

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062955.D
 Acq On : 28 Jun 2019 9:50
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 29 00:12:31 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	7.01	168	828593	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.19	114	1111750	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	958086	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	526855	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	456594	50.70	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	6.89	113	475949	50.77	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.54%	
50) Toluene-d8	10.39	98	1071272	52.51	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.02%	
62) 4-Bromofluorobenzene	13.54	95	456160	49.17	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	506853	47.271	ug/l	99
3) Chloromethane	1.75	50	394959	48.979	ug/l	99
4) Vinyl Chloride	1.83	62	412195	51.555	ug/l	97
5) Bromomethane	2.13	94	161009	43.001	ug/l	98
6) Chloroethane	2.25	64	201721	55.728	ug/l	94
7) Trichlorofluoromethane	2.51	101	892137	55.136	ug/l	96
8) Diethyl Ether	2.86	74	109704	53.361	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.12	101	450561	51.399	ug/l	94
10) Methyl Iodide	3.27	142	585810	50.654	ug/l	97
11) Tert butyl alcohol	4.06	59	112693	274.723	ug/l	95
12) 1,1-Dichloroethene	3.10	96	350333	53.275	ug/l	90
13) Acrolein	3.02	56	105074	250.909	ug/l	86
14) Allyl chloride	3.59	41	551666	56.775	ug/l	96
15) Acrylonitrile	4.17	53	274772	285.071	ug/l	95
16) Acetone	3.19	43	543156	298.743	ug/l	98
17) Carbon Disulfide	3.35	76	1052365	50.073	ug/l	96
18) Methyl Acetate	3.62	43	143174	52.659	ug/l	94
19) Methyl tert-butyl Ether	4.22	73	852243	59.866	ug/l	94
20) Methylene Chloride	3.78	84	358462	52.186	ug/l	90
21) trans-1,2-Dichloroethene	4.19	96	385641	55.076	ug/l	96
22) Diisopropyl ether	5.09	45	1115277	56.440	ug/l	96
23) Vinyl Acetate	5.02	43	3580950	289.604	ug/l	100
24) 1,1-Dichloroethane	4.94	63	702259	54.584	ug/l	97
25) 2-Butanone	6.05	43	489742	290.730	ug/l #	92
26) 2,2-Dichloropropane	5.99	77	816909	59.904	ug/l	99
27) cis-1,2-Dichloroethene	6.00	96	416366	56.231	ug/l	83
28) Bromochloromethane	6.40	49	269925	59.569	ug/l #	80
29) Tetrahydrofuran	6.43	42	221566	277.995	ug/l	96
30) Chloroform	6.64	83	911526	58.257	ug/l	94
31) Cyclohexane	6.92	56	451282	53.356	ug/l	98
32) 1,1,1-Trichloroethane	6.84	97	875887	53.745	ug/l	93
36) 1,1-Dichloropropene	7.11	75	604095	57.400	ug/l	95
37) Ethyl Acetate	6.16	43	241281	54.680	ug/l	99
38) Carbon Tetrachloride	7.08	117	958103	60.532	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	527287	56.919	ug/l	99
40) Benzene	7.43	78	1201504	56.875	ug/l	97
41) Methacrylonitrile	6.42	41	304682	54.897	ug/l #	94
42) 1,2-Dichloroethane	7.55	62	698884	60.644	ug/l	99
43) Isopropyl Acetate	9.22	43	349102	63.272	ug/l	96
44) Trichloroethene	8.51	130	452152	54.594	ug/l	97
45) 1,2-Dichloropropane	8.91	63	292879	55.755	ug/l	100
46) Dibromomethane	9.04	93	246238	54.569	ug/l	92
47) Bromodichloromethane	9.36	83	685181	58.467	ug/l	98
48) Methyl methacrylate	9.10	41	223206	56.927	ug/l	96
49) 1,4-Dioxane	9.07	88	37915	1162.298	ug/l #	91
51) 4-Methyl-2-Pentanone	10.28	43	1161542	296.926	ug/l	99
52) Toluene	10.49	92	815751	57.445	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	536077	55.888	ug/l	98
54) cis-1,3-Dichloropropene	10.01	75	600558	57.604	ug/l	90
55) 1,1,2-Trichloroethane	11.17	97	260335	53.361	ug/l	95
56) Ethyl methacrylate	11.02	69	302473	58.013	ug/l	96
57) 1,3-Dichloropropane	11.38	76	411655	55.106	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	797594	297.973	ug/l	99
59) 2-Hexanone	11.51	43	876329	314.546	ug/l	100
60) Dibromochloromethane	11.67	129	499910	55.011	ug/l	99
61) 1,2-Dibromoethane	11.79	107	323221	56.094	ug/l	100
64) Tetrachloroethene	11.24	164	446919	56.678	ug/l	96
65) Chlorobenzene	12.39	112	999391	56.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	447735	53.844	ug/l	88
67) Ethyl Benzene	12.51	91	1786707	55.968	ug/l	99
68) m/p-Xylenes	12.65	106	1288026	115.842	ug/l	98
69) o-Xylene	13.04	106	595404	58.578	ug/l	95
70) Styrene	13.06	104	1089296	61.014	ug/l	98
71) Bromoform	13.22	173	337890	59.307	ug/l	96
73) Isopropylbenzene	13.39	105	1764107	52.222	ug/l	99
74) N-amyl acetate	13.25	43	501965	61.188	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	312307	56.741	ug/l	95
76) 1,2,3-Trichloropropane	13.72	75	338852	55.712	ug/l	96
77) Bromobenzene	13.66	156	513279	56.491	ug/l	98
78) n-propylbenzene	13.77	91	2050756	52.158	ug/l	98
79) 2-Chlorotoluene	13.82	91	1197256	53.284	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	1592810	56.135	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	87553	54.925	ug/l	94
82) 4-Chlorotoluene	13.93	91	1478444	54.654	ug/l	97
83) tert-Butylbenzene	14.18	119	1781181	56.317	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1499849	51.572	ug/l	100
85) sec-Butylbenzene	14.36	105	1893427	55.081	ug/l	99
86) p-Isopropyltoluene	14.48	119	1785434	56.774	ug/l	95
87) 1,3-Dichlorobenzene	14.44	146	933266	57.299	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	878425	53.696	ug/l	97
89) n-Butylbenzene	14.79	91	1665415	56.581	ug/l	94
90) Hexachloroethane	15.00	117	472914	55.930	ug/l	90
91) 1,2-Dichlorobenzene	14.80	146	787093	56.482	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	62166	57.867	ug/l	63

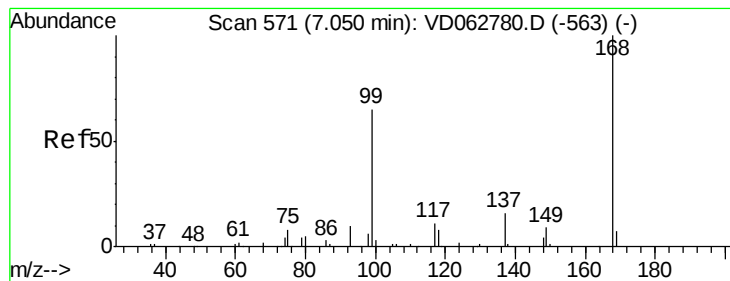
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	610933	56.123	ug/l	96
94) Hexachlorobutadiene	16.03	225	428875	51.571	ug/l	99
95) Naphthalene	16.11	128	874045	57.287	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	453249	54.191	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.04 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

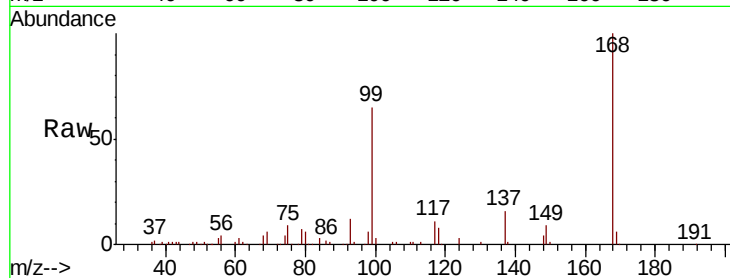
VSTDCCC050

Tot Ion:168 Resp: 828593

Ion Ratio Lower Upper

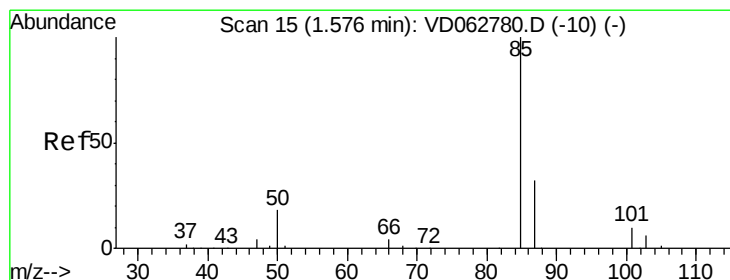
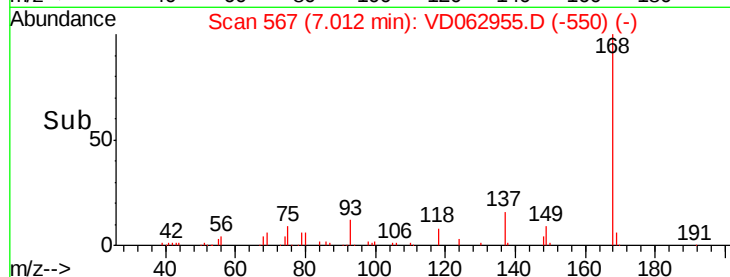
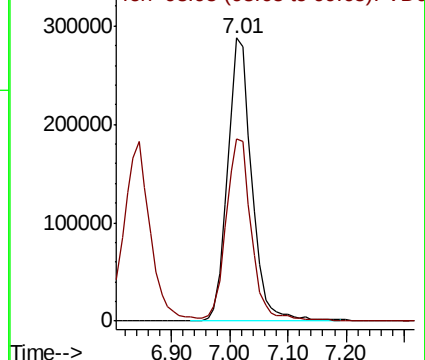
168 100

99 64.6 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 47.271 ug/l

RT: 1.56 min Scan# 13

Delta R.T. -0.02 min

Lab File: VD062955.D

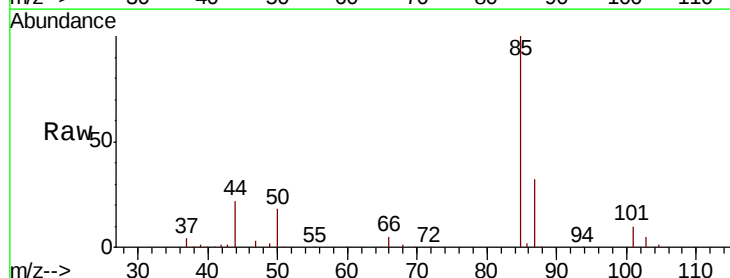
Acq: 28 Jun 2019 9:50

Tgt Ion: 85 Resp: 506853

Ion Ratio Lower Upper

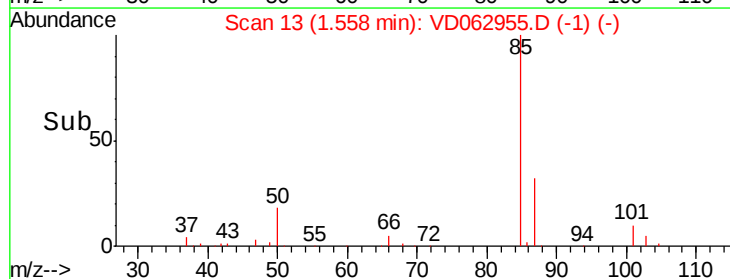
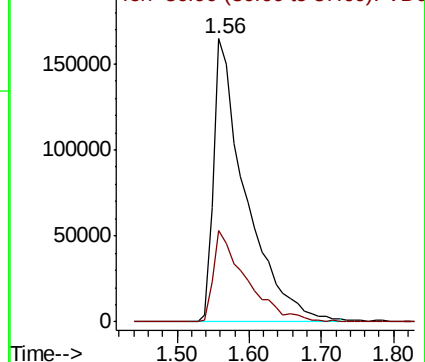
85 100

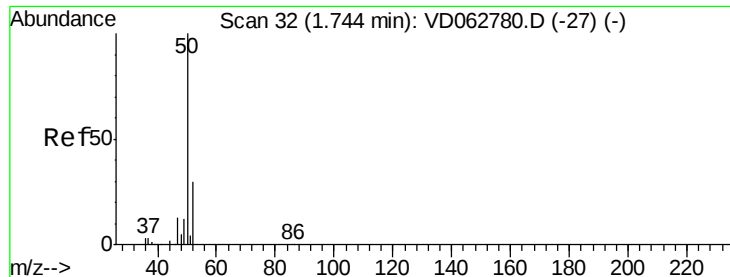
87 32.5 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.979 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

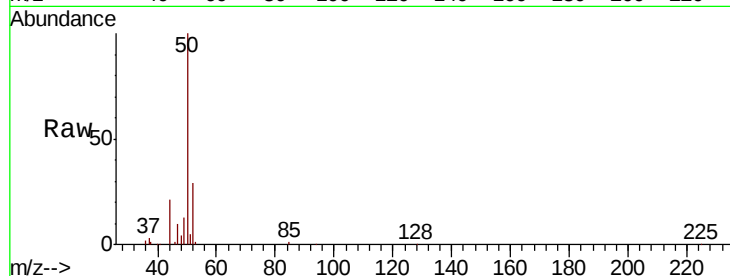
VSTDCCC050

Tot Ion: 50 Resp: 394959

Ion Ratio Lower Upper

50 100

52 29.0 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

120000

100000

80000

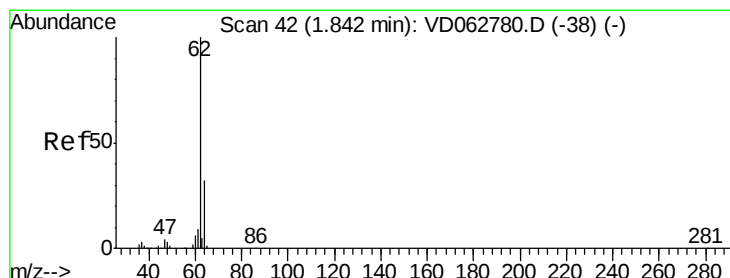
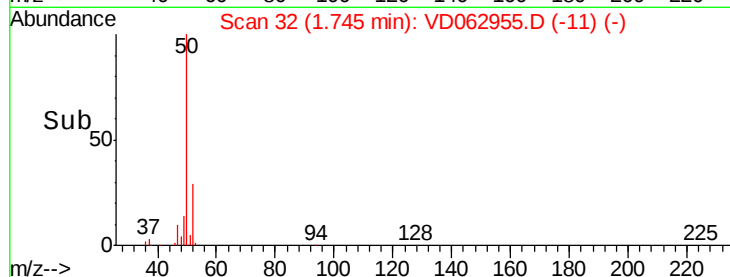
60000

40000

20000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 51.555 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062955.D

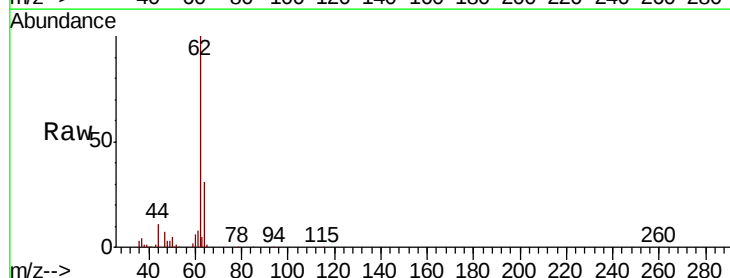
Acq: 28 Jun 2019 9:50

Tgt Ion: 62 Resp: 412195

Ion Ratio Lower Upper

62 100

64 30.5 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.83

200000

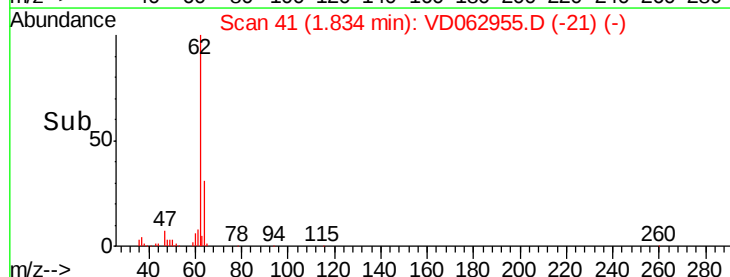
150000

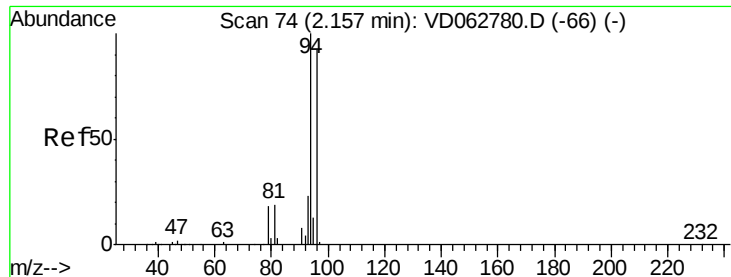
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 43.001 ug/l

RT: 2.13 min Scan# 71

Delta R.T. -0.03 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

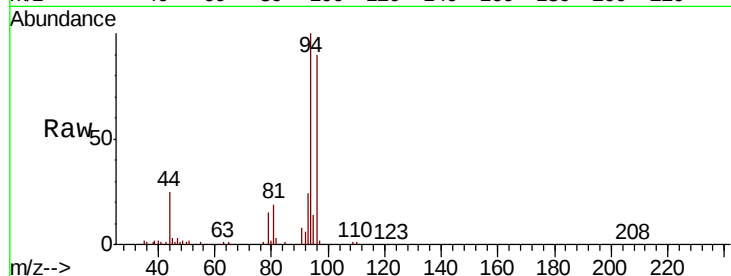
Tot Ion: 94 Resp: 161009

Ion Ratio Lower Upper

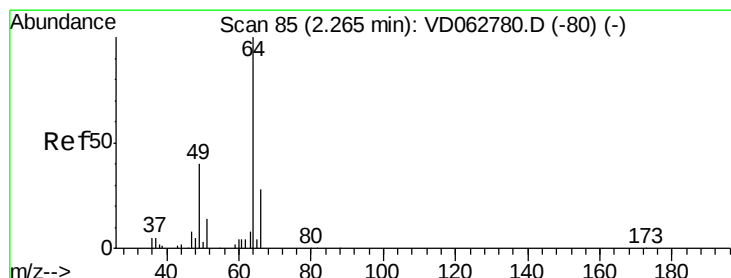
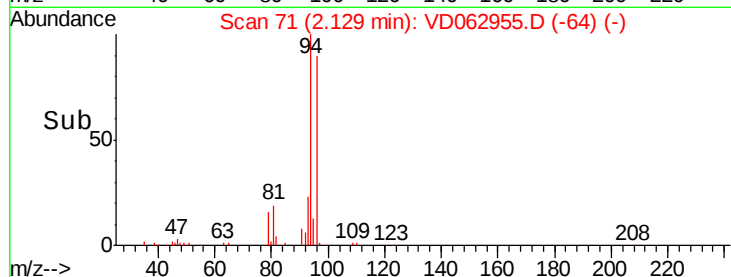
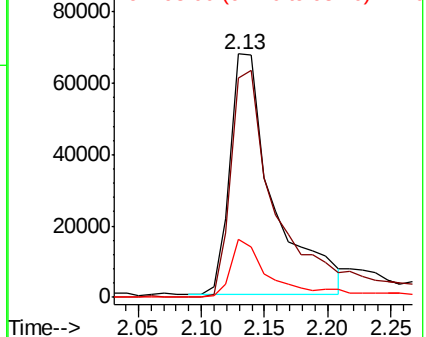
94 100

96 89.9 73.4 110.2

93 23.7 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: 55.728 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD062955.D

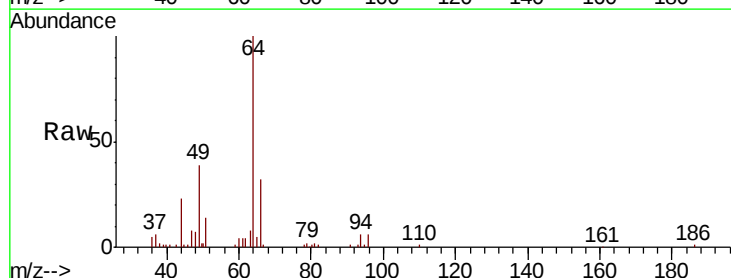
Acq: 28 Jun 2019 9:50

Tgt Ion: 64 Resp: 201721

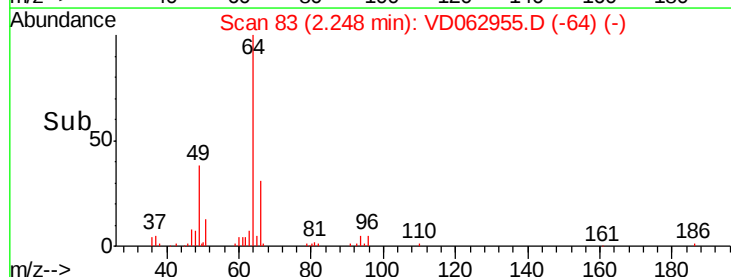
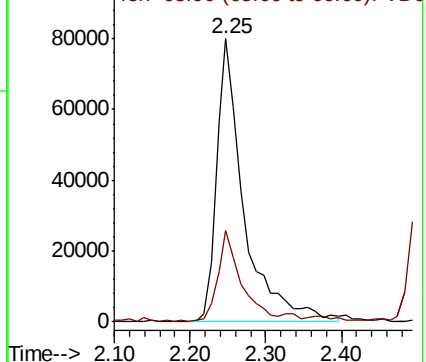
Ion Ratio Lower Upper

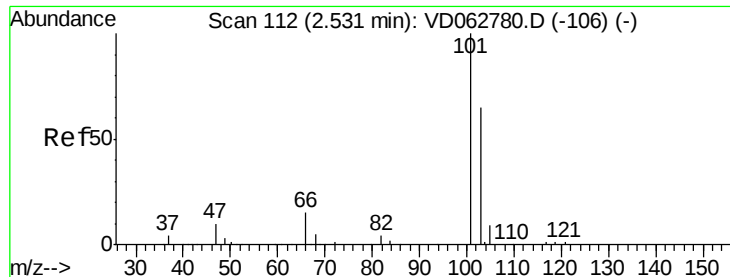
64 100

66 32.1 23.0 34.4



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





#7

Trichlorofluoromethane

Concen: 55.136 ug/l

RT: 2.51 min Scan# 110

Delta R.T. -0.02 min

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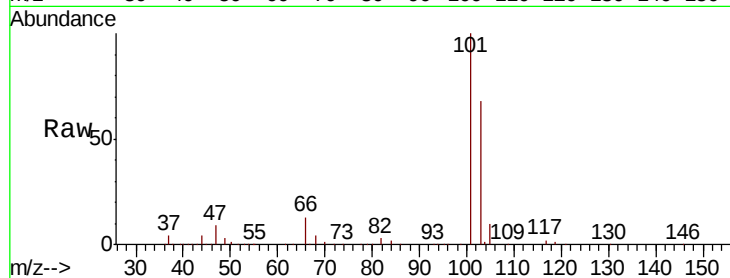
VSTDCCC050

Tot Ion:101 Resp: 892137

Ion Ratio Lower Upper

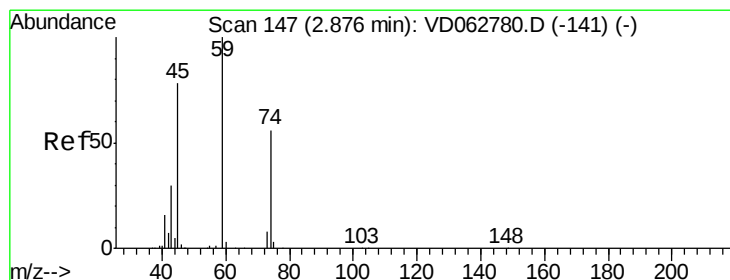
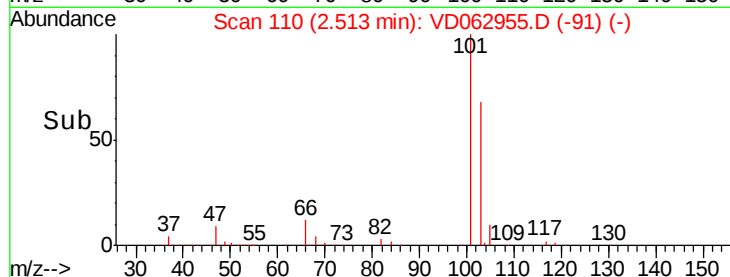
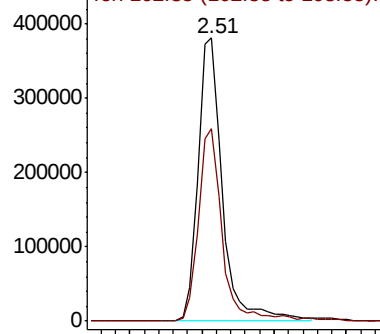
101 100

103 68.2 51.8 77.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 53.361 ug/l

RT: 2.86 min Scan# 145

Delta R.T. -0.02 min

Lab File: VD062955.D

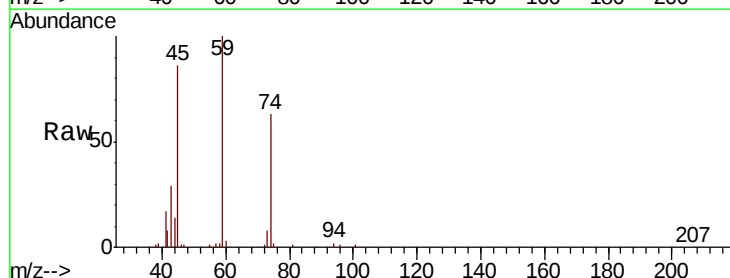
Acq: 28 Jun 2019 9:50

Tgt Ion: 74 Resp: 109704

Ion Ratio Lower Upper

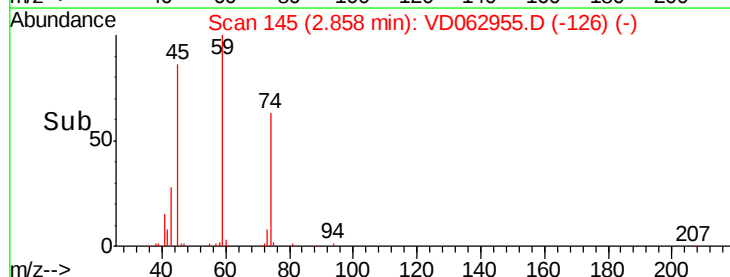
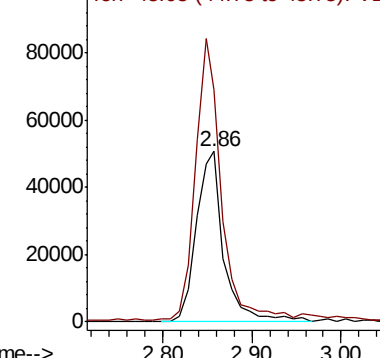
74 100

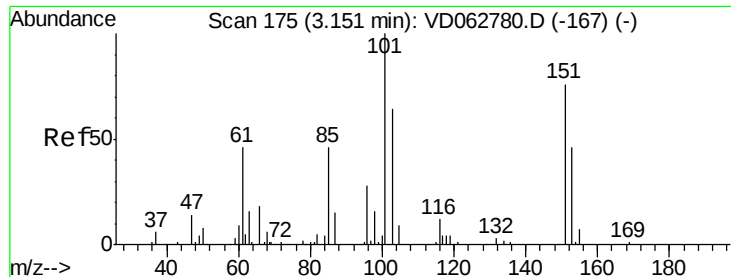
45 136.2 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.399 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.03 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

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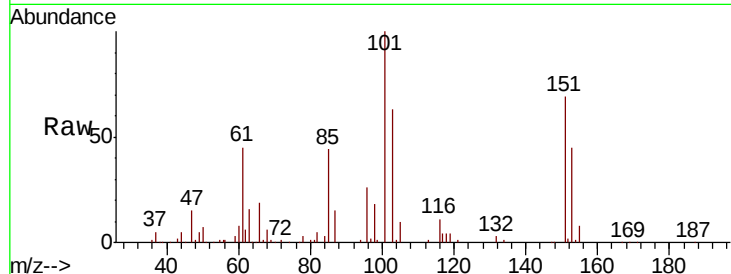
Tot Ion:101 Resp: 450561

Ion Ratio Lower Upper

101 100

85 43.7 37.0 55.4

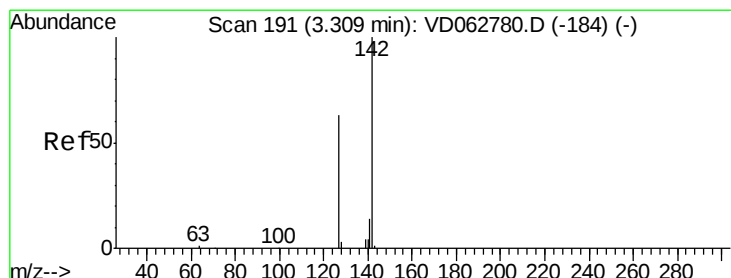
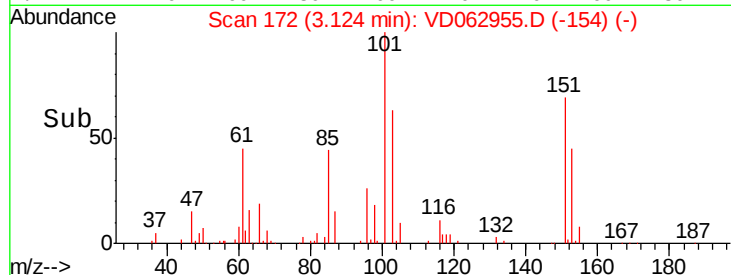
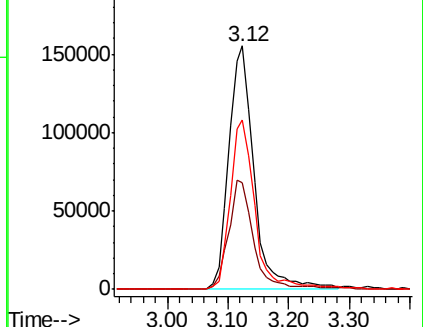
151 69.5 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 50.654 ug/l

RT: 3.27 min Scan# 187

Delta R.T. -0.04 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

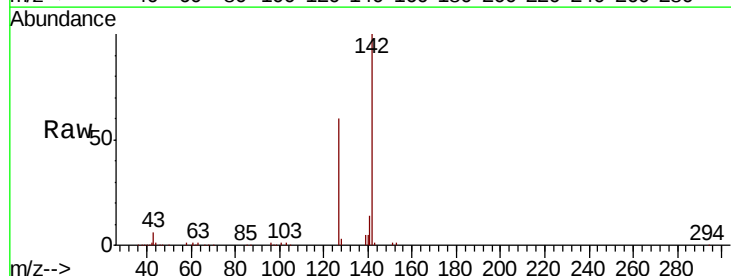
Tgt Ion:142 Resp: 585810

Ion Ratio Lower Upper

142 100

127 60.1 50.1 75.1

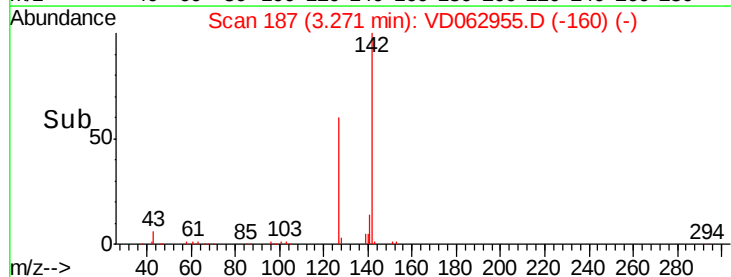
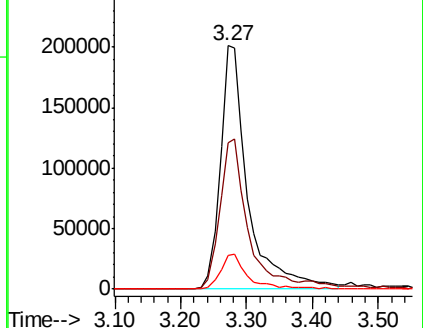
141 13.8 11.0 16.4

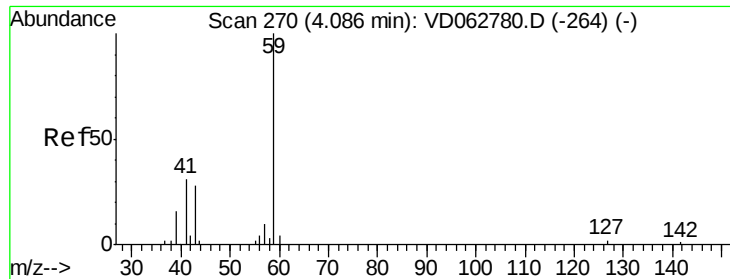


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

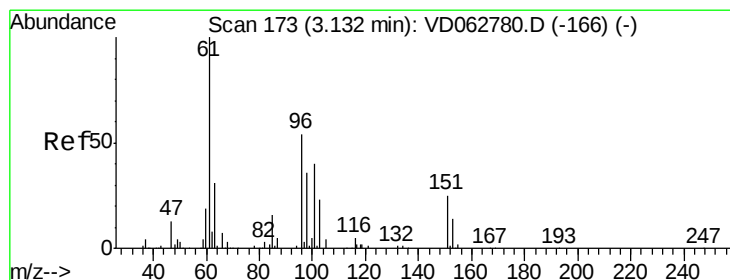
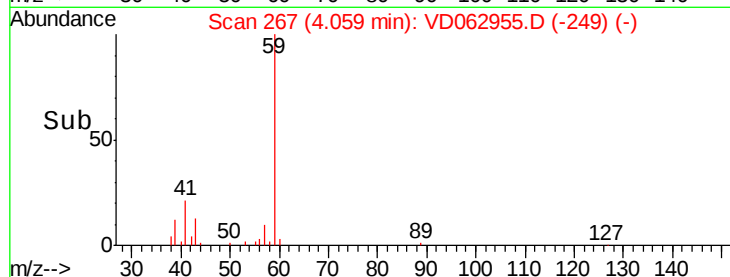
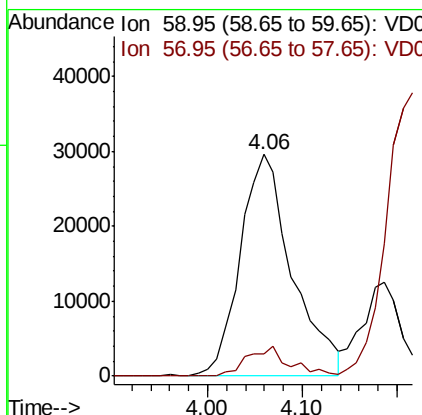
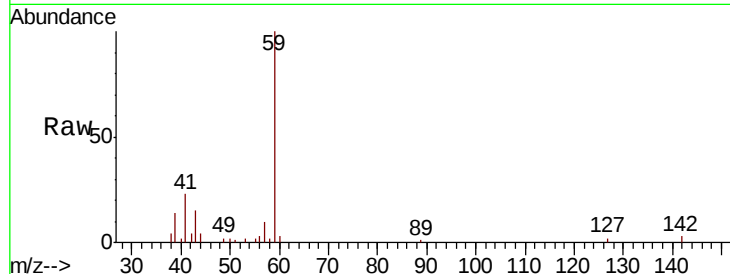




#11
Tert butyl alcohol
Concen: 274.723 ug/l
RT: 4.06 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

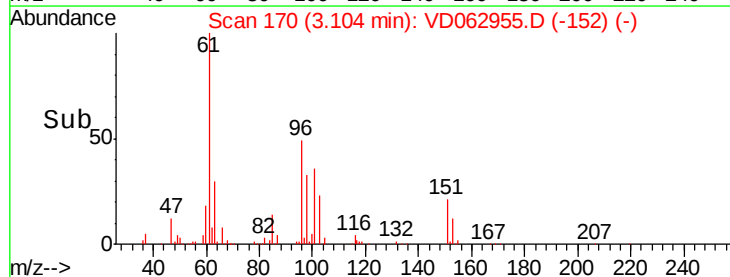
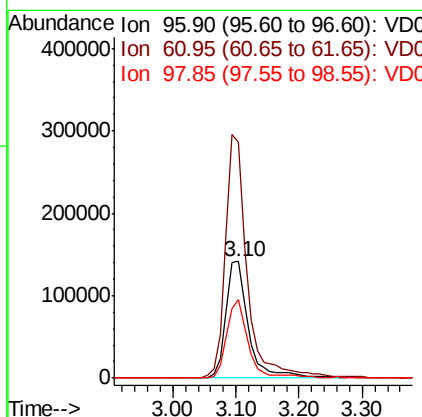
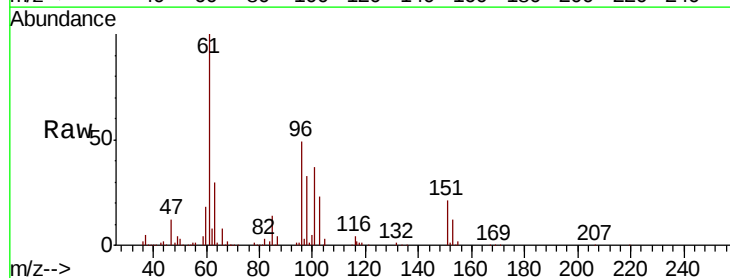
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

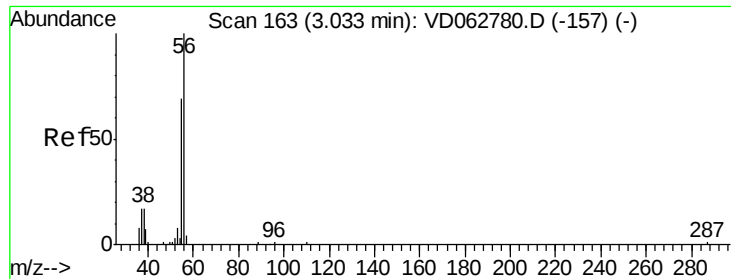
Tot Ion: 59 Resp: 112693
Ion Ratio Lower Upper
59 100
57 9.9 6.6 10.0



#12
1,1-Dichloroethene
Concen: 53.275 ug/l
RT: 3.10 min Scan# 170
Delta R.T. -0.03 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Tgt Ion: 96 Resp: 350333
Ion Ratio Lower Upper
96 100
61 202.6 147.1 220.7
98 67.1 52.6 79.0





#13

Acrolein

Concen: 250.909 ug/l

RT: 3.02 min Scan# 161

Delta R.T. -0.02 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

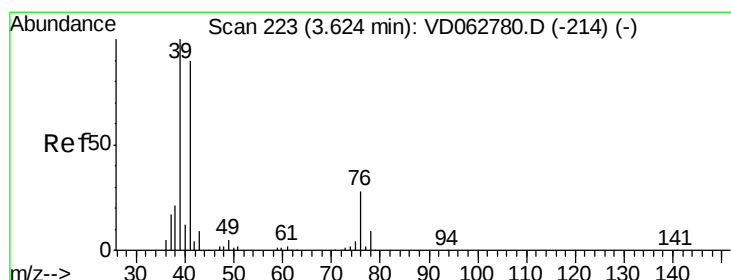
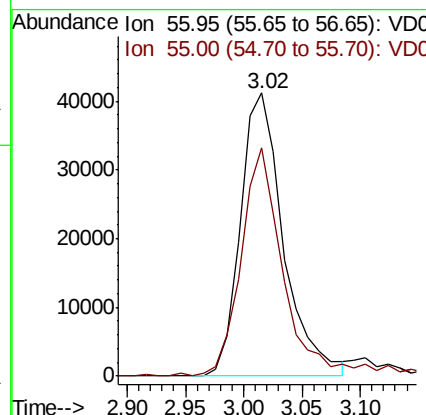
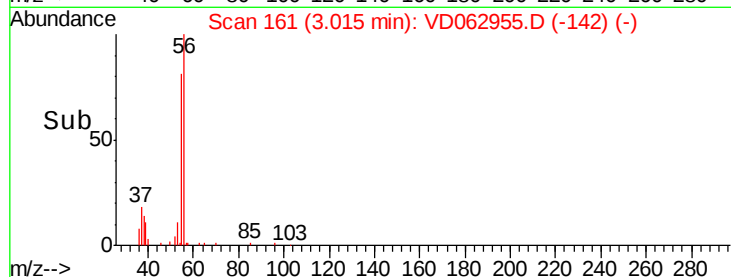
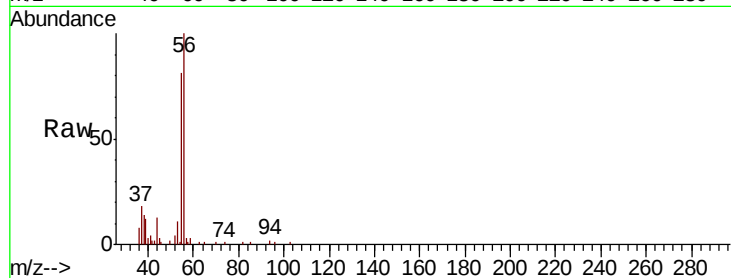
VSTDCCC050

Tot Ion: 56 Resp: 105074

Ion Ratio Lower Upper

56 100

55 80.6 55.4 83.0



#14

Allyl chloride

Concen: 56.775 ug/l

RT: 3.59 min Scan# 219

Delta R.T. -0.04 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

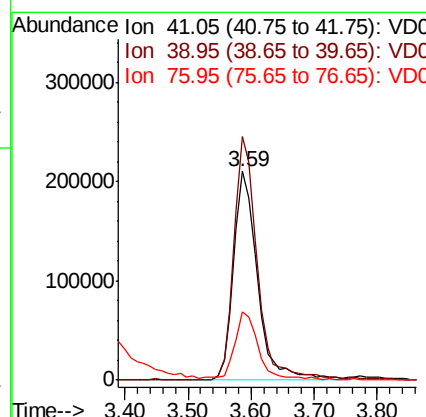
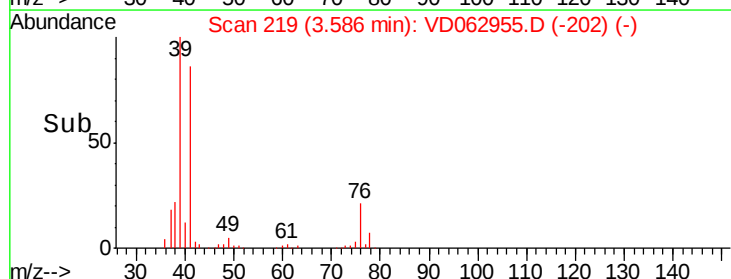
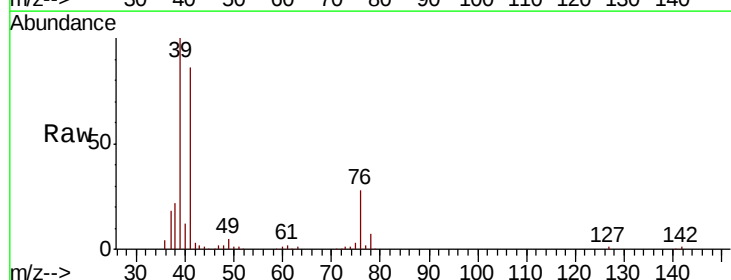
Tgt Ion: 41 Resp: 551666

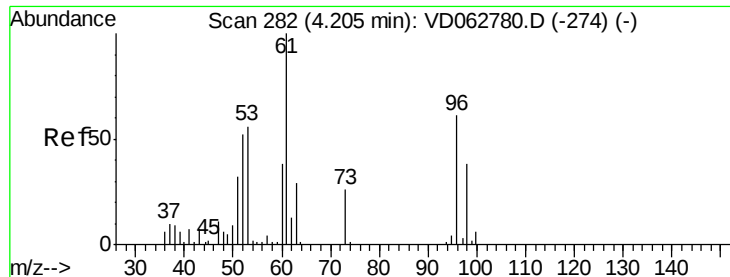
Ion Ratio Lower Upper

41 100

39 116.7 88.8 133.2

76 33.0 26.7 40.1





#15

Acrylonitrile

Concen: 285.071 ug/l

RT: 4.17 min Scan# 278

Delta R.T. -0.04 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

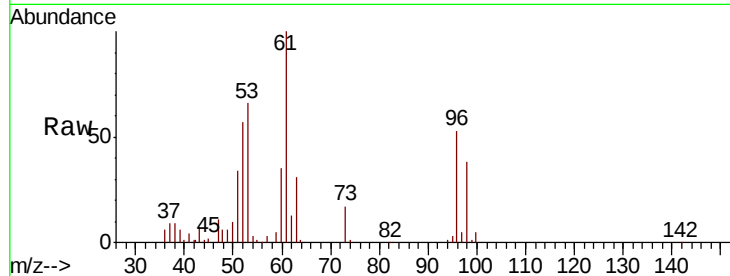
Tot Ion: 53 Resp: 274772

Ion Ratio Lower Upper

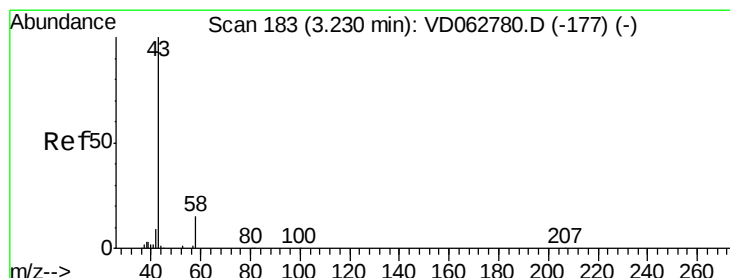
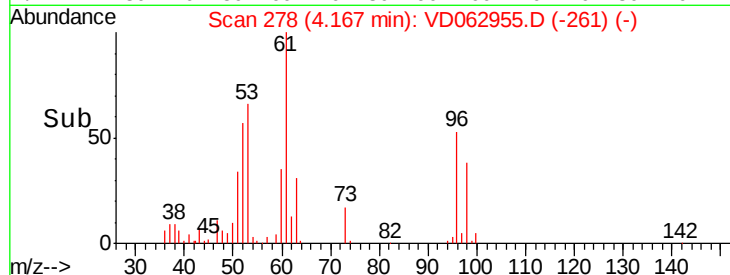
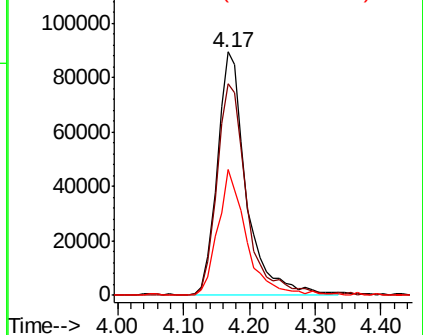
53 100

52 86.7 73.3 109.9

51 51.7 44.8 67.2



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



#16

Acetone

Concen: 298.743 ug/l

RT: 3.19 min Scan# 179

Delta R.T. -0.04 min

Lab File: VD062955.D

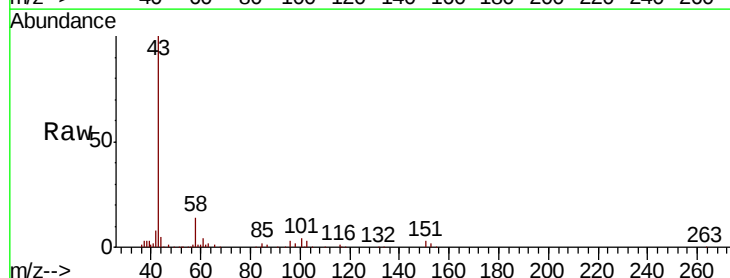
Acq: 28 Jun 2019 9:50

Tgt Ion: 43 Resp: 543156

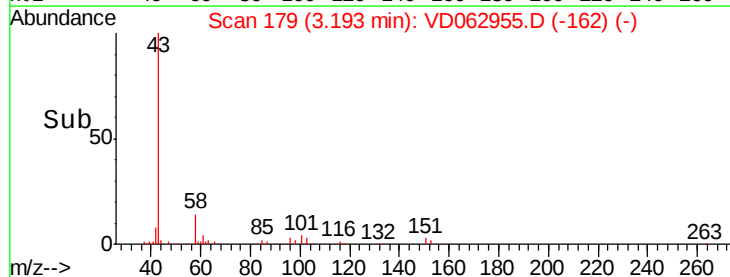
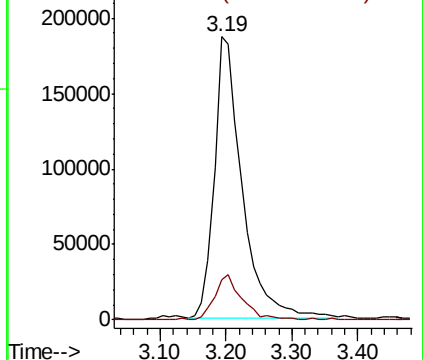
Ion Ratio Lower Upper

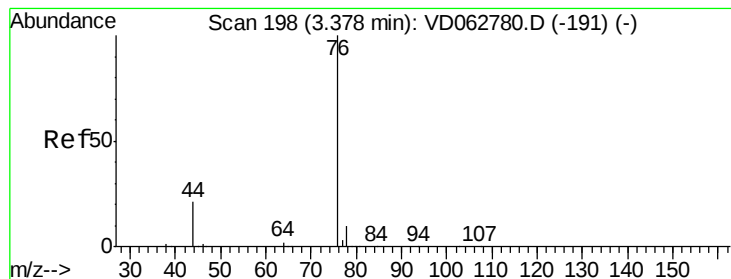
43 100

58 14.0 11.9 17.9



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





#17

Carbon Disulfide

Concen: 50.073 ug/l

RT: 3.35 min Scan# 195

Delta R.T. -0.03 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

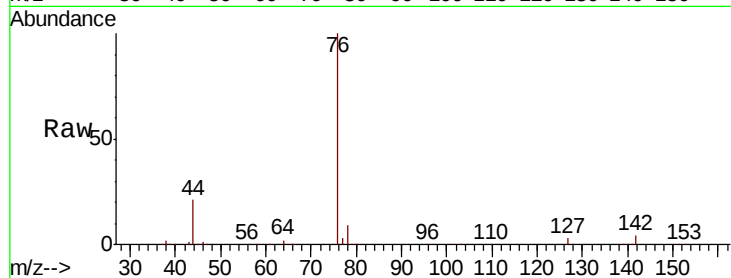
VSTDCCC050

Tot Ion: 76 Resp: 1052365

Ion Ratio Lower Upper

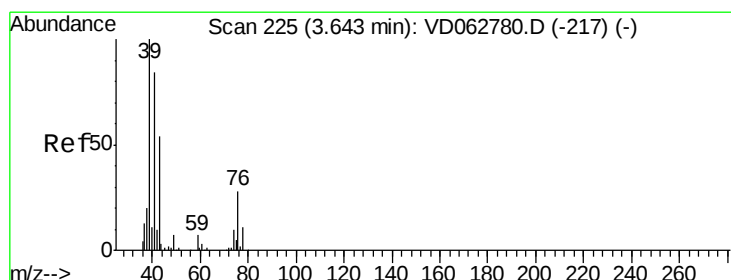
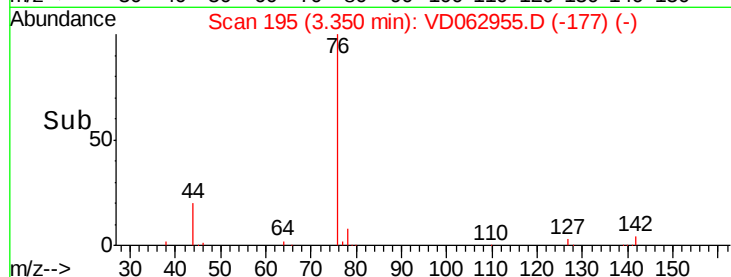
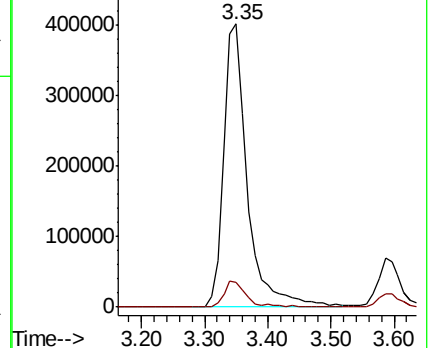
76 100

78 8.6 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: 52.659 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.03 min

Lab File: VD062955.D

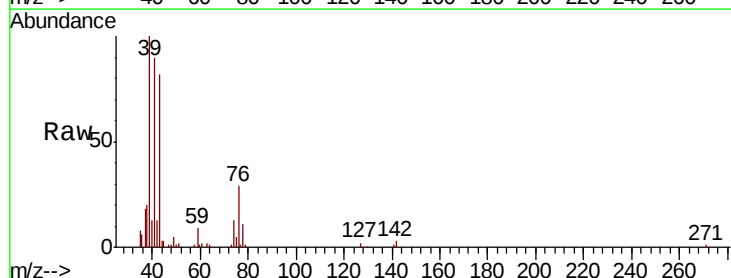
Acq: 28 Jun 2019 9:50

Tgt Ion: 43 Resp: 143174

Ion Ratio Lower Upper

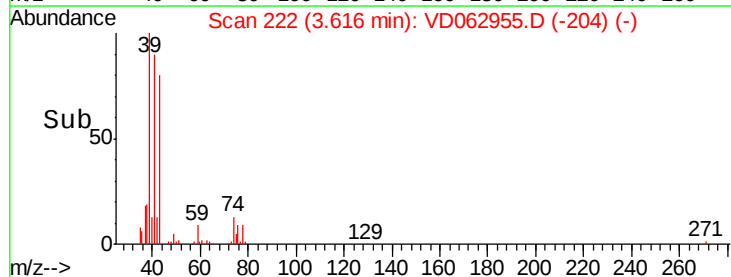
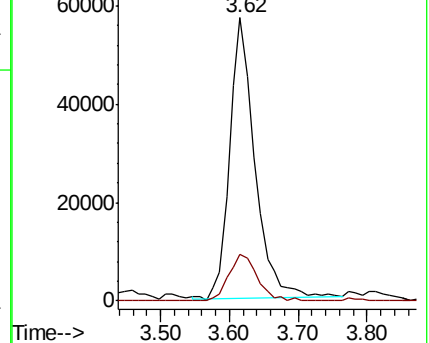
43 100

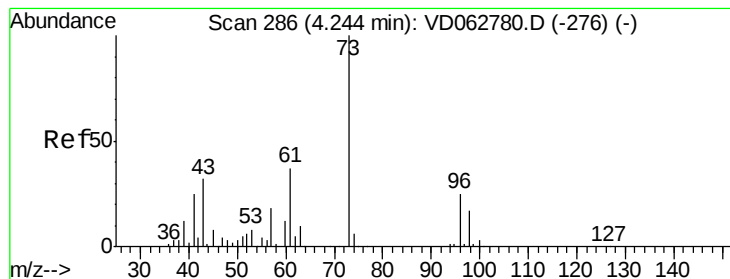
74 16.3 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



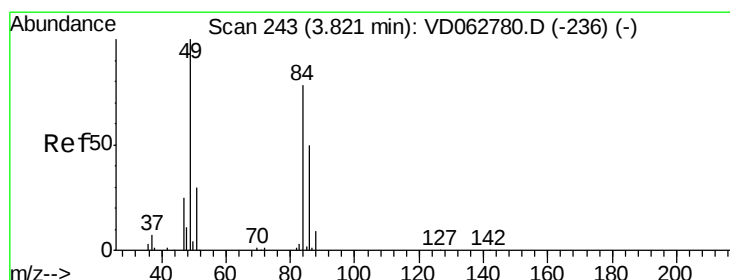
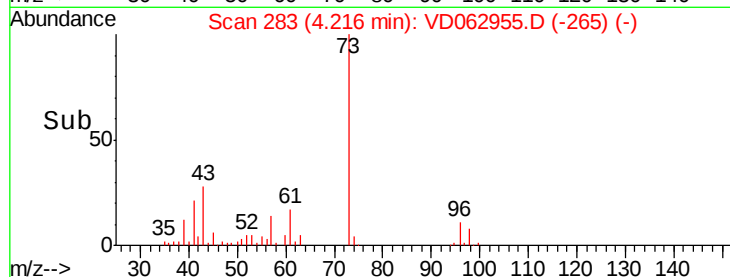
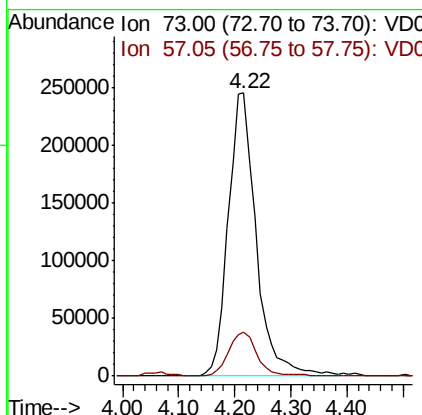
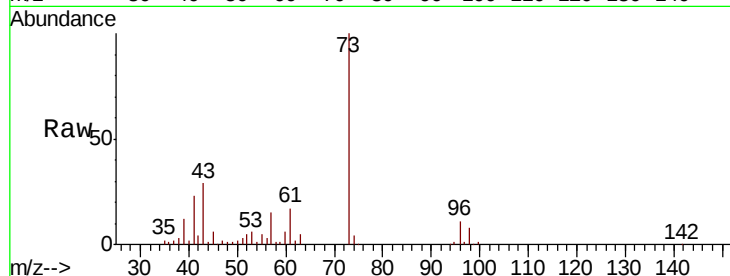


#19

Methyl tert-butyl Ether
 Concen: 59.866 ug/l
 RT: 4.22 min Scan# 283
 Delta R.T. -0.03 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

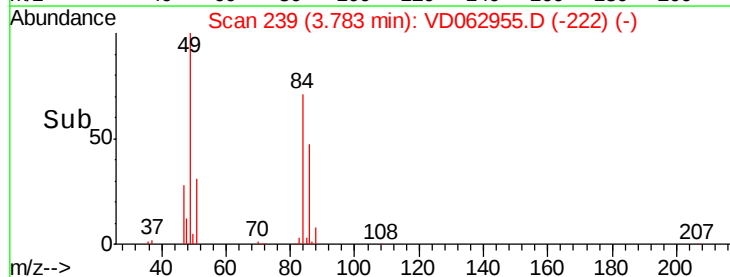
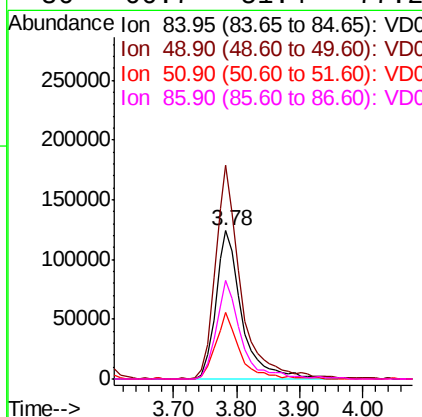
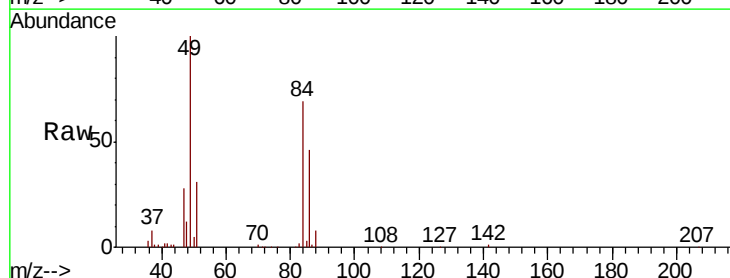
Tot Ion: 73 Resp: 852243
 Ion Ratio Lower Upper
 73 100
 57 15.4 14.3 21.5

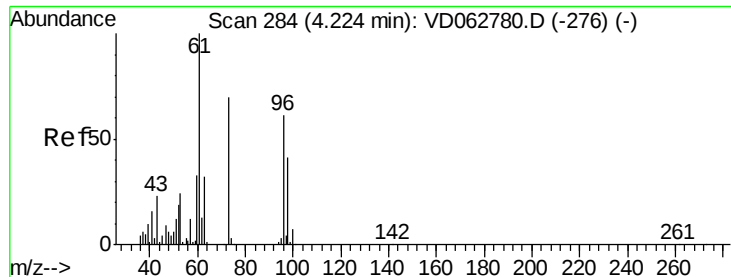


#20

Methylene Chloride
 Concen: 52.186 ug/l
 RT: 3.78 min Scan# 239
 Delta R.T. -0.04 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Tgt Ion: 84 Resp: 358462
 Ion Ratio Lower Upper
 84 100
 49 143.9 102.9 154.3
 51 44.5 31.2 46.8
 86 66.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 55.076 ug/l

RT: 4.19 min Scan# 280

Delta R.T. -0.04 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

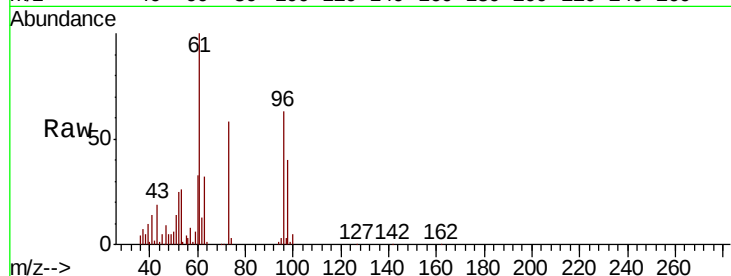
Tot Ion: 96 Resp: 385641

Ion Ratio Lower Upper

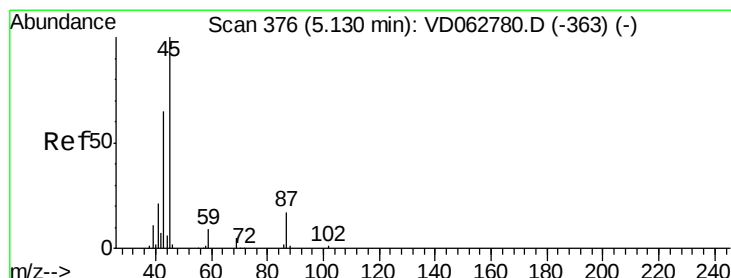
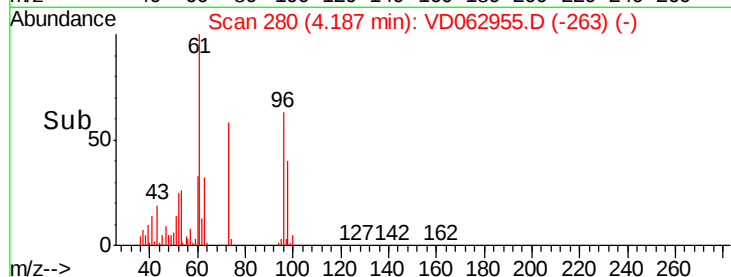
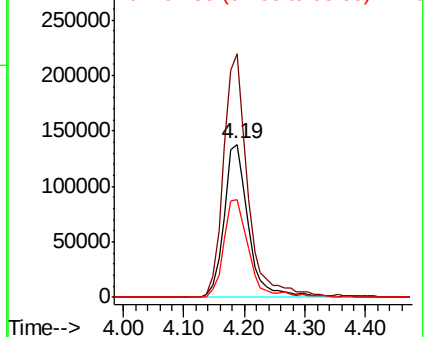
96 100

61 159.0 131.0 196.4

98 63.5 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: 56.440 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.04 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Tgt Ion: 45 Resp: 1115277

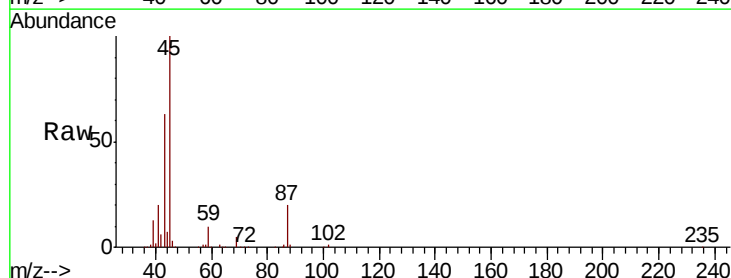
Ion Ratio Lower Upper

45 100

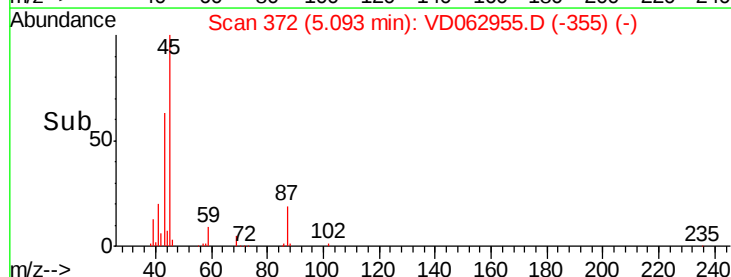
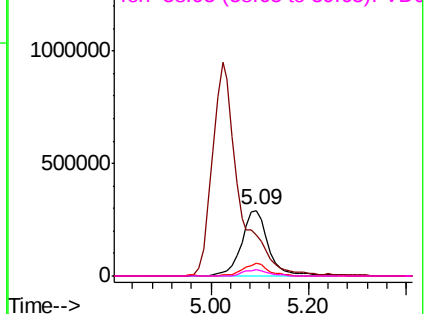
43 62.8 53.4 80.0

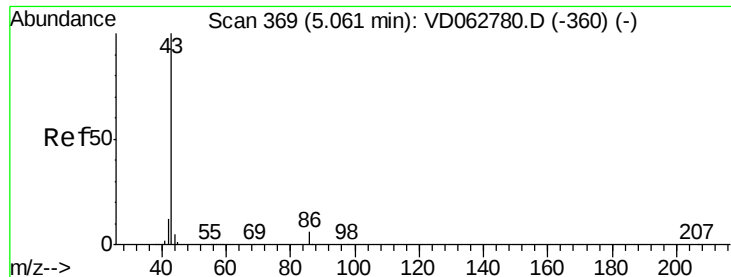
87 19.8 14.6 22.0

59 9.6 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

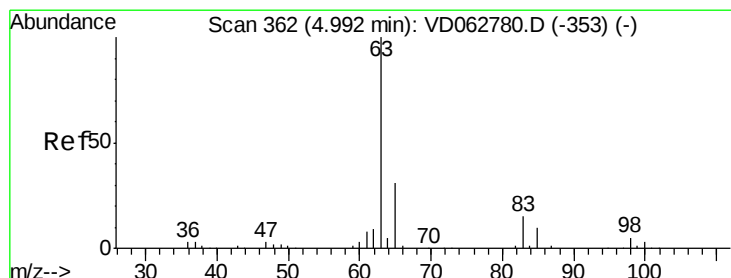
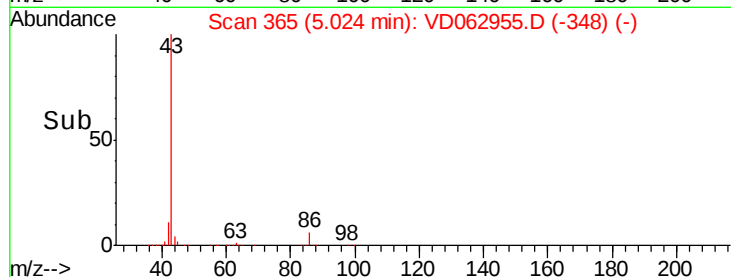
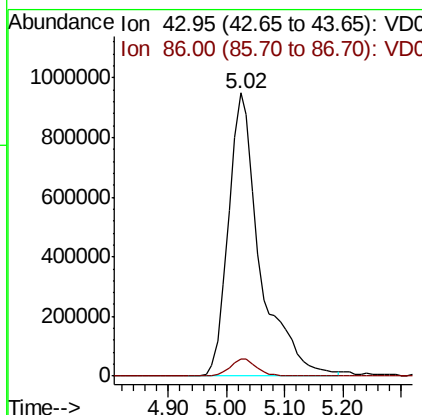
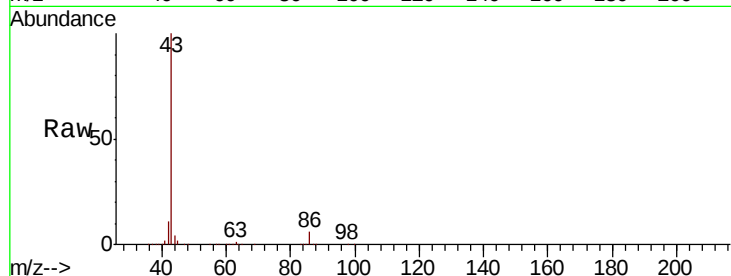




#23
 Vinyl Acetate
 Concen: 289.604 ug/l
 RT: 5.02 min Scan# 365
 Delta R.T. -0.04 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

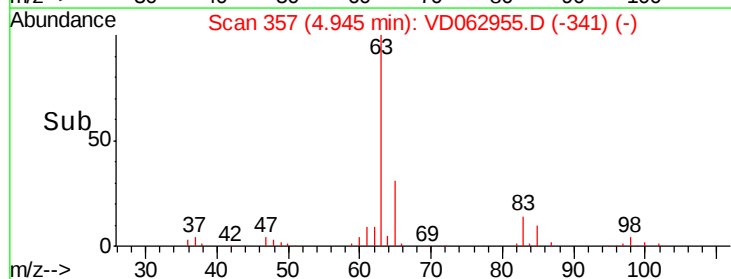
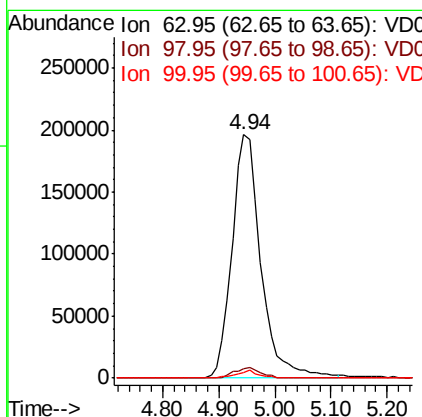
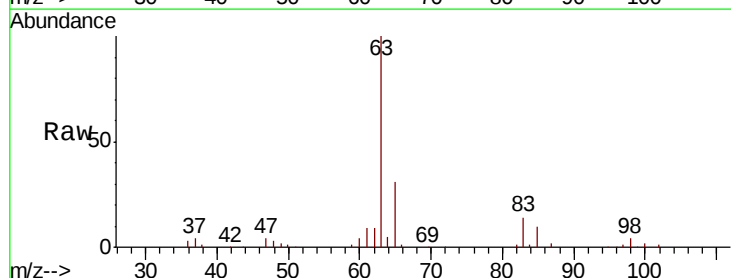
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

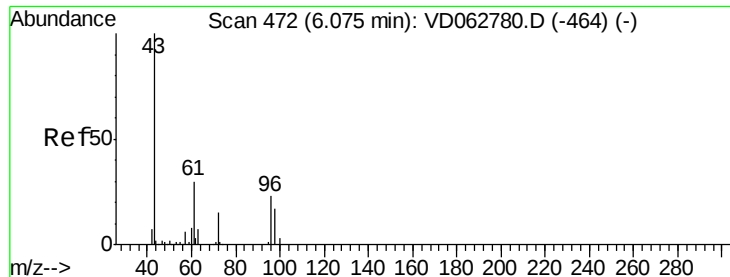
Tot Ion: 43 Resp: 3580950
 Ion Ratio Lower Upper
 43 100
 86 6.0 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 54.584 ug/l
 RT: 4.94 min Scan# 357
 Delta R.T. -0.05 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Tgt Ion: 63 Resp: 702259
 Ion Ratio Lower Upper
 63 100
 98 3.8 2.3 6.9
 100 2.3 1.7 5.1





#25

2-Butanone

Concen: 290.730 ug/l

RT: 6.05 min Scan# 469

Delta R.T. -0.03 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

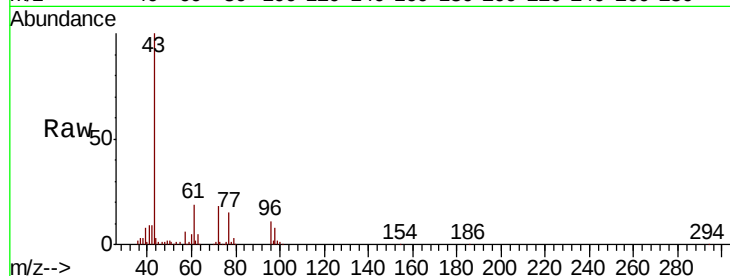
VSTDCCC050

Tot Ion: 43 Resp: 489742

Ion Ratio Lower Upper

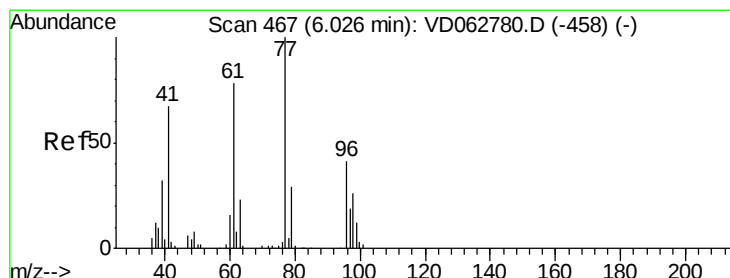
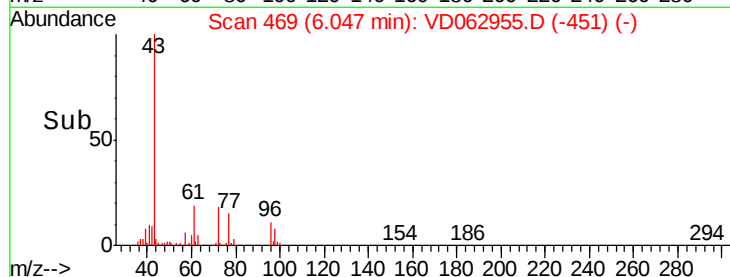
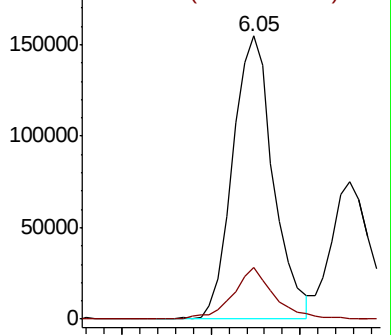
43 100

72 18.3 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: 59.904 ug/l

RT: 5.99 min Scan# 463

Delta R.T. -0.04 min

Lab File: VD062955.D

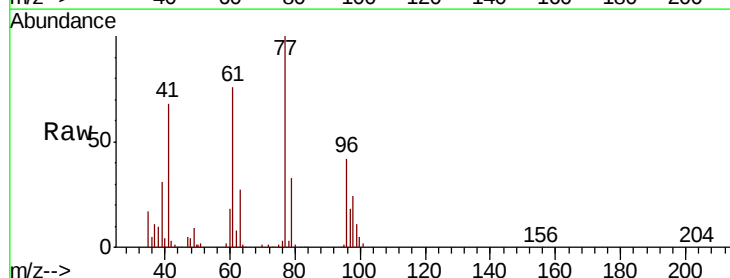
Acq: 28 Jun 2019 9:50

Tgt Ion: 77 Resp: 816909

Ion Ratio Lower Upper

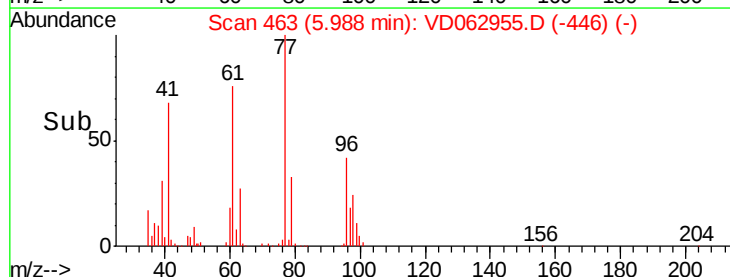
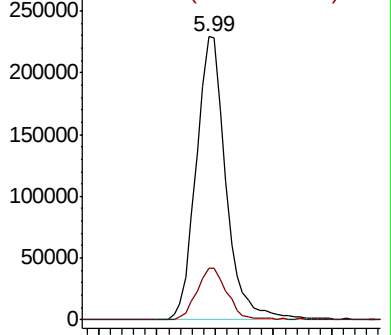
77 100

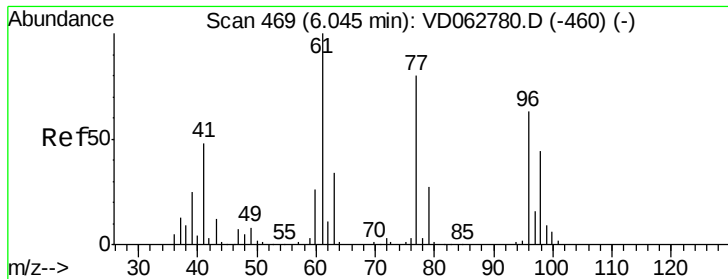
97 18.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



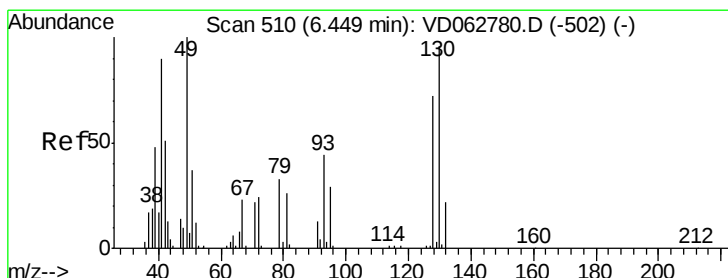
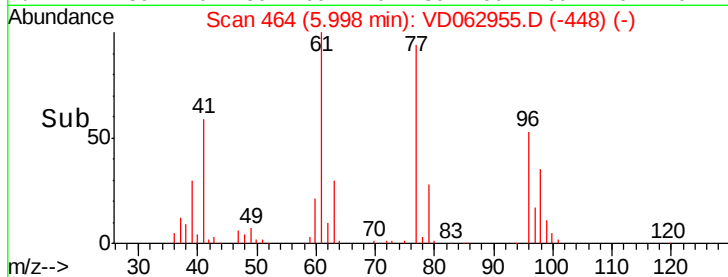
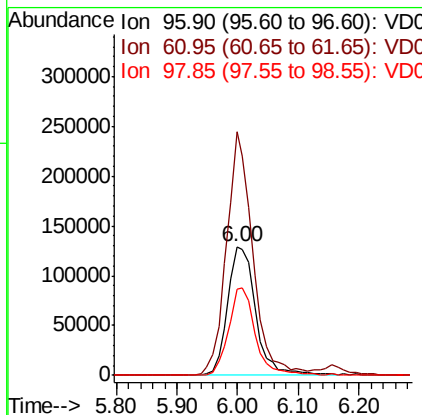
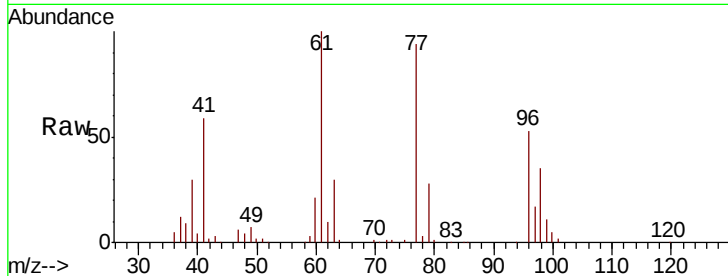


#27

cis-1,2-Dichloroethene
 Concen: 56.231 ug/l
 RT: 6.00 min Scan# 464
 Delta R.T. -0.05 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

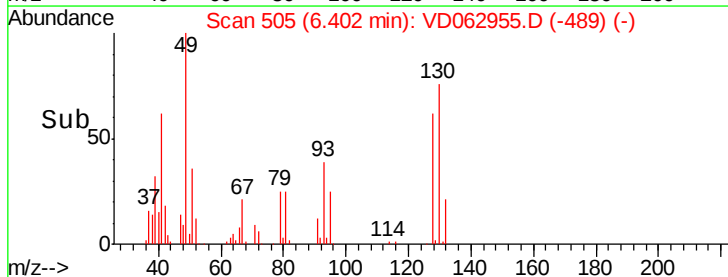
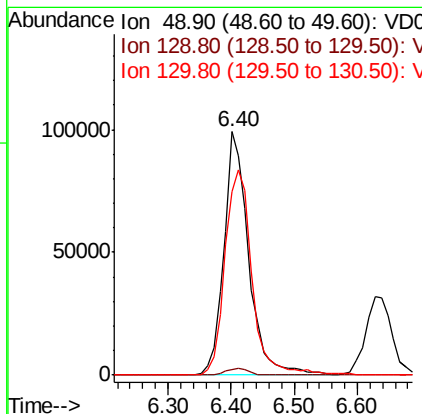
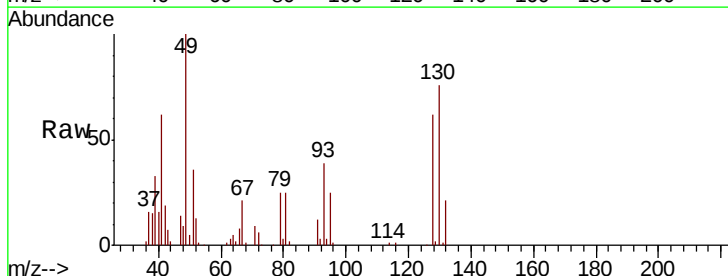
Tot Ion	Ratio	Lower	Upper
96	100		
61	189.4	0.0	316.0
98	67.0	0.0	138.4

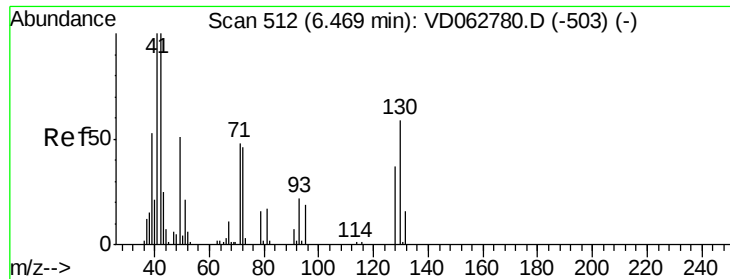


#28

Bromochloromethane
 Concen: 59.569 ug/l
 RT: 6.40 min Scan# 505
 Delta R.T. -0.05 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.6
130	75.5	76.6	114.8#

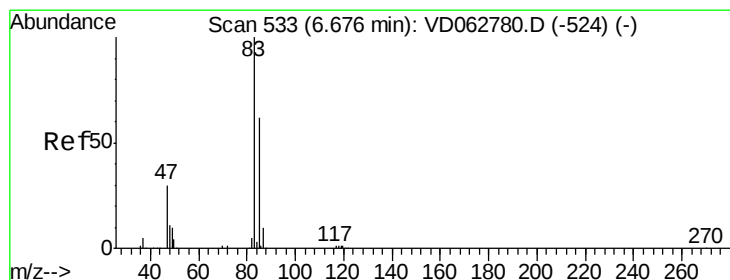
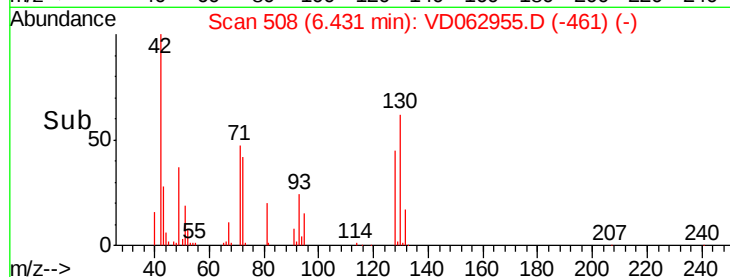
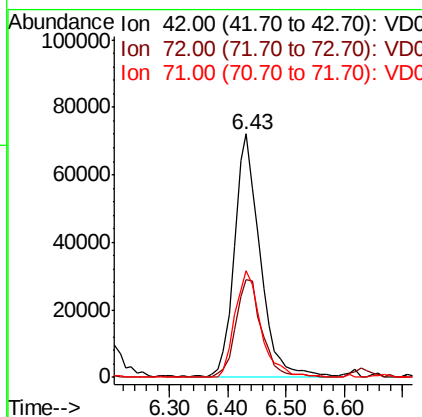
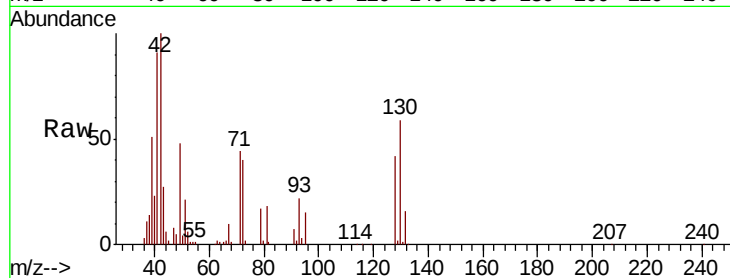




#29
Tetrahydrofuran
Concen: 277.995 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.04 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

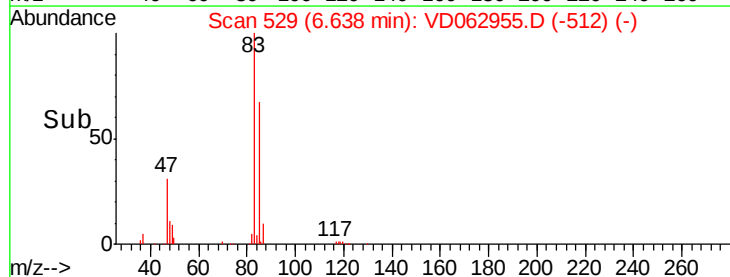
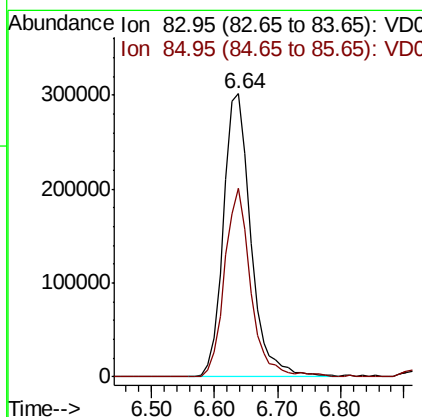
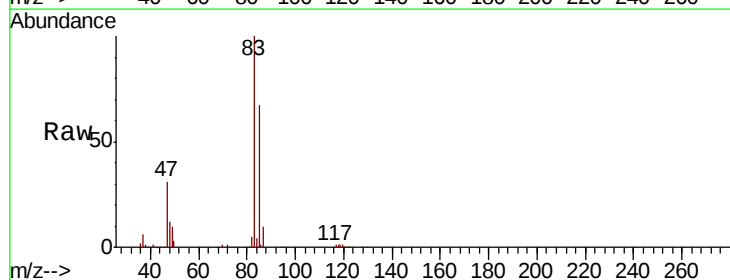
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

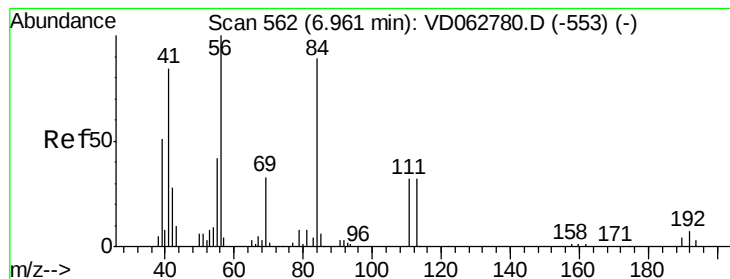
Tot Ion: 42 Resp: 221566
Ion Ratio Lower Upper
42 100
72 41.2 35.0 52.6
71 44.2 33.3 49.9



#30
Chloroform
Concen: 58.257 ug/l
RT: 6.64 min Scan# 529
Delta R.T. -0.04 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Tgt Ion: 83 Resp: 911526
Ion Ratio Lower Upper
83 100
85 66.8 49.8 74.6





#31

Cyclohexane

Concen: 53.356 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.04 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

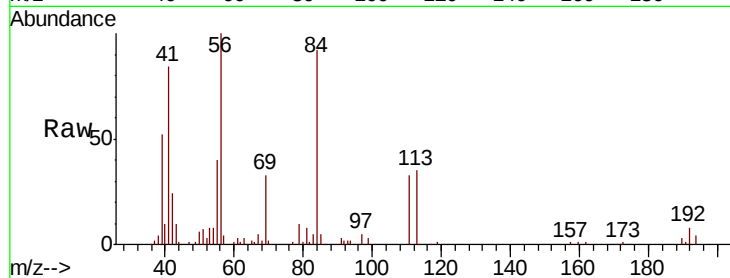
Tot Ion: 56 Resp: 451282

Ion Ratio Lower Upper

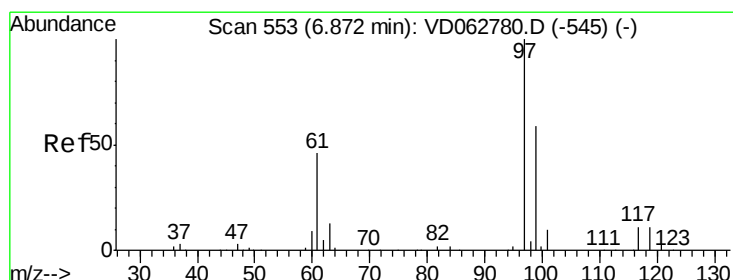
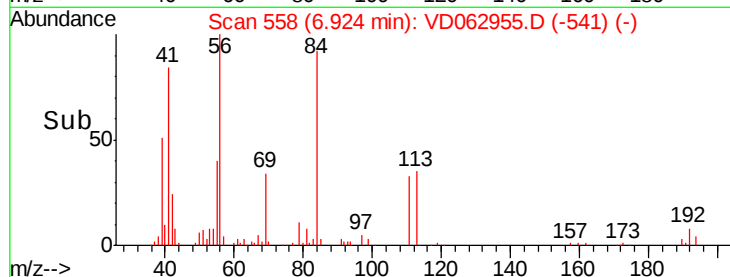
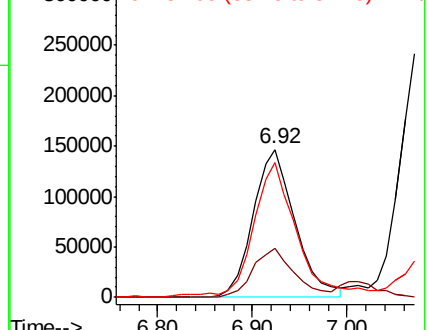
56 100

69 33.5 26.6 39.8

84 91.6 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: 53.745 ug/l

RT: 6.84 min Scan# 550

Delta R.T. -0.03 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

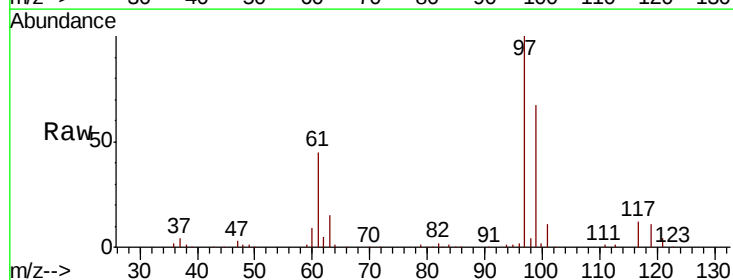
Tgt Ion: 97 Resp: 875887

Ion Ratio Lower Upper

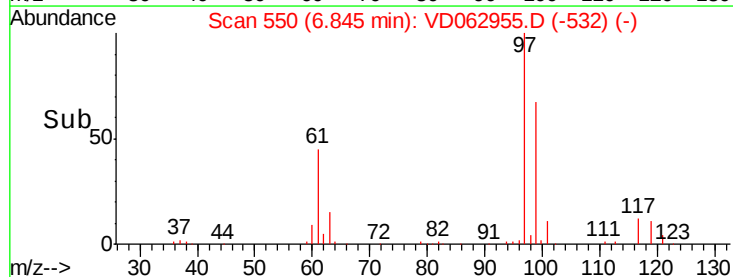
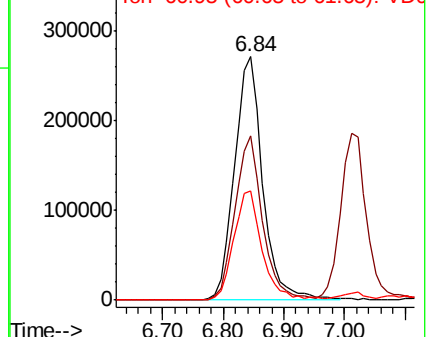
97 100

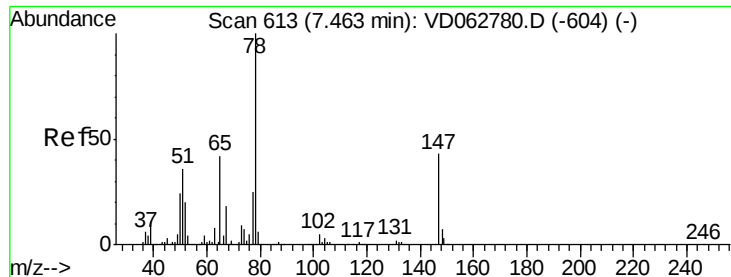
99 67.2 47.4 71.2

61 44.8 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

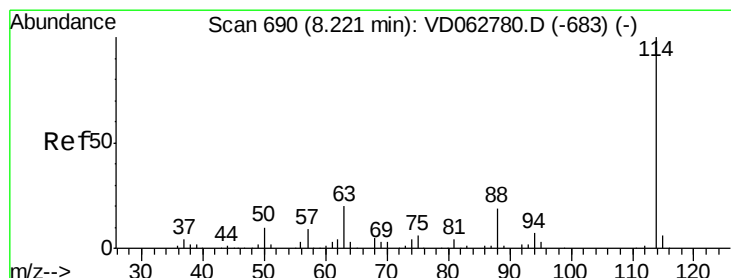
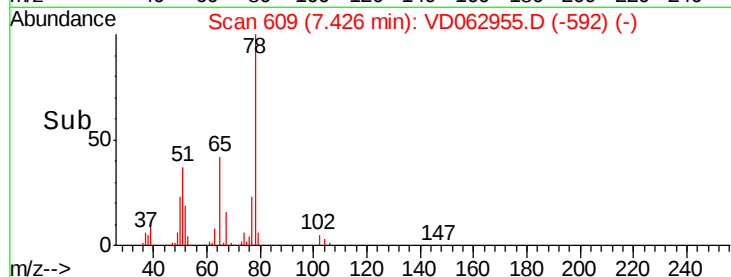
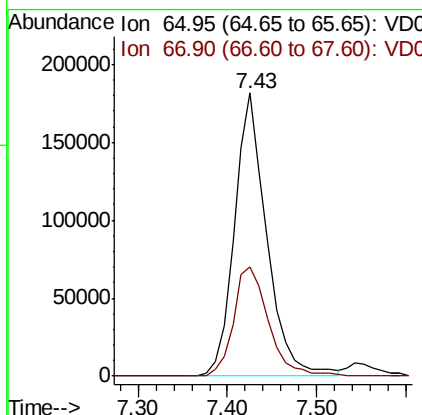
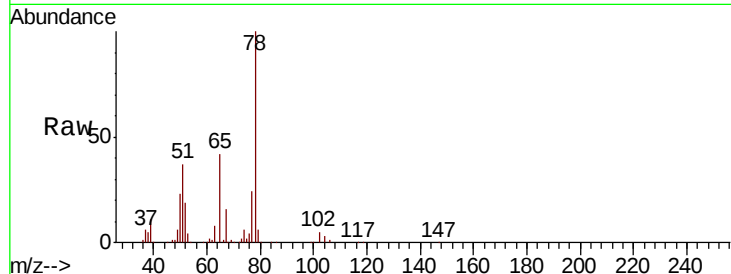




#33
 1,2-Dichloroethane-d4
 Concen: 50.695 ug/l
 RT: 7.43 min Scan# 609
 Delta R.T. -0.04 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

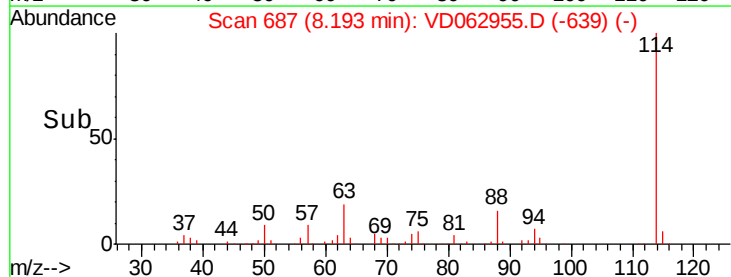
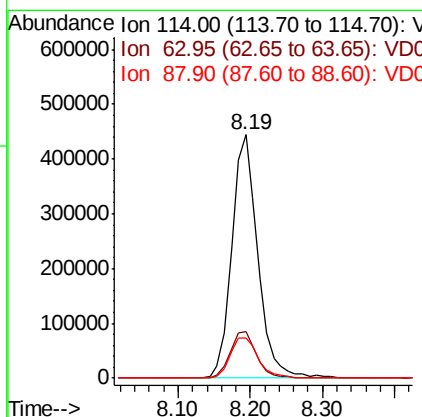
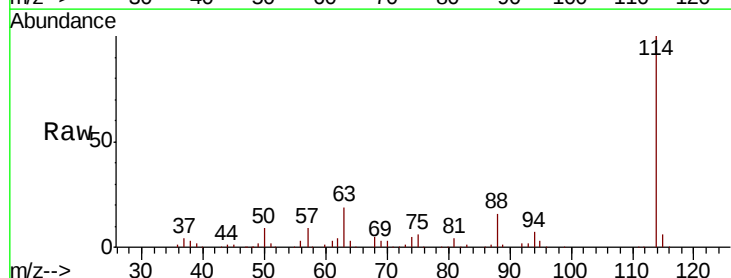
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

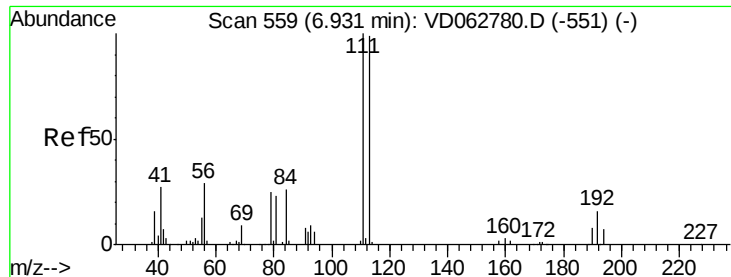
Tot Ion: 65 Resp: 456594
 Ion Ratio Lower Upper
 65 100
 67 38.6 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Tgt Ion: 114 Resp: 1111750
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 16.4 0.0 38.8

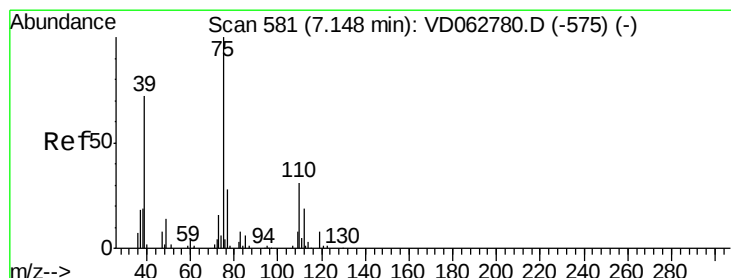
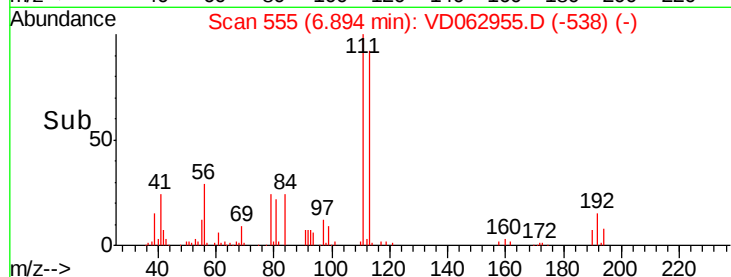
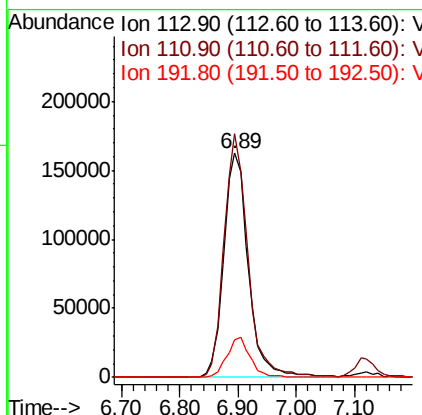
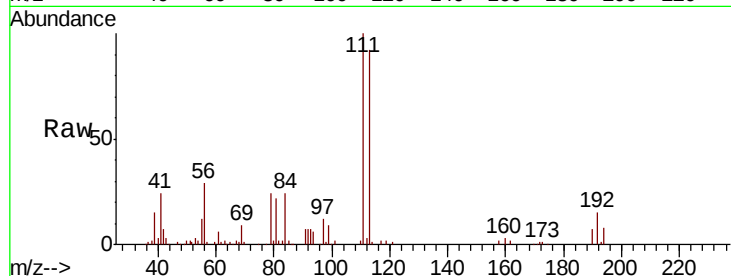




#35
 Dibromofluoromethane
 Concen: 50.772 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

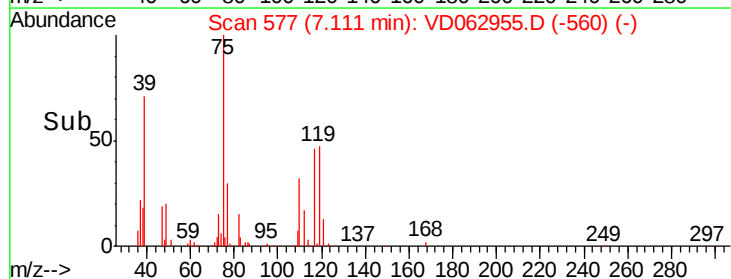
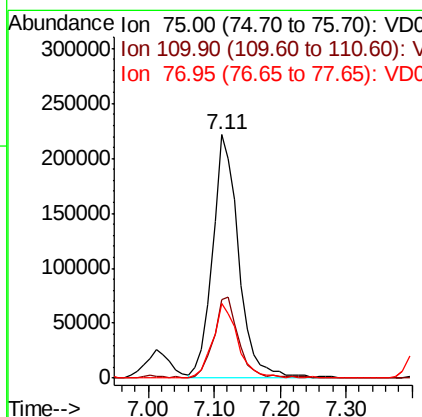
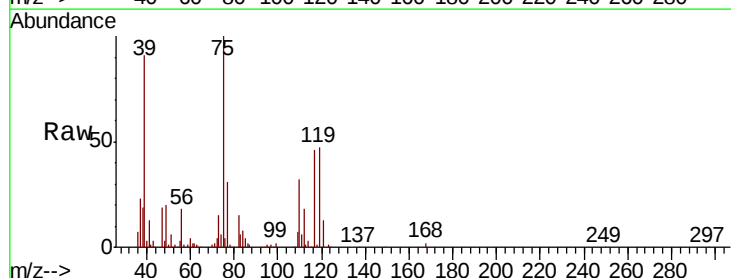
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

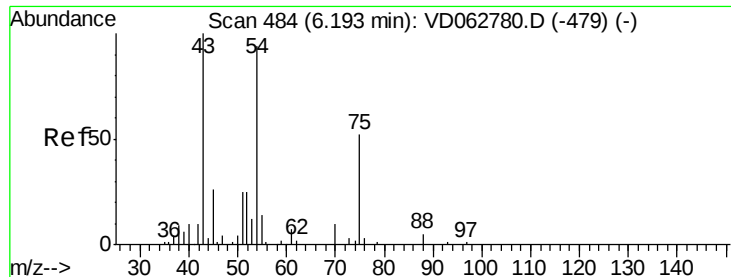
Tot Ion	Ratio	Lower	Upper
113	100		
111	108.5	81.2	121.8
192	16.5	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 57.400 ug/l
 RT: 7.11 min Scan# 577
 Delta R.T. -0.04 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	15.0	45.1
77	30.6	22.2	33.2





#37

Ethyl Acetate

Concen: 54.680 ug/l

RT: 6.16 min Scan# 480

Delta R.T. -0.04 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

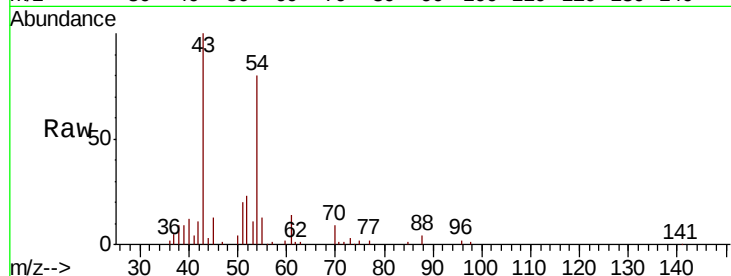
Tot Ion: 43 Resp: 241281

Ion Ratio Lower Upper

43 100

61 14.1 11.6 17.4

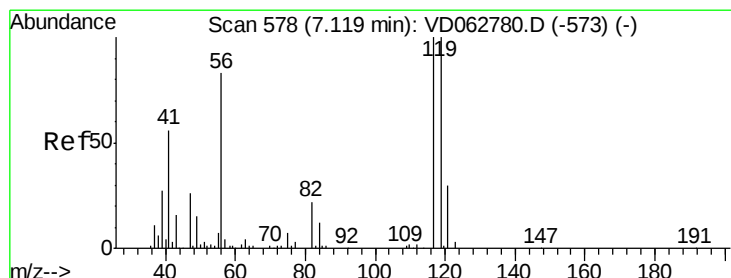
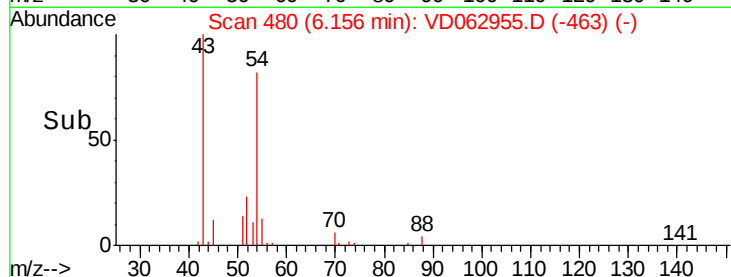
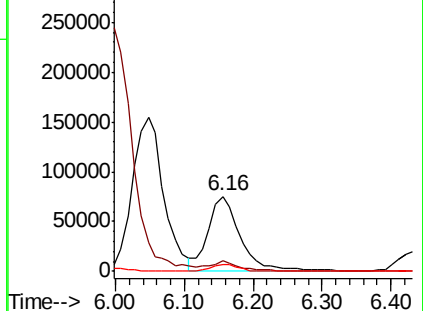
70 8.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 60.532 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

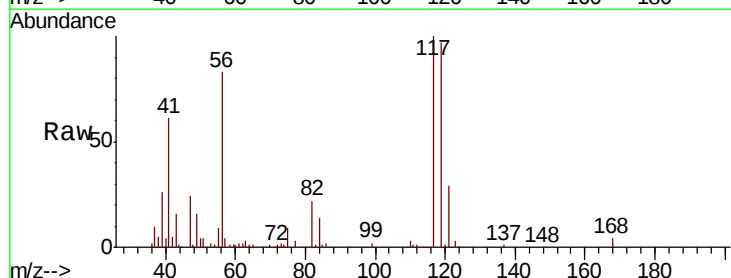
Tgt Ion: 117 Resp: 958103

Ion Ratio Lower Upper

117 100

119 96.9 75.4 113.2

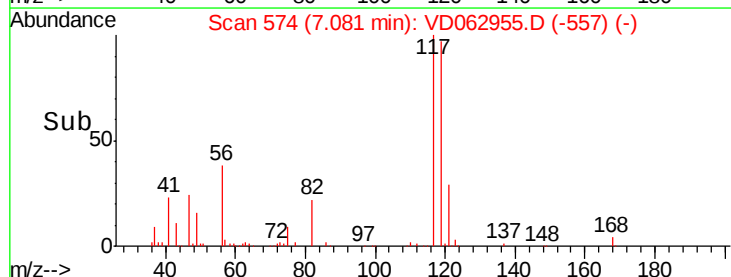
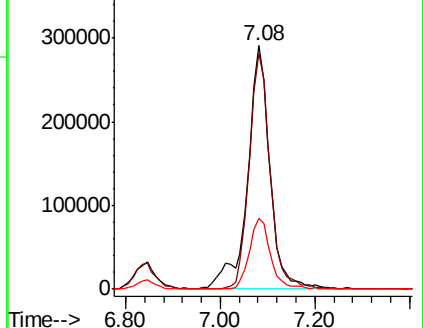
121 29.0 22.3 33.5

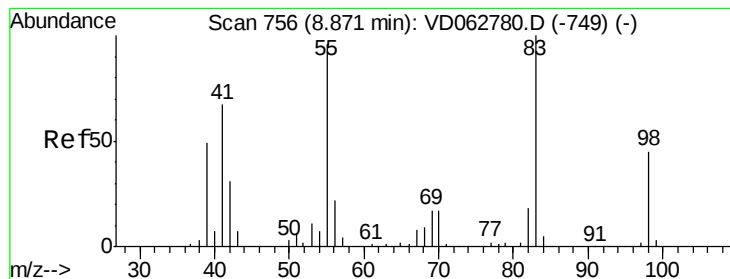


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 56.919 ug/l

RT: 8.83 min Scan# 752

Delta R.T. -0.04 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

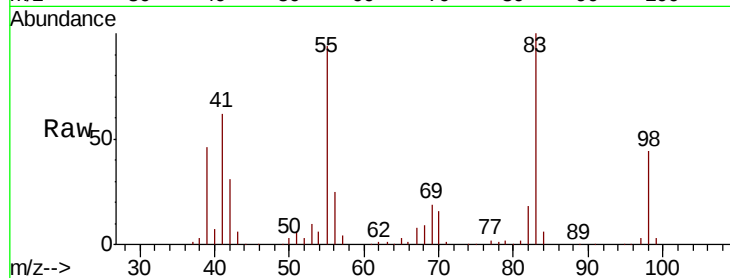
Tot Ion: 83 Resp: 527287

Ion Ratio Lower Upper

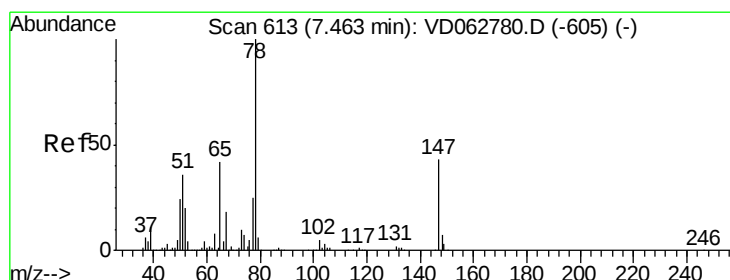
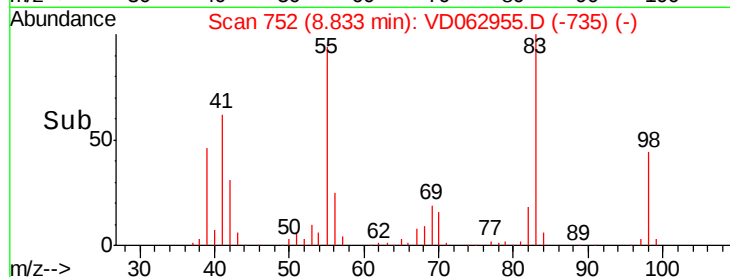
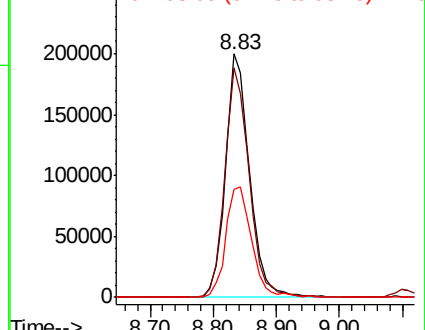
83 100

55 94.5 76.6 115.0

98 44.1 35.7 53.5



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 56.875 ug/l

RT: 7.43 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062955.D

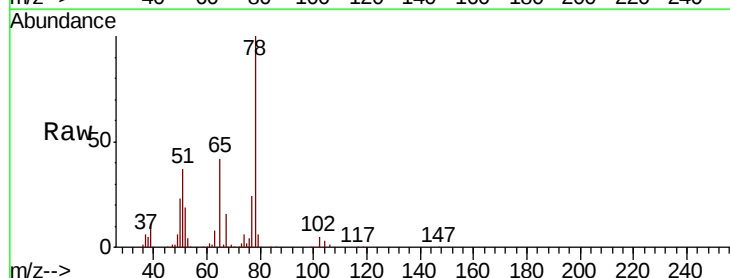
Acq: 28 Jun 2019 9:50

Tgt Ion: 78 Resp: 1201504

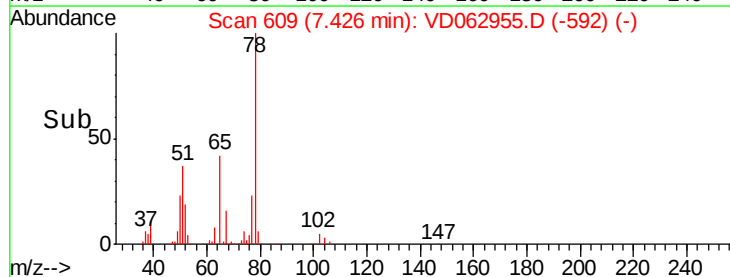
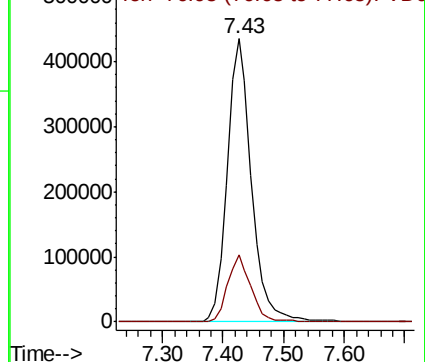
Ion Ratio Lower Upper

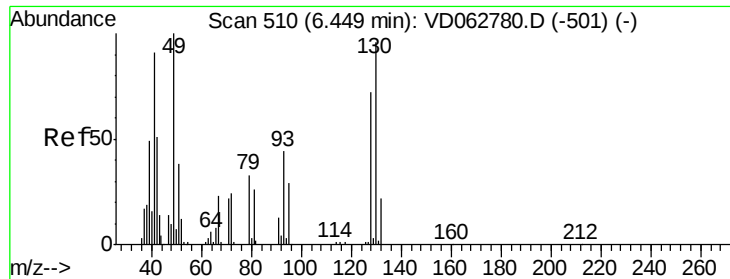
78 100

77 23.5 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

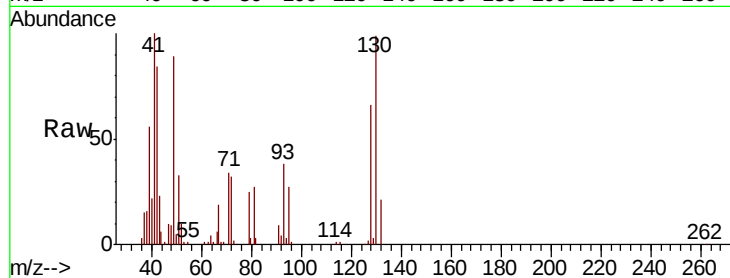




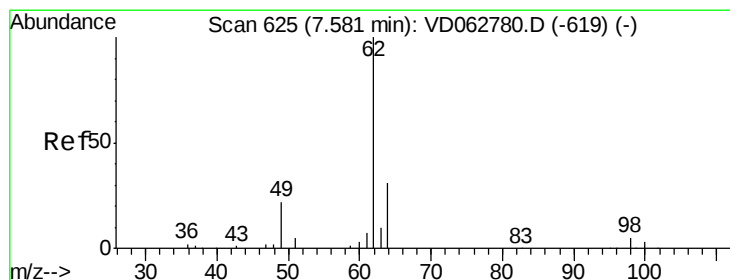
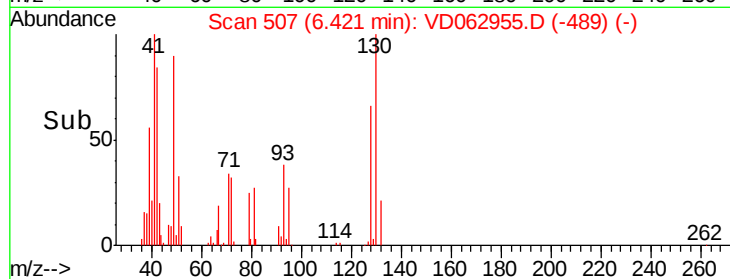
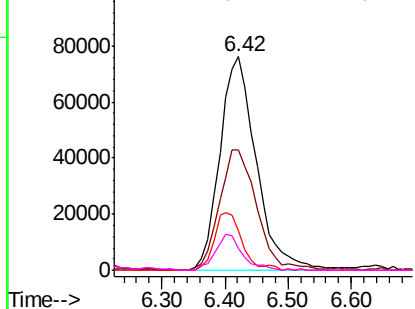
#41
Methacrylonitrile
Concen: 54.897 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	304682
Ion	Ratio	Lower	Upper
41	100		
39	56.3	43.2	64.8
67	18.7	19.9	29.9#
52	10.4	10.2	15.4

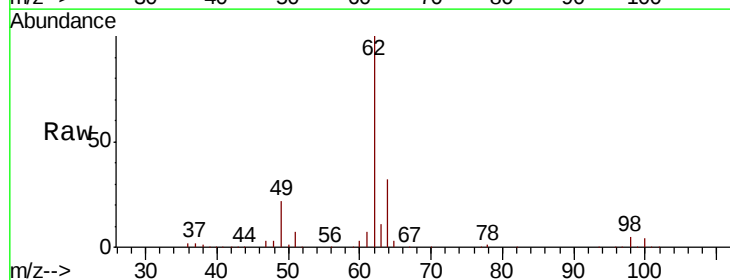


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

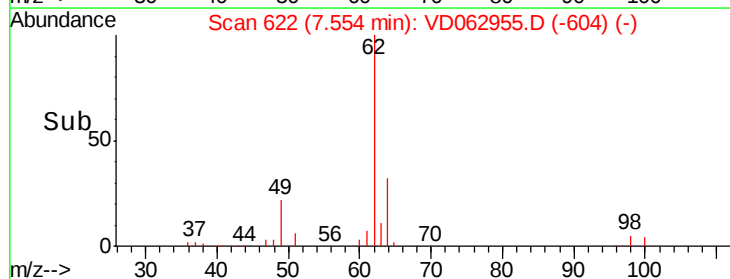
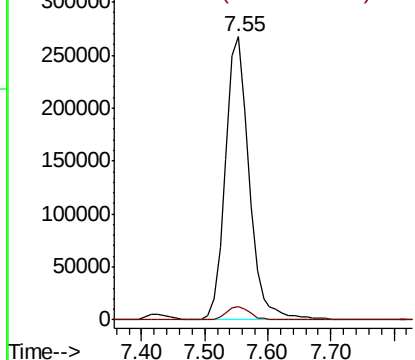


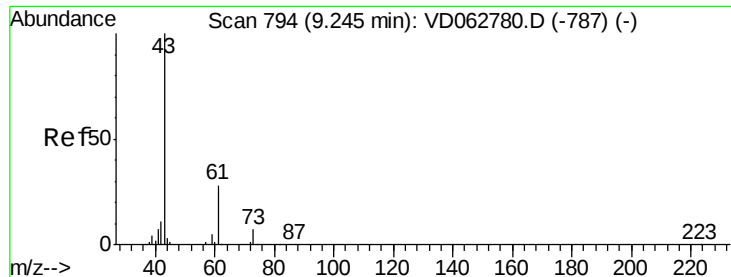
#42
1,2-Dichloroethane
Concen: 60.644 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Tgt Ion:	62	Resp:	698884
Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	10.0



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

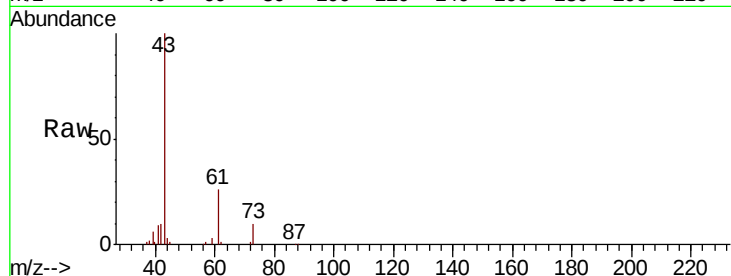




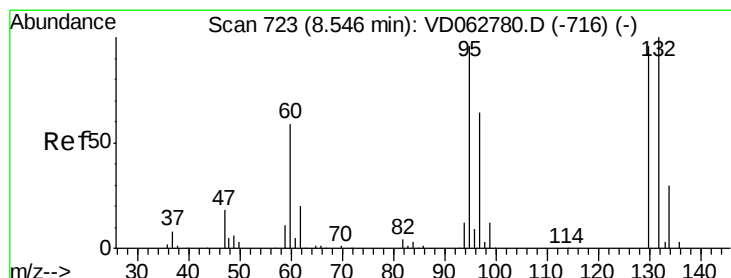
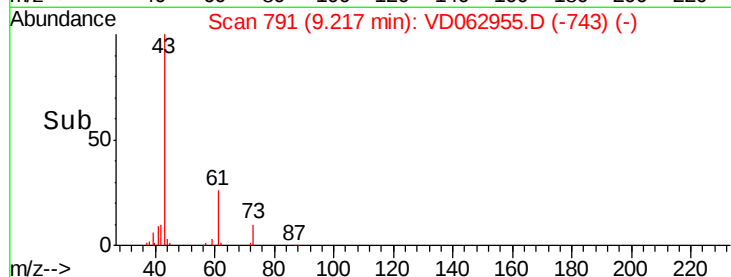
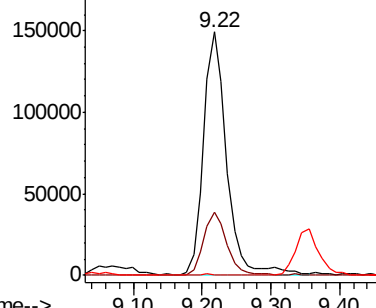
#43
Isopropyl Acetate
Concen: 63.272 ug/l
RT: 9.22 min Scan# 791
Delta R.T. -0.03 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 349102
Ion Ratio Lower Upper
43 100
61 26.0 22.4 33.6
87 0.4 0.3 0.5

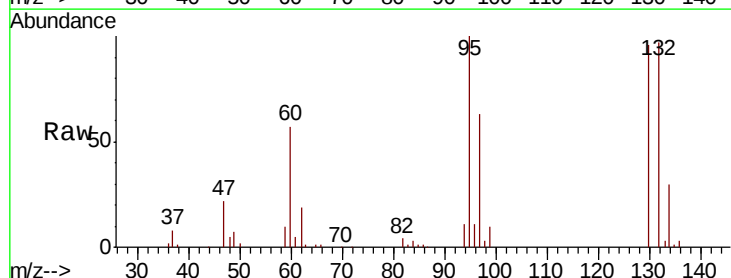


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

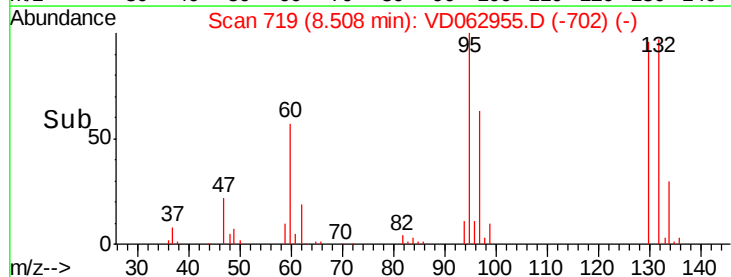
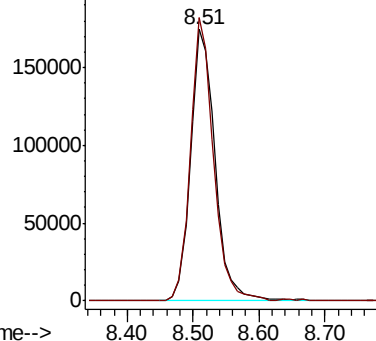


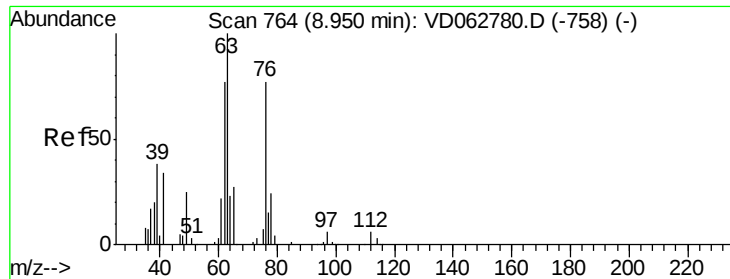
#44
Trichloroethene
Concen: 54.594 ug/l
RT: 8.51 min Scan# 719
Delta R.T. -0.04 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Tgt Ion: 130 Resp: 452152
Ion Ratio Lower Upper
130 100
95 104.2 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 55.755 ug/l

RT: 8.91 min Scan# 760

Delta R.T. -0.04 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

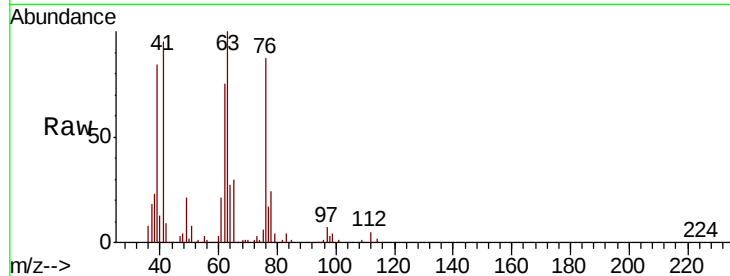
VSTDCCC050

Tot Ion: 63 Resp: 292879

Ion Ratio Lower Upper

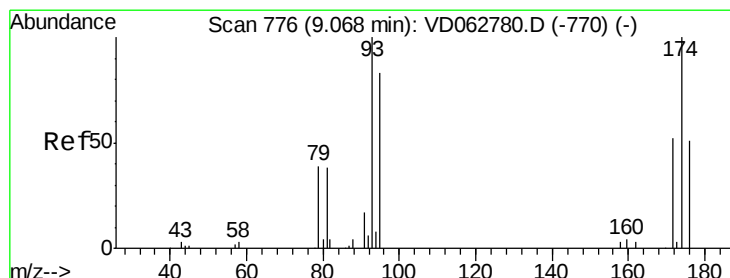
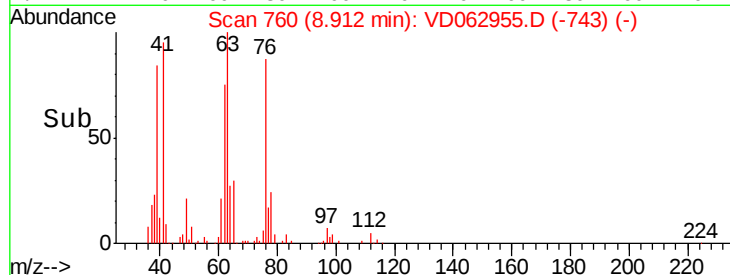
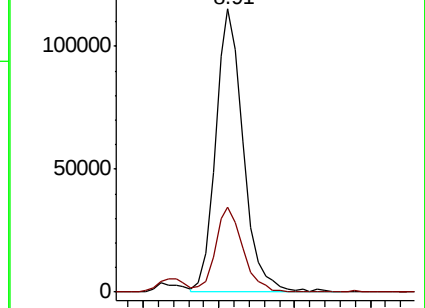
63 100

65 30.1 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 54.569 ug/l

RT: 9.04 min Scan# 773

Delta R.T. -0.03 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

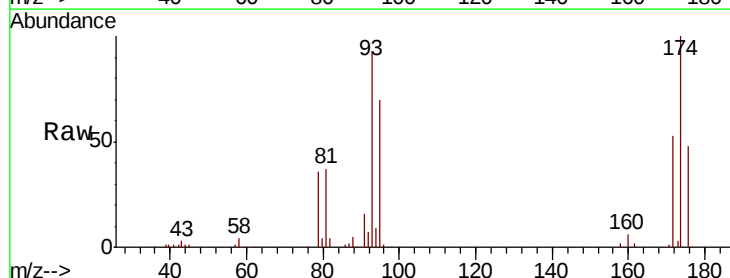
Tgt Ion: 93 Resp: 246238

Ion Ratio Lower Upper

93 100

95 74.9 66.6 100.0

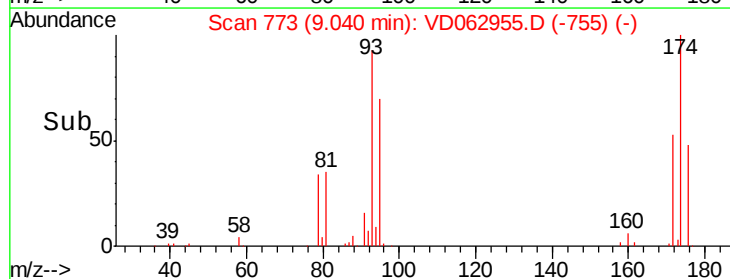
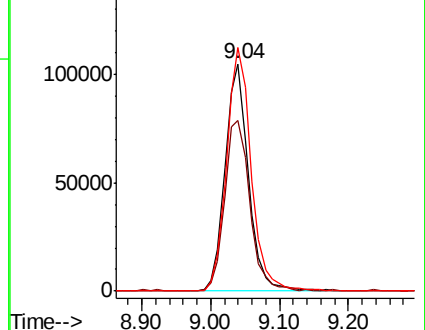
174 107.1 79.7 119.5

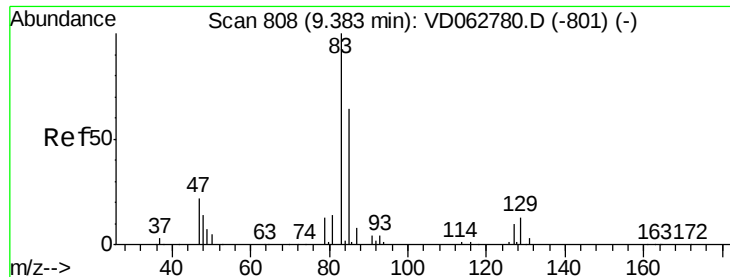


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 58.467 ug/l

RT: 9.36 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

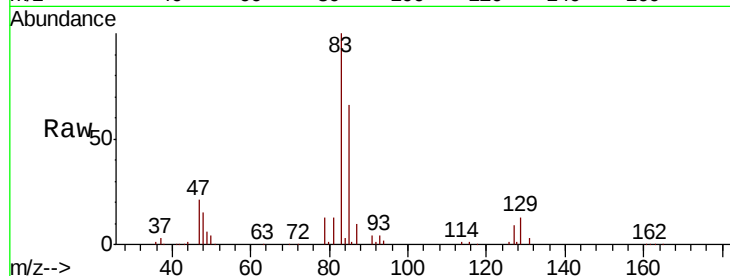
Tot Ion: 83 Resp: 685181

Ion Ratio Lower Upper

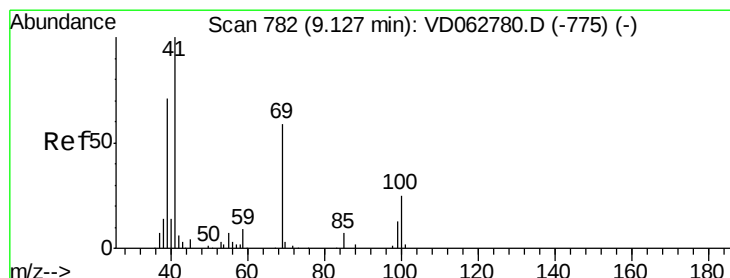
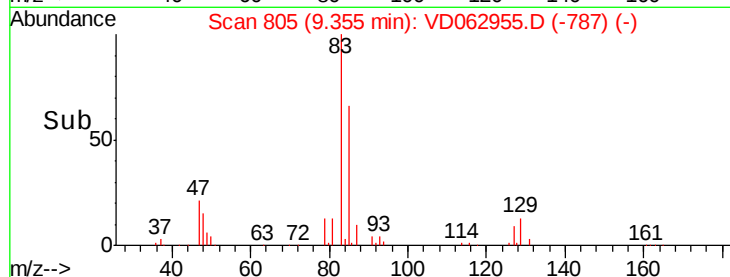
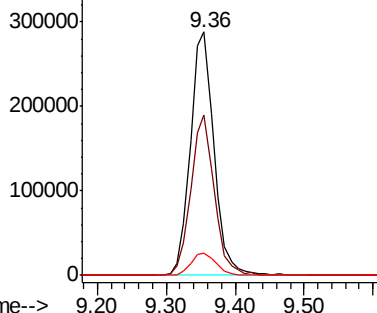
83 100

85 65.9 51.6 77.4

127 9.2 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: 56.927 ug/l

RT: 9.10 min Scan# 779

Delta R.T. -0.03 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

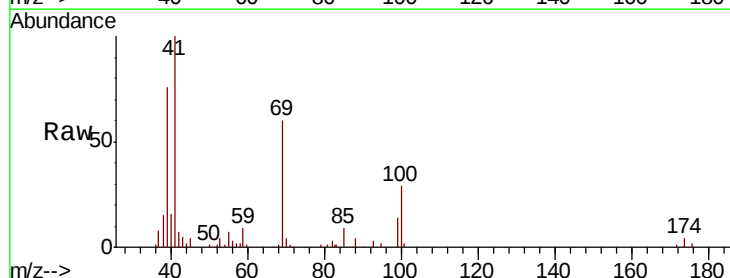
Tgt Ion: 41 Resp: 223206

Ion Ratio Lower Upper

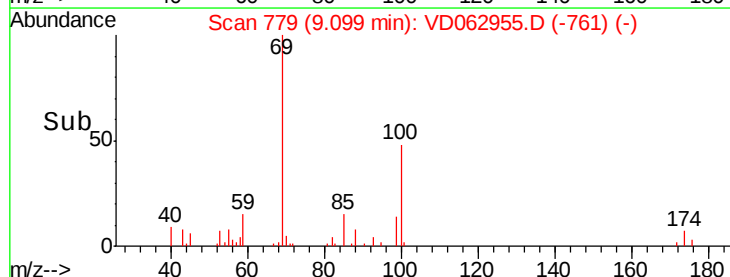
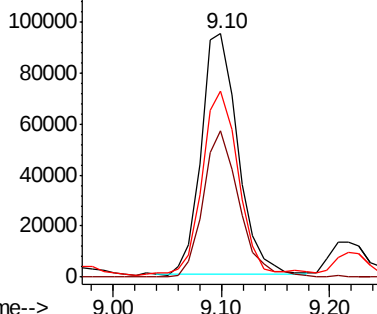
41 100

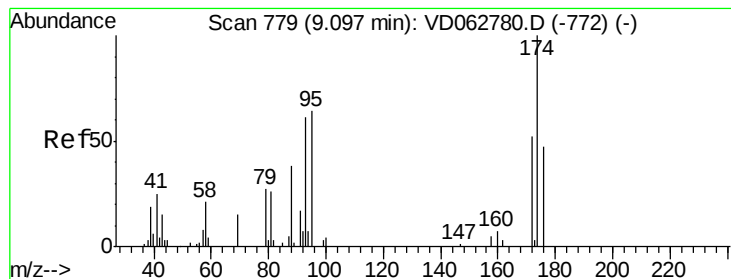
69 60.0 47.2 70.8

39 76.4 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: 1162.298 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.03 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

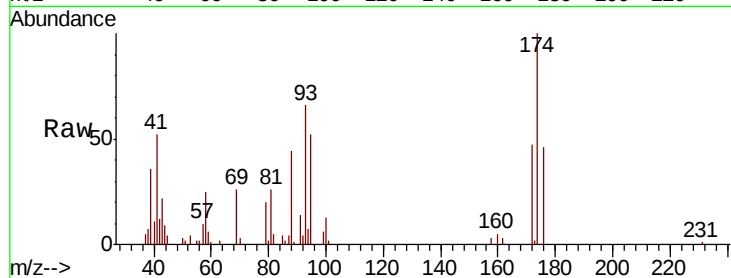
Tot Ion: 88 Resp: 37915

Ion Ratio Lower Upper

88 100

43 50.9 32.1 48.1#

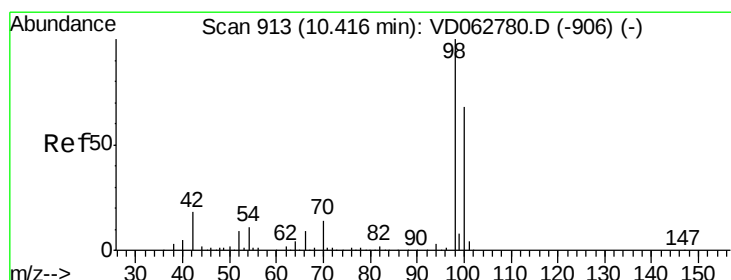
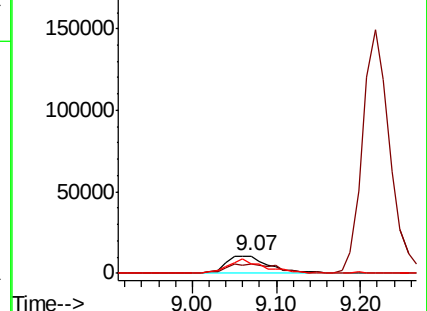
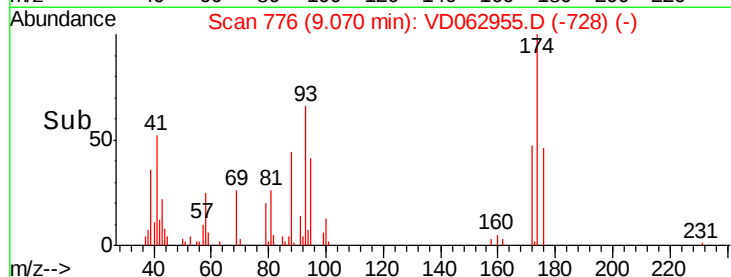
58 57.1 44.1 66.1



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: 52.507 ug/l

RT: 10.39 min Scan# 910

Delta R.T. -0.03 min

Lab File: VD062955.D

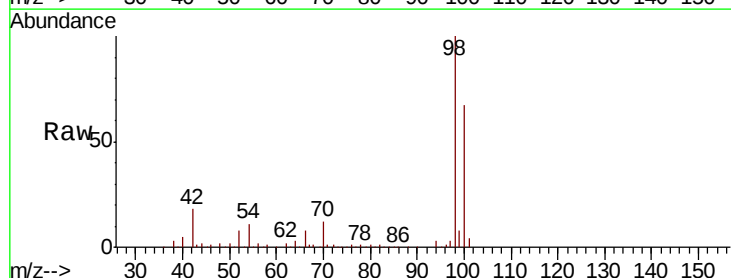
Acq: 28 Jun 2019 9:50

Tgt Ion: 98 Resp: 1071272

Ion Ratio Lower Upper

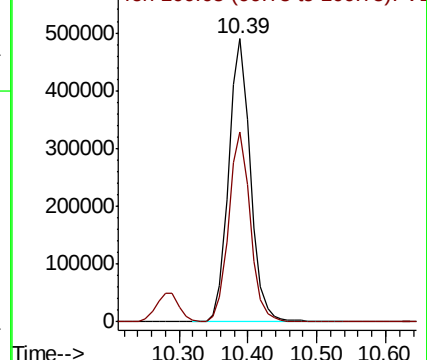
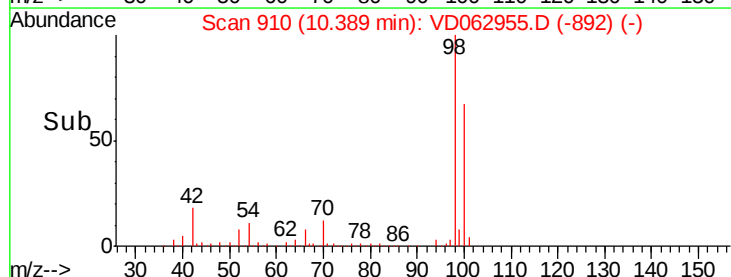
98 100

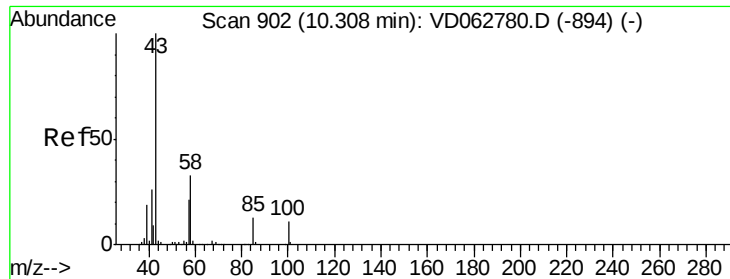
100 67.3 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

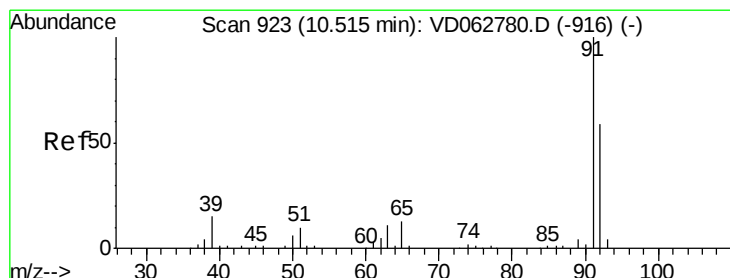
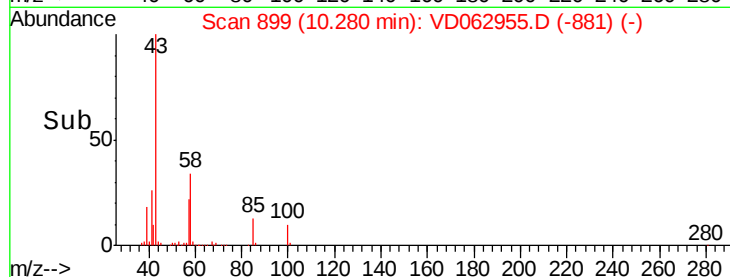
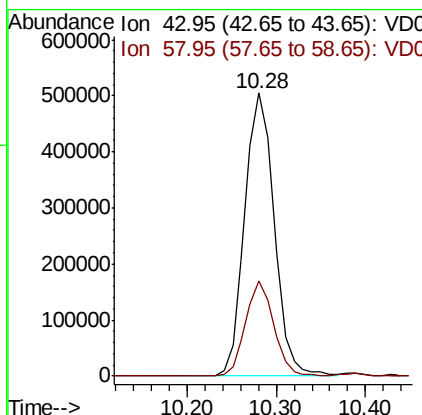
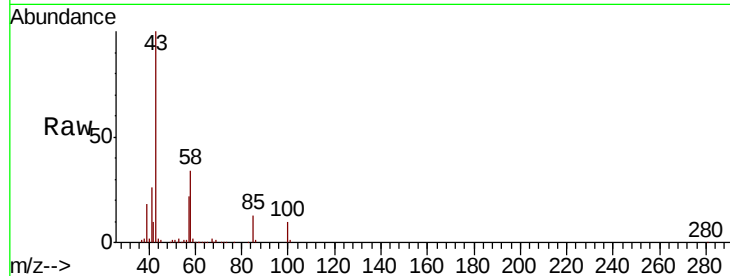




#51
 4-Methyl-2-Pentanone
 Concen: 296.926 ug/l
 RT: 10.28 min Scan# 899
 Delta R.T. -0.03 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

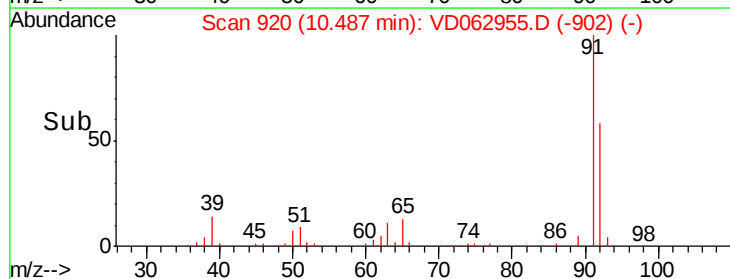
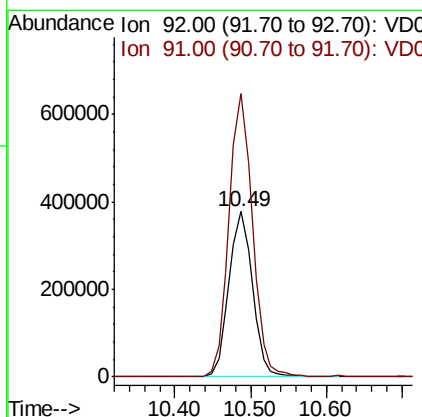
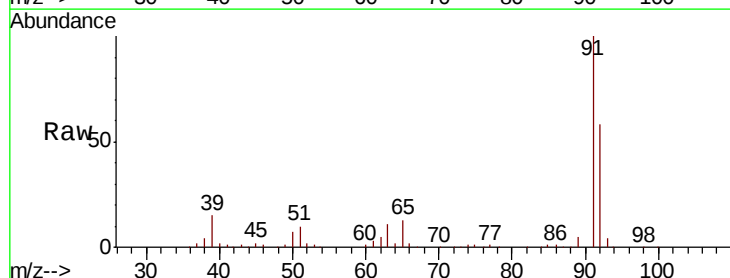
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

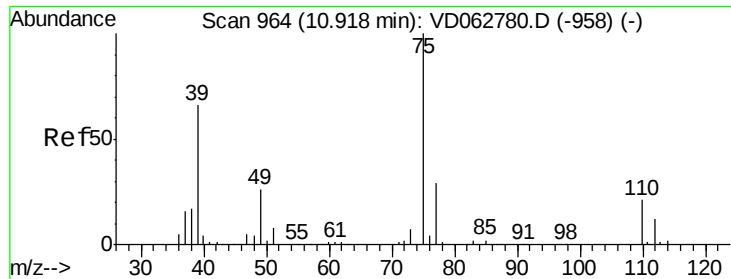
Tot Ion: 43 Resp: 1161542
 Ion Ratio Lower Upper
 43 100
 58 33.7 26.6 40.0



#52
 Toluene
 Concen: 57.445 ug/l
 RT: 10.49 min Scan# 920
 Delta R.T. -0.03 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Tgt Ion: 92 Resp: 815751
 Ion Ratio Lower Upper
 92 100
 91 171.1 136.3 204.5

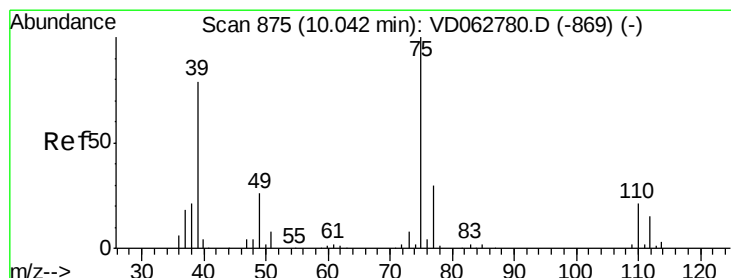
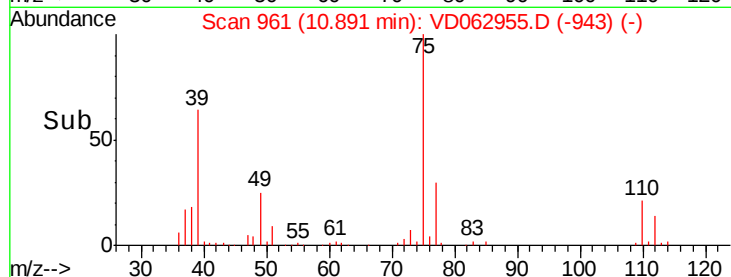
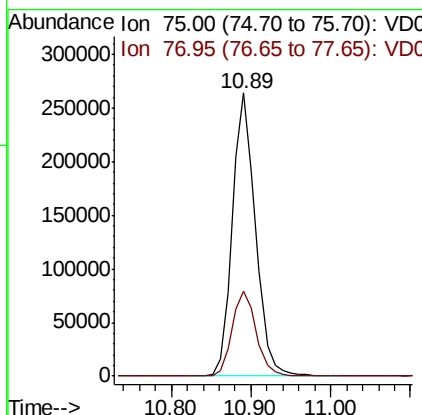
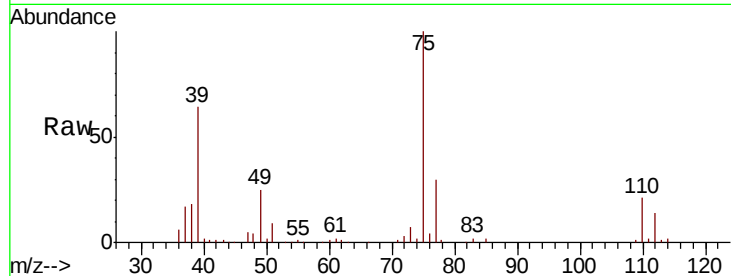




#53
 t-1,3-Dichloropropene
 Concen: 55.888 ug/l
 RT: 10.89 min Scan# 961
 Delta R.T. -0.03 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

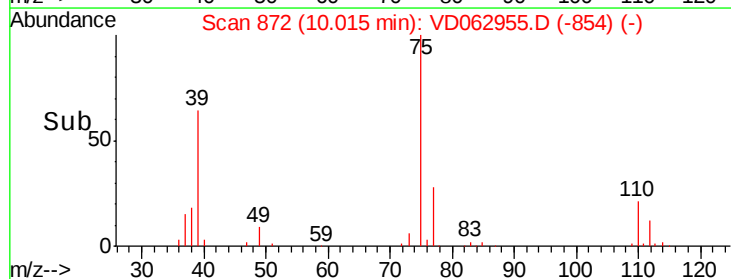
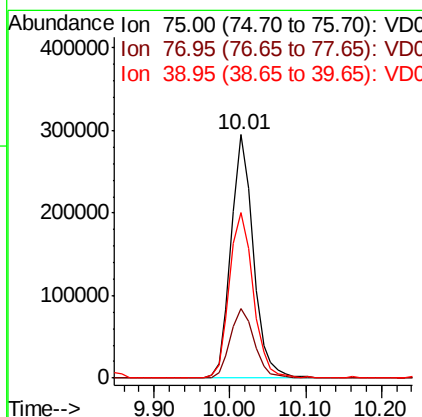
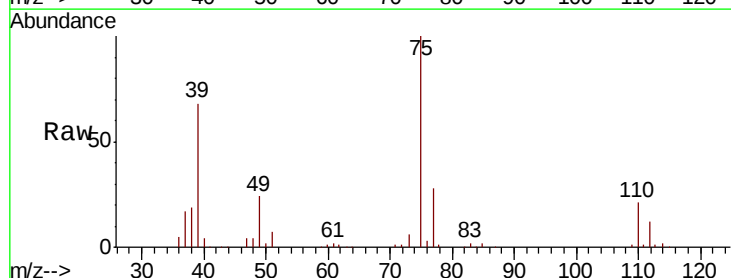
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

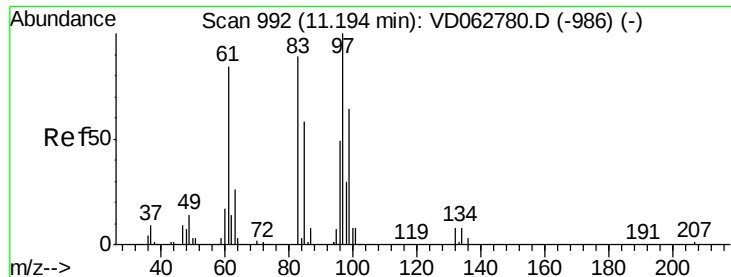
Tot Ion: 75 Resp: 536077
 Ion Ratio Lower Upper
 75 100
 77 30.1 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 57.604 ug/l
 RT: 10.01 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Tgt Ion: 75 Resp: 600558
 Ion Ratio Lower Upper
 75 100
 77 28.5 24.2 36.2
 39 68.2 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 53.361 ug/l

RT: 11.17 min Scan# 989

Delta R.T. -0.03 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 260335

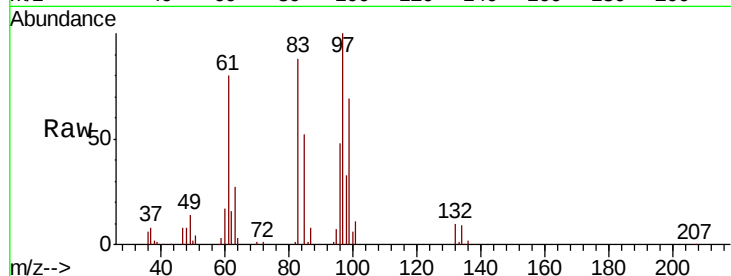
Ion Ratio Lower Upper

97 100

83 88.3 71.0 106.4

85 51.6 46.6 69.8

99 69.4 51.4 77.0

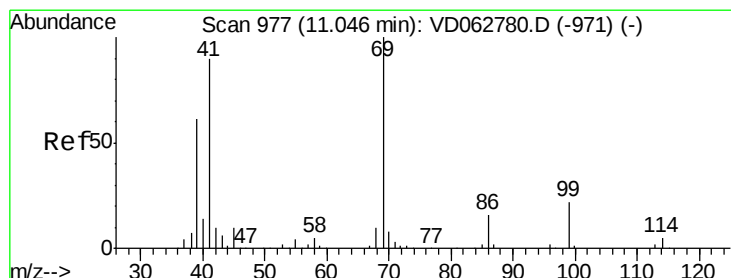
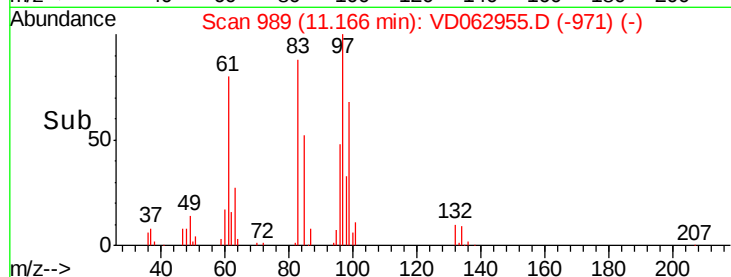
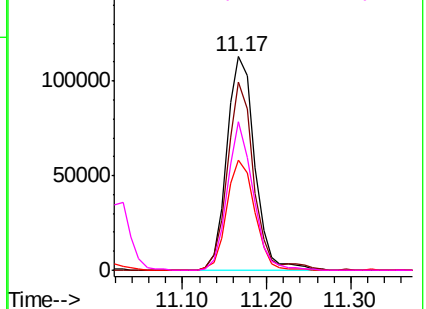


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 58.013 ug/l

RT: 11.02 min Scan# 974

Delta R.T. -0.03 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

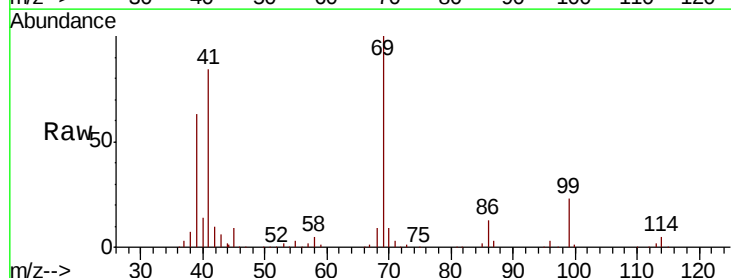
Tgt Ion: 69 Resp: 302473

Ion Ratio Lower Upper

69 100

41 83.8 72.0 108.0

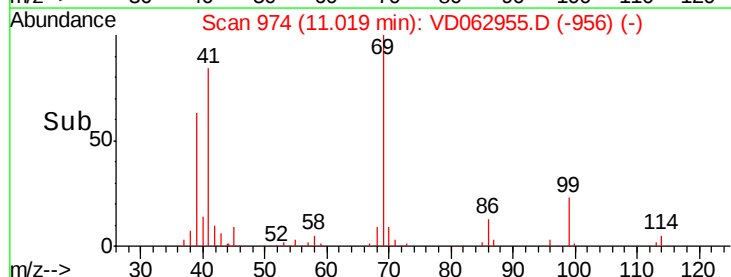
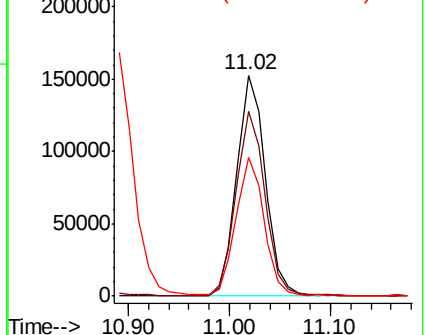
39 62.9 49.5 74.3

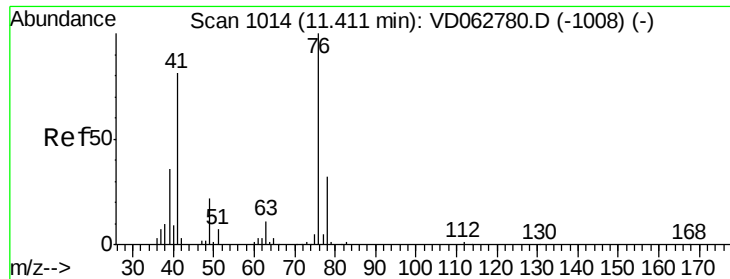


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 55.106 ug/l

RT: 11.38 min Scan# 1011

Delta R.T. -0.03 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

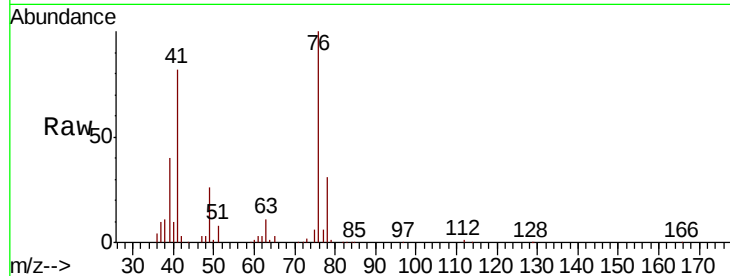
VSTDCCC050

Tot Ion: 76 Resp: 411655

Ion Ratio Lower Upper

76 100

78 31.1 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.38

200000

150000

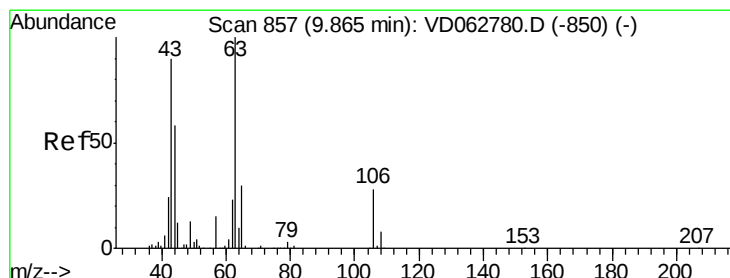
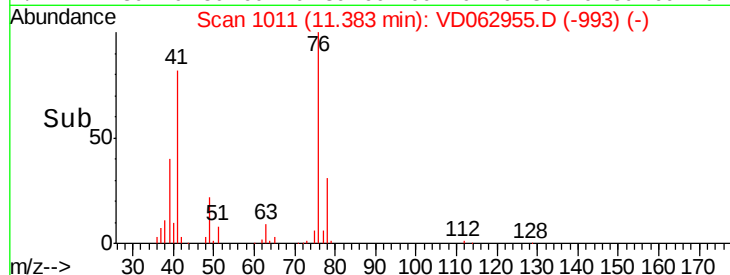
100000

50000

0

Time-->

11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 297.973 ug/l

RT: 9.84 min Scan# 854

Delta R.T. -0.03 min

Lab File: VD062955.D

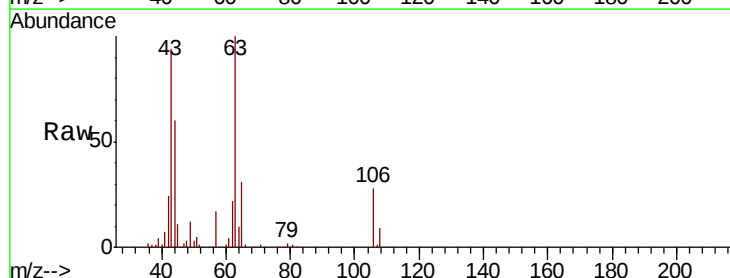
Acq: 28 Jun 2019 9:50

Tgt Ion: 63 Resp: 797594

Ion Ratio Lower Upper

63 100

106 28.1 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.84

400000

300000

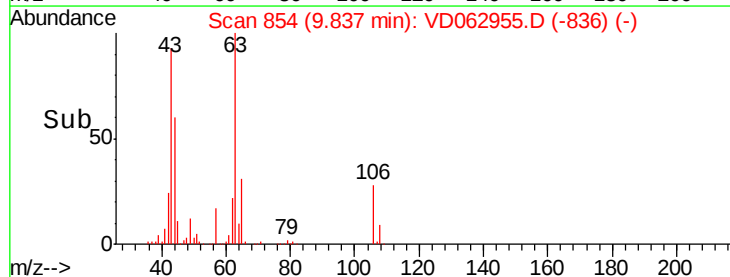
200000

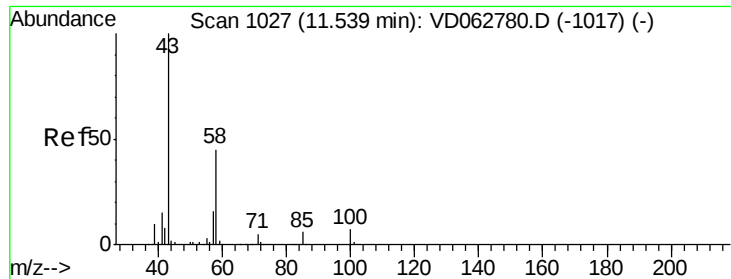
100000

0

Time-->

9.70 9.80 9.90 10.00

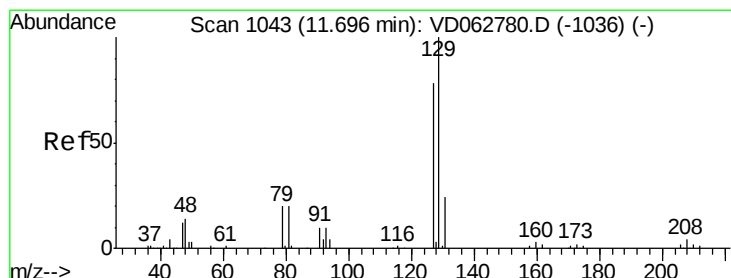
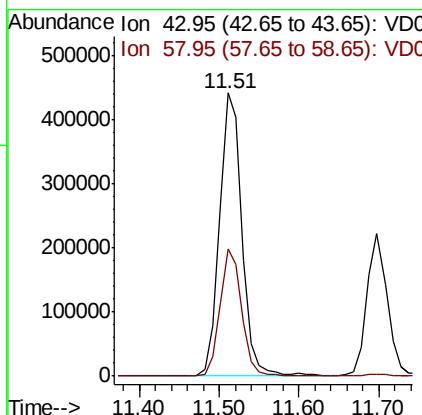
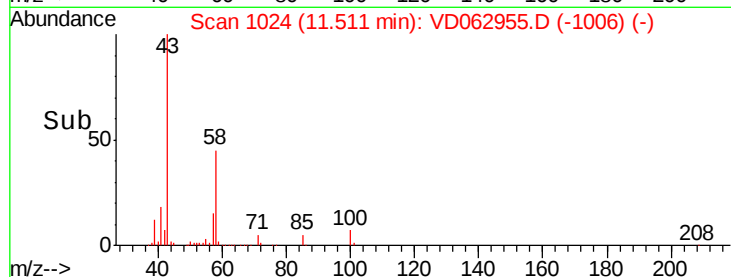
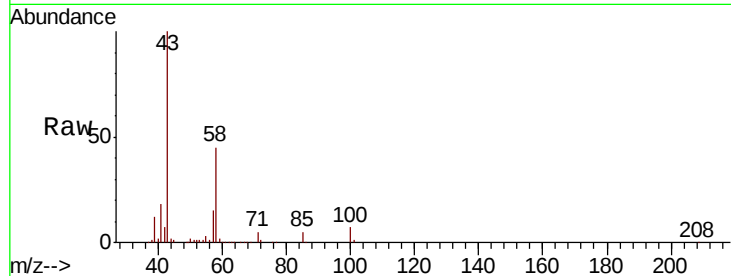




#59
2-Hexanone
Concen: 314.546 ug/l
RT: 11.51 min Scan# 1024
Delta R.T. -0.03 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

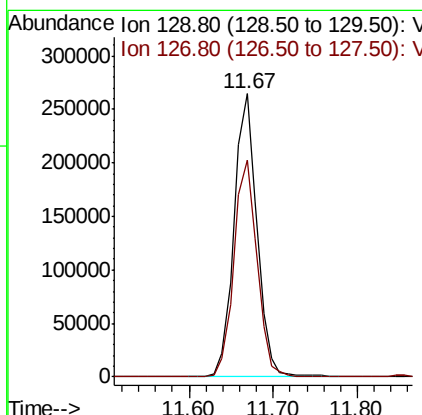
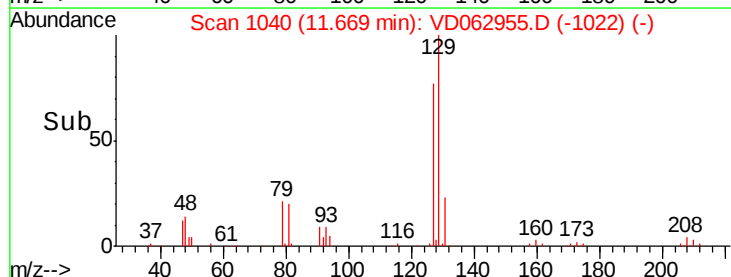
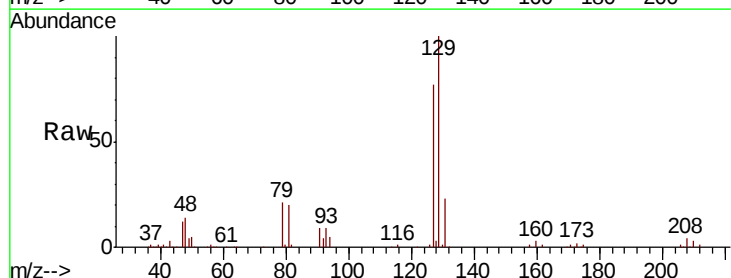
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

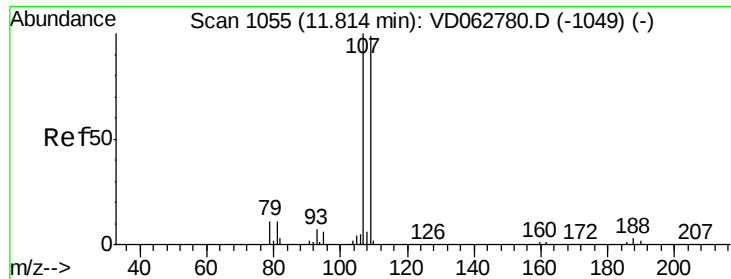
Tot Ion: 43 Resp: 876329
Ion Ratio Lower Upper
43 100
58 45.0 22.4 67.2



#60
Dibromochloromethane
Concen: 55.011 ug/l
RT: 11.67 min Scan# 1040
Delta R.T. -0.03 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Tgt Ion: 129 Resp: 499910
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.6

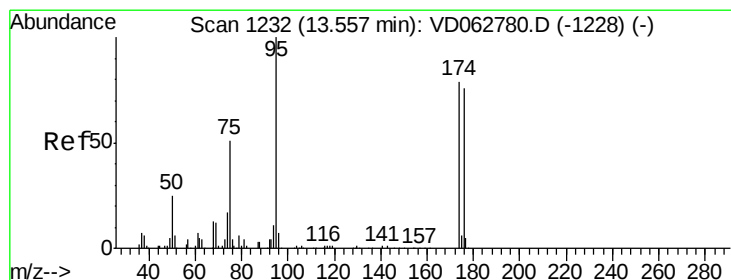
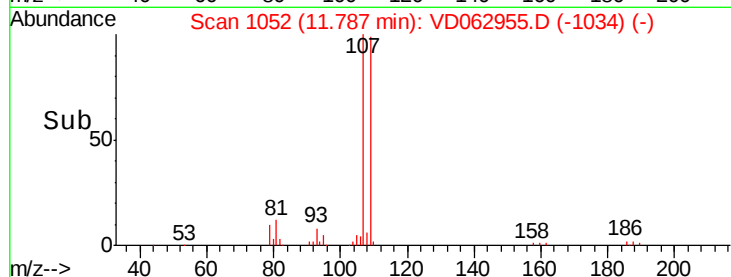
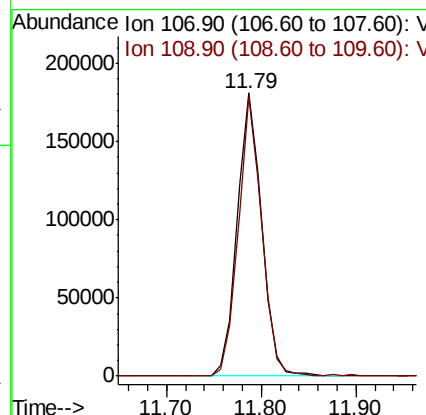
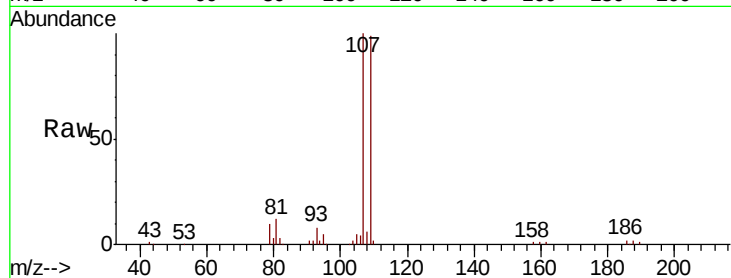




#61
 1,2-Dibromoethane
 Concen: 56.094 ug/l
 RT: 11.79 min Scan# 1052
 Delta R.T. -0.03 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

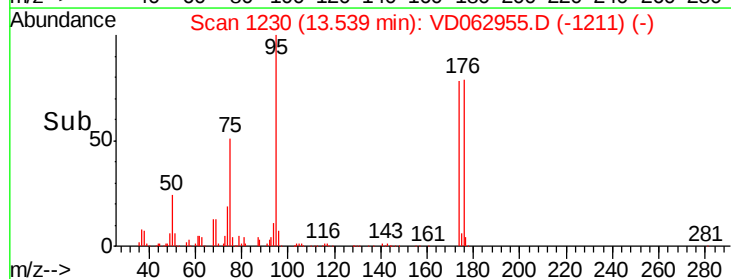
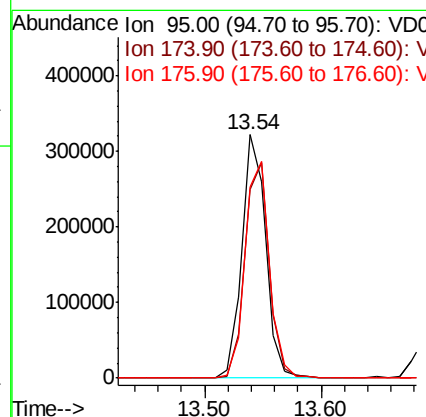
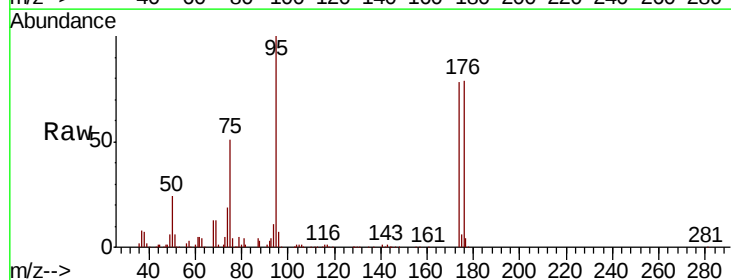
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

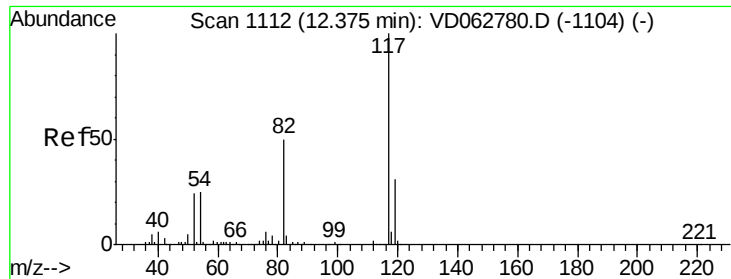
Tot Ion: 107 Resp: 323221
 Ion Ratio Lower Upper
 107 100
 109 99.0 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 49.170 ug/l
 RT: 13.54 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Tgt Ion: 95 Resp: 456160
 Ion Ratio Lower Upper
 95 100
 174 77.5 0.0 158.0
 176 78.7 0.0 151.6

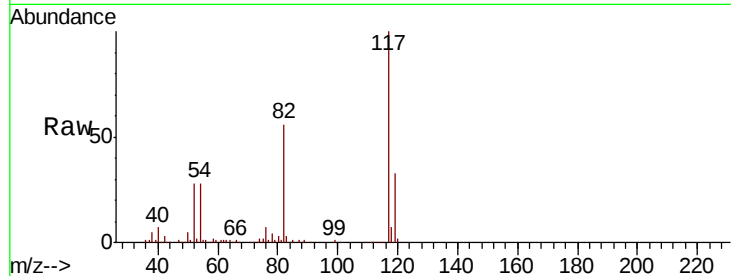




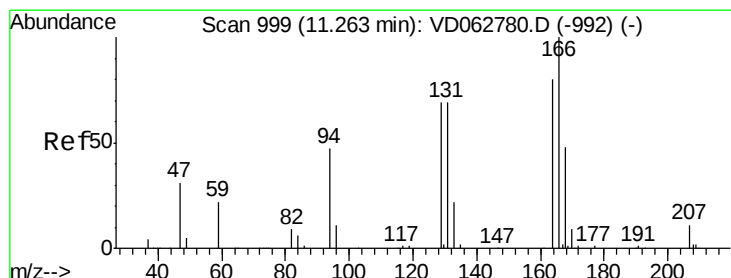
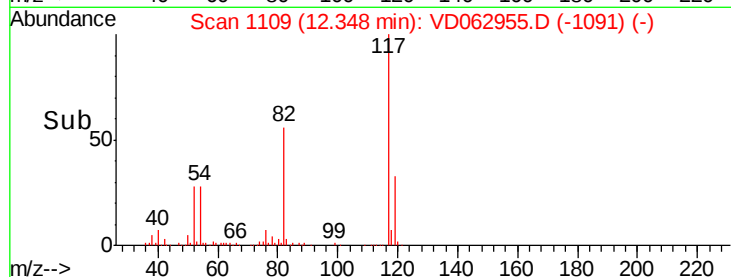
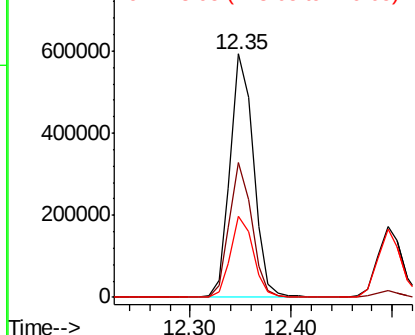
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1109
Delta R.T. -0.03 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 958086
Ion Ratio Lower Upper
117 100
82 55.6 40.4 60.6
119 33.2 25.2 37.8

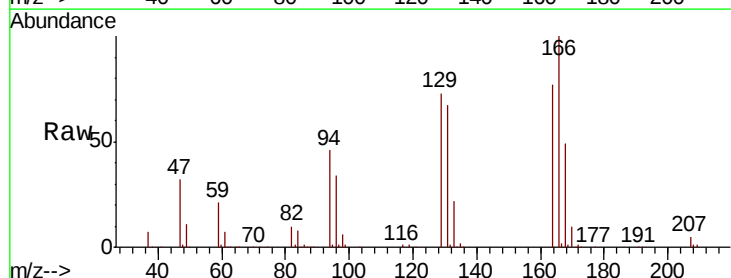


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

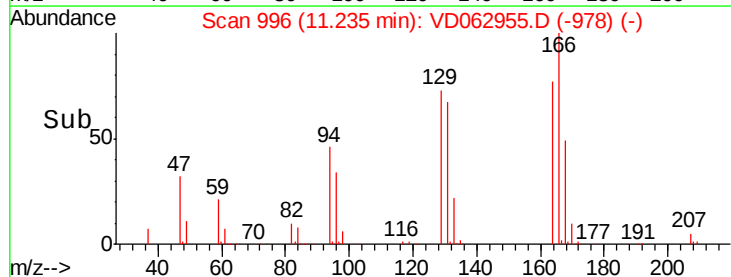
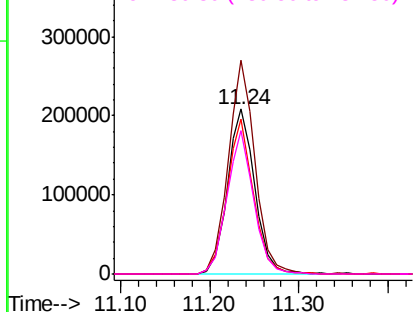


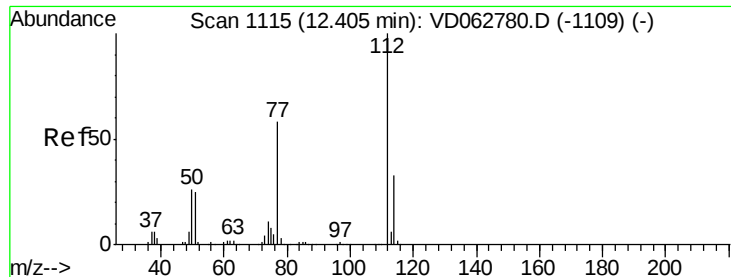
#64
Tetrachloroethene
Concen: 56.678 ug/l
RT: 11.24 min Scan# 996
Delta R.T. -0.03 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Tgt Ion:164 Resp: 446919
Ion Ratio Lower Upper
164 100
166 129.8 100.6 150.8
129 94.5 69.4 104.0
131 86.9 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: 56.205 ug/l

RT: 12.39 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

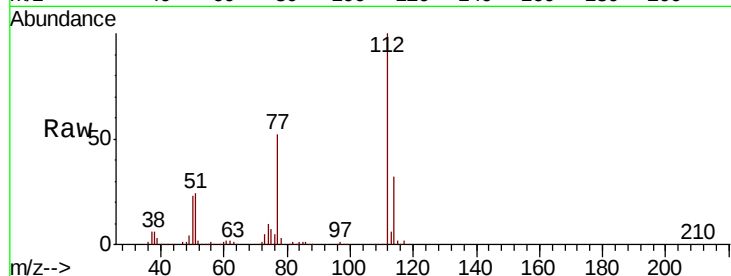
VSTDCCC050

Tot Ion:112 Resp: 999391

Ion Ratio Lower Upper

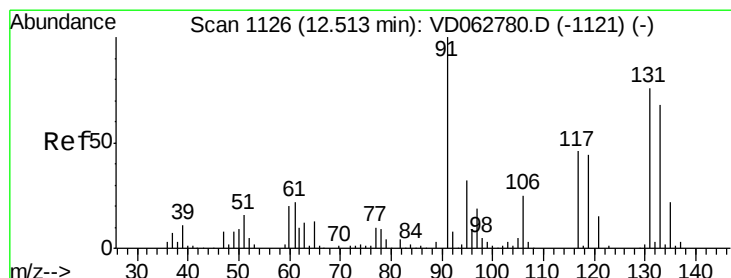
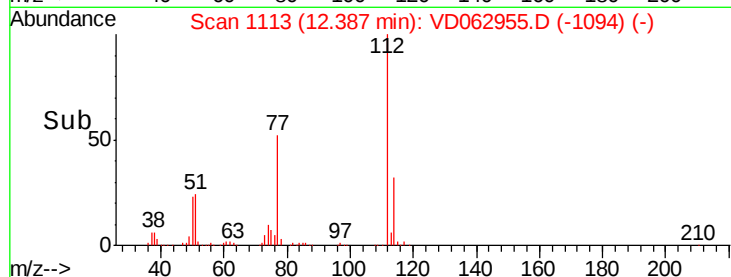
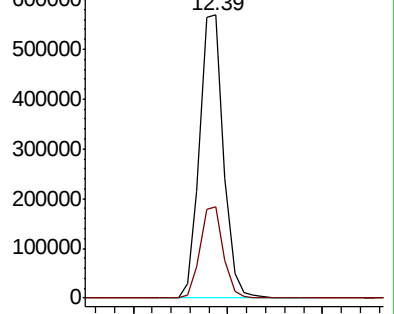
112 100

114 32.4 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: 53.844 ug/l

RT: 12.50 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

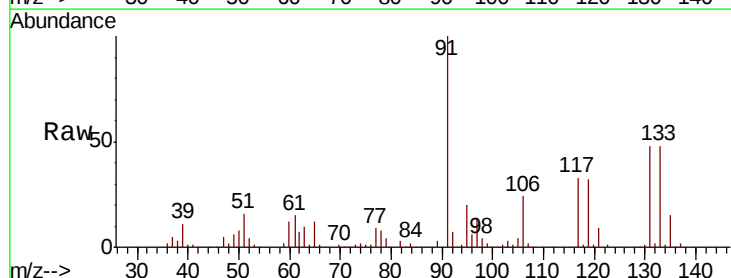
Tgt Ion:131 Resp: 447735

Ion Ratio Lower Upper

131 100

133 100.3 44.5 133.3

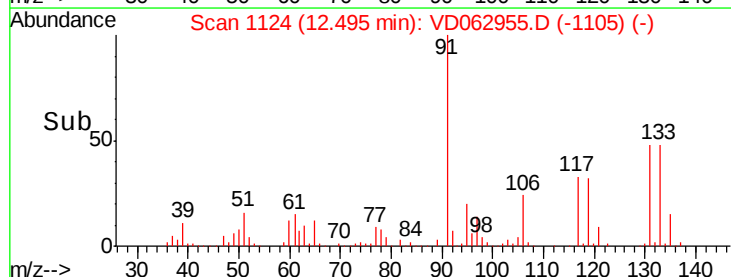
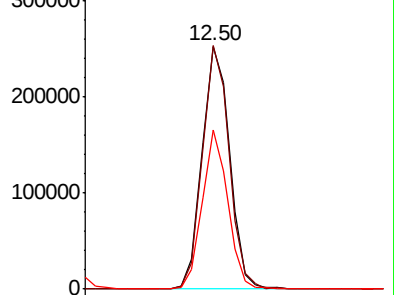
119 65.6 28.6 85.9

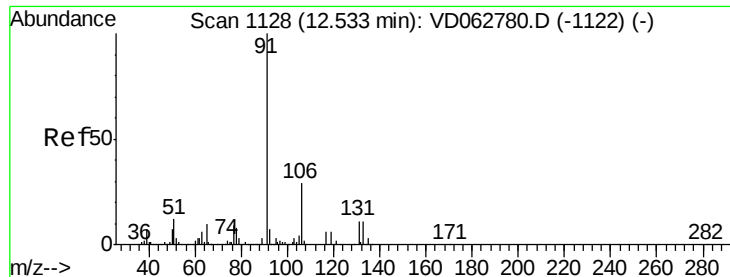


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

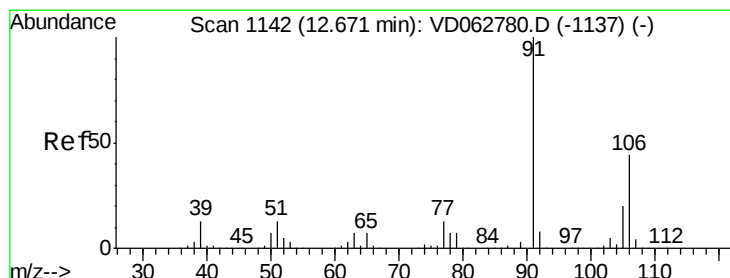
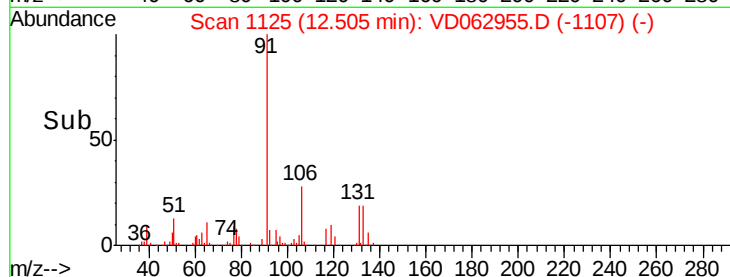
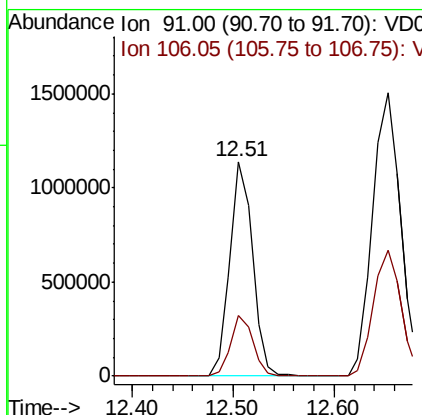
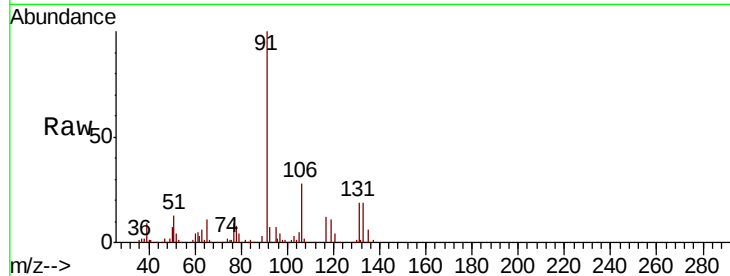




#67
Ethyl Benzene
Concen: 55.968 ug/l
RT: 12.51 min Scan# 1125
Delta R.T. -0.03 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

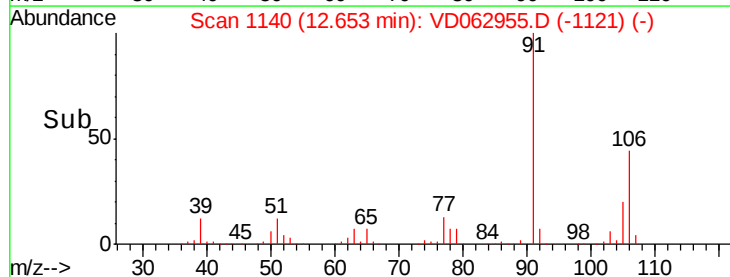
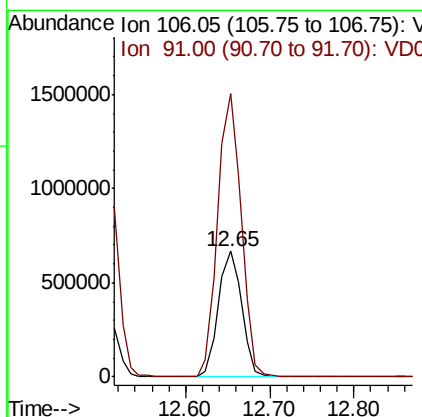
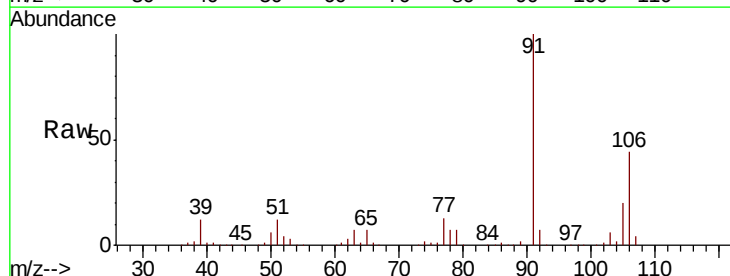
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

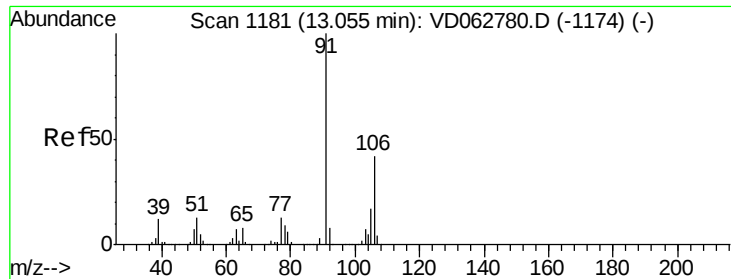
Tot Ion: 91 Resp: 1786707
Ion Ratio Lower Upper
91 100
106 28.3 23.1 34.7



#68
m/p-Xylenes
Concen: 115.842 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. -0.02 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Tgt Ion: 106 Resp: 1288026
Ion Ratio Lower Upper
106 100
91 225.3 183.0 274.6

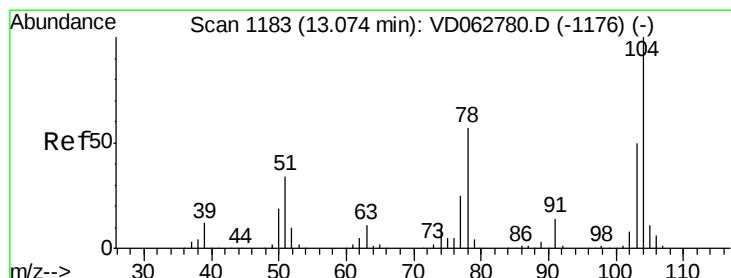
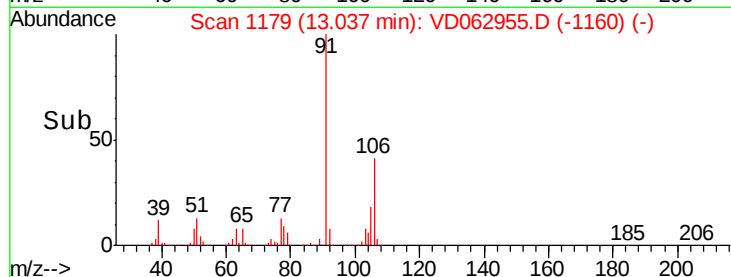
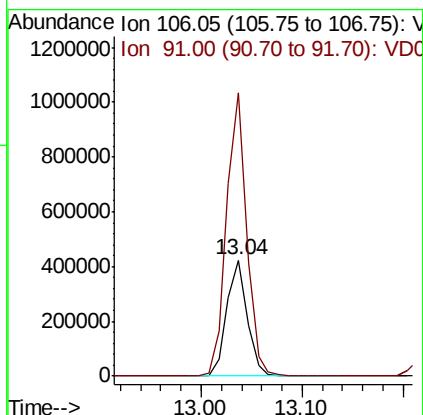
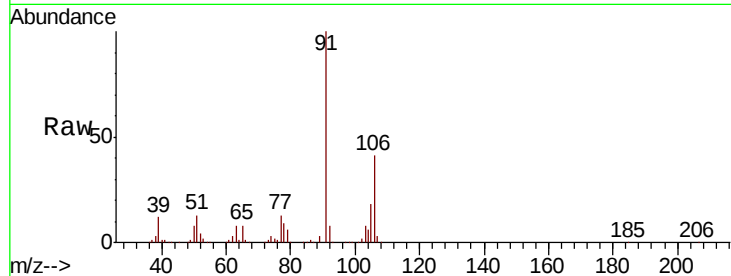




#69
o-Xylene
Concen: 58.578 ug/l
RT: 13.04 min Scan# 1179
Delta R.T. -0.02 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

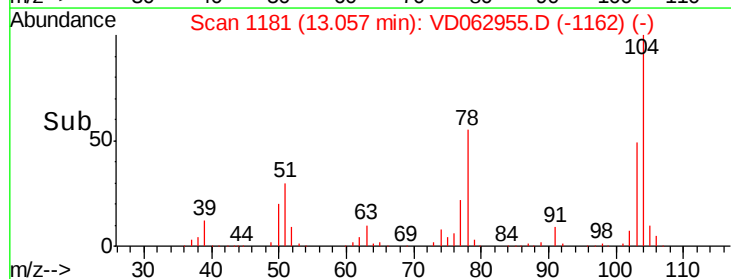
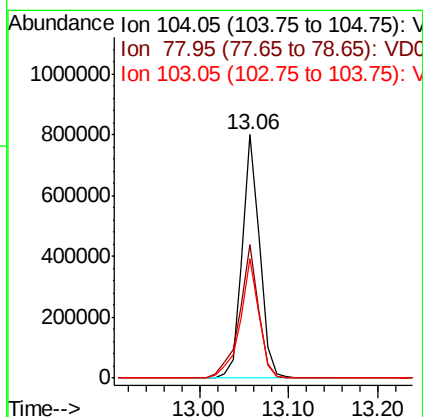
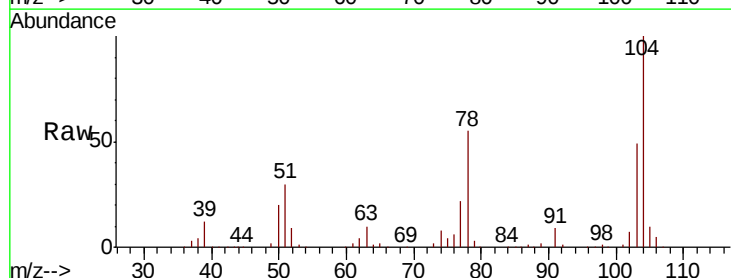
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

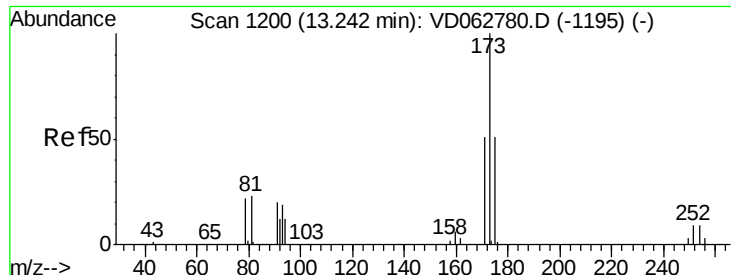
Tot Ion:106 Resp: 595404
Ion Ratio Lower Upper
106 100
91 243.8 117.9 353.6



#70
Styrene
Concen: 61.014 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.02 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Tgt Ion:104 Resp: 1089296
Ion Ratio Lower Upper
104 100
78 54.8 45.4 68.2
103 49.0 39.7 59.5





#71

Bromoform

Concen: 59.307 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

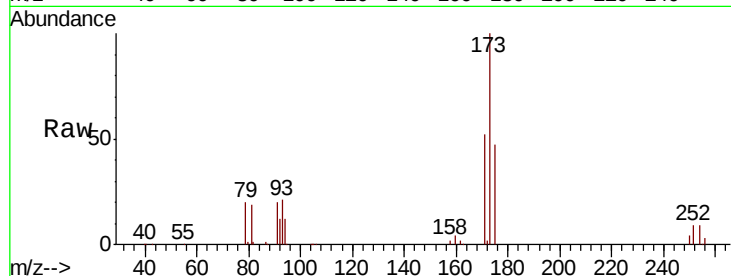
Tot Ion:173 Resp: 337890

Ion Ratio Lower Upper

173 100

175 47.4 25.3 75.9

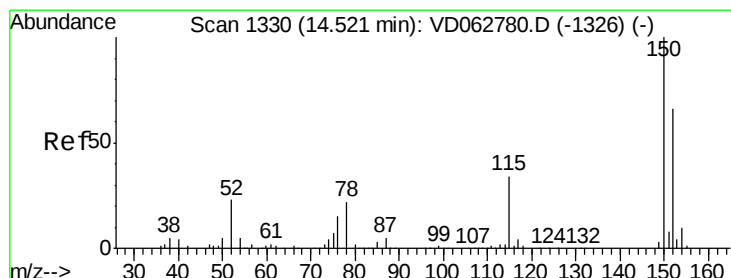
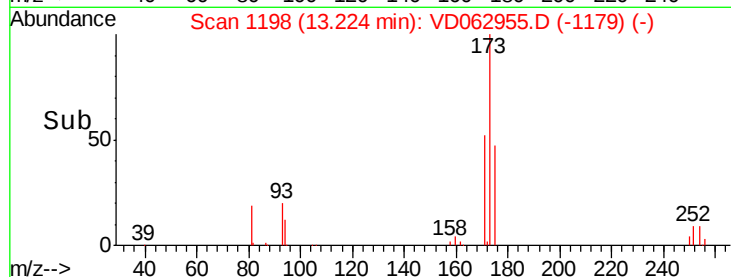
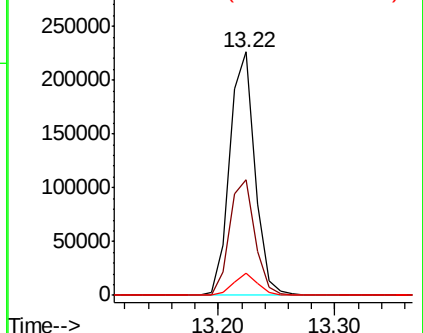
254 9.2 7.1 10.7



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. -0.02 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

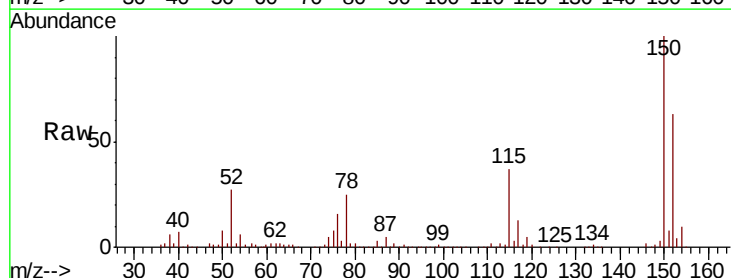
Tgt Ion:152 Resp: 526855

Ion Ratio Lower Upper

152 100

115 59.8 29.2 87.6

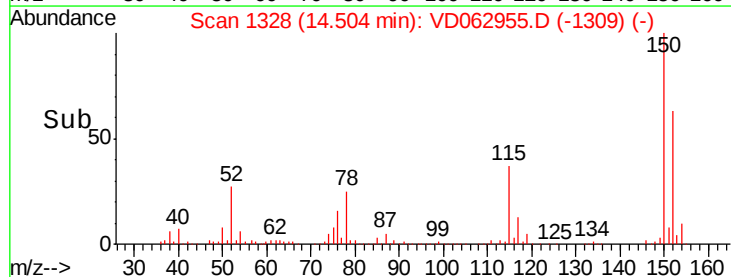
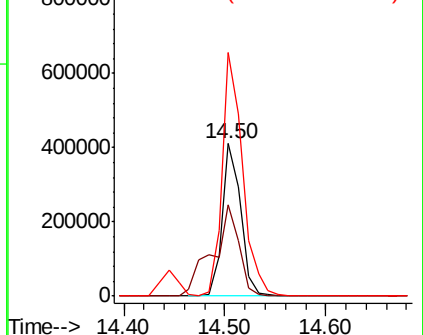
150 160.0 0.0 305.8

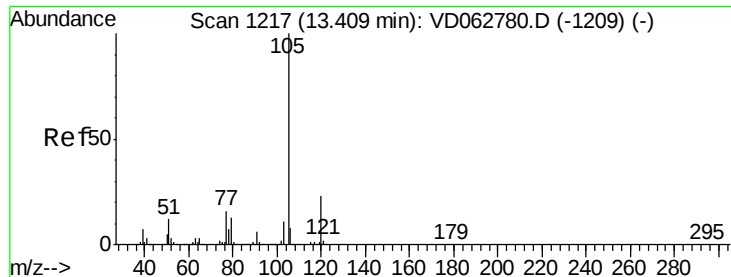


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.222 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

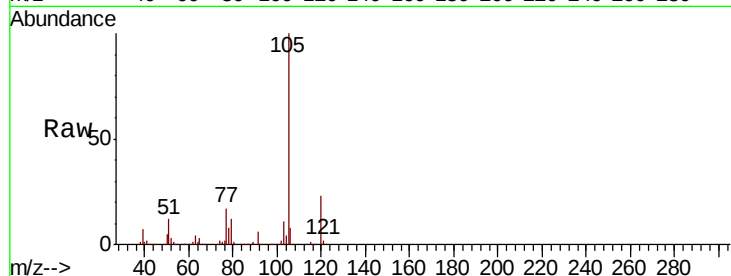
VSTDCCC050

Tot Ion:105 Resp: 1764107

Ion Ratio Lower Upper

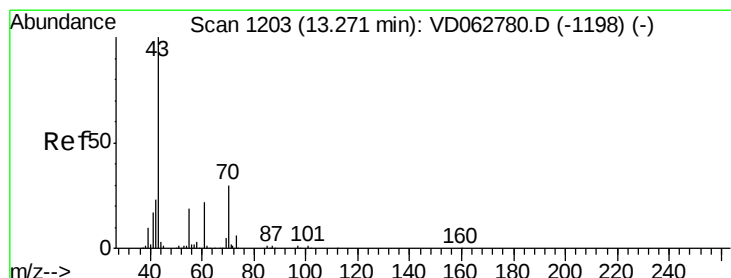
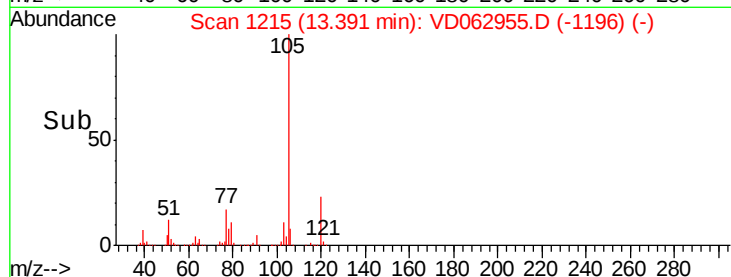
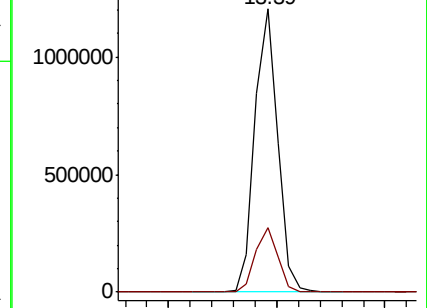
105 100

120 22.8 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: 61.188 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.02 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Tgt Ion: 43 Resp: 501965

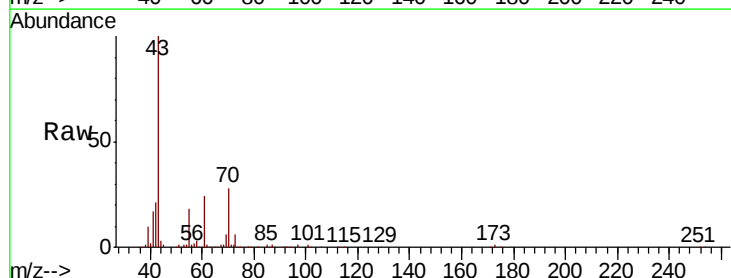
Ion Ratio Lower Upper

43 100

70 28.1 24.4 36.6

55 17.9 15.2 22.8

61 24.0 17.4 26.2

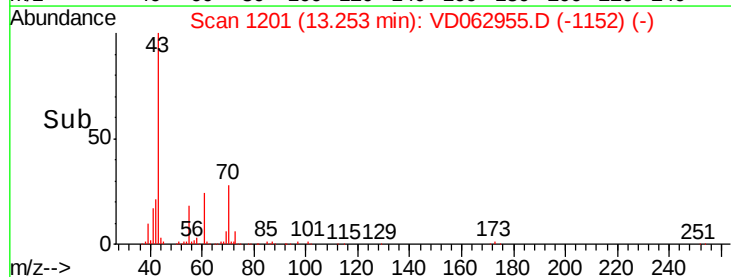
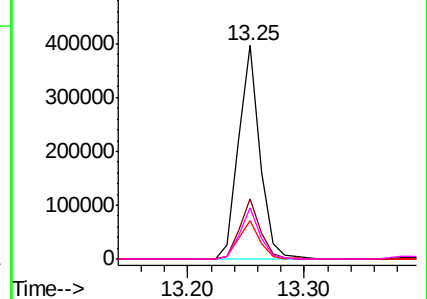


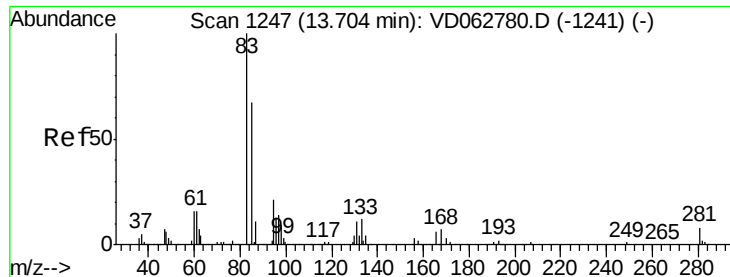
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 56.741 ug/l

RT: 13.69 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

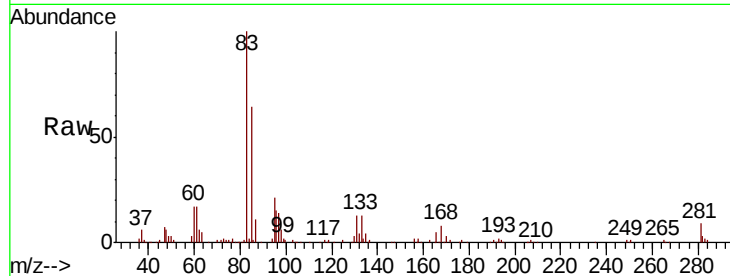
Tot Ion: 83 Resp: 312307

Ion Ratio Lower Upper

83 100

131 12.6 5.3 16.1

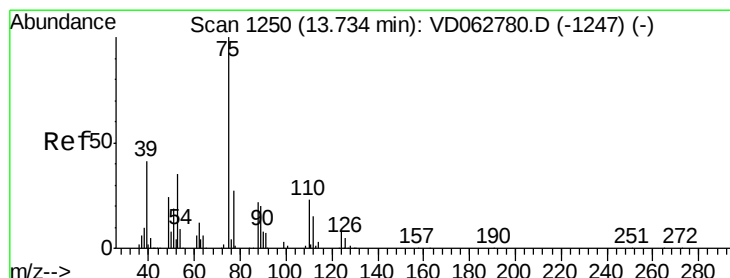
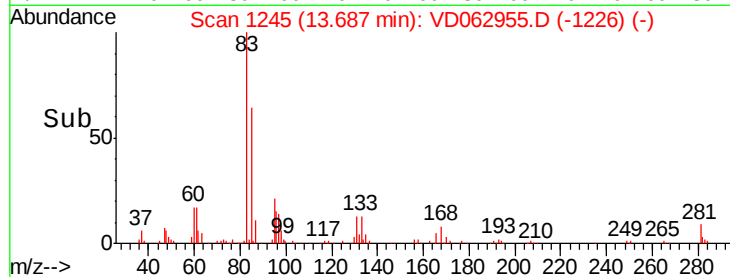
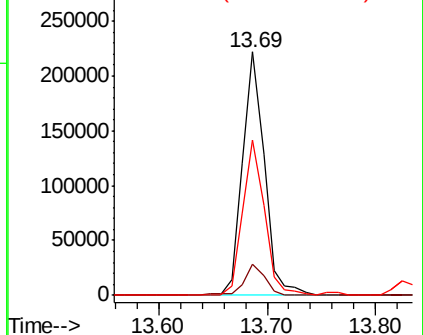
85 63.7 33.7 101.1



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: 55.712 ug/l

RT: 13.72 min Scan# 1248

Delta R.T. -0.02 min

Lab File: VD062955.D

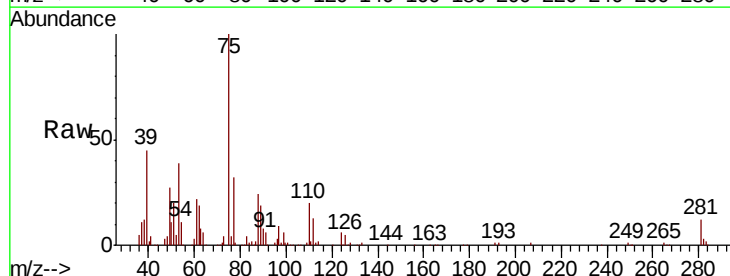
Acq: 28 Jun 2019 9:50

Tgt Ion: 75 Resp: 338852

Ion Ratio Lower Upper

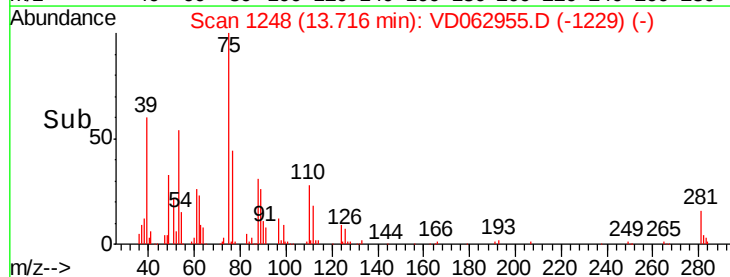
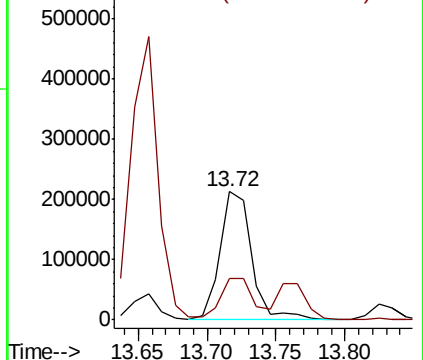
75 100

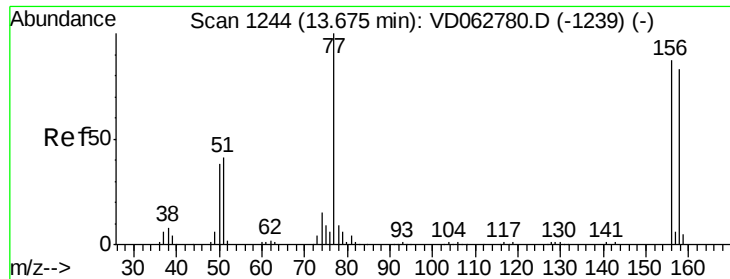
77 32.1 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 56.491 ug/l

RT: 13.66 min Scan# 1242

Delta R.T. -0.02 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

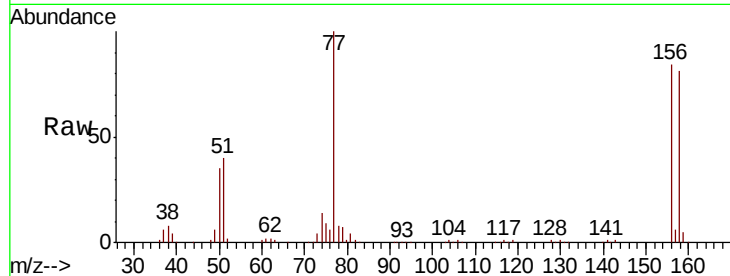
Tot Ion:156 Resp: 513279

Ion Ratio Lower Upper

156 100

77 118.6 57.7 173.1

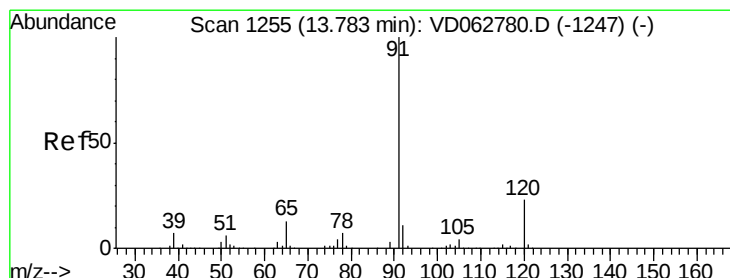
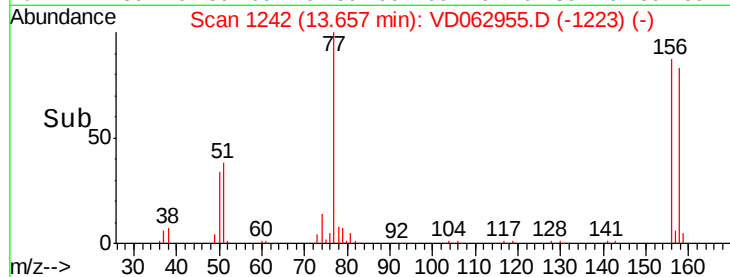
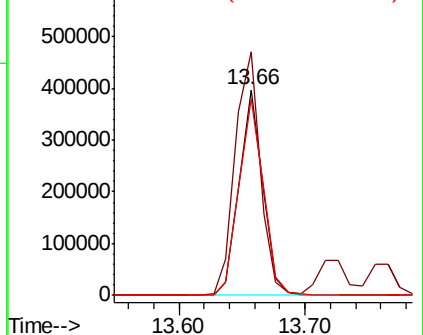
158 95.6 47.7 143.1



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: 52.158 ug/l

RT: 13.77 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD062955.D

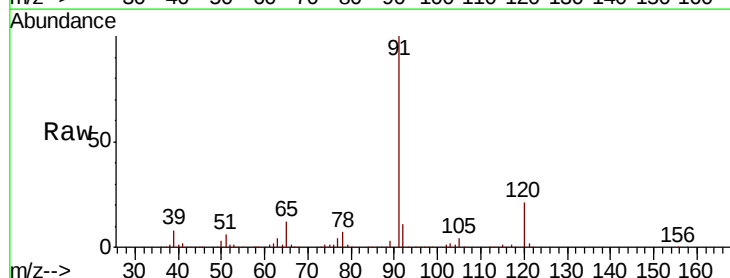
Acq: 28 Jun 2019 9:50

Tgt Ion: 91 Resp: 2050756

Ion Ratio Lower Upper

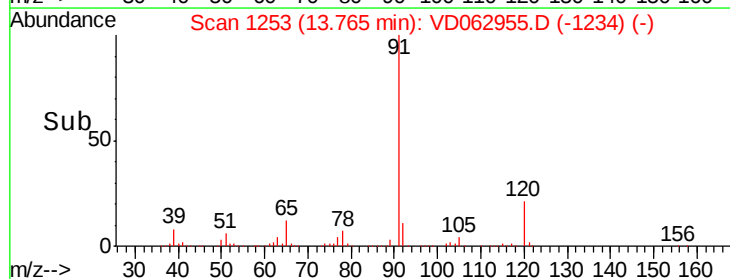
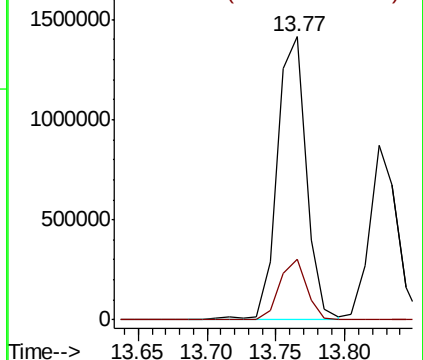
91 100

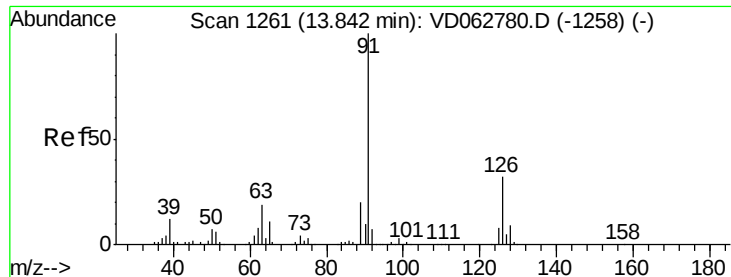
120 21.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

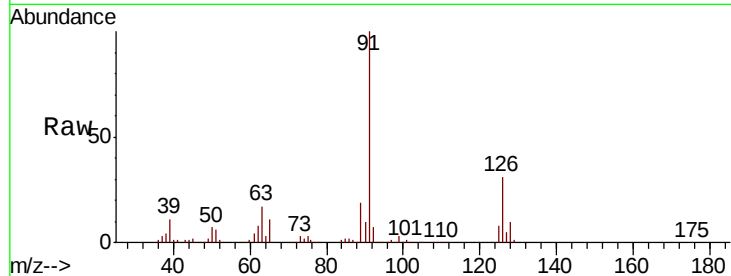




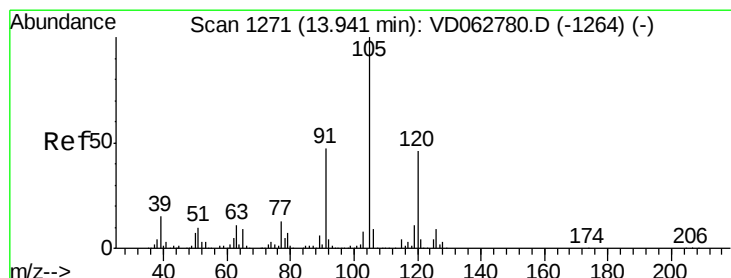
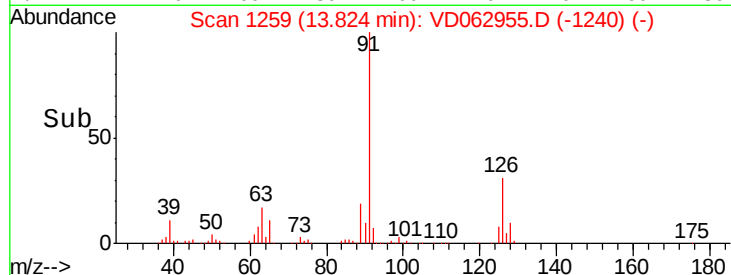
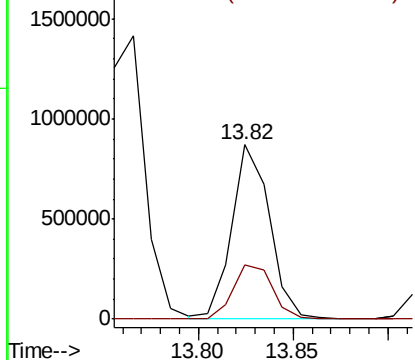
#79
 2-Chlorotoluene
 Concen: 53.284 ug/l
 RT: 13.82 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1197256
 Ion Ratio Lower Upper
 91 100
 126 31.0 15.7 47.1

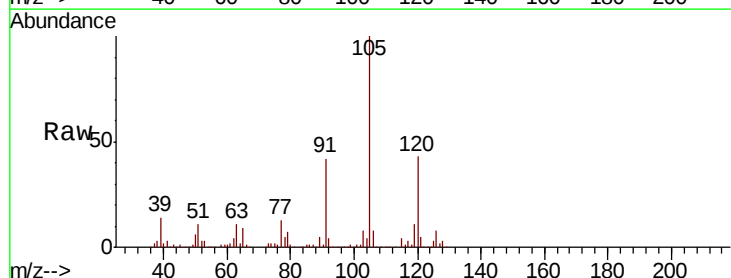


Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 125.95 (125.65 to 126.65): V

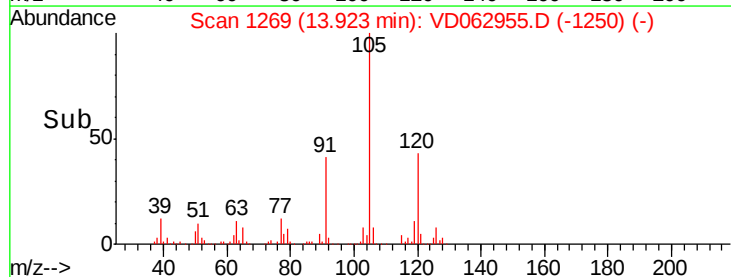
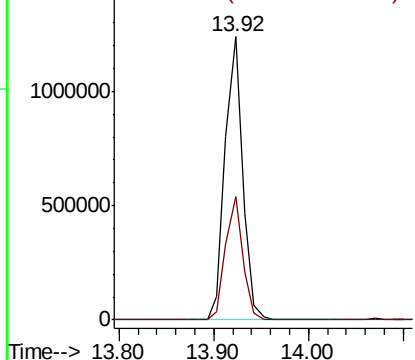


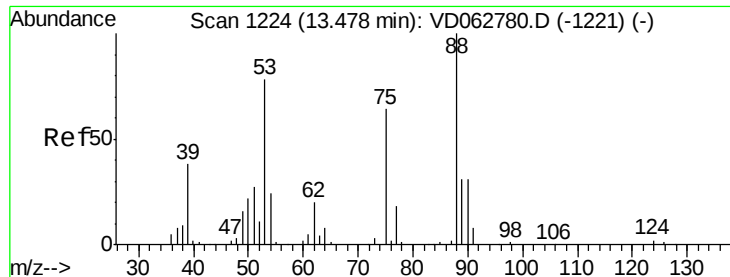
#80
 1,3,5-Trimethylbenzene
 Concen: 56.135 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Tgt Ion: 105 Resp: 1592810
 Ion Ratio Lower Upper
 105 100
 120 43.4 23.1 69.2



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





#81

trans-1,4-Dichloro-2-butene

Concen: 54.925 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. -0.02 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

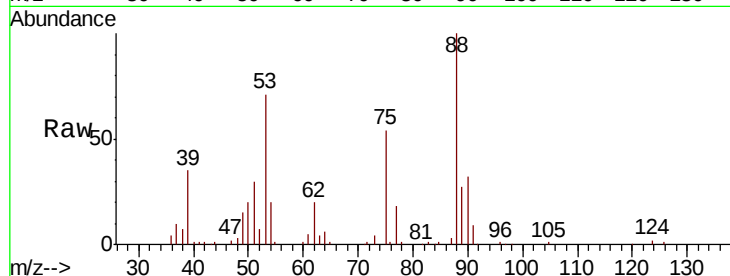
Tot Ion: 75 Resp: 87553

Ion Ratio Lower Upper

75 100

53 131.5 97.8 146.8

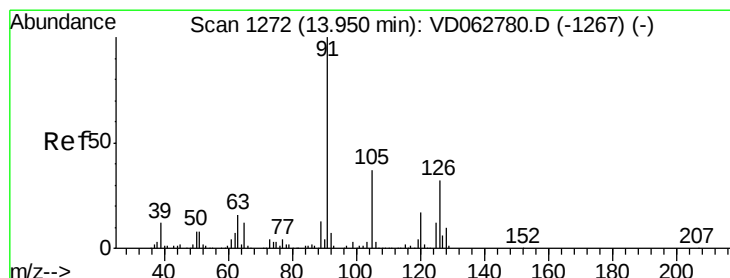
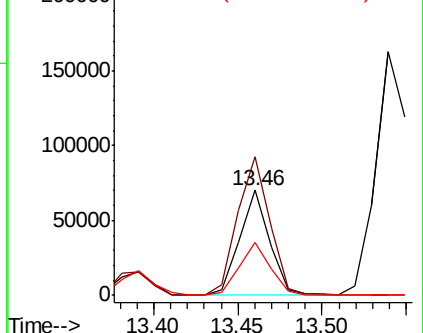
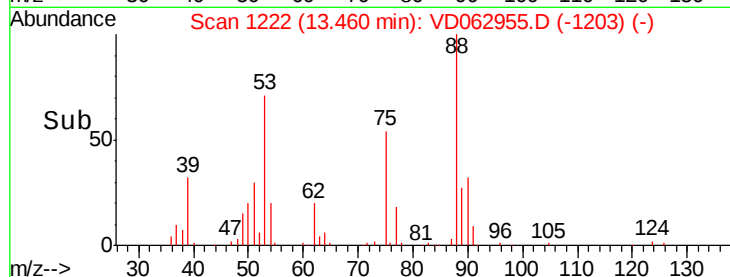
89 50.4 39.4 59.2



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: 54.654 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD062955.D

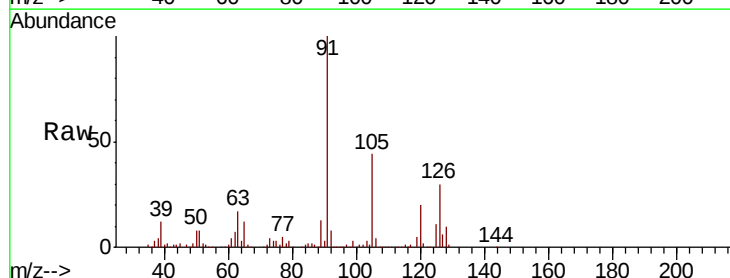
Acq: 28 Jun 2019 9:50

Tgt Ion: 91 Resp: 1478444

Ion Ratio Lower Upper

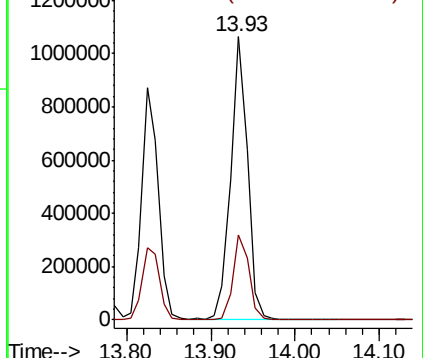
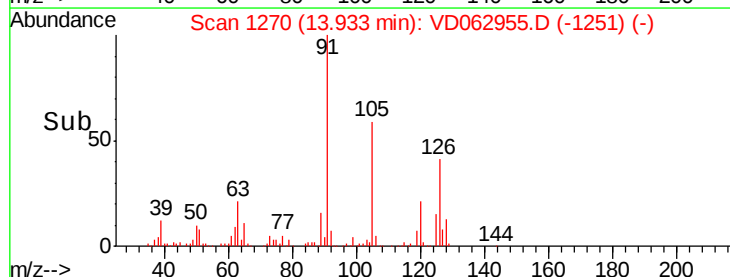
91 100

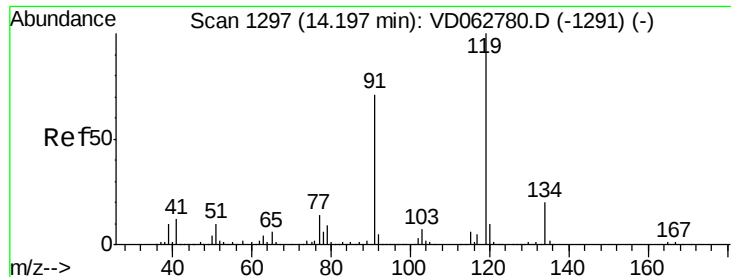
126 30.0 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

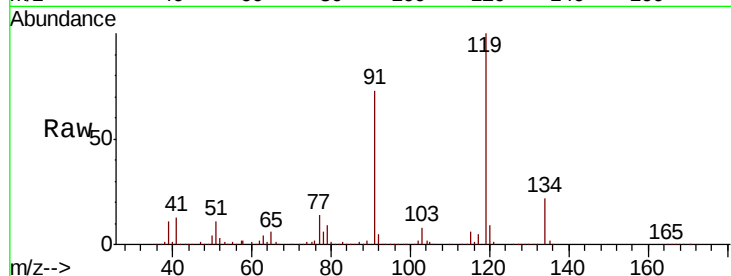




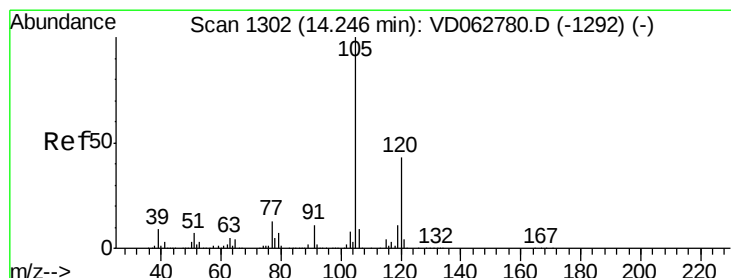
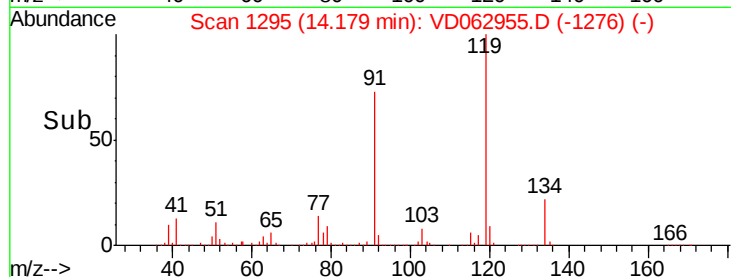
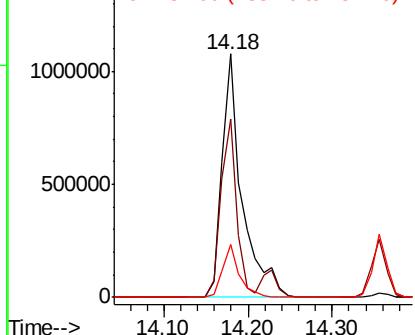
#83
tert-Butylbenzene
Concen: 56.317 ug/l
RT: 14.18 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1781181
Ion Ratio Lower Upper
119 100
91 73.2 35.5 106.5
134 21.5 10.2 30.6

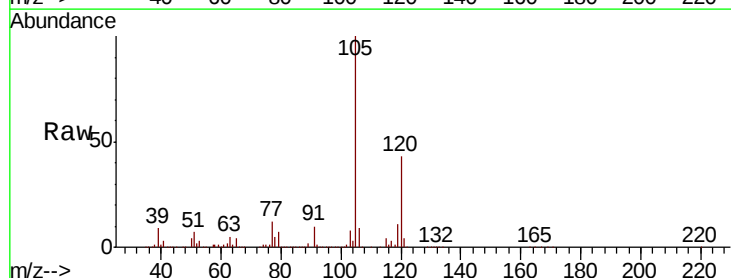


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

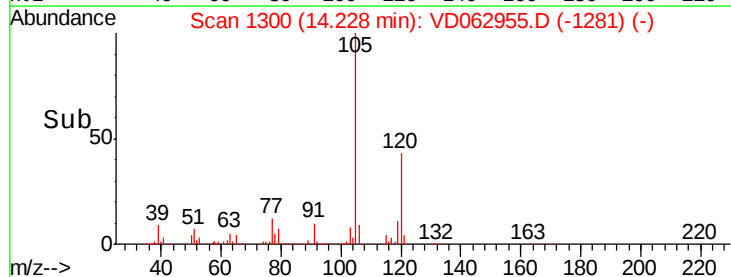
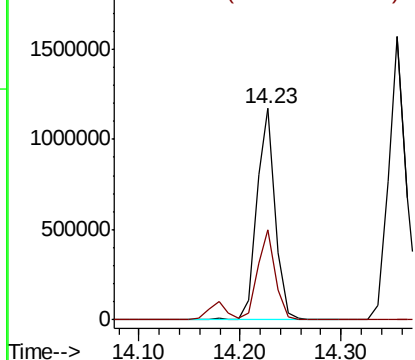


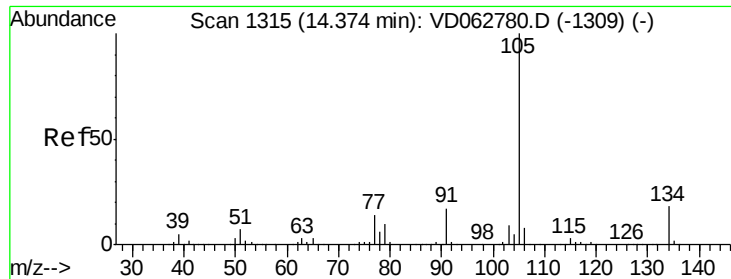
#84
1,2,4-Trimethylbenzene
Concen: 51.572 ug/l
RT: 14.23 min Scan# 1300
Delta R.T. -0.02 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Tgt Ion:105 Resp: 1499849
Ion Ratio Lower Upper
105 100
120 42.7 21.3 63.9



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





#85

sec-Butylbenzene

Concen: 55.081 ug/l

RT: 14.36 min Scan# 1313

Delta R.T. -0.02 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

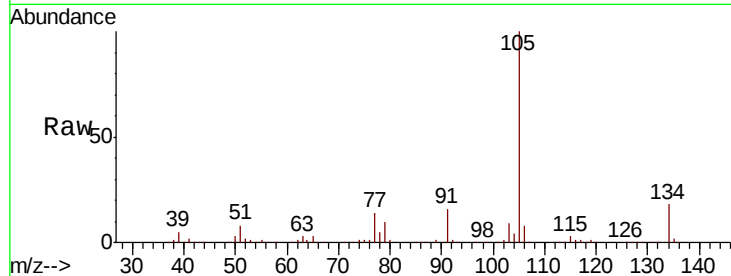
VSTDCCC050

Tot Ion:105 Resp: 1893427

Ion Ratio Lower Upper

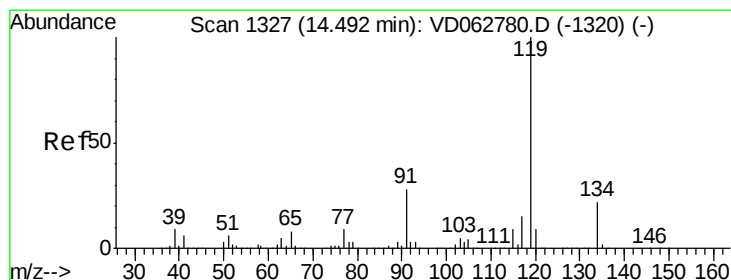
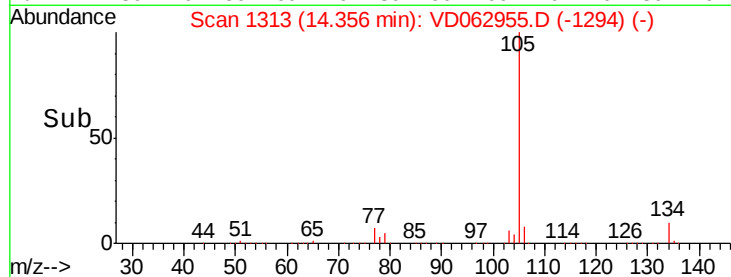
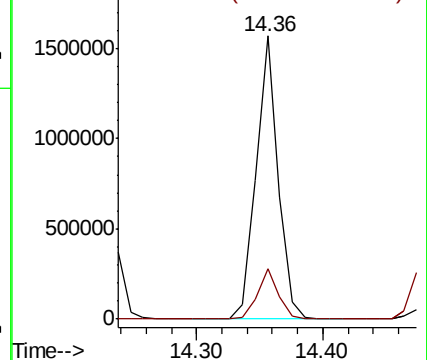
105 100

134 17.7 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: 56.774 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

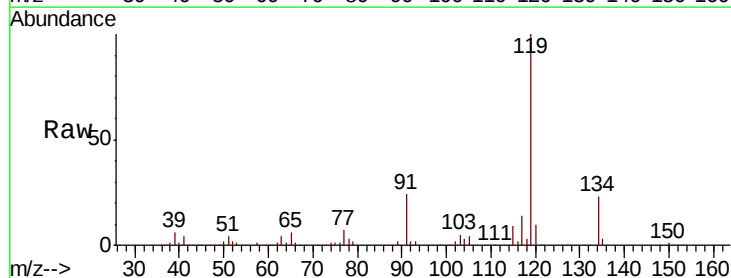
Tgt Ion:119 Resp: 1785434

Ion Ratio Lower Upper

119 100

134 22.5 11.1 33.1

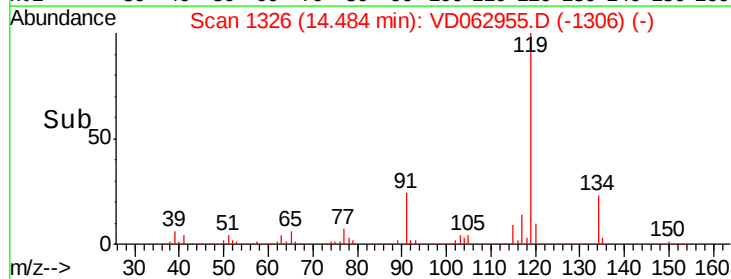
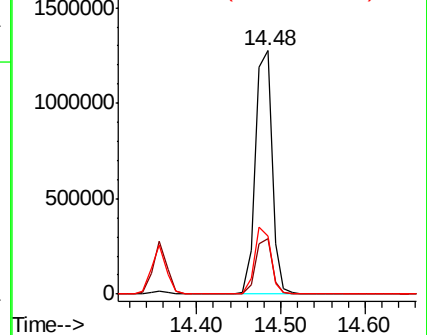
91 23.6 14.0 41.9

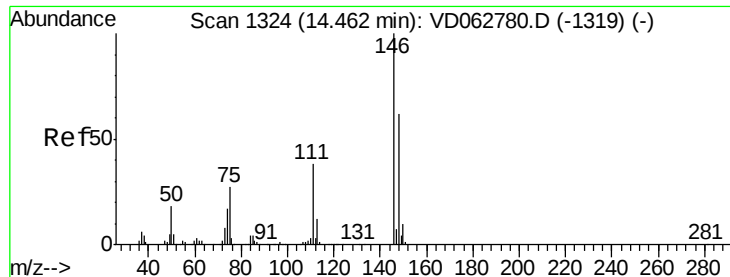


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

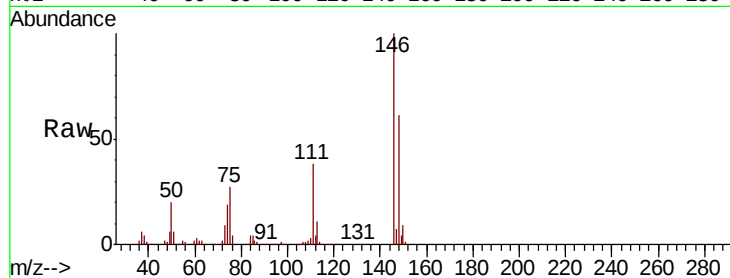




#87
 1,3-Dichlorobenzene
 Concen: 57.299 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.0	57.0
148	60.7	30.8	92.3

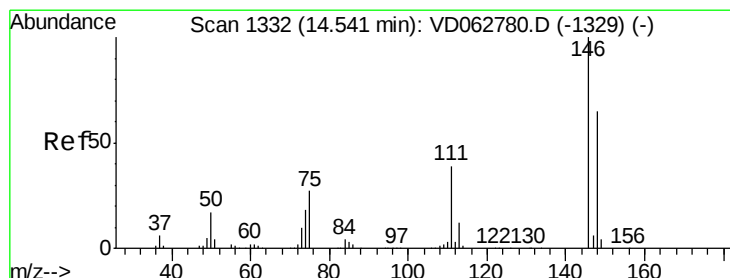
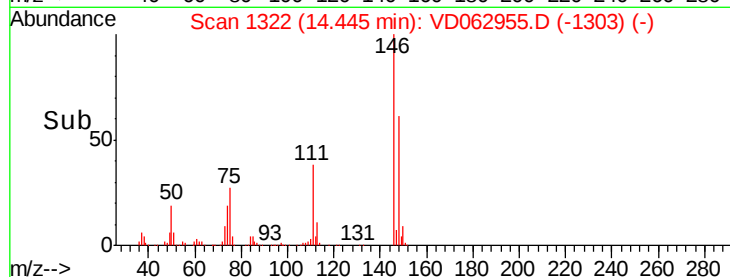
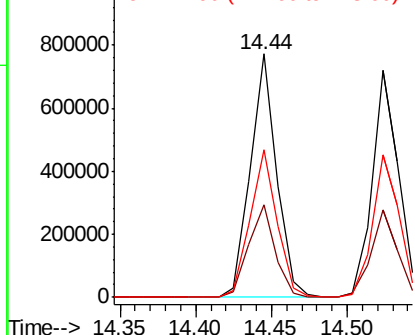


Abundance

Ion 145.95 (145.65 to 146.65): V

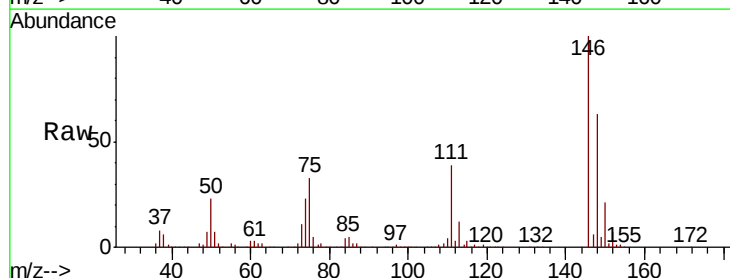
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 53.696 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.02 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	62.9	32.8	98.3

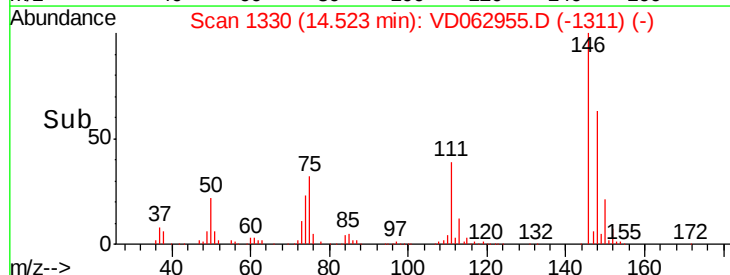
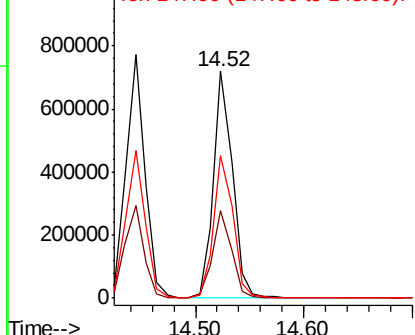


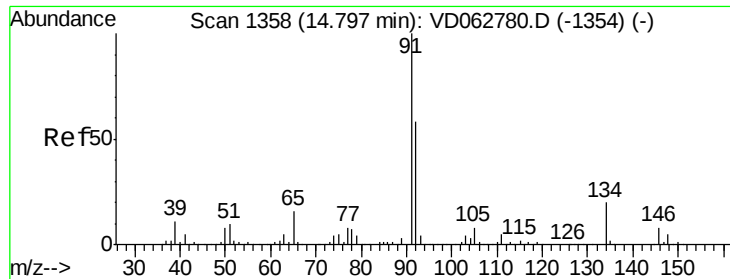
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 56.581 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD062955.D

Acq: 28 Jun 2019 9:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

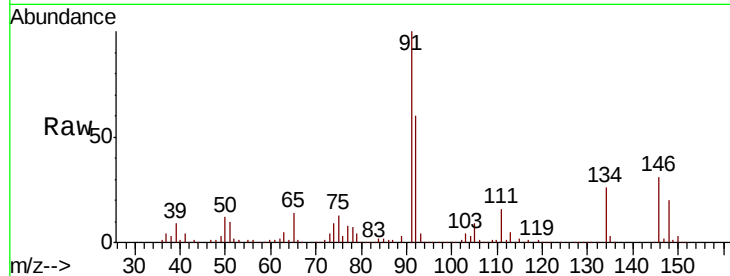
Tot Ion: 91 Resp: 1665415

Ion Ratio Lower Upper

91 100

92 60.2 28.9 86.7

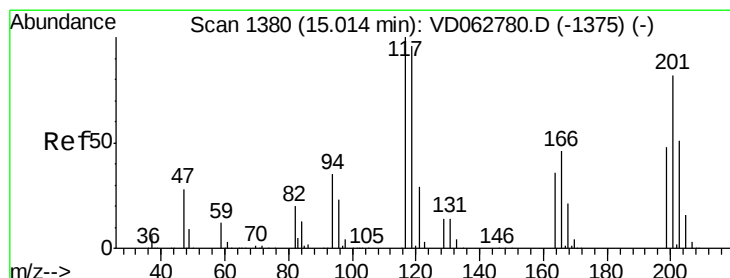
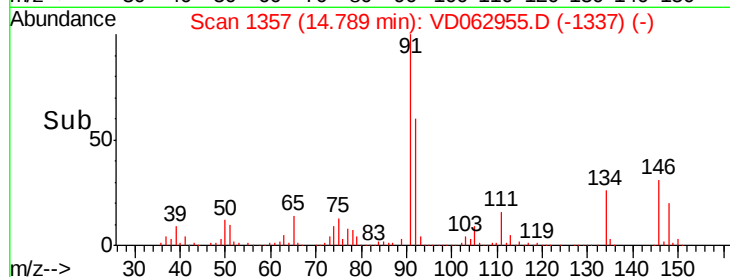
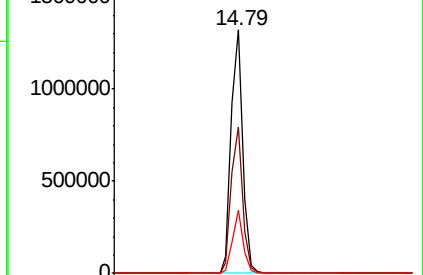
134 26.0 10.1 30.3



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: 55.930 ug/l

RT: 15.00 min Scan# 1378

Delta R.T. -0.02 min

Lab File: VD062955.D

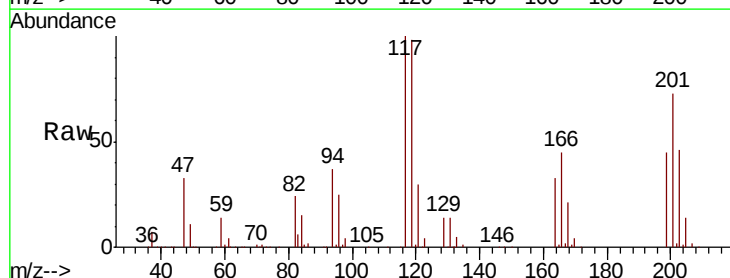
Acq: 28 Jun 2019 9:50

Tgt Ion: 117 Resp: 472914

Ion Ratio Lower Upper

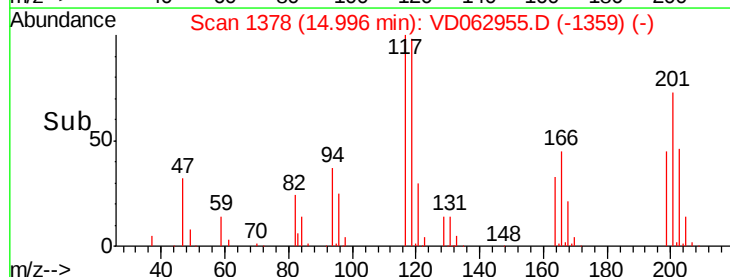
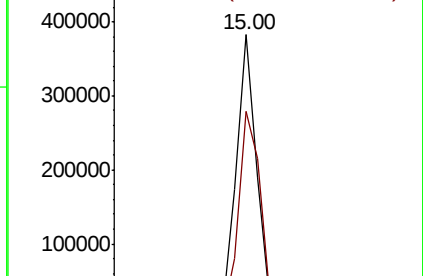
117 100

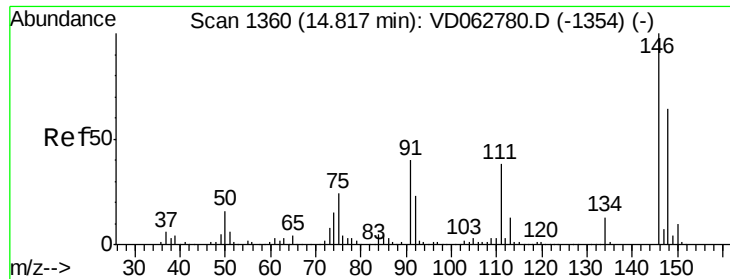
201 73.0 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

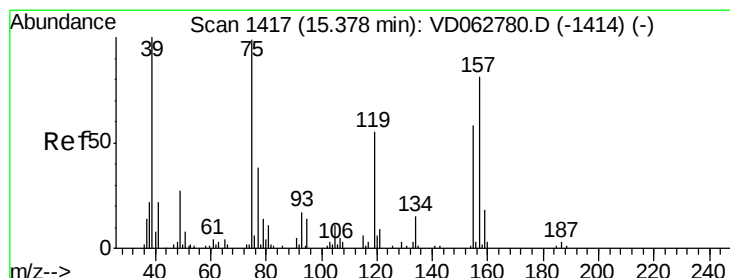
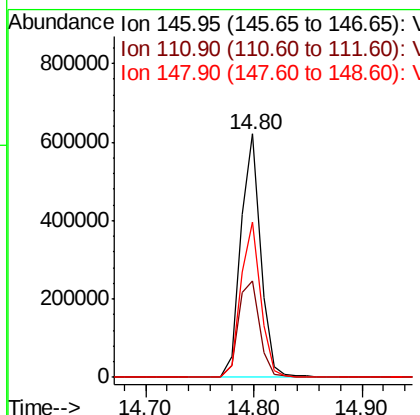
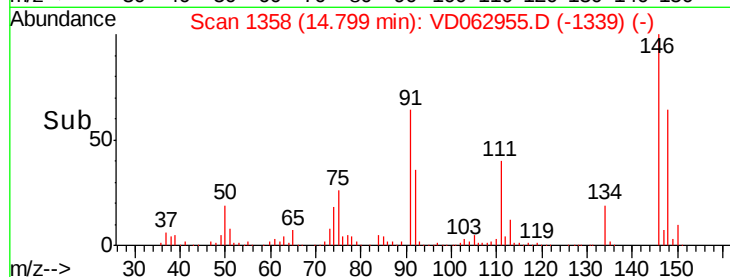
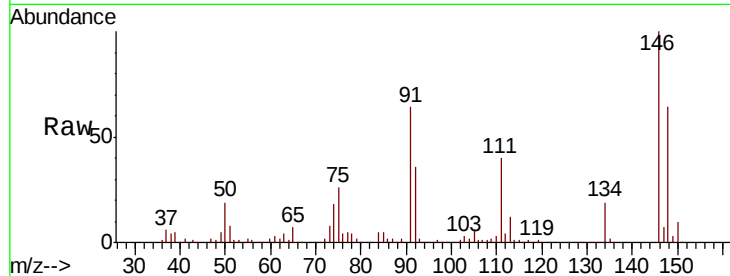




#91
 1,2-Dichlorobenzene
 Concen: 56.482 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

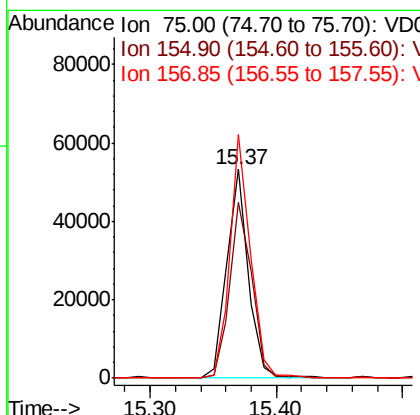
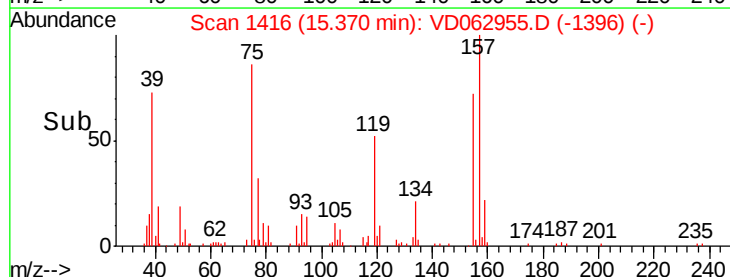
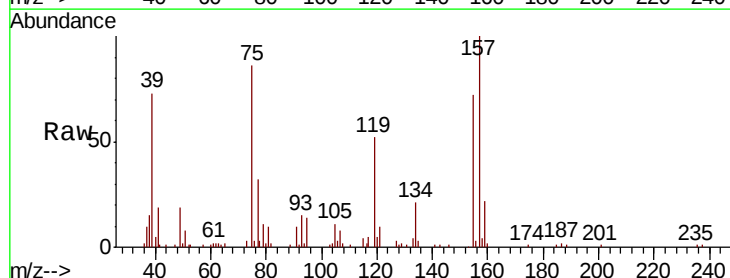
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

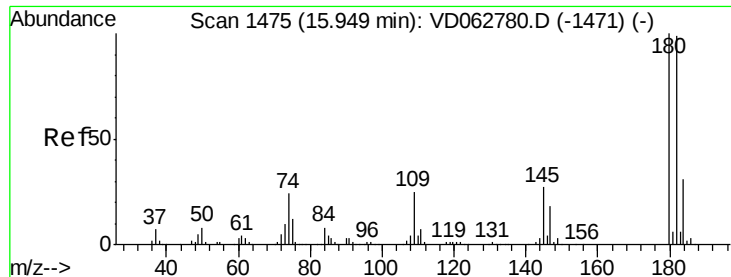
Tot Ion:146 Resp: 787093
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.1 57.1
 148 63.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.867 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Tgt Ion: 75 Resp: 62166
 Ion Ratio Lower Upper
 75 100
 155 84.2 29.3 87.8
 157 116.7 41.3 123.7

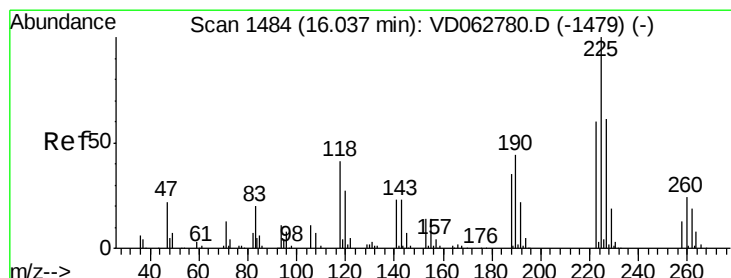
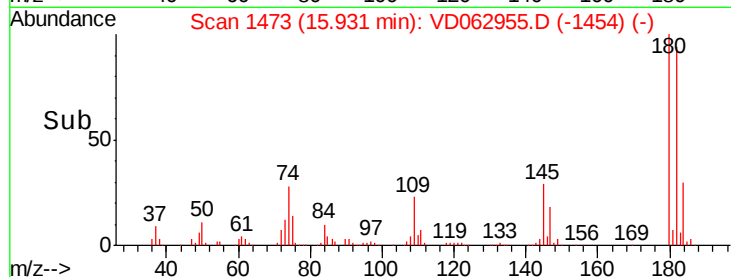
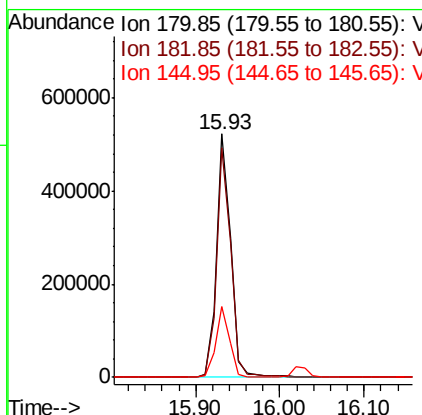
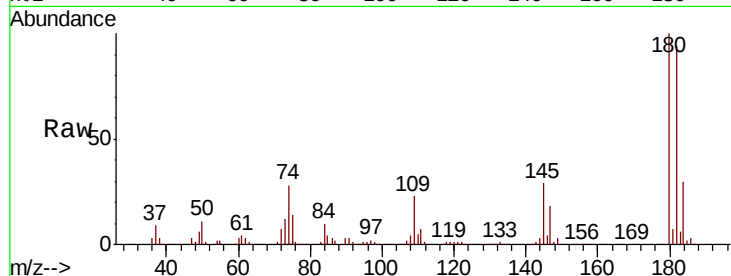




#93
 1,2,4-Trichlorobenzene
 Concen: 56.123 ug/l
 RT: 15.93 min Scan# 1473
 Delta R.T. -0.02 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

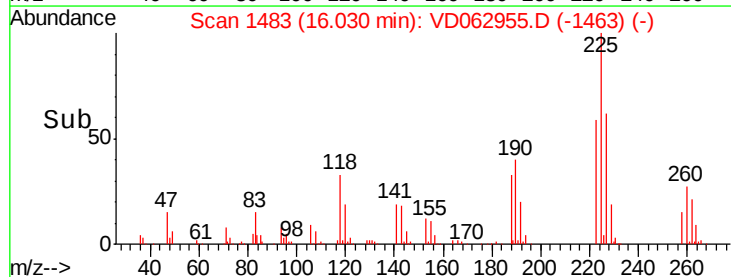
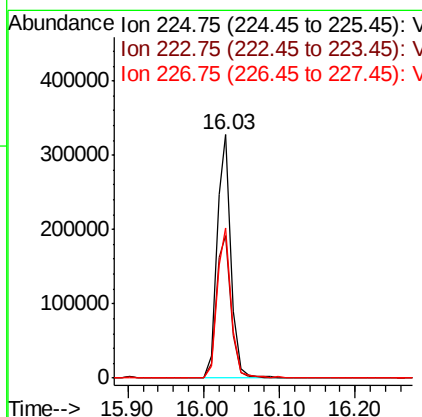
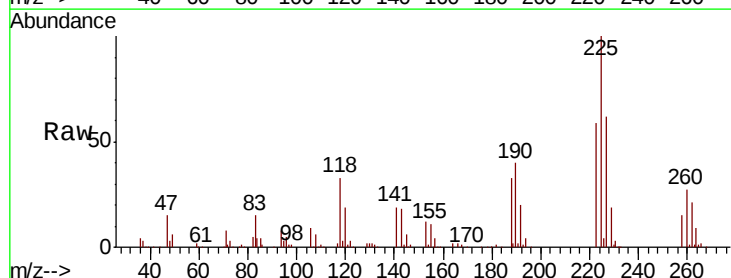
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

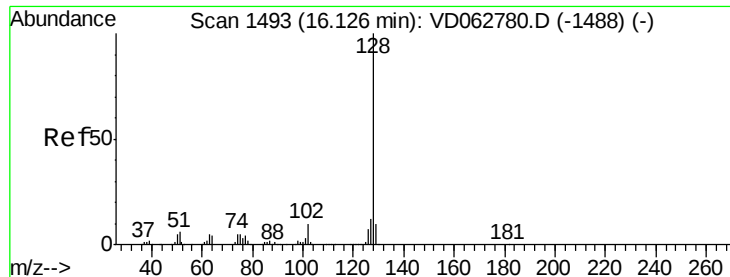
Tot Ion:180 Resp: 610933
 Ion Ratio Lower Upper
 180 100
 182 94.5 49.5 148.5
 145 29.1 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 51.571 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD062955.D
 Acq: 28 Jun 2019 9:50

Tgt Ion:225 Resp: 428875
 Ion Ratio Lower Upper
 225 100
 223 58.6 29.8 89.5
 227 61.9 30.6 91.6

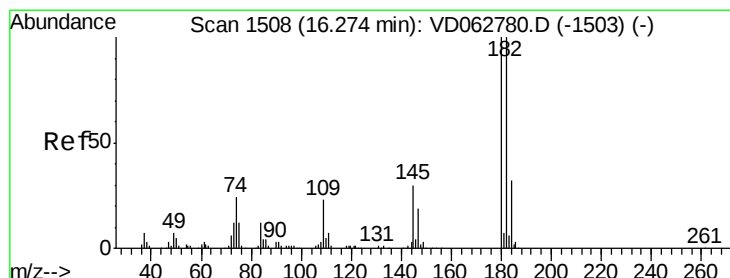
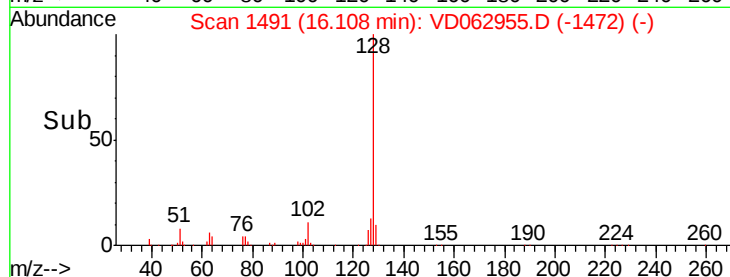
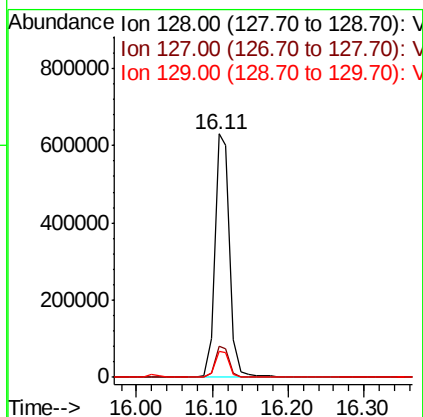
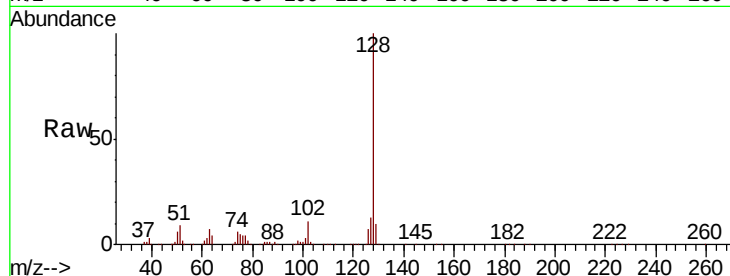




#95
Naphthalene
Concen: 57.287 ug/l
RT: 16.11 min Scan# 1491
Delta R.T. -0.02 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 874045
Ion Ratio Lower Upper
128 100
127 12.6 9.7 14.5
129 10.5 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 54.191 ug/l
RT: 16.26 min Scan# 1506
Delta R.T. -0.02 min
Lab File: VD062955.D
Acq: 28 Jun 2019 9:50

Tgt Ion:180 Resp: 453249
Ion Ratio Lower Upper
180 100
182 96.2 49.9 149.6
145 31.5 15.2 45.5

