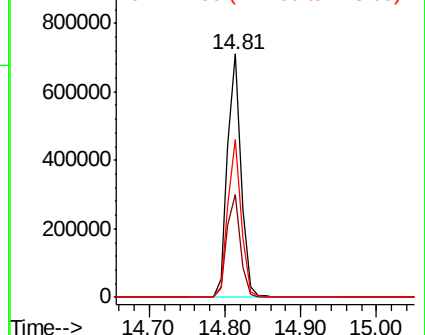
146 100

111 42.0 19.1 57.1

148 64.7 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.154 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

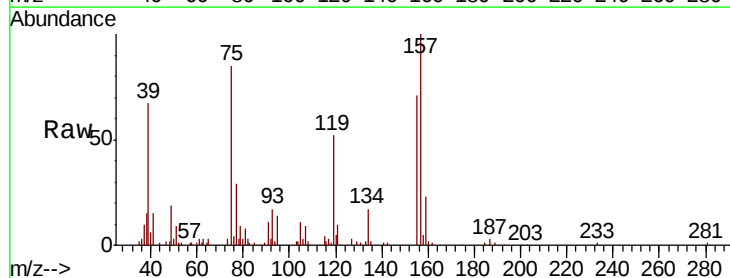
Tgt Ion: 75 Resp: 76344

Ion Ratio Lower Upper

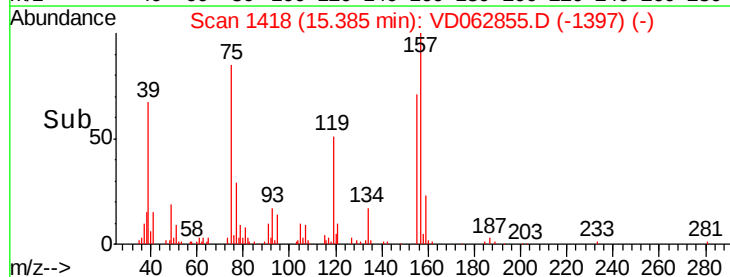
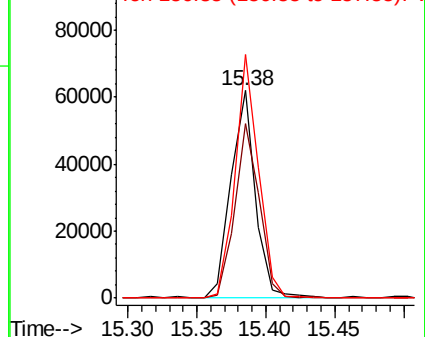
75 100

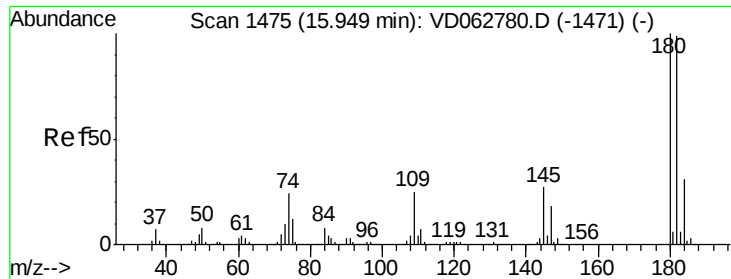
155 83.9 29.3 87.8

157 117.4 41.3 123.7



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 154.90 (154.60 to 155.60): V
Ion 156.85 (156.55 to 157.55): V

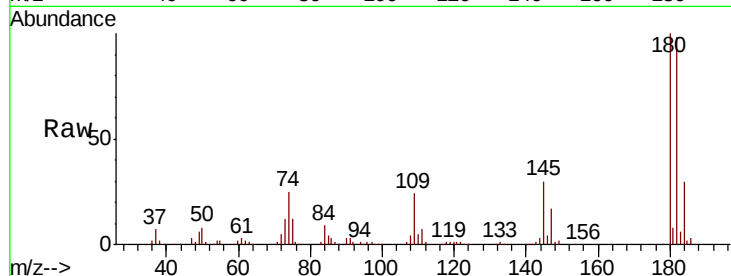




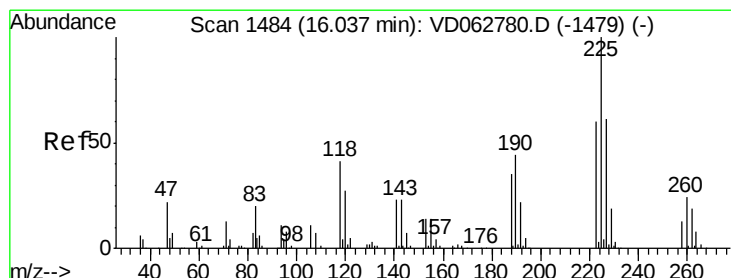
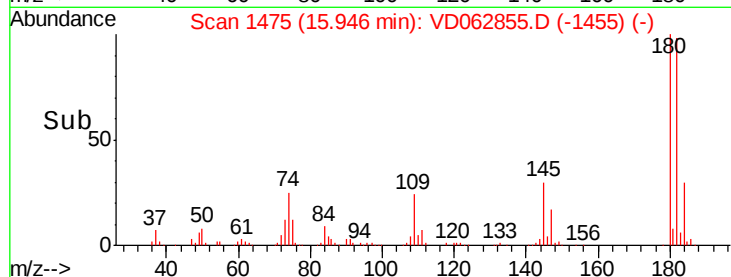
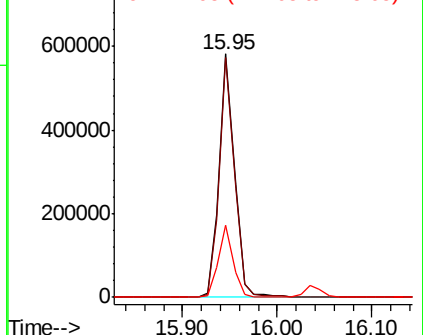
#93
 1,2,4-Trichlorobenzene
 Concen: 49.771 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 662078
 Ion Ratio Lower Upper
 180 100
 182 98.3 49.5 148.5
 145 29.7 13.7 41.0

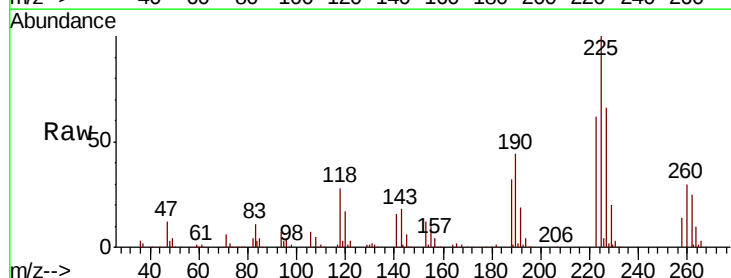


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

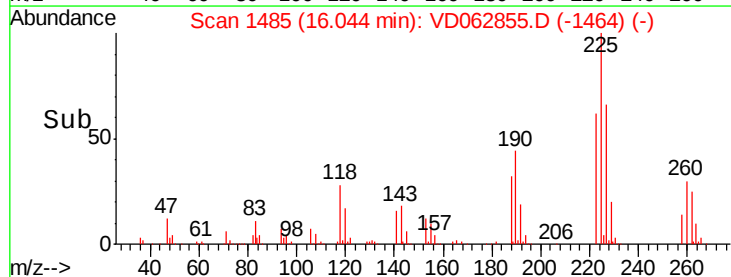
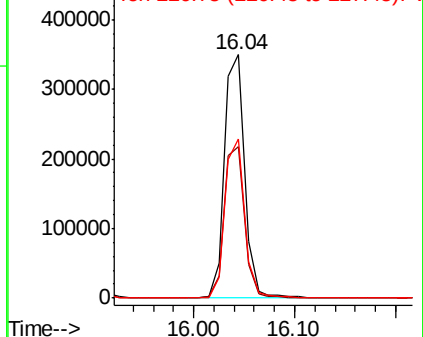


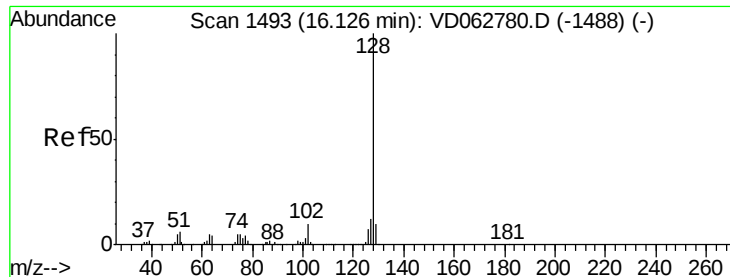
#94
 Hexachlorobutadiene
 Concen: 48.116 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062855.D
 Acq: 24 Jun 2019 23:48

Tgt Ion:225 Resp: 488976
 Ion Ratio Lower Upper
 225 100
 223 62.2 29.8 89.5
 227 65.6 30.6 91.6



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





#95

Naphthalene

Concen: 59.598 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

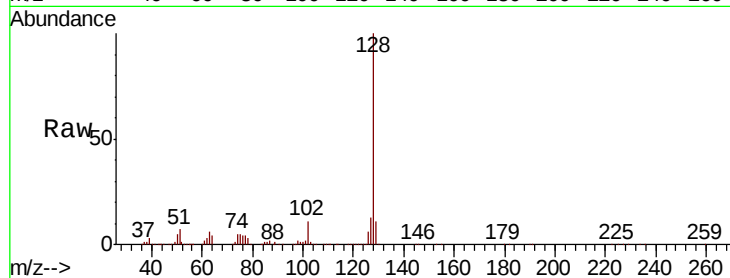
Tot Ion:128 Resp: 1111192

Ion Ratio Lower Upper

128 100

127 12.7 9.7 14.5

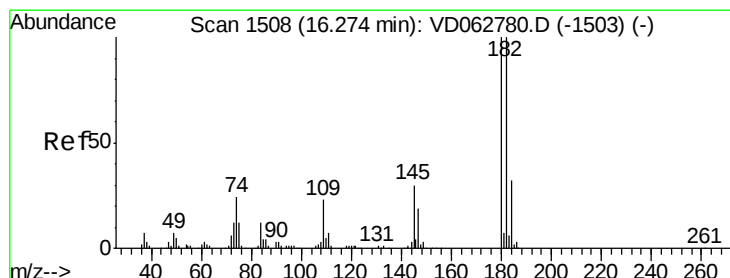
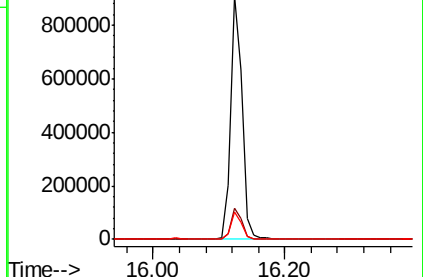
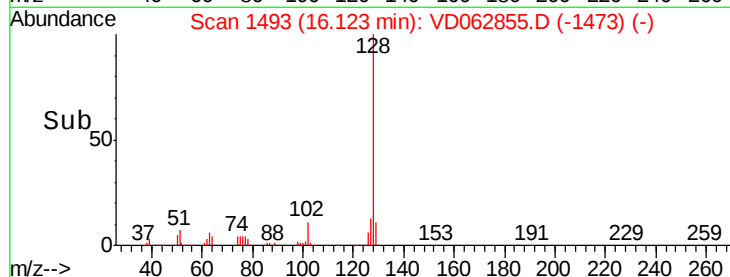
129 11.3 8.3 12.5



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: 54.886 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062855.D

Acq: 24 Jun 2019 23:48

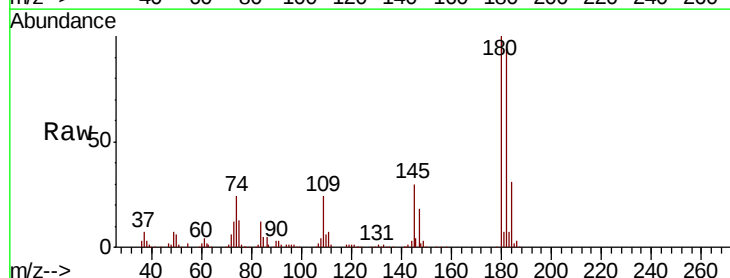
Tgt Ion:180 Resp: 560977

Ion Ratio Lower Upper

180 100

182 94.2 49.9 149.6

145 29.5 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

