

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062804.D
 Acq On : 20 Jun 2019 19:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 21 16:20:51 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	7.08	168	782319	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	1072883	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	903523	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.54	152	520840	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.49	65	483541	56.86	ug/l	0.03
Spiked Amount	50.000		Recovery	=	113.72%	
35) Dibromofluoromethane	6.96	113	488555	54.00	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.00%	
50) Toluene-d8	10.44	98	1051301	53.39	ug/l	0.03
Spiked Amount	50.000		Recovery	=	106.78%	
62) 4-Bromofluorobenzene	13.57	95	491992	54.95	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	391404	38.663	ug/l	98
3) Chloromethane	1.75	50	292512	38.420	ug/l	96
4) Vinyl Chloride	1.85	62	270411	35.822	ug/l	99
5) Bromomethane	2.16	94	158884	44.944	ug/l	92
6) Chloroethane	2.27	64	150447	44.021	ug/l	98
7) Trichlorofluoromethane	2.55	101	635193	41.578	ug/l	96
8) Diethyl Ether	2.88	74	76643	39.485	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.17	101	328491	39.690	ug/l	97
10) Methyl Iodide	3.33	142	434606	39.803	ug/l	98
11) Tert butyl alcohol	4.10	59	73480	189.725	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	258063	41.565	ug/l	87
13) Acrolein	3.05	56	87974	222.502	ug/l	84
14) Allyl chloride	3.64	41	373240	40.684	ug/l	92
15) Acrylonitrile	4.23	53	184872	203.146	ug/l	95
16) Acetone	3.24	43	343966	198.007	ug/l	96
17) Carbon Disulfide	3.39	76	786512	39.637	ug/l	96
18) Methyl Acetate	3.67	43	111560	43.458	ug/l	99
19) Methyl tert-butyl Ether	4.27	73	586055	43.603	ug/l	98
20) Methylene Chloride	3.84	84	265301	40.908	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	285685	43.214	ug/l	97
22) Diisopropyl ether	5.16	45	788519	42.264	ug/l	97
23) Vinyl Acetate	5.10	43	2438986	208.917	ug/l	100
24) 1,1-Dichloroethane	5.02	63	508239	41.840	ug/l	98
25) 2-Butanone	6.11	43	336299	211.449	ug/l	93
26) 2,2-Dichloropropane	6.06	77	532459	41.355	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	290001	41.482	ug/l	91
28) Bromochloromethane	6.47	49	205083	47.937	ug/l	91
29) Tetrahydrofuran	6.50	42	157210	208.916	ug/l	98
30) Chloroform	6.69	83	652688	44.182	ug/l	99
31) Cyclohexane	6.99	56	309711	38.784	ug/l	90
32) 1,1,1-Trichloroethane	6.90	97	647281	42.067	ug/l	97
36) 1,1-Dichloropropene	7.17	75	411031	40.470	ug/l	93
37) Ethyl Acetate	6.22	43	171823	40.055	ug/l	99
38) Carbon Tetrachloride	7.14	117	721222	47.217	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.90	83	363404	40.649	ug/l	98
40) Benzene	7.49	78	879870	43.159	ug/l	97
41) Methacrylonitrile	6.49	41	220354	41.141	ug/l #	90
42) 1,2-Dichloroethane	7.61	62	486652	43.758	ug/l	100
43) Isopropyl Acetate	9.27	43	216291	40.621	ug/l #	86
44) Trichloroethene	8.57	130	334241	41.819	ug/l	99
45) 1,2-Dichloropropane	8.97	63	208650	41.159	ug/l	98
46) Dibromomethane	9.09	93	188987	43.399	ug/l	97
47) Bromodichloromethane	9.40	83	514236	45.470	ug/l	96
48) Methyl methacrylate	9.15	41	152821	40.388	ug/l	89
49) 1,4-Dioxane	9.11	88	25598	813.143	ug/l #	76
51) 4-Methyl-2-Pentanone	10.32	43	779393	206.454	ug/l	98
52) Toluene	10.54	92	604914	44.141	ug/l	98
53) t-1,3-Dichloropropene	10.94	75	425668	45.985	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	428007	42.540	ug/l	92
55) 1,1,2-Trichloroethane	11.22	97	203711	43.267	ug/l	92
56) Ethyl methacrylate	11.07	69	214593	42.649	ug/l	99
57) 1,3-Dichloropropane	11.43	76	299968	41.610	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.89	63	681052	263.651	ug/l	95
59) 2-Hexanone	11.56	43	608871	226.463	ug/l	100
60) Dibromochloromethane	11.71	129	393249	44.842	ug/l	96
61) 1,2-Dibromoethane	11.83	107	254768	45.816	ug/l	98
64) Tetrachloroethene	11.28	164	338323	45.497	ug/l	97
65) Chlorobenzene	12.42	112	693340	41.348	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.53	131	327546	41.769	ug/l	90
67) Ethyl Benzene	12.54	91	1219216	40.498	ug/l	95
68) m/p-Xylenes	12.69	106	925152	88.231	ug/l	99
69) o-Xylene	13.07	106	421549	43.978	ug/l	100
70) Styrene	13.09	104	764235	45.392	ug/l	95
71) Bromoform	13.25	173	246486	45.877	ug/l	94
73) Isopropylbenzene	13.42	105	1275851	38.205	ug/l	99
74) N-amyl acetate	13.28	43	329008	40.568	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	215294	39.567	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	242227	40.286	ug/l	93
77) Bromobenzene	13.68	156	367371	40.899	ug/l	82
78) n-propylbenzene	13.79	91	1478380	38.035	ug/l	96
79) 2-Chlorotoluene	13.86	91	942543	42.432	ug/l	93
80) 1,3,5-Trimethylbenzene	13.95	105	1149654	40.985	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	61234	38.858	ug/l	94
82) 4-Chlorotoluene	13.97	91	1012367	37.856	ug/l	97
83) tert-Butylbenzene	14.20	119	1292435	41.336	ug/l	94
84) 1,2,4-Trimethylbenzene	14.25	105	1149215	39.972	ug/l	99
85) sec-Butylbenzene	14.38	105	1379564	40.596	ug/l	96
86) p-Isopropyltoluene	14.51	119	1232569	39.647	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	651873	40.485	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	657587	40.661	ug/l	97
89) n-Butylbenzene	14.81	91	1154436	39.674	ug/l	98
90) Hexachloroethane	15.02	117	335614	40.151	ug/l	85
91) 1,2-Dichlorobenzene	14.82	146	575777	41.795	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	41791	39.351	ug/l #	62

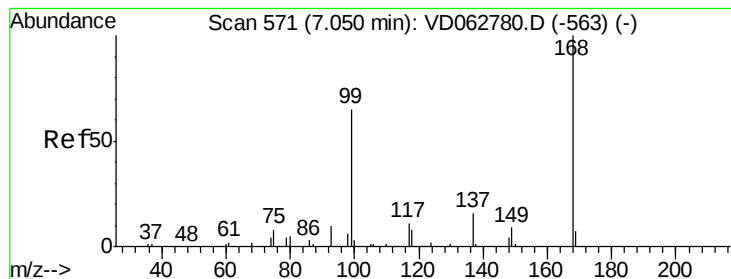
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	429206	39.884	ug/l	97
94) Hexachlorobutadiene	16.05	225	338195	41.137	ug/l	96
95) Naphthalene	16.13	128	616312	40.861	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	355312	42.972	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

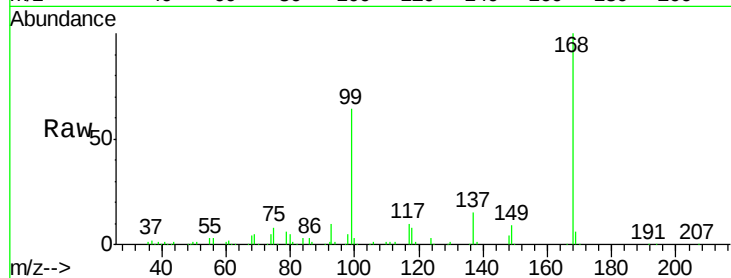
VSTDCCC050EC

Tot Ion:168 Resp: 782319

Ion Ratio Lower Upper

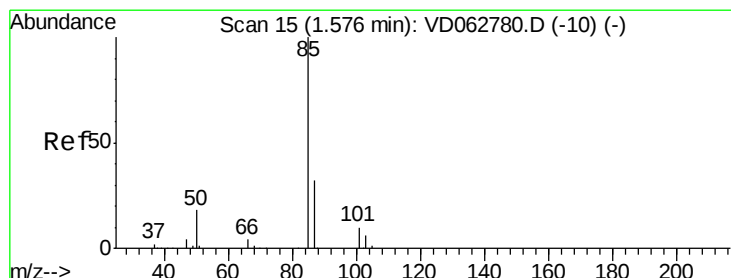
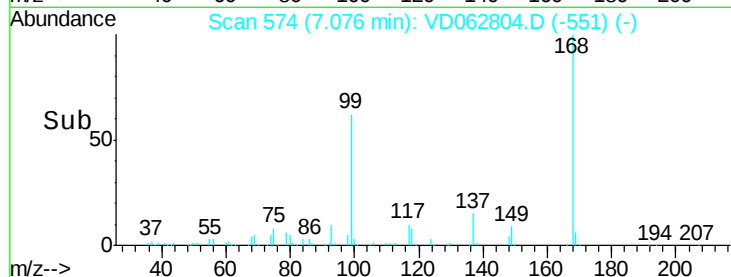
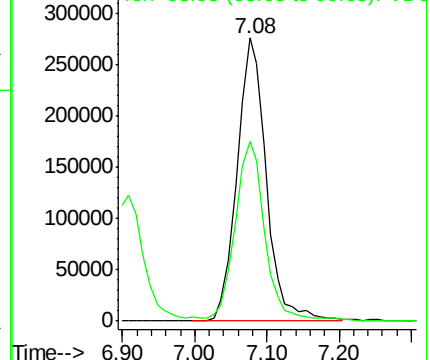
168 100

99 63.6 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: 38.663 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062804.D

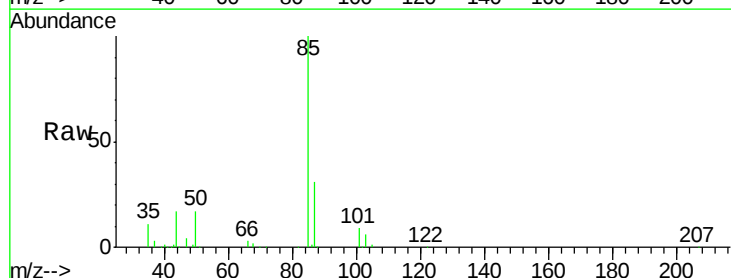
Acq: 20 Jun 2019 19:53

Tgt Ion: 85 Resp: 391404

Ion Ratio Lower Upper

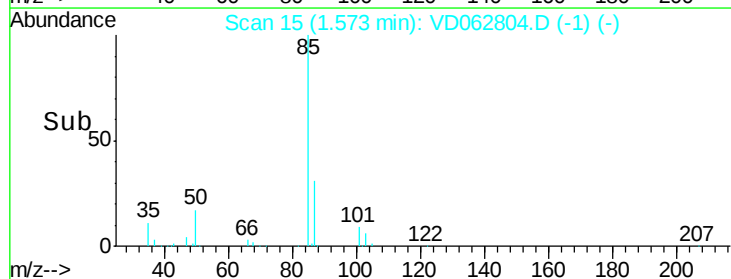
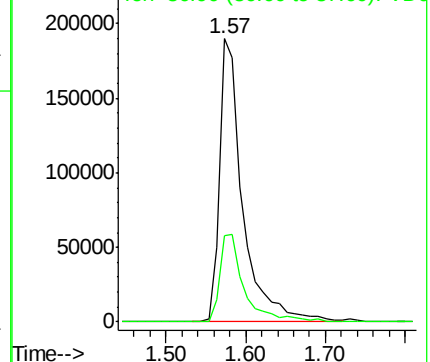
85 100

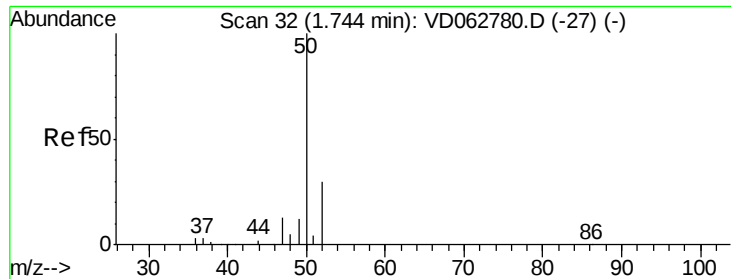
87 30.6 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 38.420 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

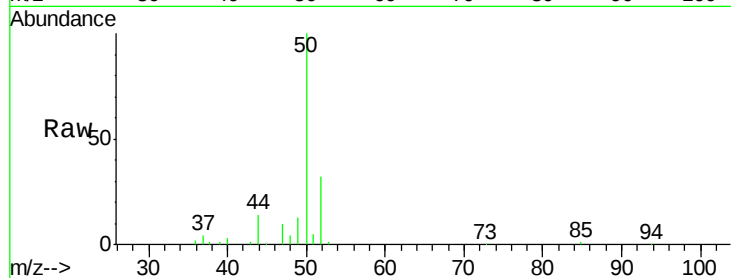
VSTDCCC050EC

Tot Ion: 50 Resp: 292512

Ion Ratio Lower Upper

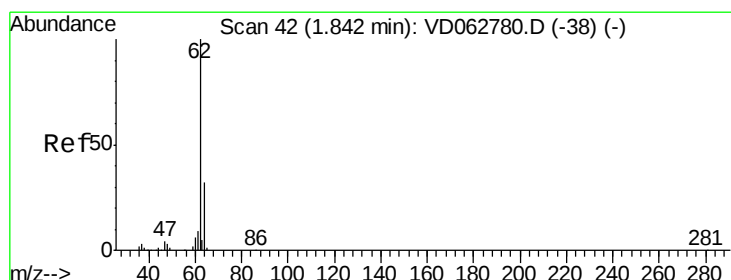
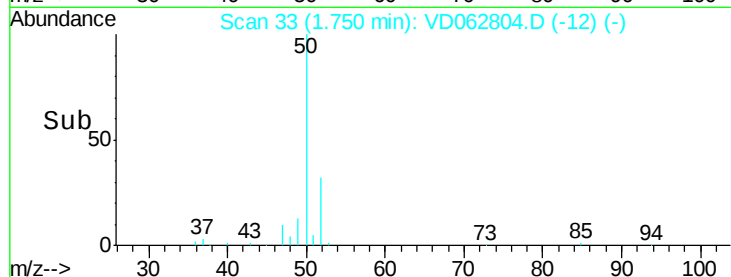
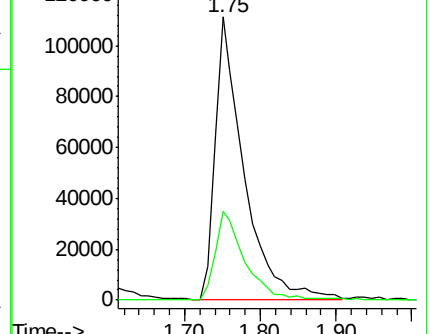
50 100

52 31.5 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 35.822 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062804.D

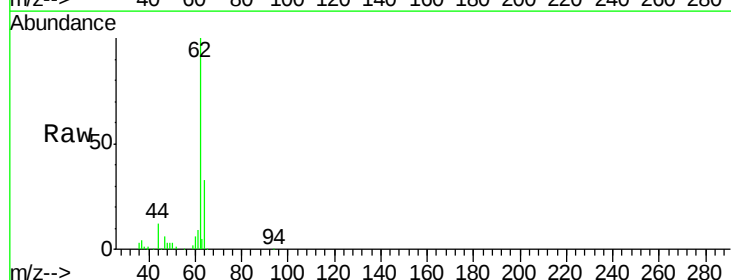
Acq: 20 Jun 2019 19:53

Tgt Ion: 62 Resp: 270411

Ion Ratio Lower Upper

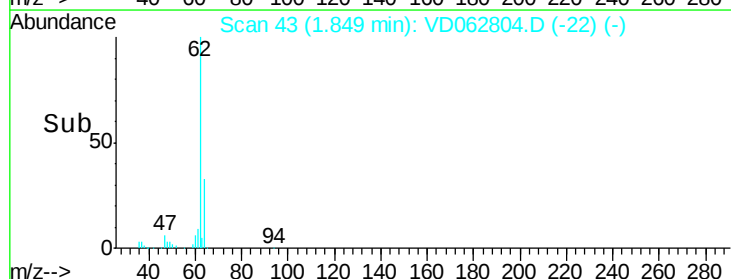
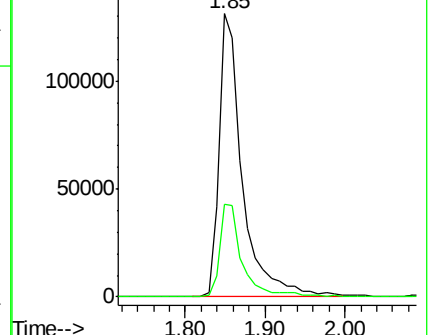
62 100

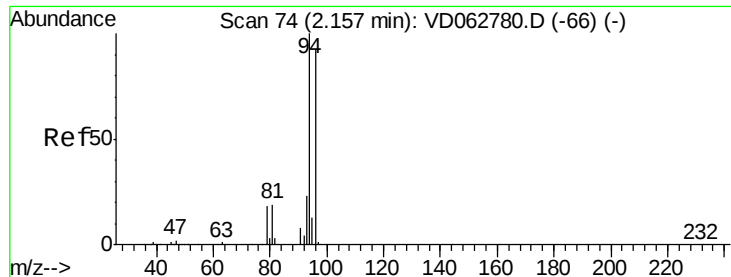
64 32.6 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 44.944 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

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VSTDCCC050EC

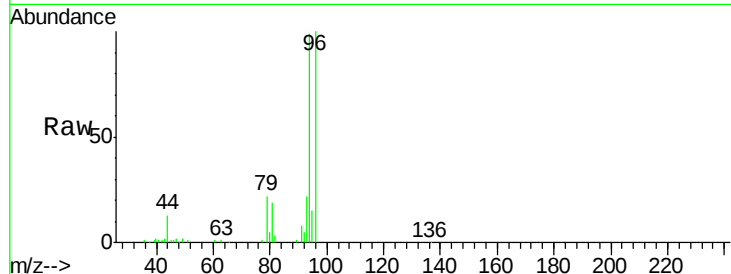
Tot Ion: 94 Resp: 158884

Ion Ratio Lower Upper

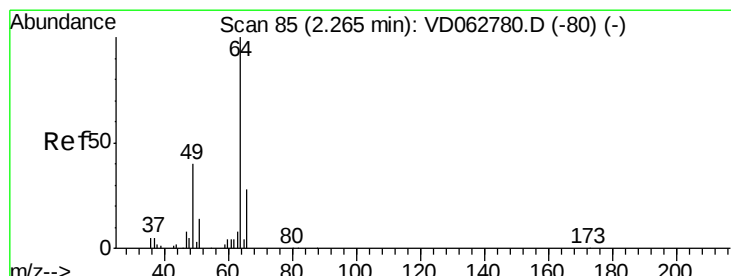
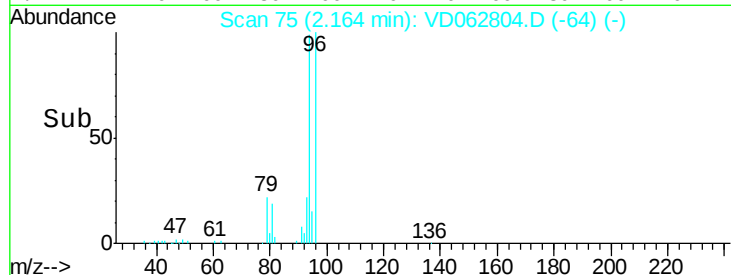
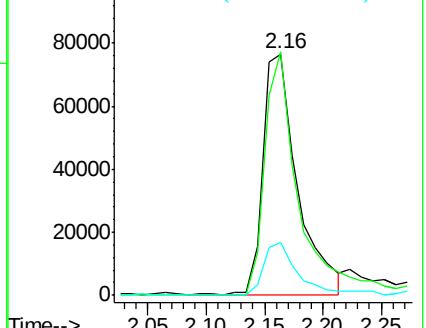
94 100

96 100.8 73.4 110.2

93 22.0 18.2 27.4



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



#6

Chloroethane

Concen: 44.021 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD062804.D

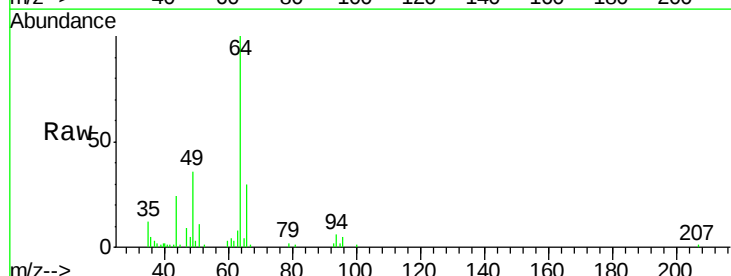
Acq: 20 Jun 2019 19:53

Tgt Ion: 64 Resp: 150447

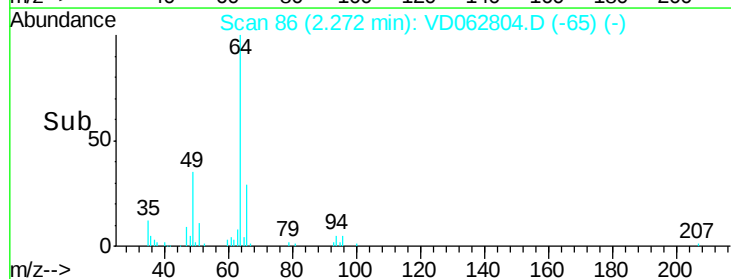
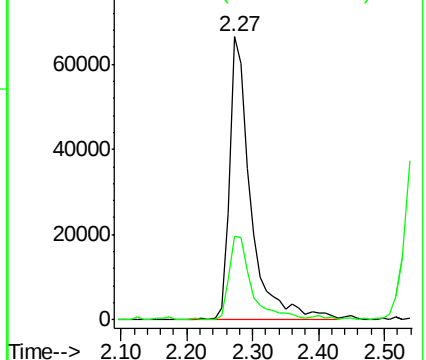
Ion Ratio Lower Upper

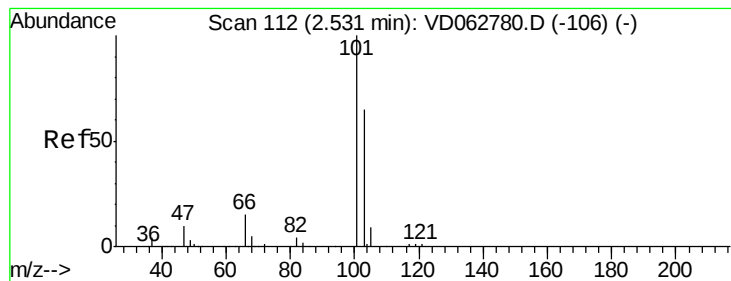
64 100

66 29.5 23.0 34.4



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



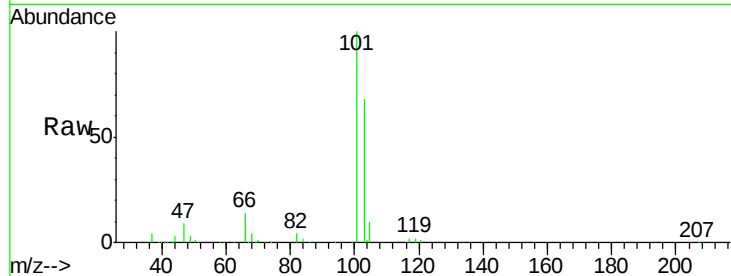


#7

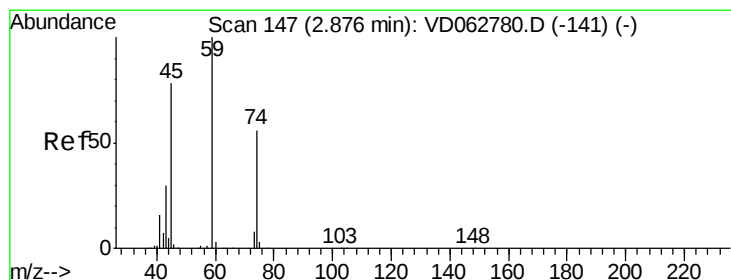
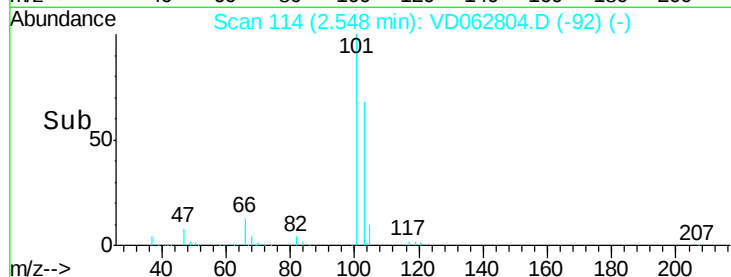
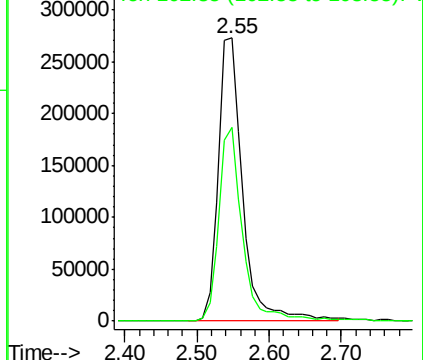
Trichlorofluoromethane
 Concen: 41.578 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.02 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 635193
 Ion Ratio Lower Upper
 101 100
 103 68.3 51.8 77.8



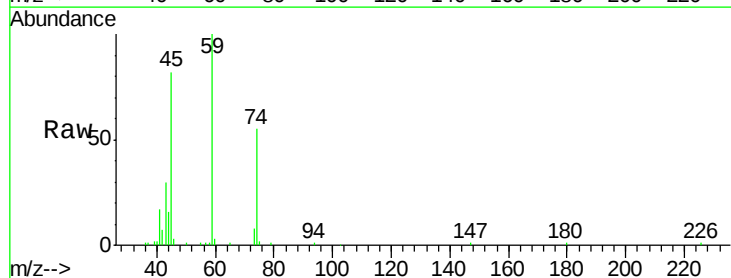
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



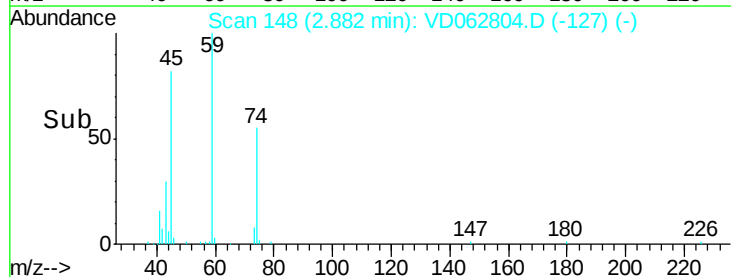
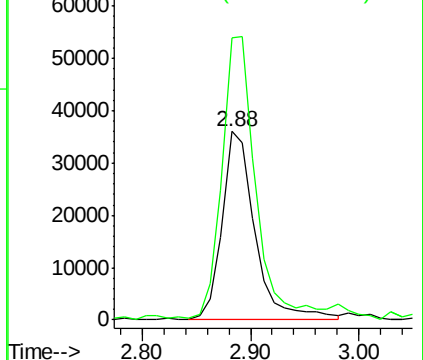
#8

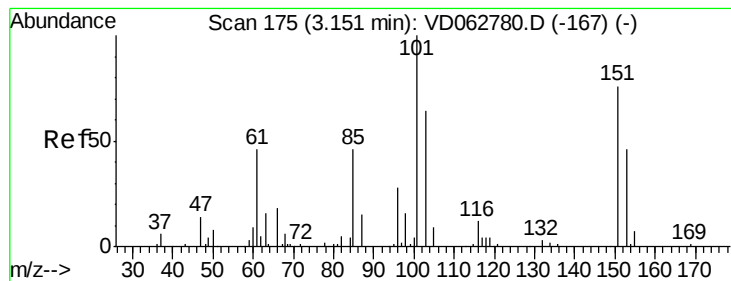
Diethyl Ether
 Concen: 39.485 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Tgt Ion: 74 Resp: 76643
 Ion Ratio Lower Upper
 74 100
 45 149.6 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: 39.690 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

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VSTDCCC050EC

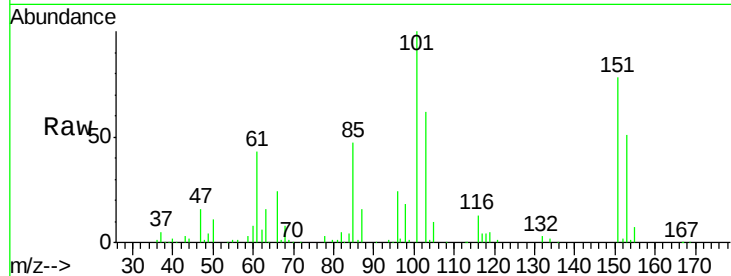
Tot Ion:101 Resp: 328491

Ion Ratio Lower Upper

101 100

85 47.1 37.0 55.4

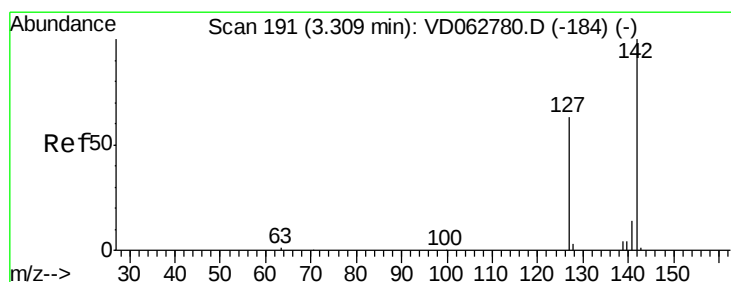
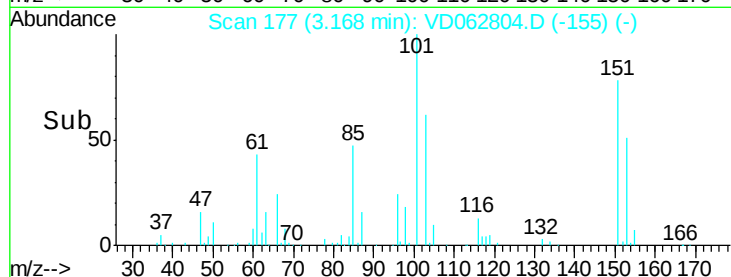
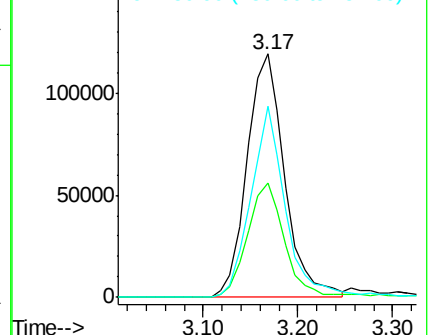
151 78.3 60.5 90.7



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: 39.803 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

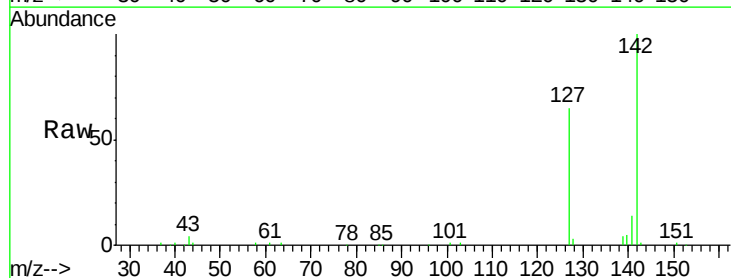
Tgt Ion:142 Resp: 434606

Ion Ratio Lower Upper

142 100

127 64.6 50.1 75.1

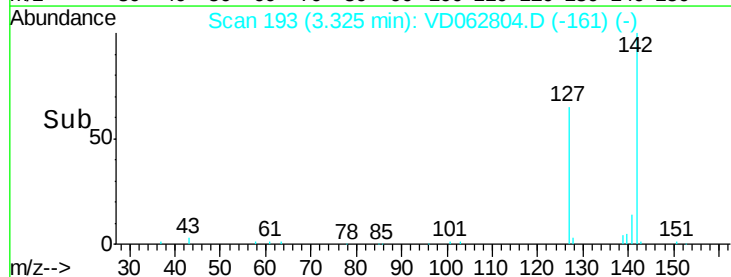
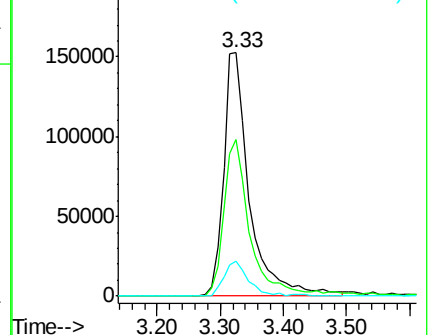
141 14.3 11.0 16.4

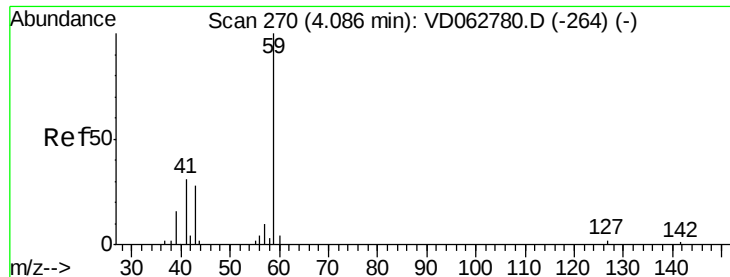


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



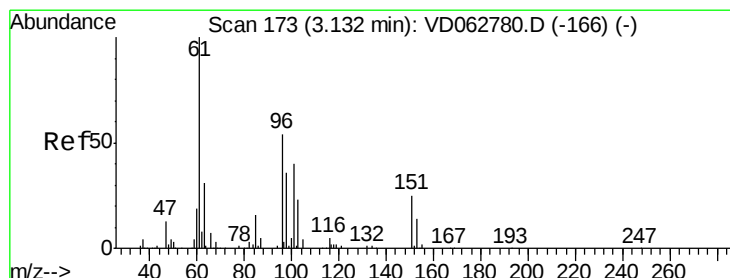
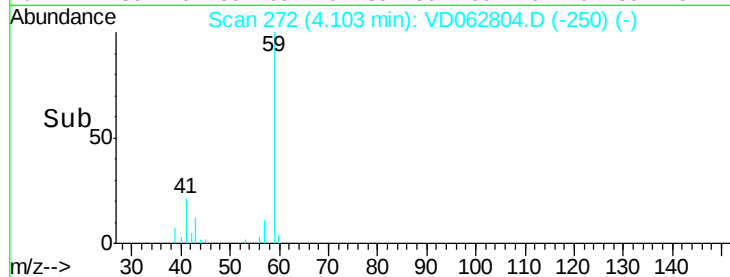
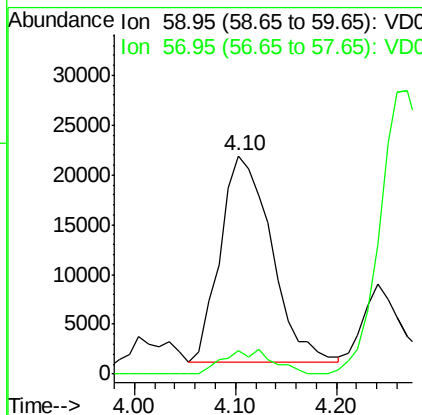
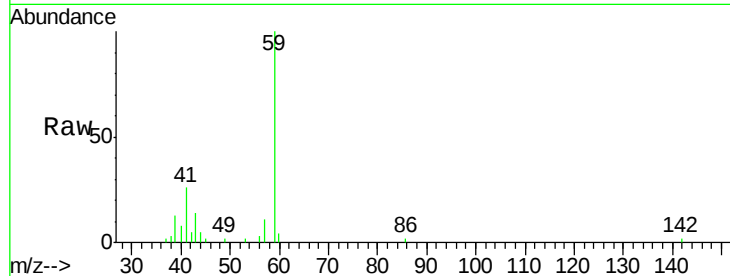


#11

Tert butyl alcohol
Concen: 189.725 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.02 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

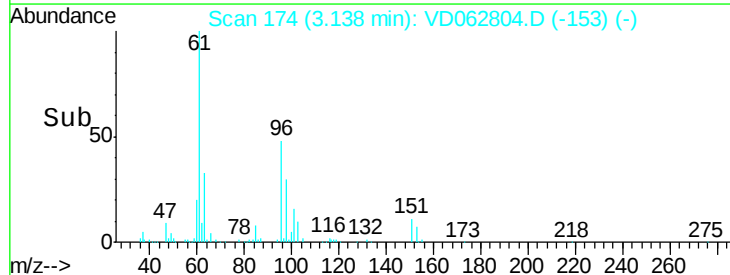
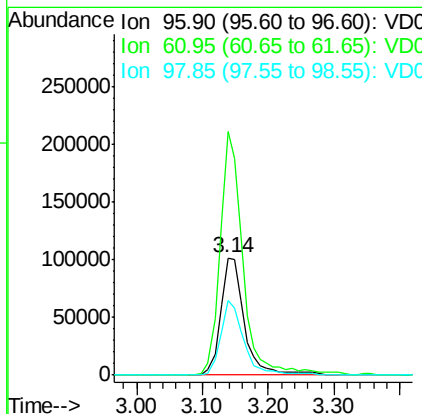
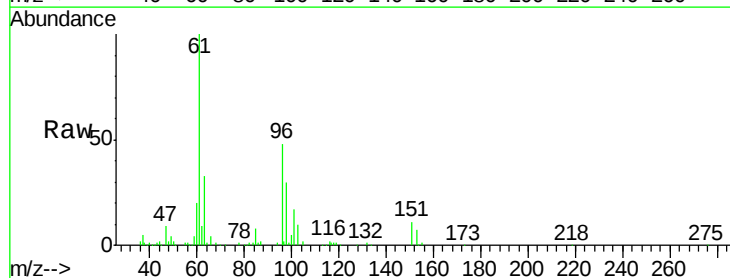
Tot Ion: 59 Resp: 73480
Ion Ratio Lower Upper
59 100
57 10.7 6.6 10.0#



#12

1,1-Dichloroethene
Concen: 41.565 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.01 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Tgt Ion: 96 Resp: 258063
Ion Ratio Lower Upper
96 100
61 207.5 147.1 220.7
98 63.2 52.6 79.0





#13

Acrolein

Concen: 222.502 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

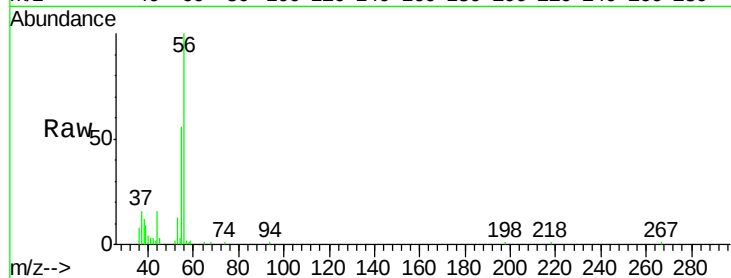
VSTDCCC050EC

Tot Ion: 56 Resp: 87974

Ion Ratio Lower Upper

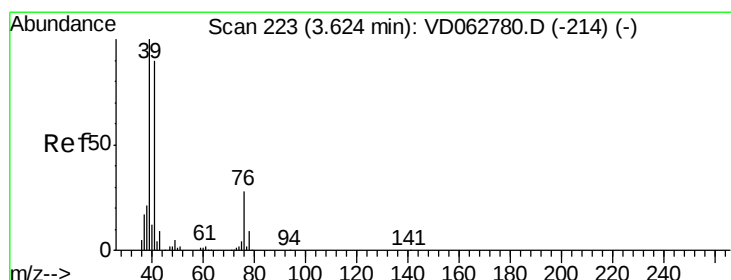
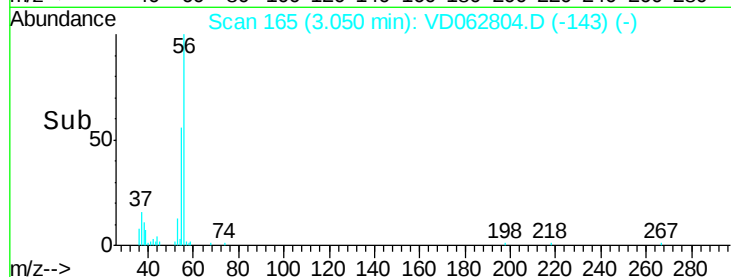
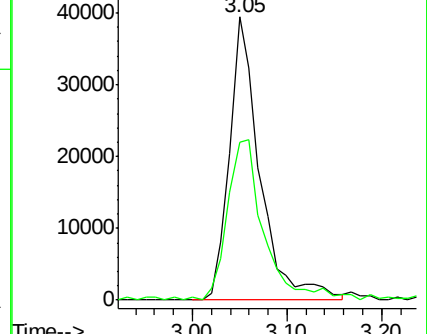
56 100

55 56.0 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 40.684 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

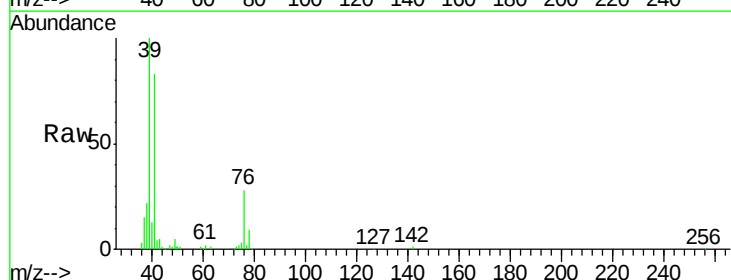
Tgt Ion: 41 Resp: 373240

Ion Ratio Lower Upper

41 100

39 121.2 88.8 133.2

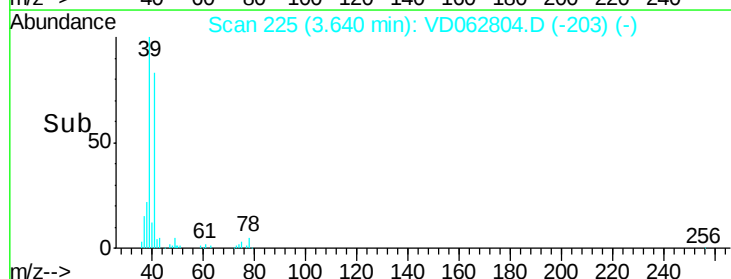
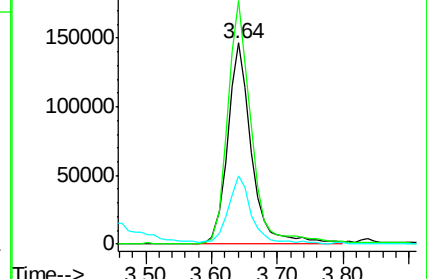
76 34.1 26.7 40.1

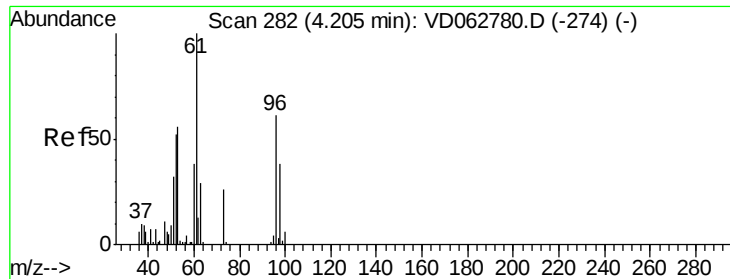


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 203.146 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

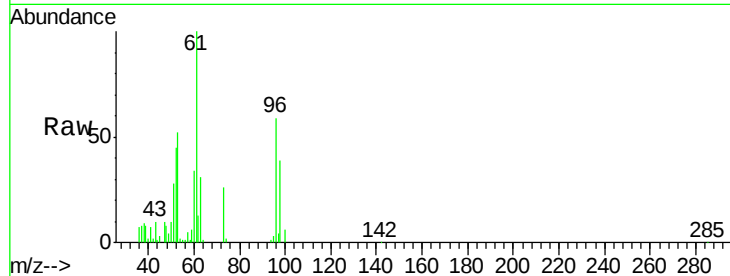
Tot Ion: 53 Resp: 184872

Ion Ratio Lower Upper

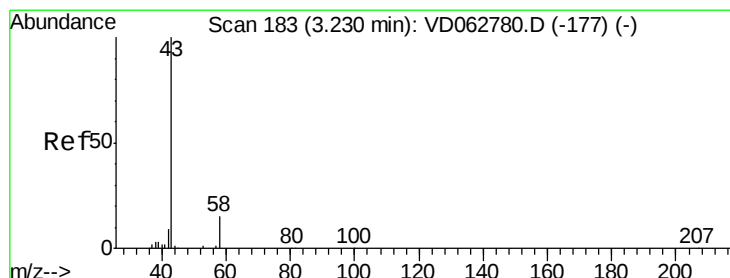
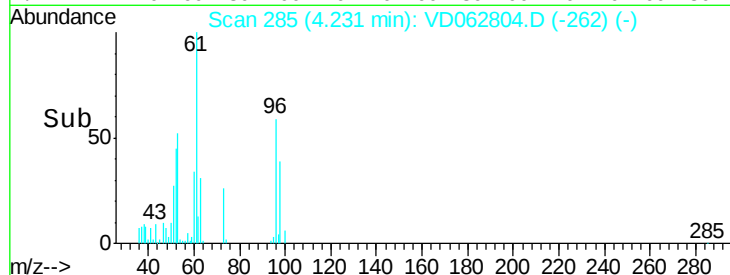
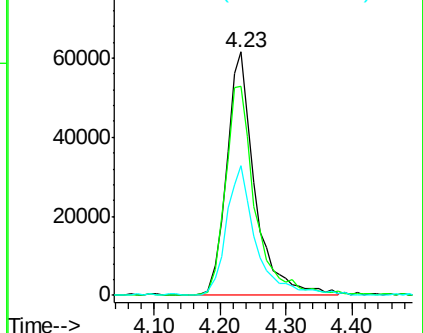
53 100

52 85.9 73.3 109.9

51 53.4 44.8 67.2



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



#16

Acetone

Concen: 198.007 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062804.D

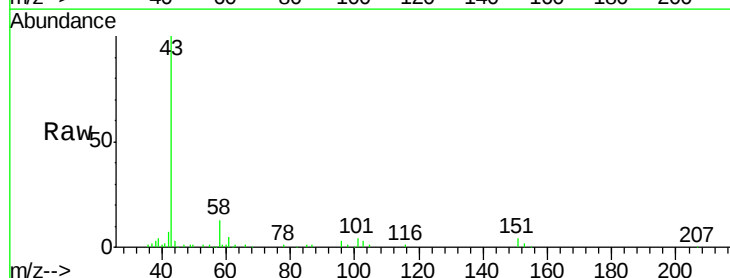
Acq: 20 Jun 2019 19:53

Tgt Ion: 43 Resp: 343966

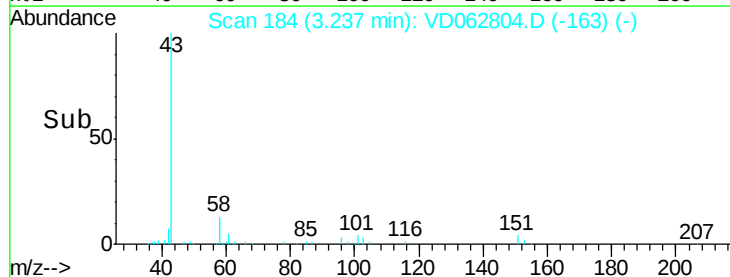
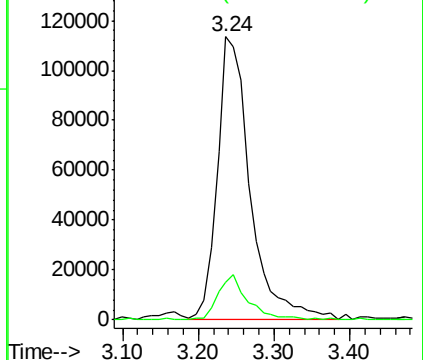
Ion Ratio Lower Upper

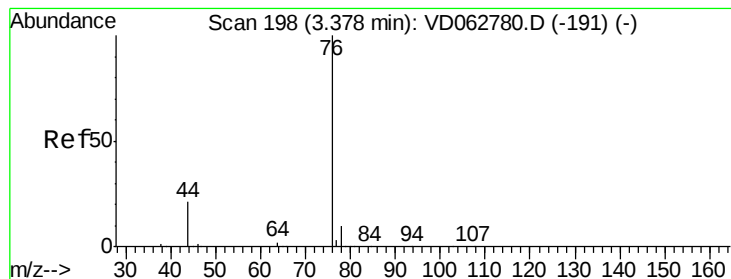
43 100

58 13.1 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: 39.637 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

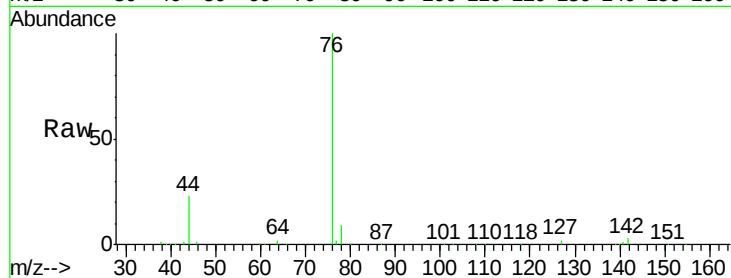
VSTDCCC050EC

Tot Ion: 76 Resp: 786512

Ion Ratio Lower Upper

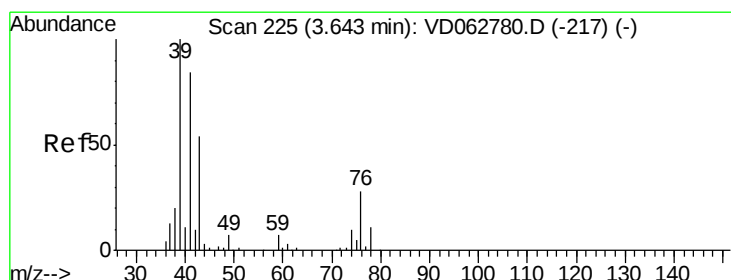
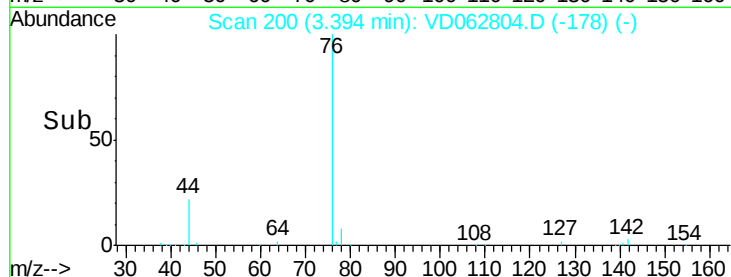
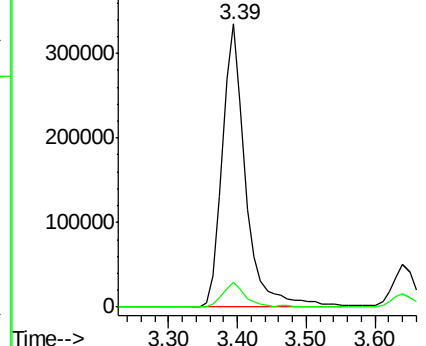
76 100

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: 43.458 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.03 min

Lab File: VD062804.D

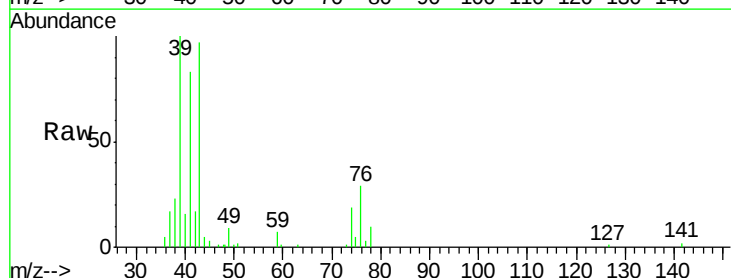
Acq: 20 Jun 2019 19:53

Tgt Ion: 43 Resp: 111560

Ion Ratio Lower Upper

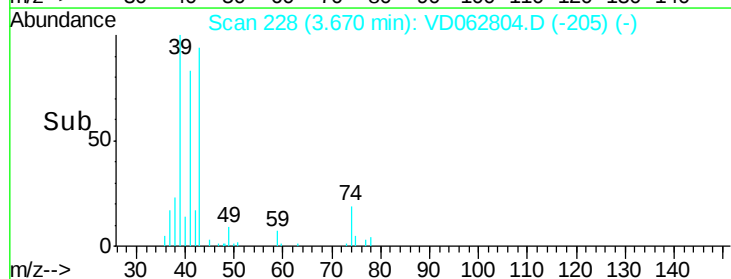
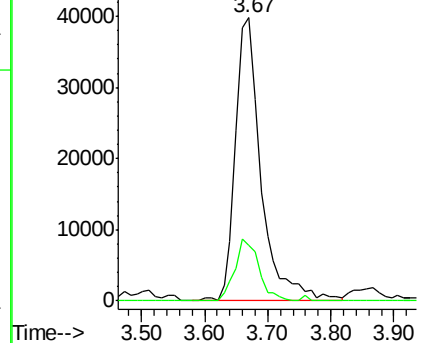
43 100

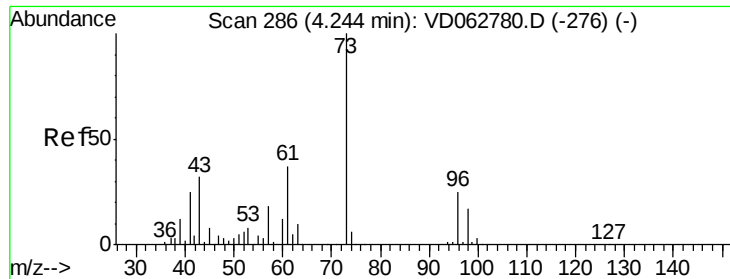
74 19.7 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



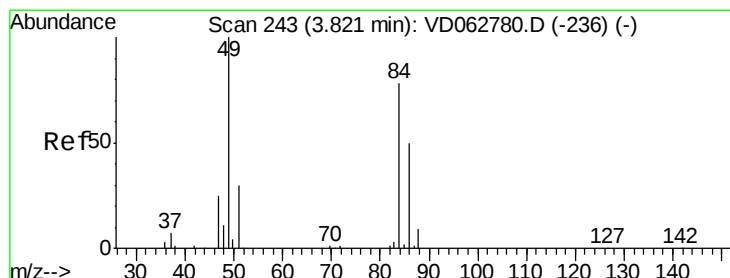
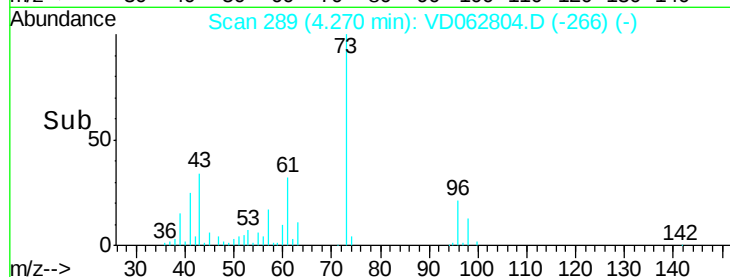
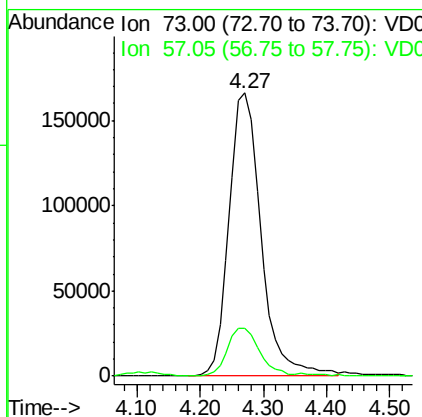
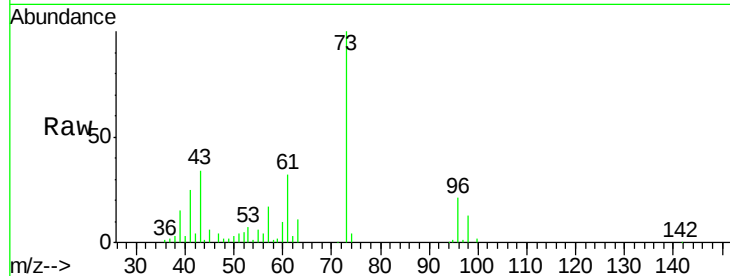


#19

Methyl tert-butyl Ether
 Concen: 43.603 ug/l
 RT: 4.27 min Scan# 289
 Delta R.T. 0.03 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

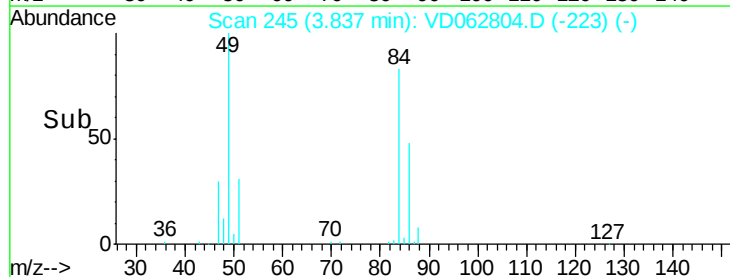
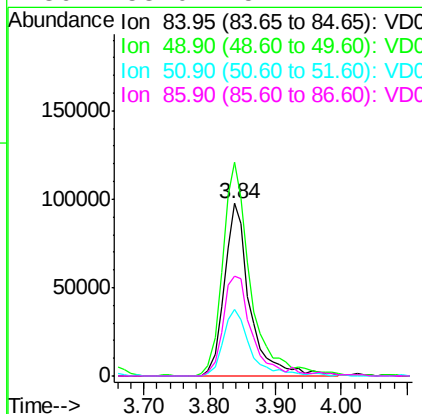
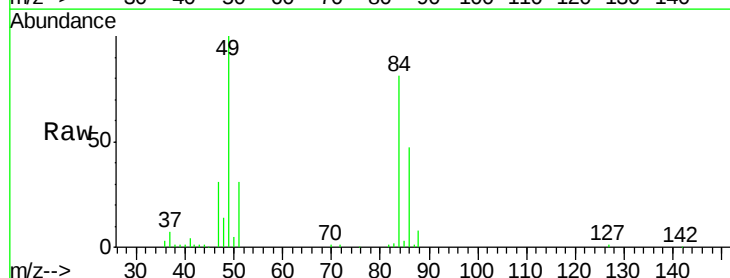
Tot Ion: 73 Resp: 586055
 Ion Ratio Lower Upper
 73 100
 57 17.1 14.3 21.5

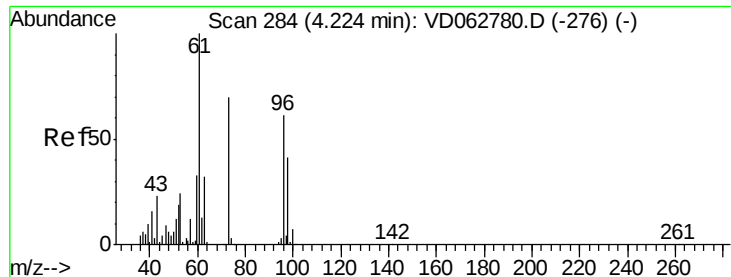


#20

Methylene Chloride
 Concen: 40.908 ug/l
 RT: 3.84 min Scan# 245
 Delta R.T. 0.02 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Tgt Ion: 84 Resp: 265301
 Ion Ratio Lower Upper
 84 100
 49 123.7 102.9 154.3
 51 38.9 31.2 46.8
 86 58.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 43.214 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

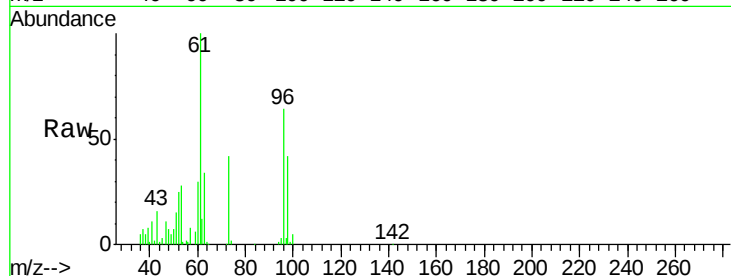
Tot Ion: 96 Resp: 285685

Ion Ratio Lower Upper

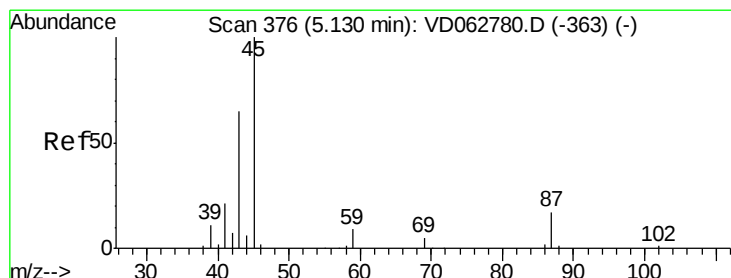
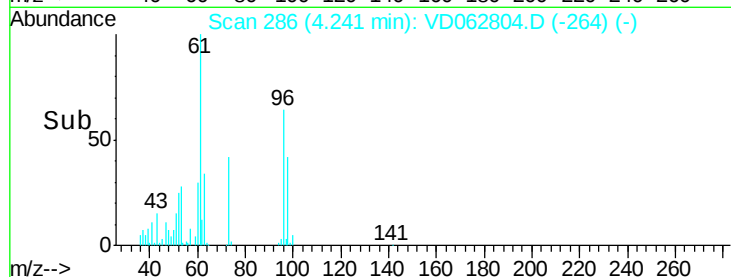
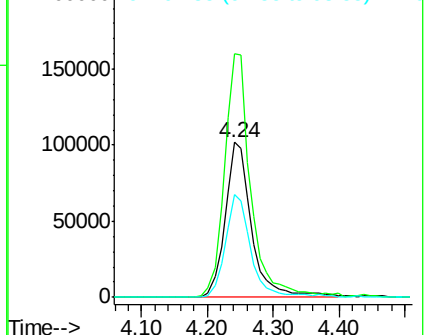
96 100

61 157.3 131.0 196.4

98 66.4 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: 42.264 ug/l

RT: 5.16 min Scan# 379

Delta R.T. 0.03 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Tgt Ion: 45 Resp: 788519

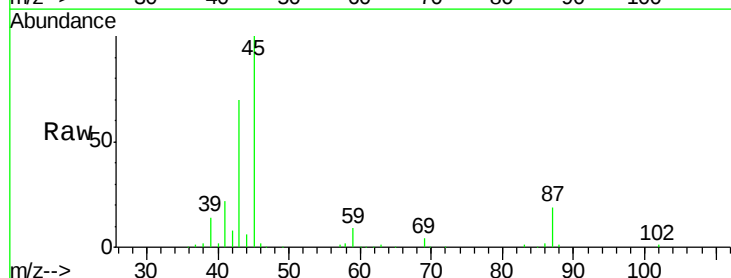
Ion Ratio Lower Upper

45 100

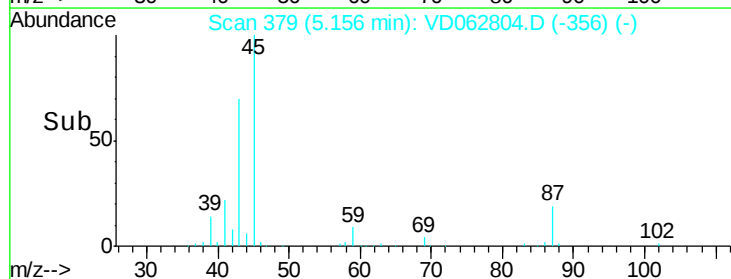
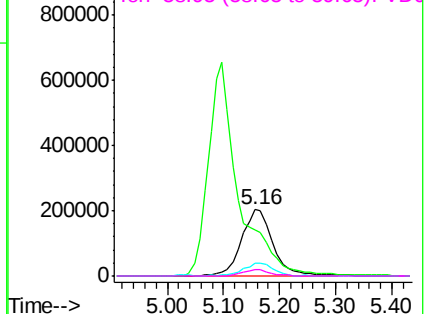
43 69.8 53.4 80.0

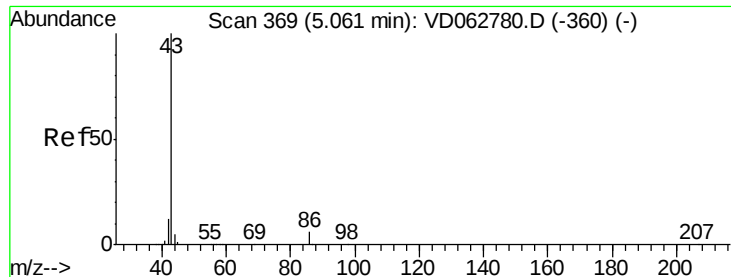
87 19.3 14.6 22.0

59 9.1 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: 208.917 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.04 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

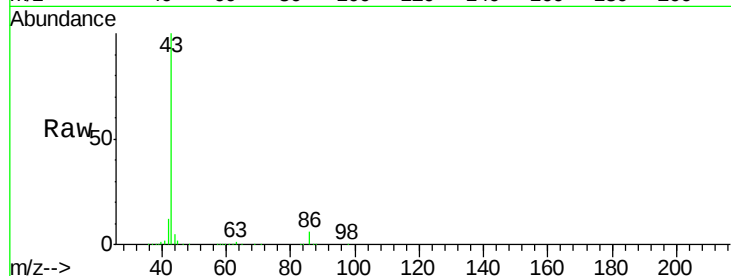
VSTDCCC050EC

Tot Ion: 43 Resp: 2438986

Ion Ratio Lower Upper

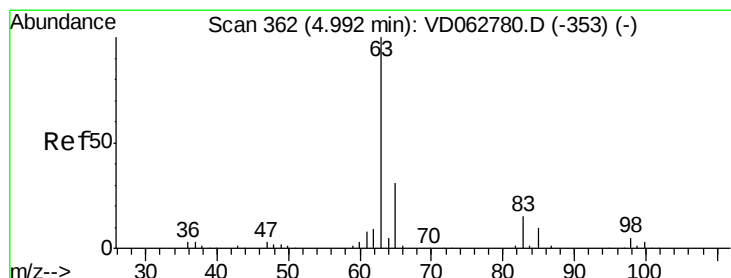
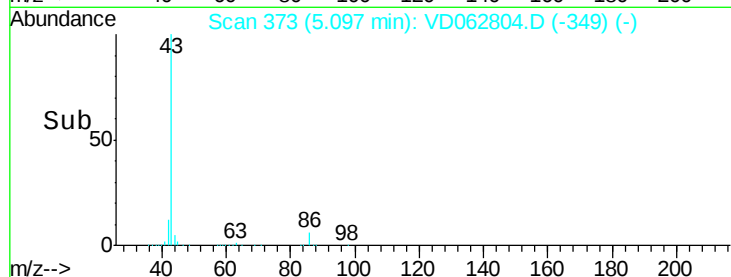
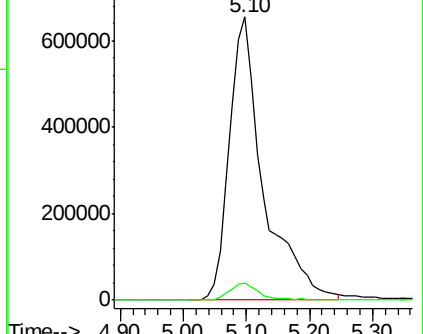
43 100

86 6.0 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 41.840 ug/l

RT: 5.02 min Scan# 365

Delta R.T. 0.03 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

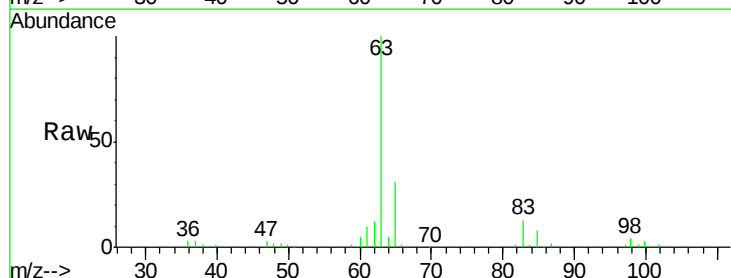
Tgt Ion: 63 Resp: 508239

Ion Ratio Lower Upper

63 100

98 4.0 2.3 6.9

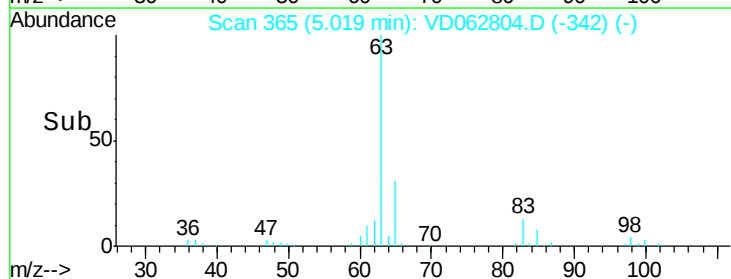
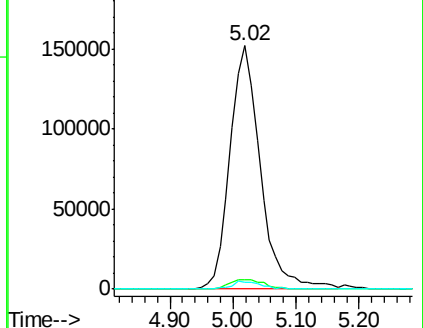
100 3.1 1.7 5.1

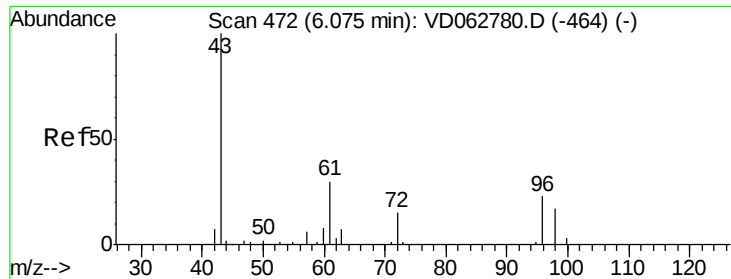


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 211.449 ug/l

RT: 6.11 min Scan# 476

Delta R.T. 0.04 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

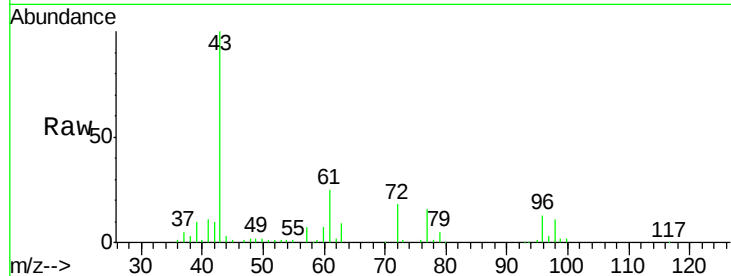
VSTDCCC050EC

Tot Ion: 43 Resp: 336299

Ion Ratio Lower Upper

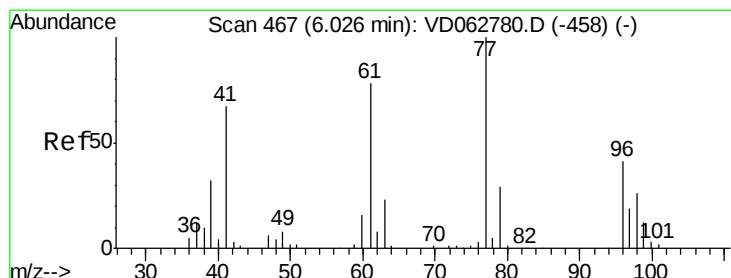
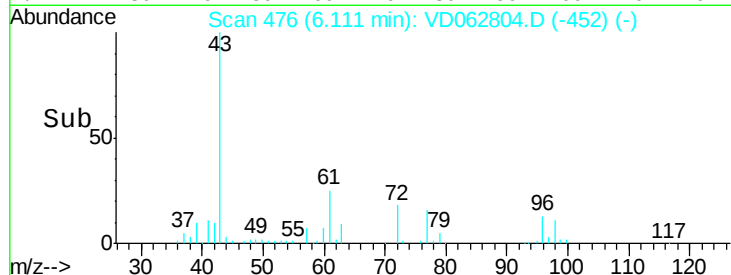
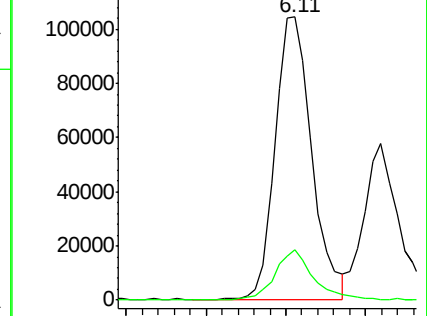
43 100

72 17.8 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: 41.355 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.04 min

Lab File: VD062804.D

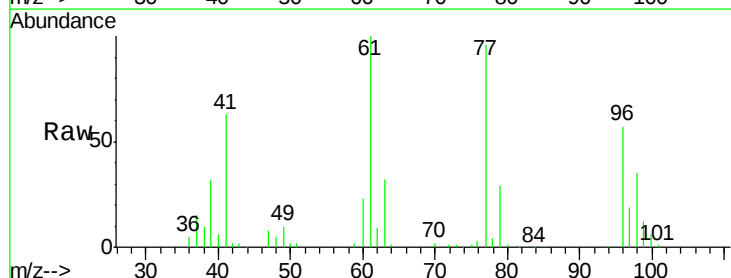
Acq: 20 Jun 2019 19:53

Tgt Ion: 77 Resp: 532459

Ion Ratio Lower Upper

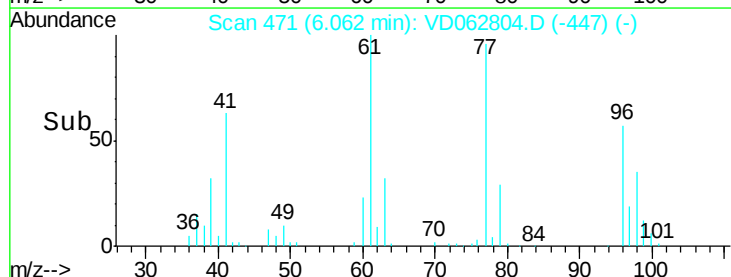
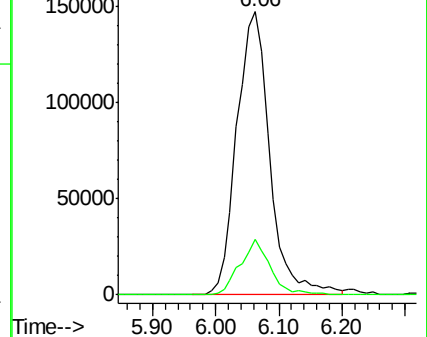
77 100

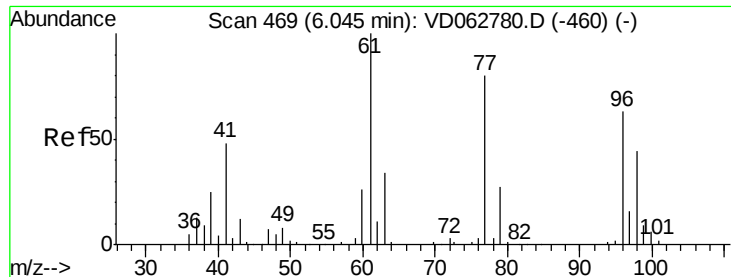
97 19.6 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



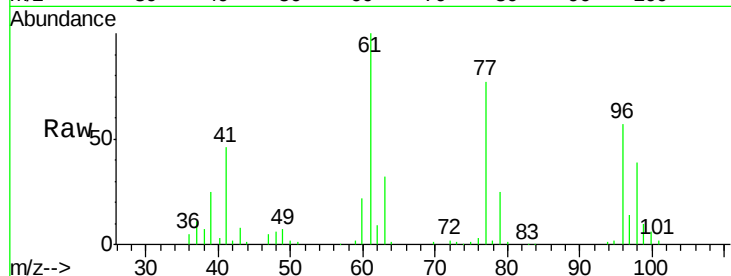


#27

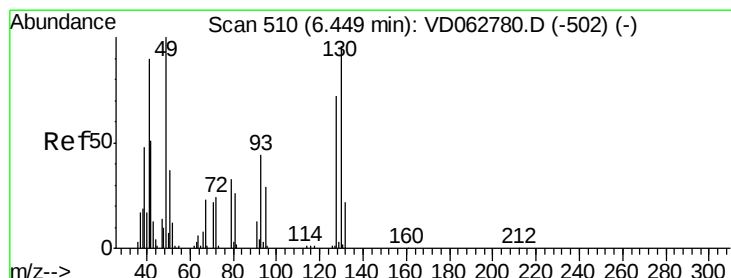
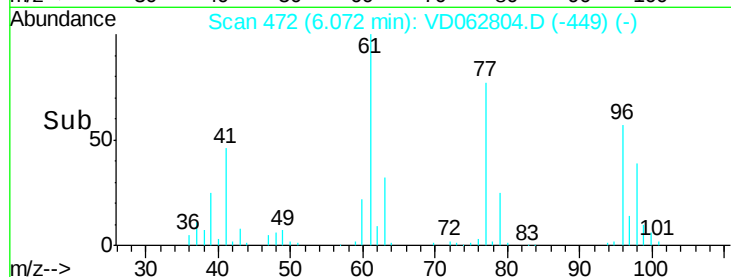
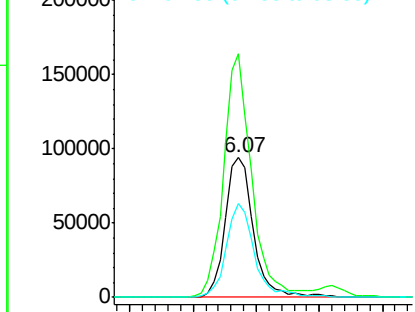
cis-1,2-Dichloroethene
 Concen: 41.482 ug/l
 RT: 6.07 min Scan# 472
 Delta R.T. 0.03 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.4	0.0	316.0
98	67.6	0.0	138.4



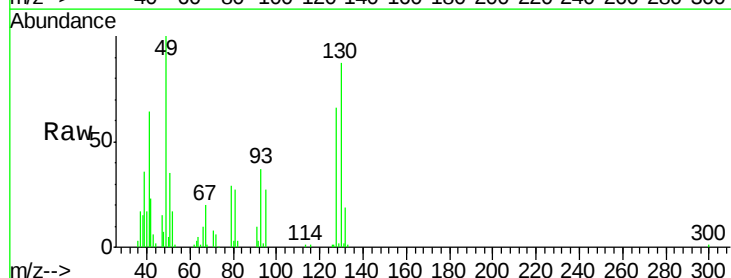
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



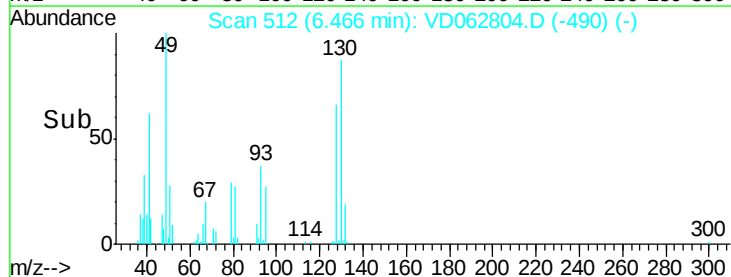
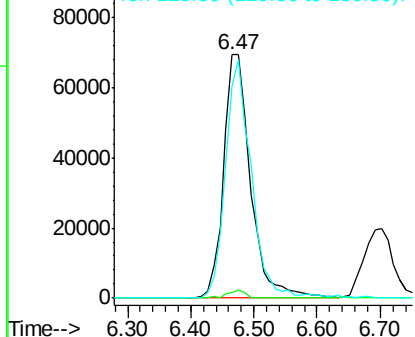
#28

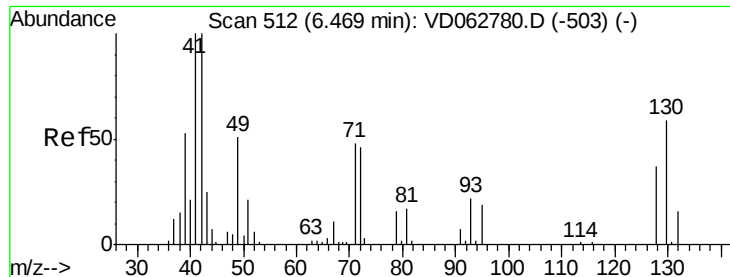
Bromochloromethane
 Concen: 47.937 ug/l
 RT: 6.47 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.6
130	87.1	76.6	114.8



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





#29

Tetrahydrofuran

Concen: 208.916 ug/l

RT: 6.50 min Scan# 515

Delta R.T. 0.03 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

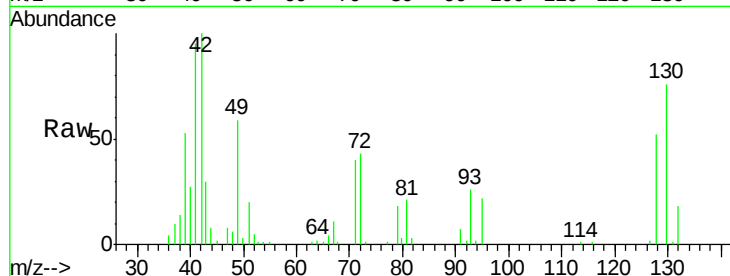
Tot Ion: 42 Resp: 157210

Ion Ratio Lower Upper

42 100

72 43.0 35.0 52.6

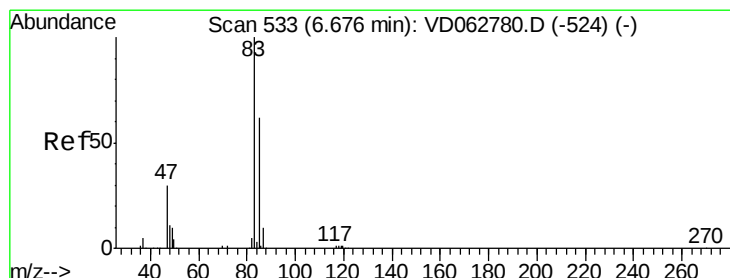
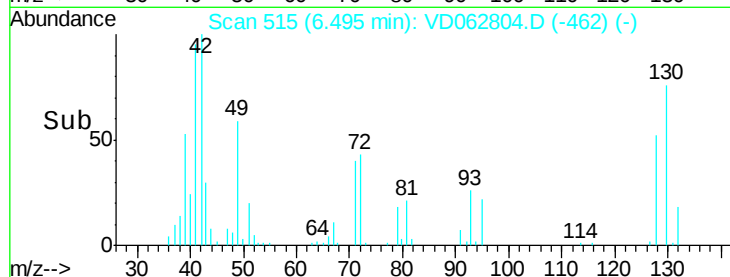
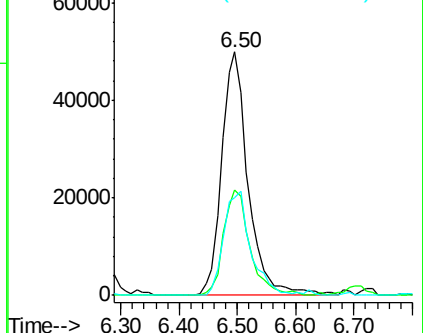
71 43.2 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 44.182 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.02 min

Lab File: VD062804.D

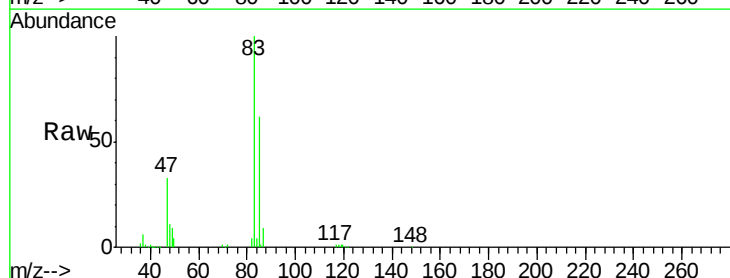
Acq: 20 Jun 2019 19:53

Tgt Ion: 83 Resp: 652688

Ion Ratio Lower Upper

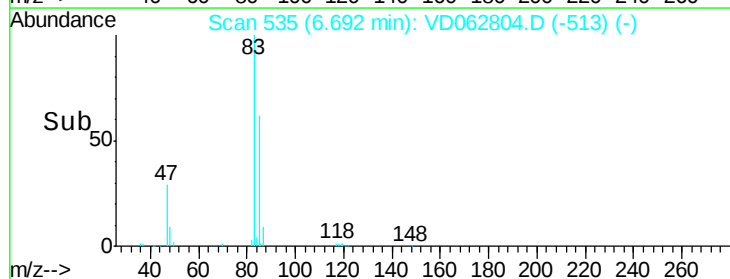
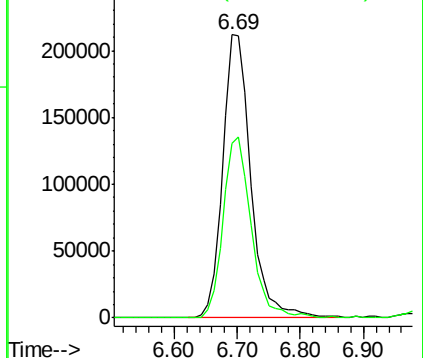
83 100

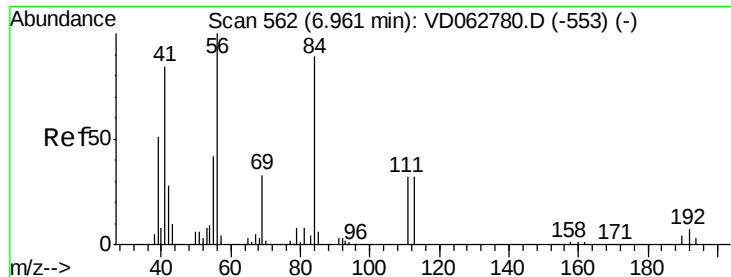
85 61.7 49.8 74.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

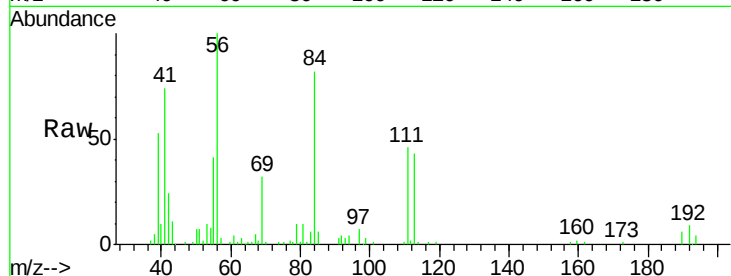




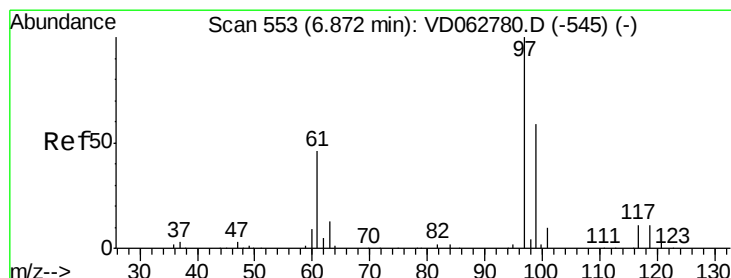
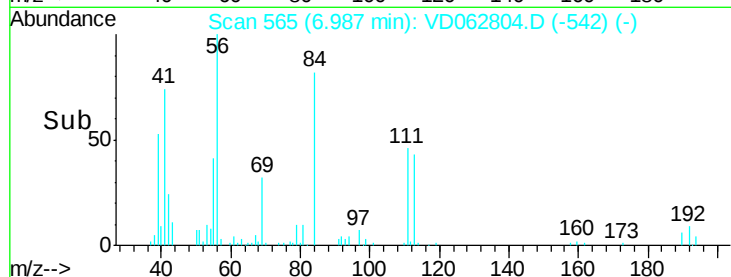
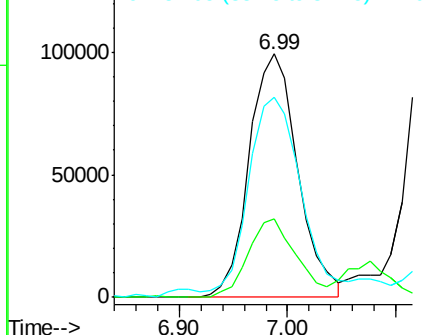
#31
Cyclohexane
Concen: 38.784 ug/l
RT: 6.99 min Scan# 565
Delta R.T. 0.03 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 309711
Ion Ratio Lower Upper
56 100
69 32.3 26.6 39.8
84 82.4 75.5 113.3

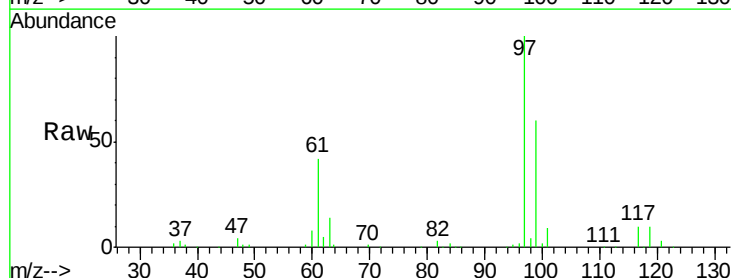


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

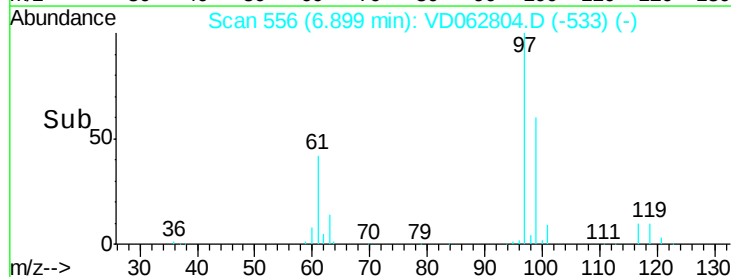
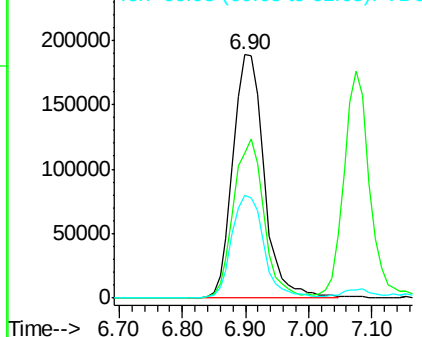


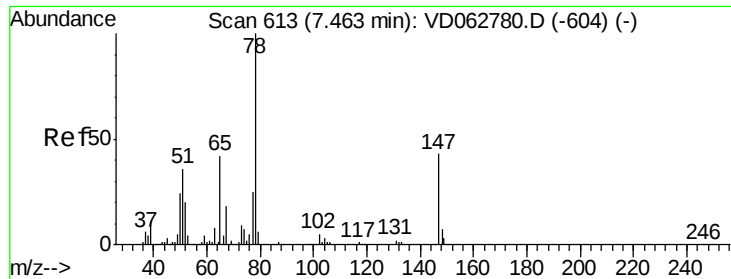
#32
1,1,1-Trichloroethane
Concen: 42.067 ug/l
RT: 6.90 min Scan# 556
Delta R.T. 0.03 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Tgt Ion: 97 Resp: 647281
Ion Ratio Lower Upper
97 100
99 59.8 47.4 71.2
61 42.4 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: 56.862 ug/l

RT: 7.49 min Scan# 616

Delta R.T. 0.03 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

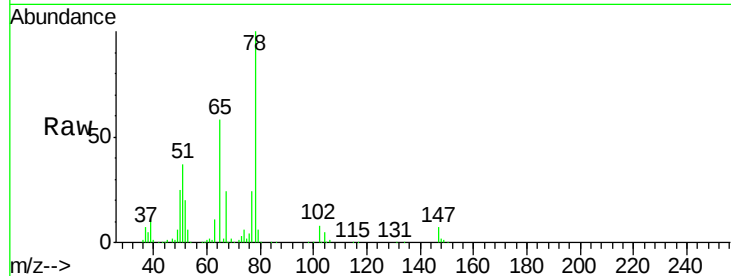
VSTDCCC050EC

Tot Ion: 65 Resp: 483541

Ion Ratio Lower Upper

65 100

67 42.2 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.49

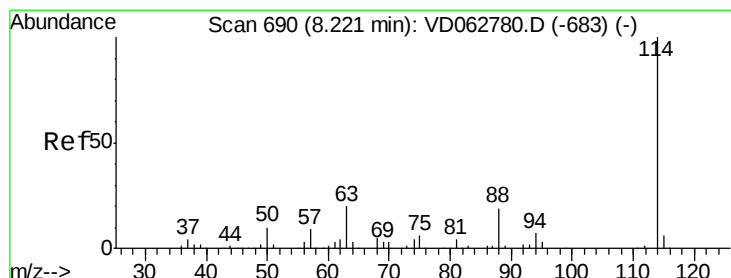
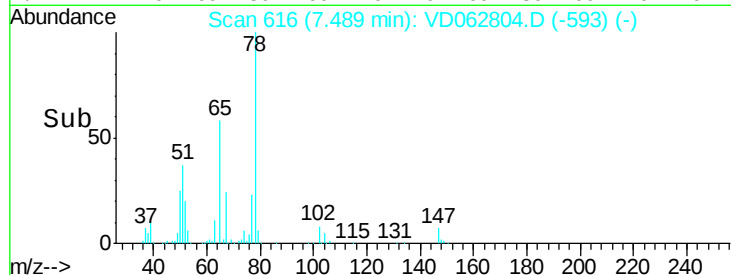
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.25 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

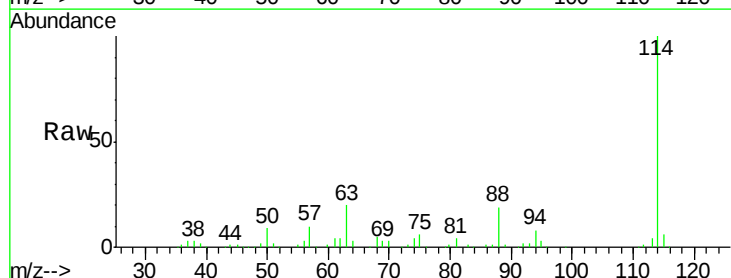
Tgt Ion: 114 Resp: 1072883

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 18.6 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

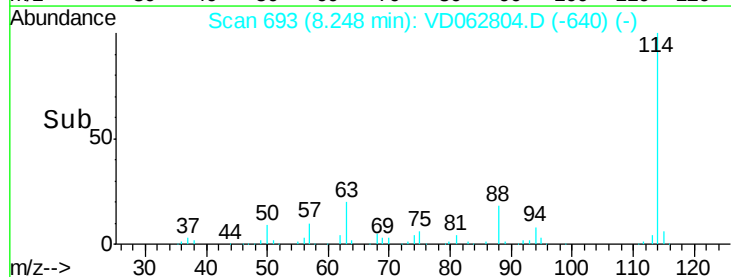
300000

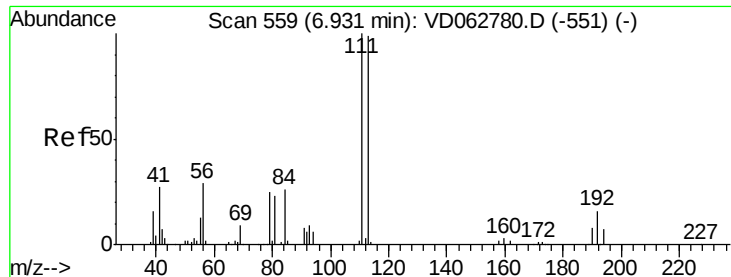
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 54.005 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

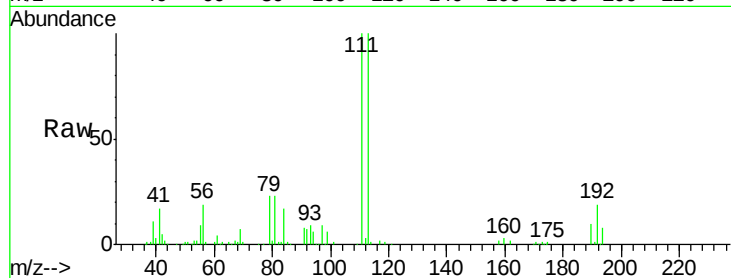
Tot Ion:113 Resp: 488555

Ion Ratio Lower Upper

113 100

111 100.5 81.2 121.8

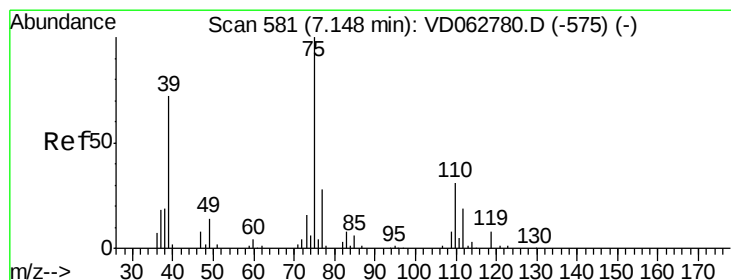
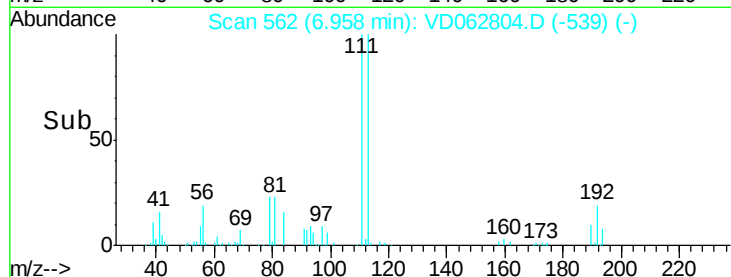
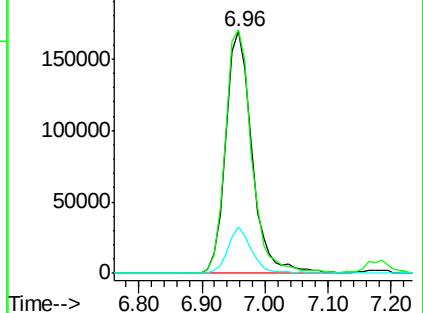
192 19.4 12.9 19.3#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 40.470 ug/l

RT: 7.17 min Scan# 584

Delta R.T. 0.03 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

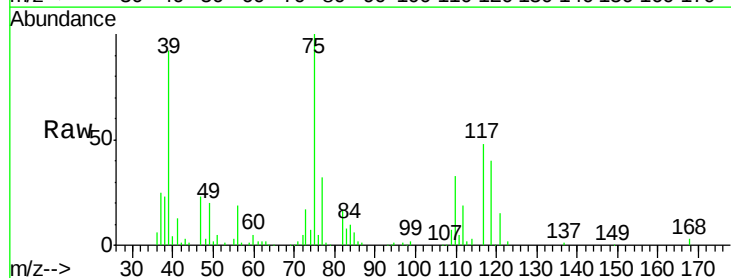
Tgt Ion: 75 Resp: 411031

Ion Ratio Lower Upper

75 100

110 33.0 15.0 45.1

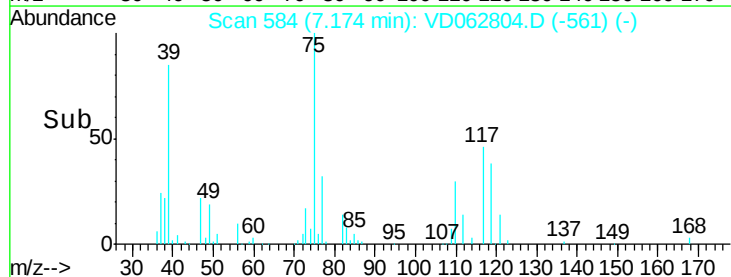
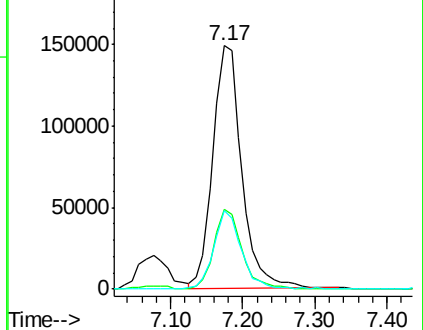
77 32.3 22.2 33.2

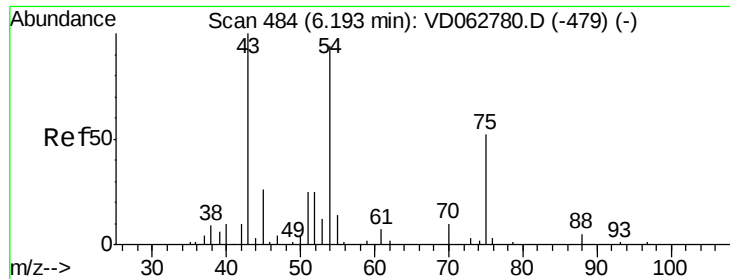


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

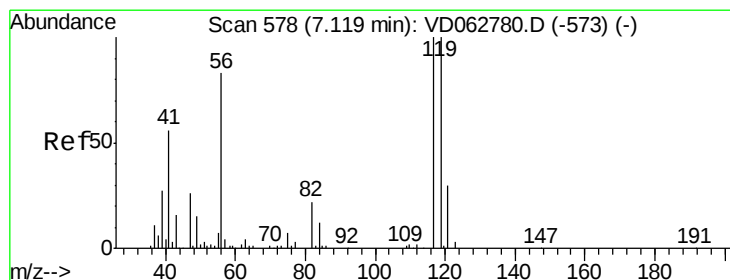
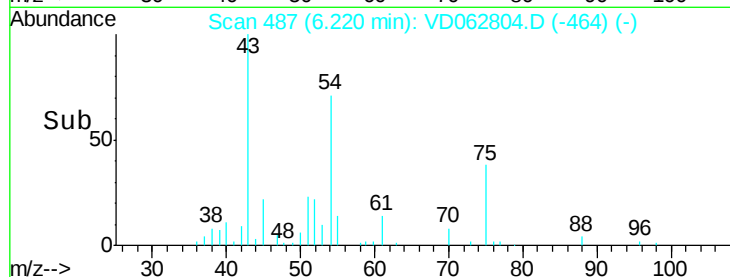
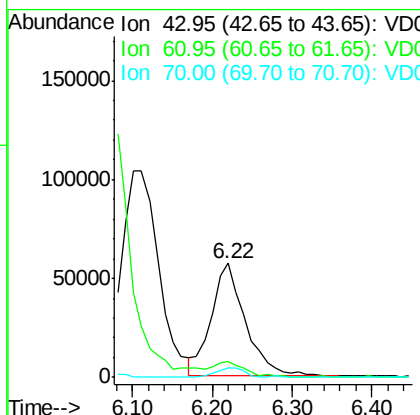
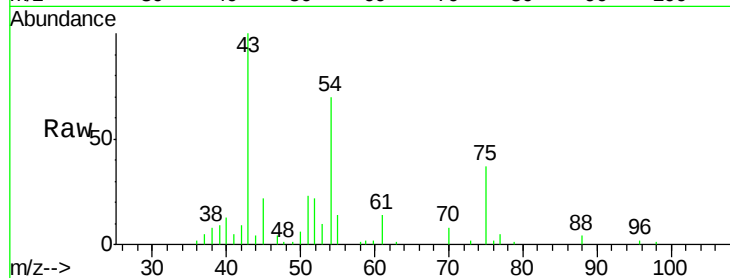




#37
Ethyl Acetate
Concen: 40.055 ug/l
RT: 6.22 min Scan# 487
Delta R.T. 0.03 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

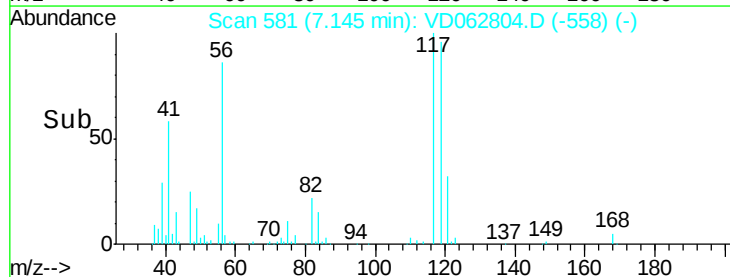
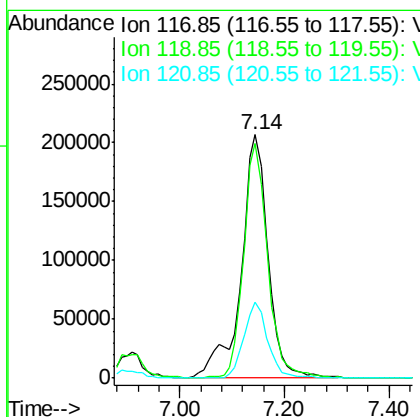
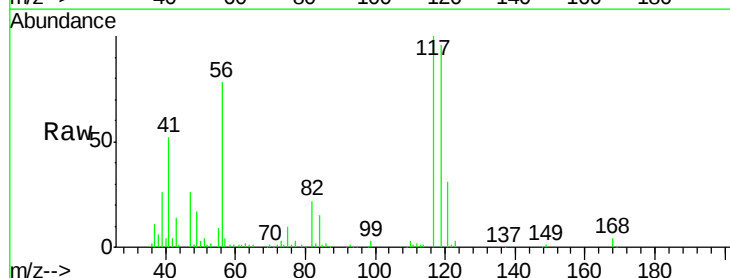
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 171823
Ion Ratio Lower Upper
43 100
61 14.0 11.6 17.4
70 8.3 6.4 9.6



#38
Carbon Tetrachloride
Concen: 47.217 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Tgt Ion: 117 Resp: 721222
Ion Ratio Lower Upper
117 100
119 96.3 75.4 113.2
121 31.1 22.3 33.5





#39

Methvlcvclohexane

Concen: 40.649 ug/l

RT: 8.90 min Scan# 759

Delta R.T. 0.03 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

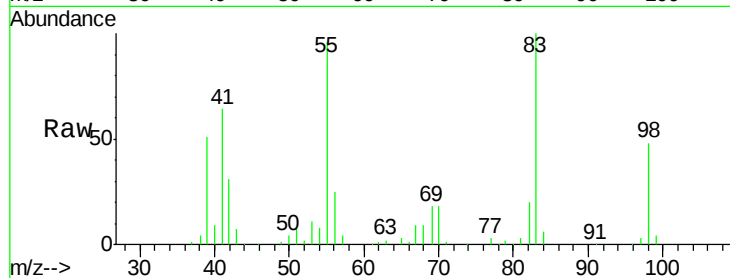
Tot Ion: 83 Resp: 363404

Ion Ratio Lower Upper

83 100

55 95.6 76.6 115.0

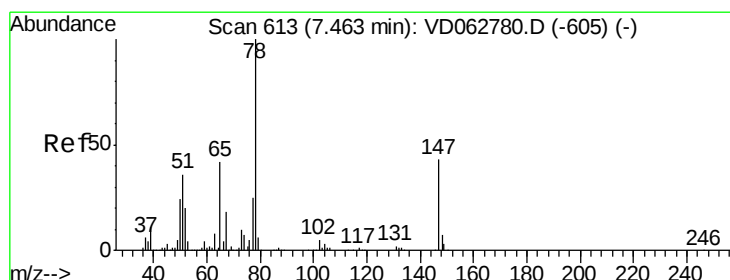
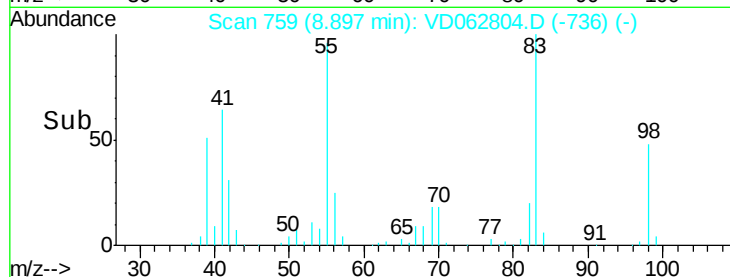
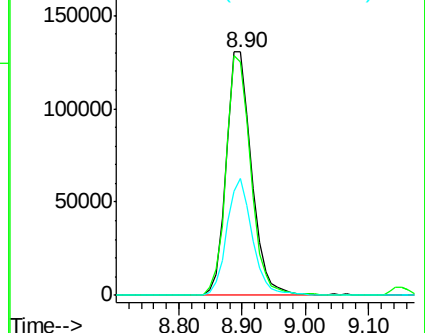
98 47.8 35.7 53.5



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: 43.159 ug/l

RT: 7.49 min Scan# 616

Delta R.T. 0.03 min

Lab File: VD062804.D

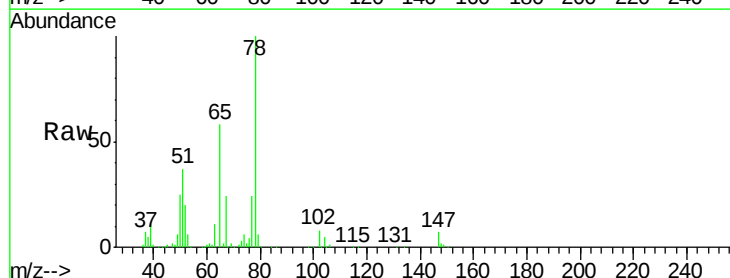
Acq: 20 Jun 2019 19:53

Tgt Ion: 78 Resp: 879870

Ion Ratio Lower Upper

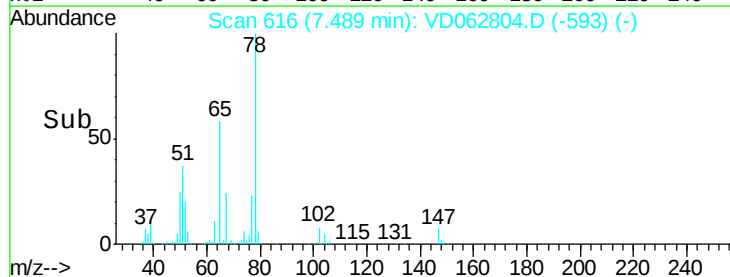
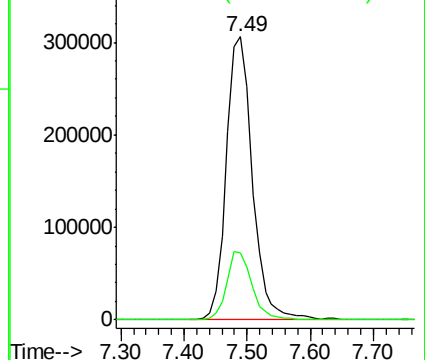
78 100

77 23.8 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: 41.141 ug/l

RT: 6.49 min Scan# 514

Delta R.T. 0.04 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 220354

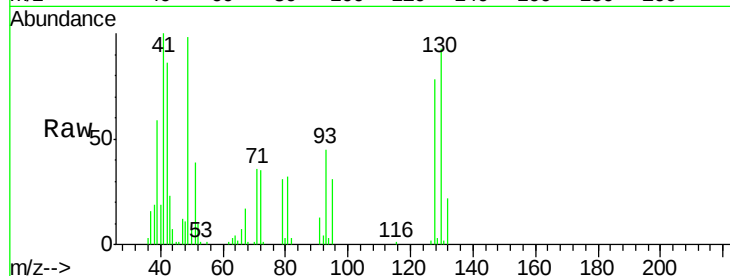
Ion Ratio Lower Upper

41 100

39 59.2 43.2 64.8

67 16.9 19.9 29.9#

52 9.6 10.2 15.4#

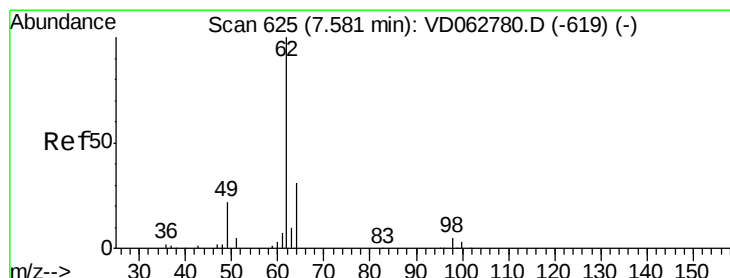
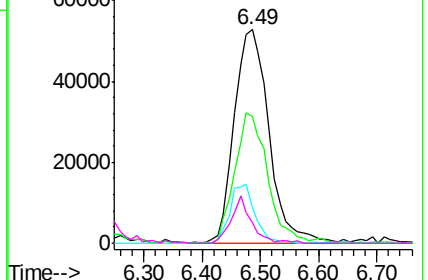
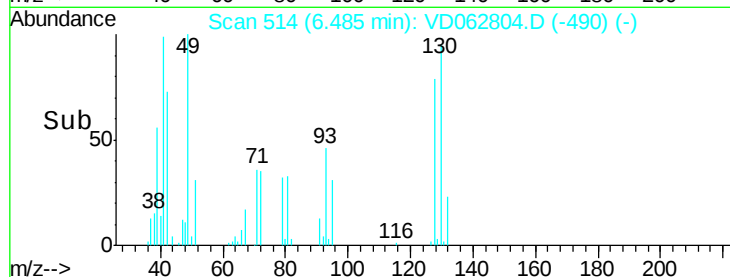


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 43.758 ug/l

RT: 7.61 min Scan# 628

Delta R.T. 0.03 min

Lab File: VD062804.D

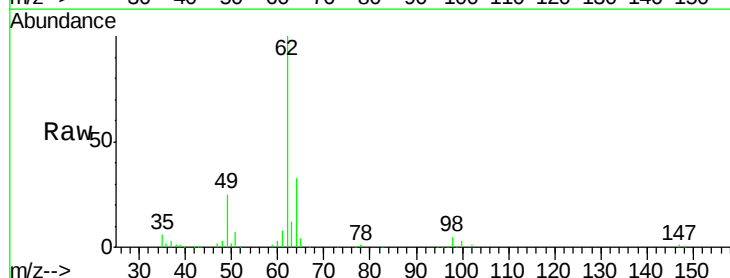
Acq: 20 Jun 2019 19:53

Tgt Ion: 62 Resp: 486652

Ion Ratio Lower Upper

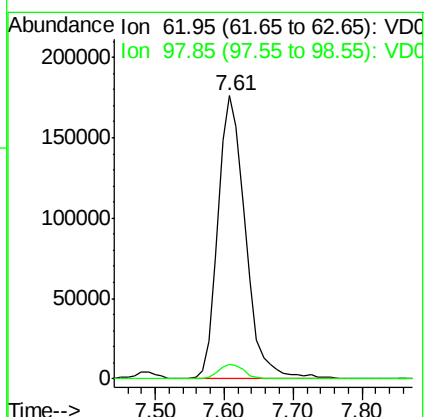
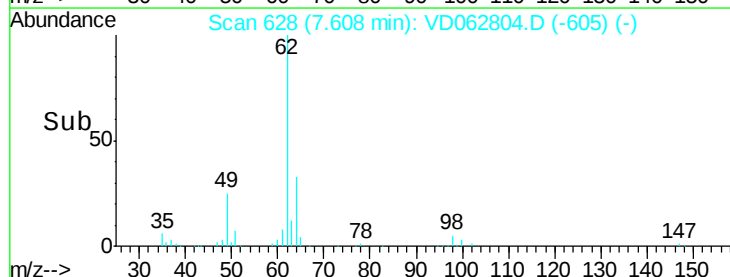
62 100

98 5.1 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



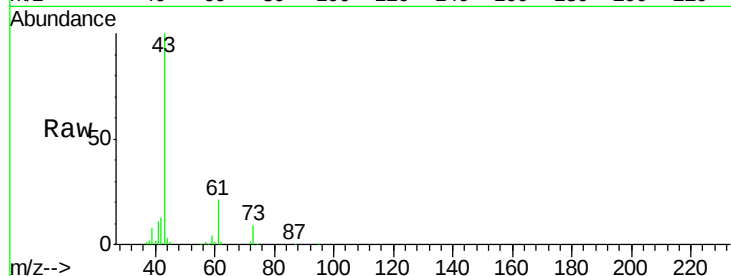


#43

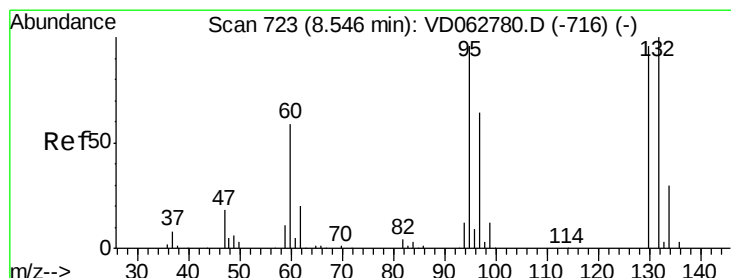
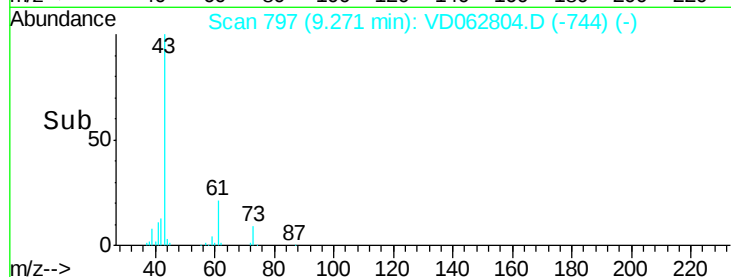
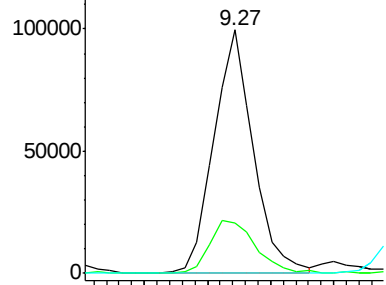
Isopropyl Acetate
 Concen: 40.621 ug/l
 RT: 9.27 min Scan# 797
 Delta R.T. 0.03 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	22.4	33.6#
87	0.4	0.3	0.5



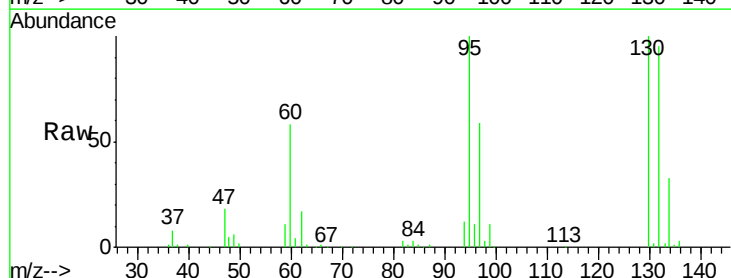
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



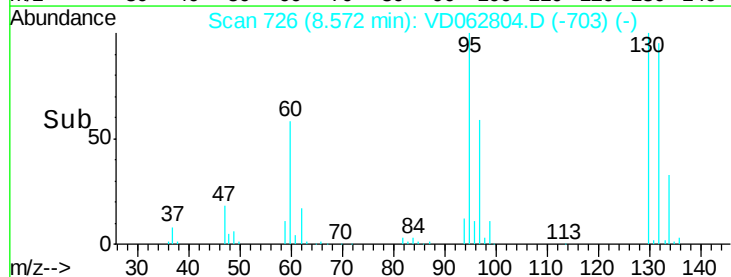
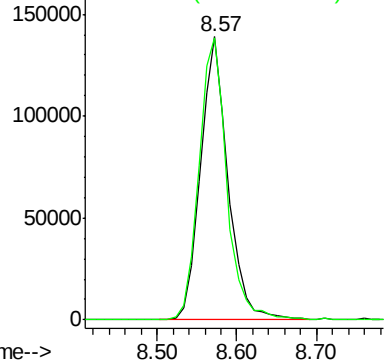
#44

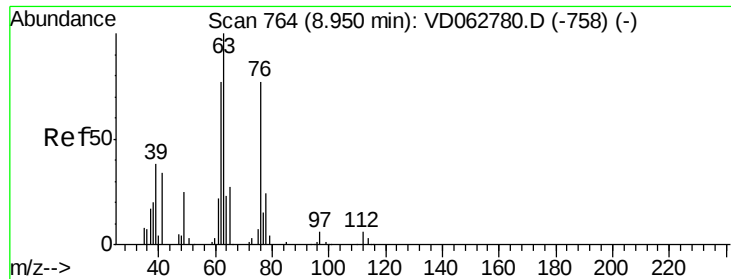
Trichloroethene
 Concen: 41.819 ug/l
 RT: 8.57 min Scan# 726
 Delta R.T. 0.03 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	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: 41.159 ug/l

RT: 8.97 min Scan# 766

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

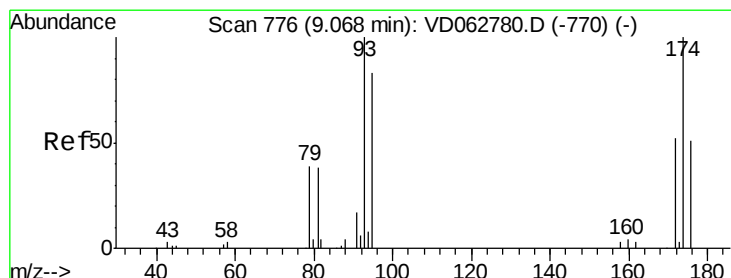
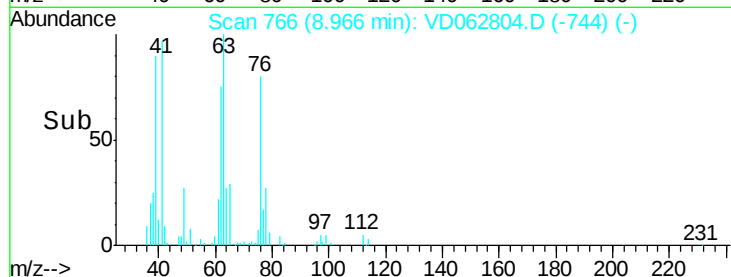
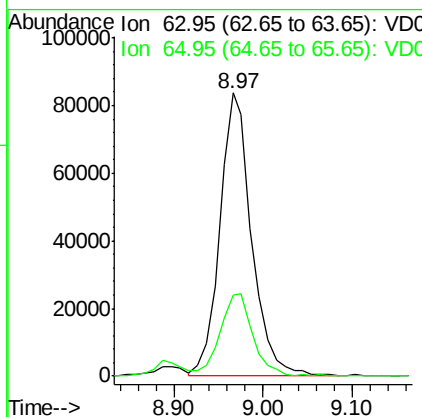
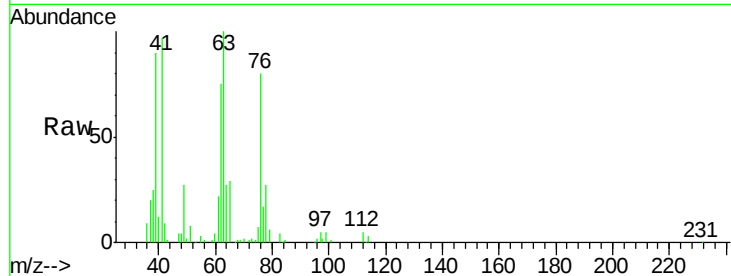
VSTDCCC050EC

Tot Ion: 63 Resp: 208650

Ion Ratio Lower Upper

63 100

65 28.9 24.2 36.2



#46

Dibromomethane

Concen: 43.399 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.03 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

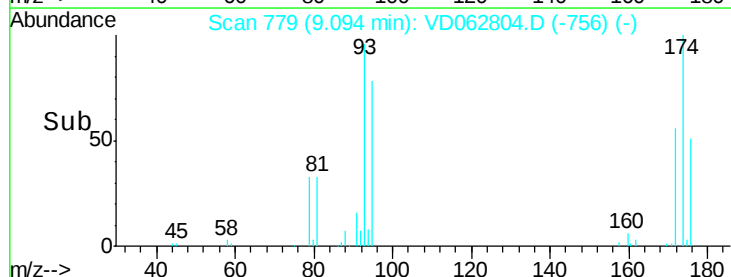
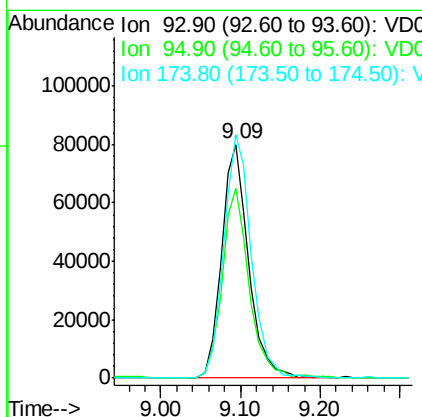
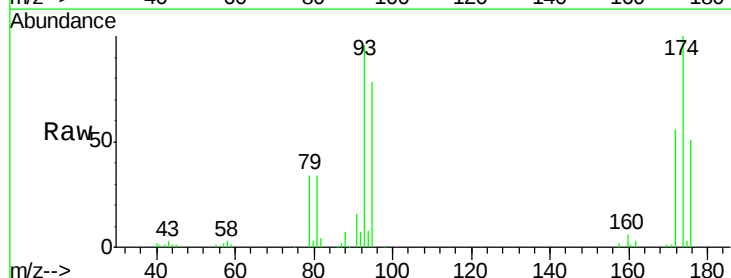
Tgt Ion: 93 Resp: 188987

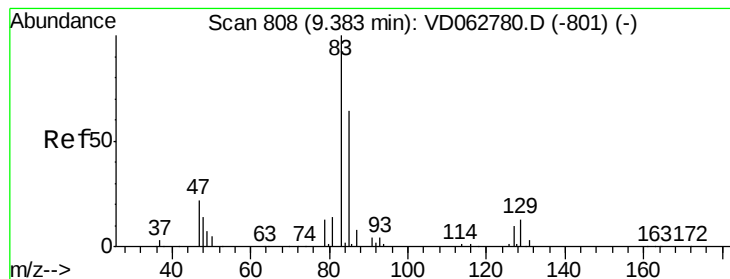
Ion Ratio Lower Upper

93 100

95 81.4 66.6 100.0

174 104.3 79.7 119.5





#47

Bromodichloromethane

Concen: 45.470 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

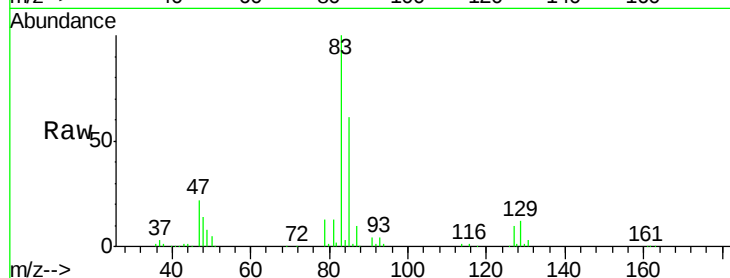
Tot Ion: 83 Resp: 514236

Ion Ratio Lower Upper

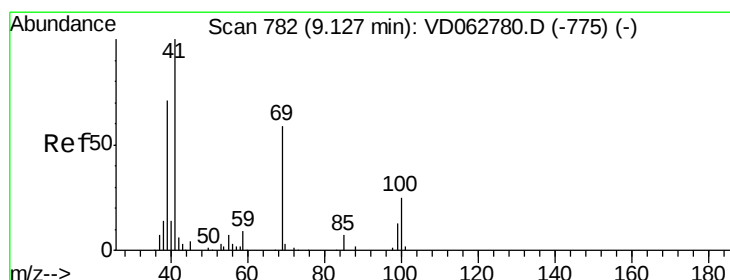
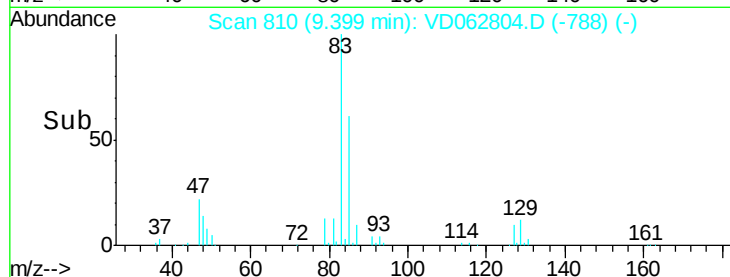
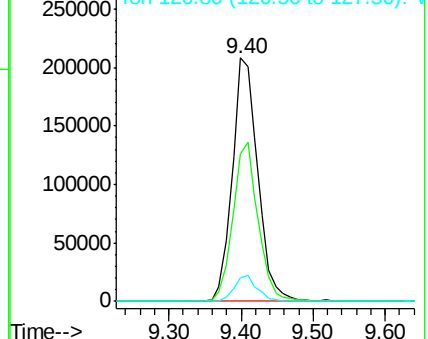
83 100

85 60.6 51.6 77.4

127 9.8 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 40.388 ug/l

RT: 9.15 min Scan# 785

Delta R.T. 0.03 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

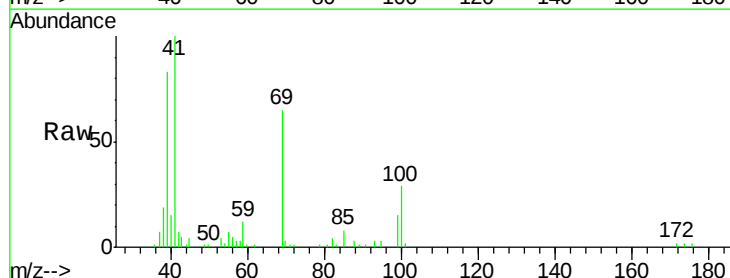
Tgt Ion: 41 Resp: 152821

Ion Ratio Lower Upper

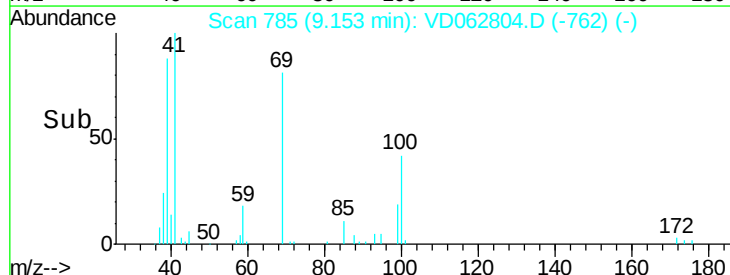
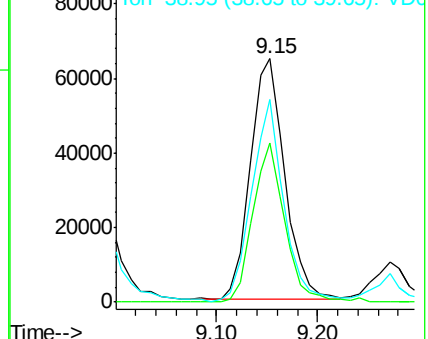
41 100

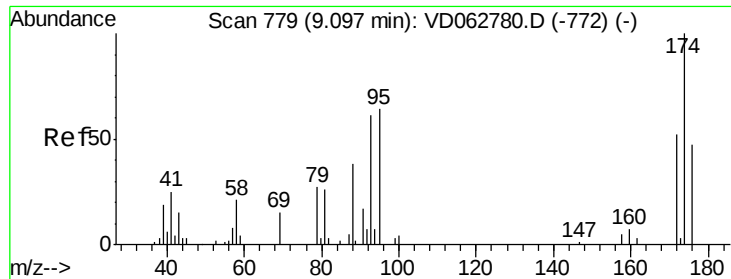
69 65.1 47.2 70.8

39 83.4 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

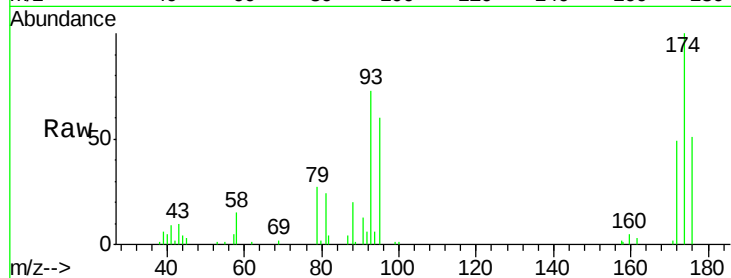




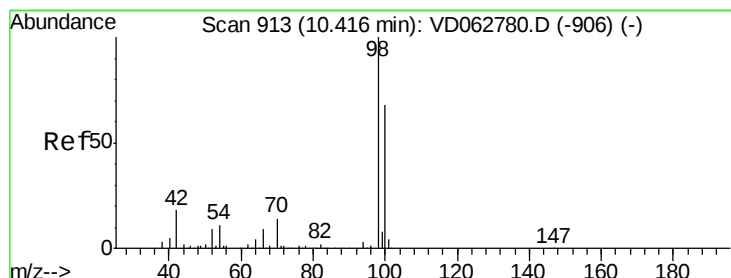
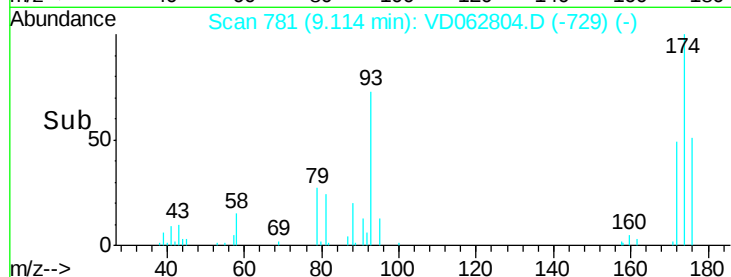
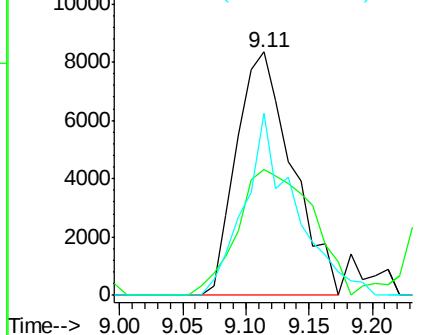
#49
1,4-Dioxane
Concen: 813.143 ug/l
RT: 9.11 min Scan# 781
Delta R.T. 0.02 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 25598
Ion Ratio Lower Upper
88 100
43 51.5 32.1 48.1#
58 75.0 44.1 66.1#

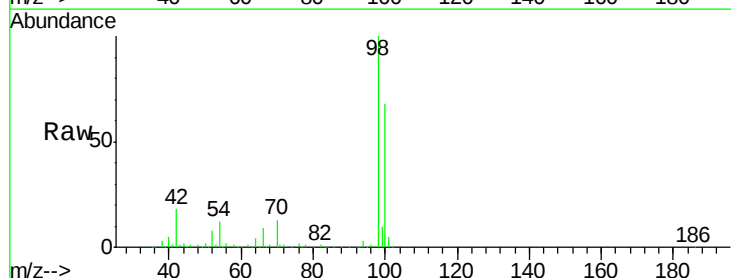


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

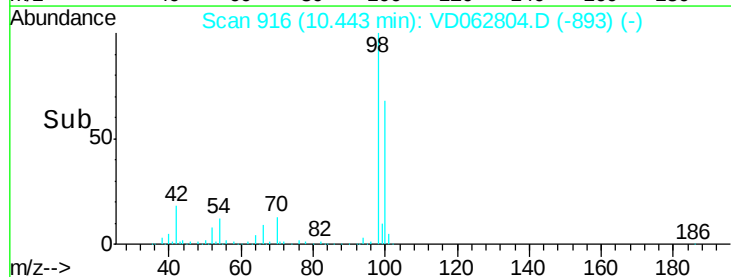
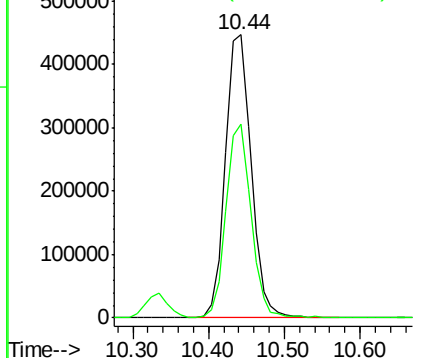


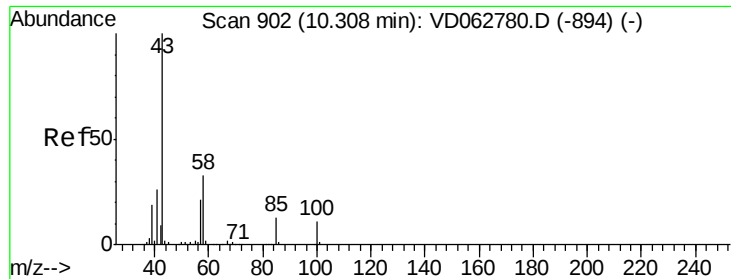
#50
Toluene-d8
Concen: 53.394 ug/l
RT: 10.44 min Scan# 916
Delta R.T. 0.03 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Tgt Ion: 98 Resp: 1051301
Ion Ratio Lower Upper
98 100
100 68.4 54.7 82.1



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

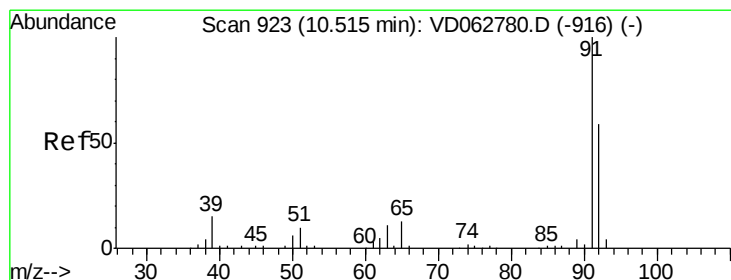
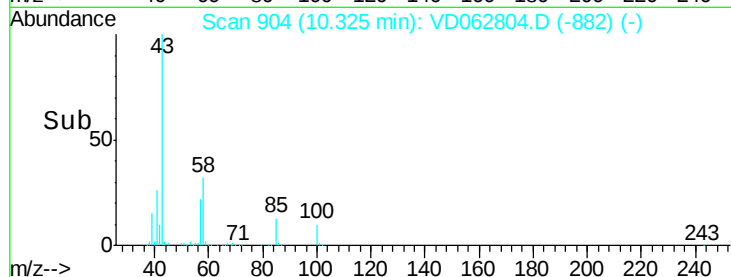
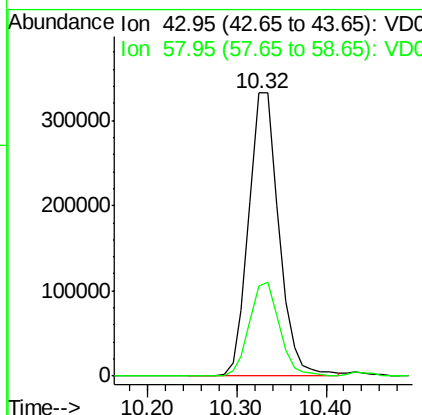
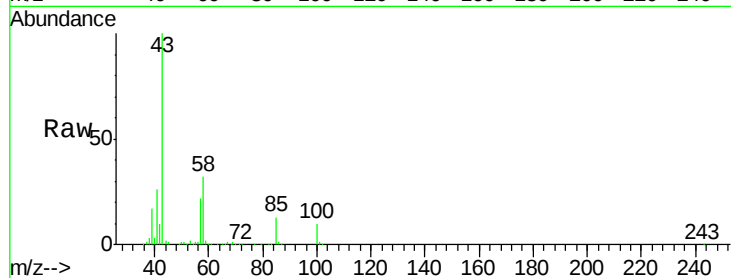




#51
 4-Methyl-2-Pentanone
 Concen: 206.454 ug/l
 RT: 10.32 min Scan# 904
 Delta R.T. 0.02 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

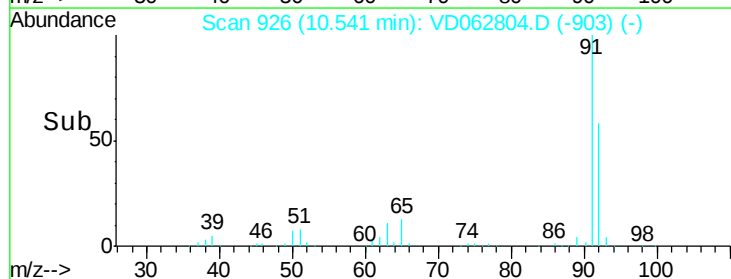
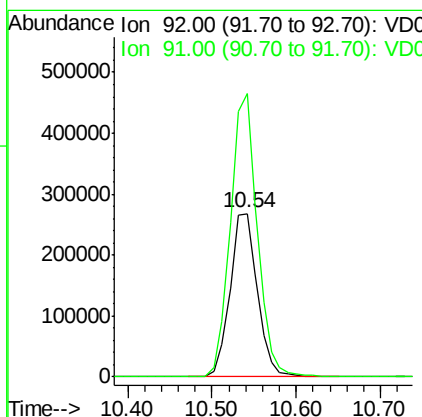
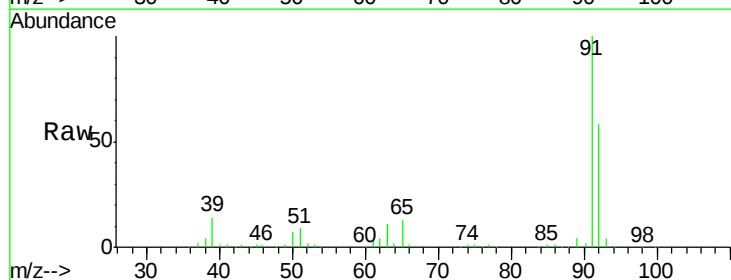
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

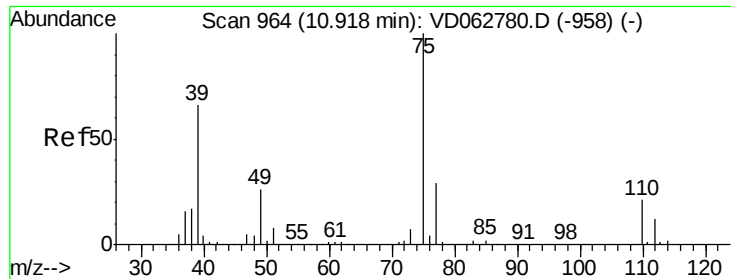
Tot Ion: 43 Resp: 779393
 Ion Ratio Lower Upper
 43 100
 58 32.0 26.6 40.0



#52
 Toluene
 Concen: 44.141 ug/l
 RT: 10.54 min Scan# 926
 Delta R.T. 0.03 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Tgt Ion: 92 Resp: 604914
 Ion Ratio Lower Upper
 92 100
 91 173.6 136.3 204.5

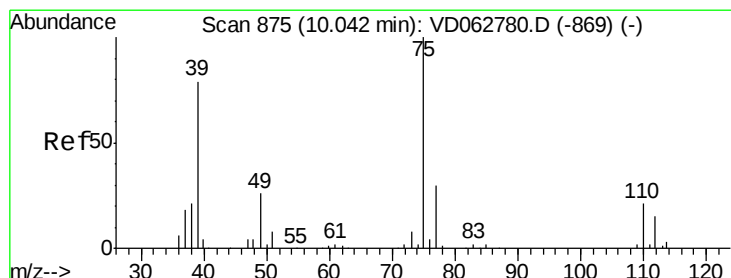
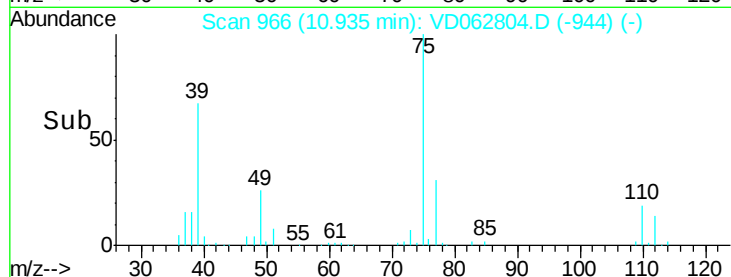
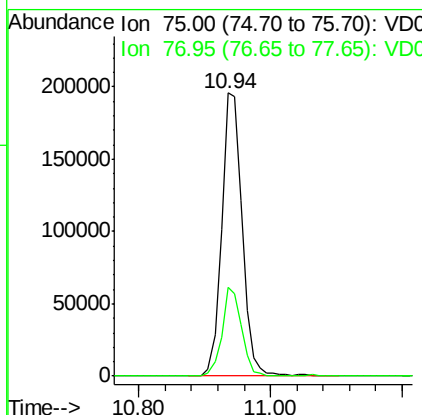
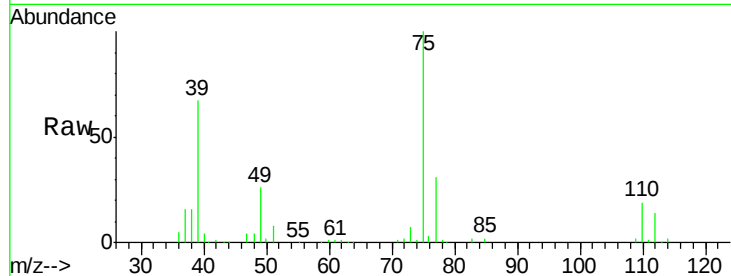




#53
t-1,3-Dichloropropene
Concen: 45.985 ug/l
RT: 10.94 min Scan# 966
Delta R.T. 0.02 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

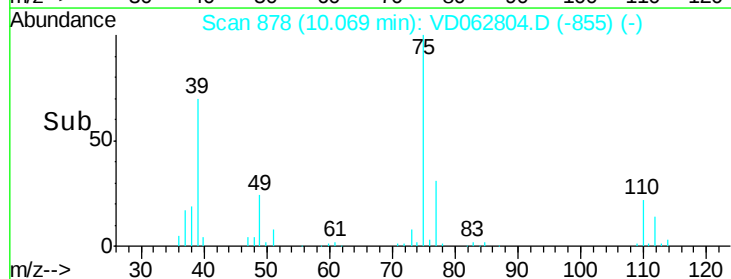
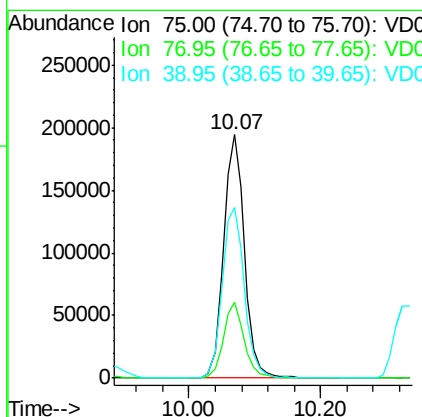
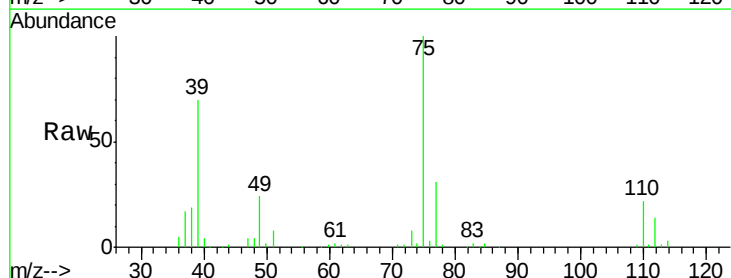
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

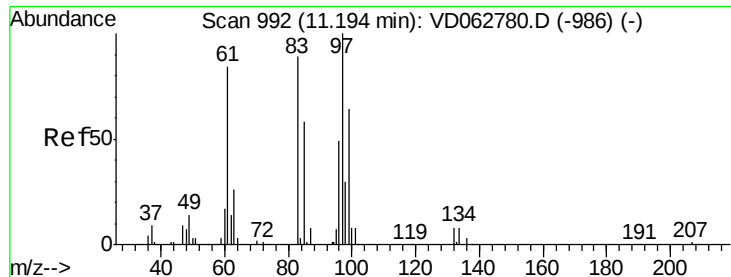
Tot Ion: 75 Resp: 425668
Ion Ratio Lower Upper
75 100
77 31.3 23.2 34.8



#54
cis-1,3-Dichloropropene
Concen: 42.540 ug/l
RT: 10.07 min Scan# 878
Delta R.T. 0.03 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Tgt Ion: 75 Resp: 428007
Ion Ratio Lower Upper
75 100
77 31.1 24.2 36.2
39 70.1 63.5 95.3

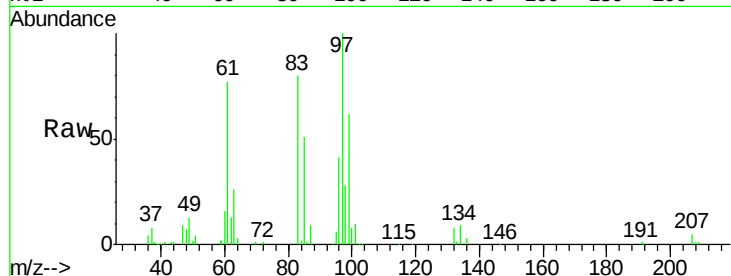




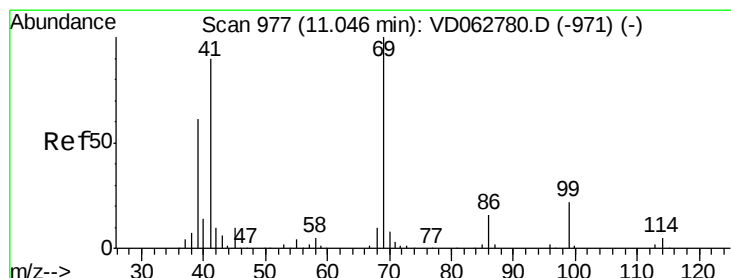
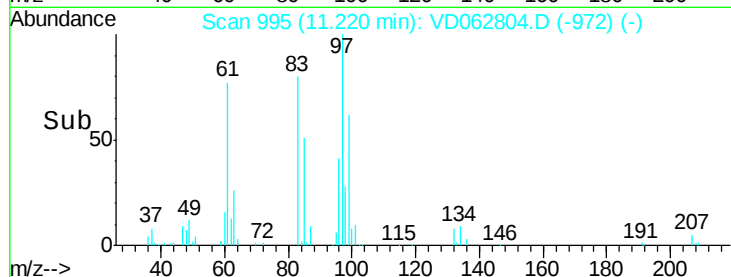
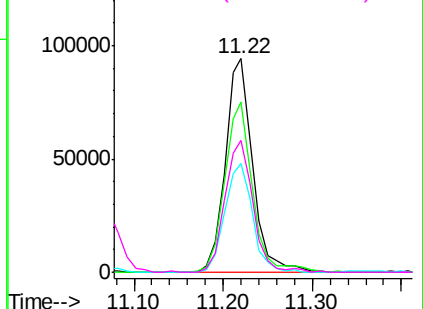
#55
 1,1,2-Trichloroethane
 Concen: 43.267 ug/l
 RT: 11.22 min Scan# 995
 Delta R.T. 0.03 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	203711
Ion	Ratio	Lower	Upper
97	100		
83	79.9	71.0	106.4
85	51.2	46.6	69.8
99	61.6	51.4	77.0

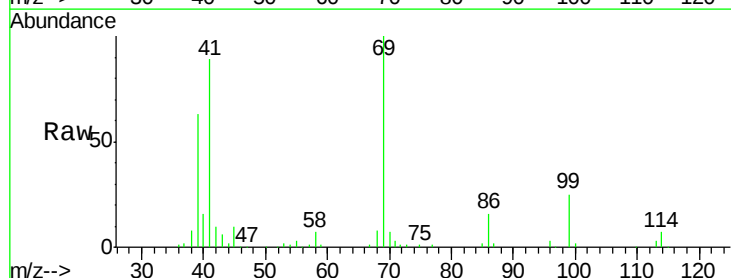


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

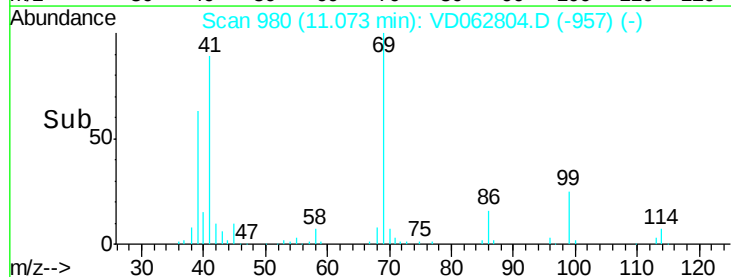
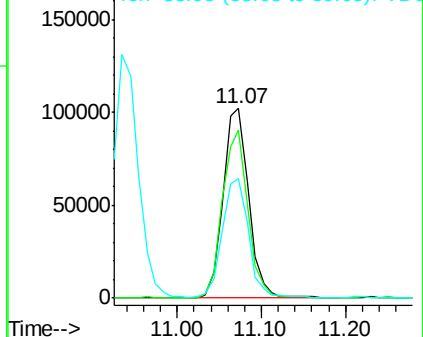


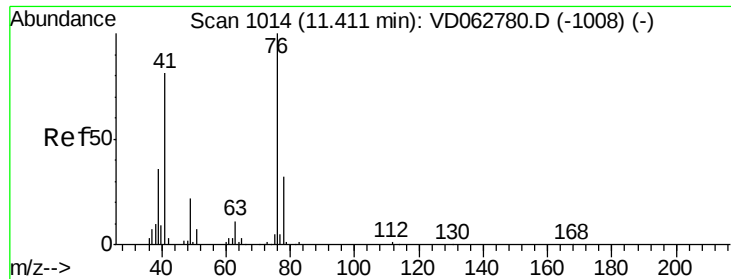
#56
 Ethyl methacrylate
 Concen: 42.649 ug/l
 RT: 11.07 min Scan# 980
 Delta R.T. 0.03 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Tgt Ion:	69	Resp:	214593
Ion	Ratio	Lower	Upper
69	100		
41	88.7	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

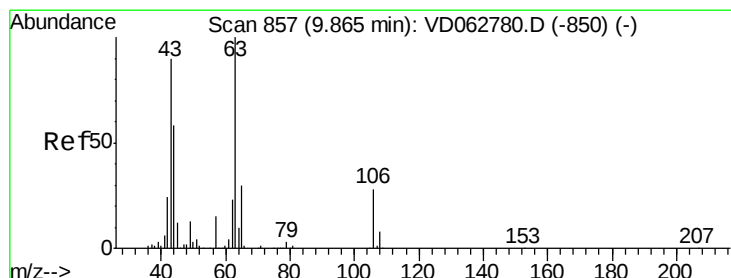
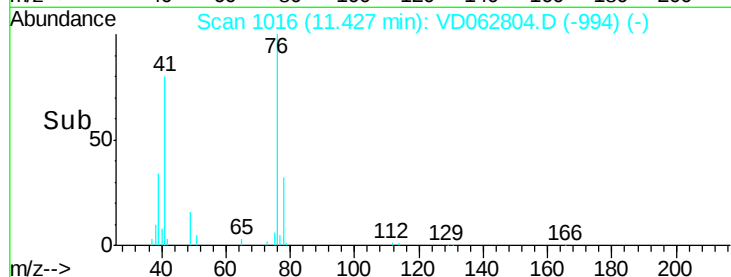
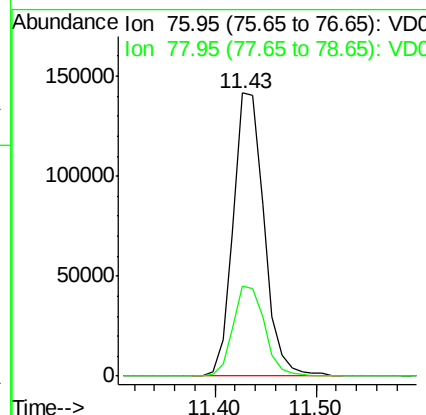
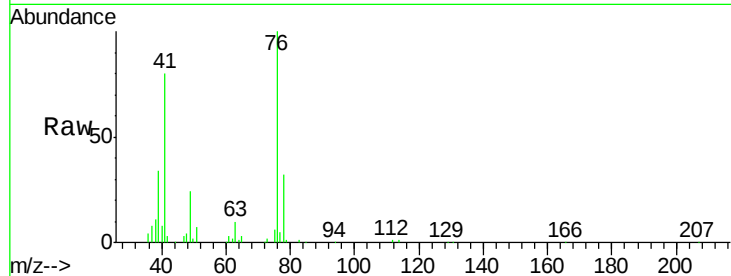




#57
 1,3-Dichloropropane
 Concen: 41.610 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

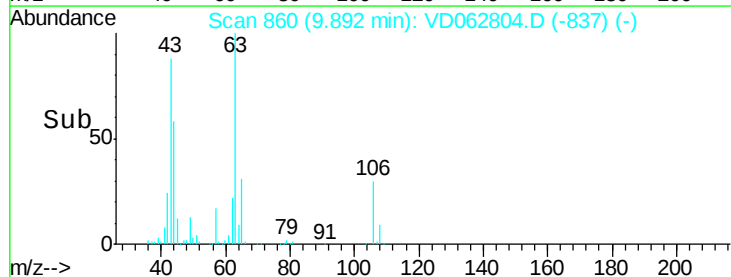
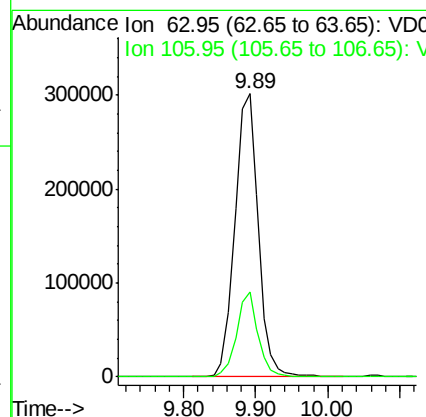
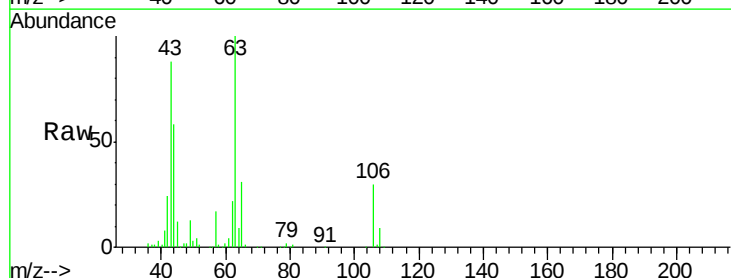
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

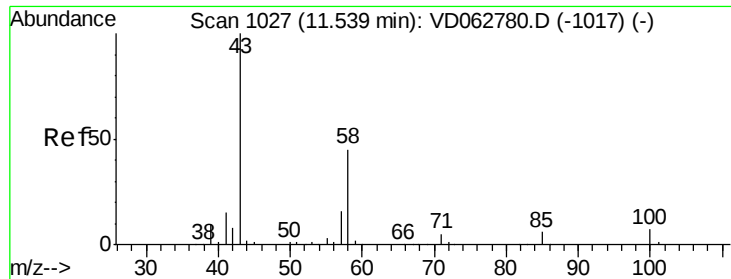
Tot Ion: 76 Resp: 299968
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.651 ug/l
 RT: 9.89 min Scan# 860
 Delta R.T. 0.03 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Tgt Ion: 63 Resp: 681052
 Ion Ratio Lower Upper
 63 100
 106 30.2 22.1 33.1

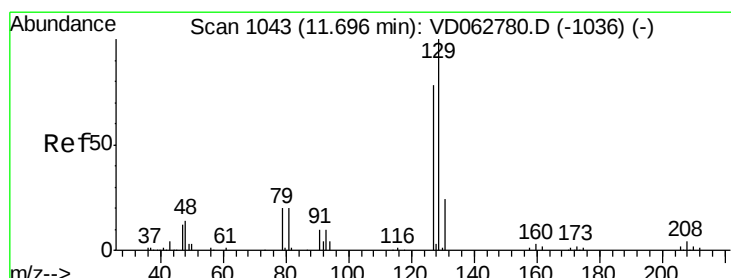
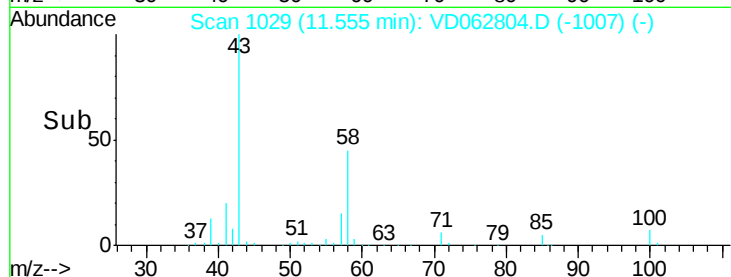
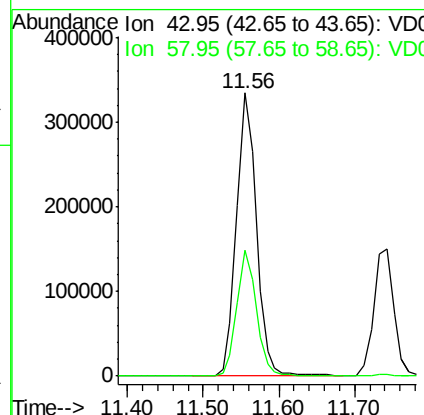
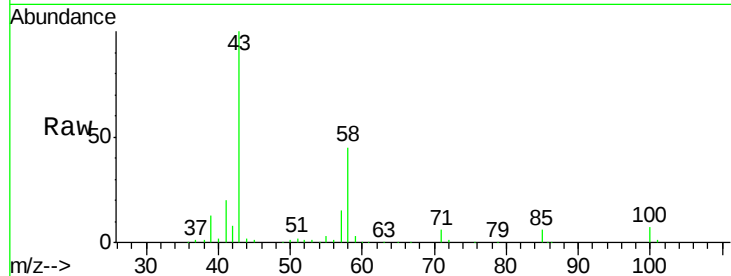




#59
2-Hexanone
Concen: 226.463 ug/l
RT: 11.56 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

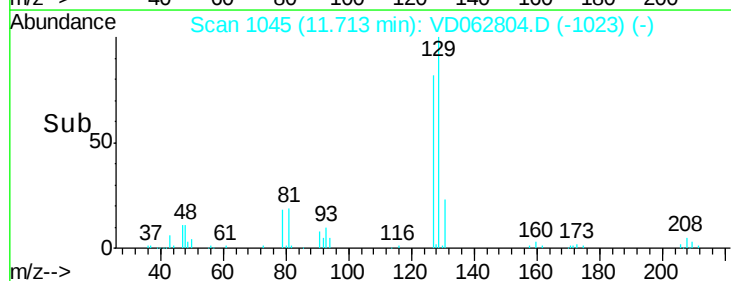
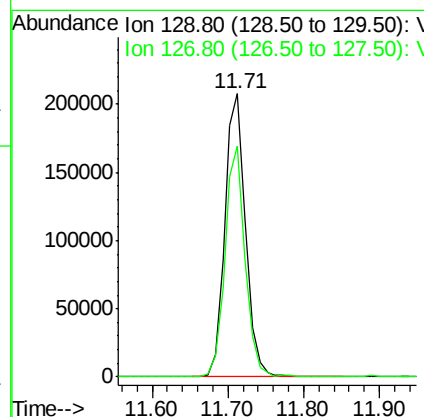
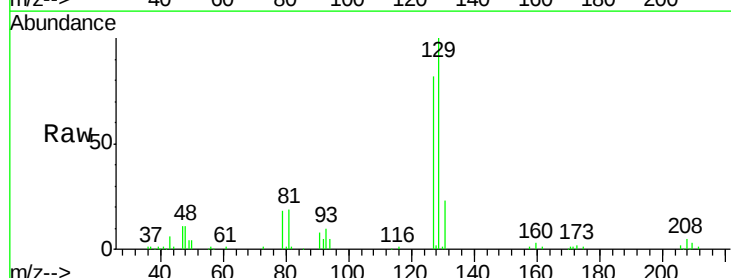
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

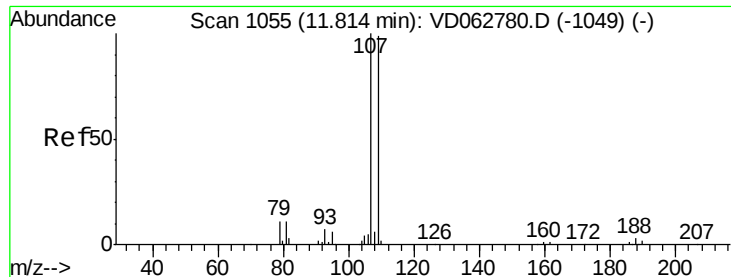
Tot Ion: 43 Resp: 608871
Ion Ratio Lower Upper
43 100
58 44.7 22.4 67.2



#60
Dibromochloromethane
Concen: 44.842 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Tgt Ion: 129 Resp: 393249
Ion Ratio Lower Upper
129 100
127 81.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 45.816 ug/l

RT: 11.83 min Scan# 1057

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

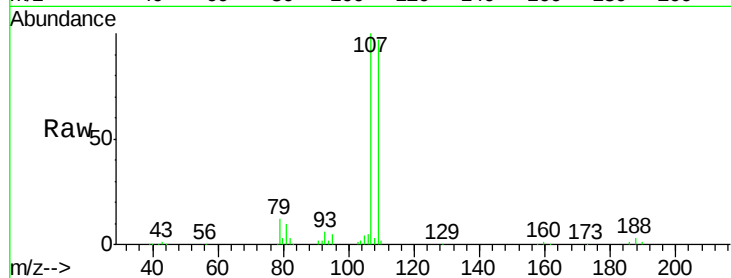
VSTDCCC050EC

Tot Ion:107 Resp: 254768

Ion Ratio Lower Upper

107 100

109 96.6 79.3 118.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.83

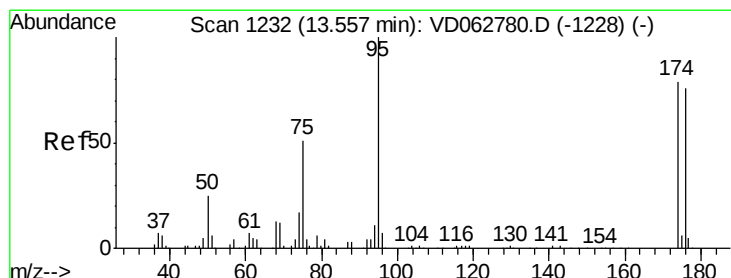
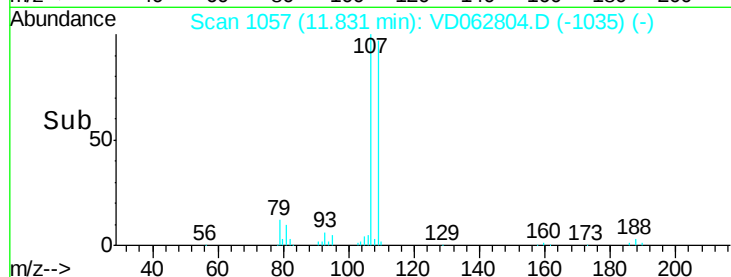
150000

100000

50000

0

Time--> 11.70 11.80 11.90 12.00



#62

4-Bromofluorobenzene

Concen: 54.953 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

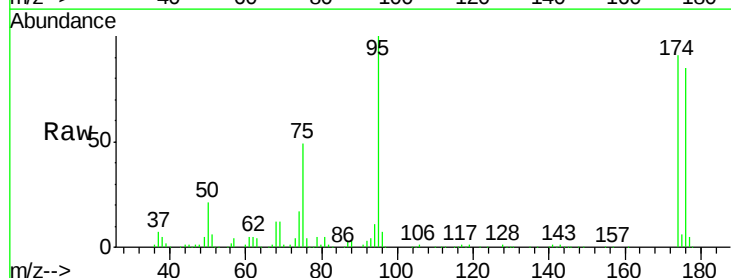
Tgt Ion: 95 Resp: 491992

Ion Ratio Lower Upper

95 100

174 90.6 0.0 158.0

176 84.8 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.57

500000

400000

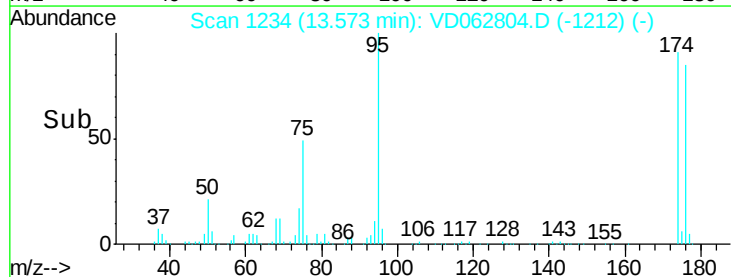
300000

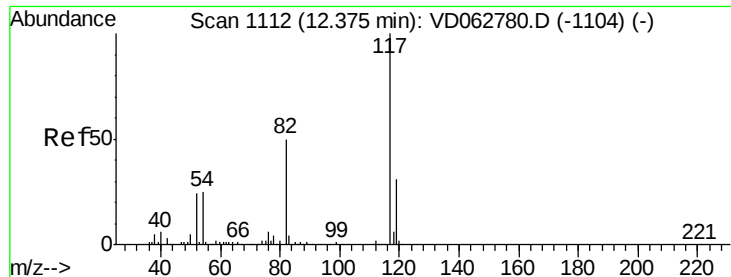
200000

100000

0

Time--> 13.50 13.60 13.70

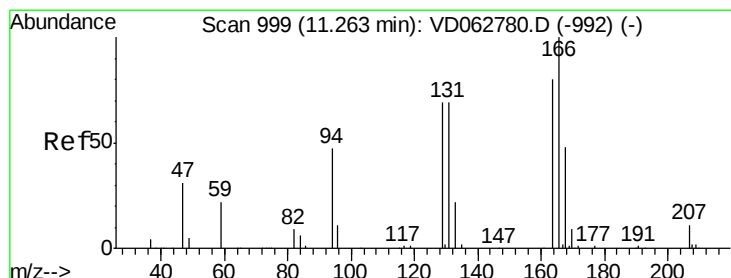
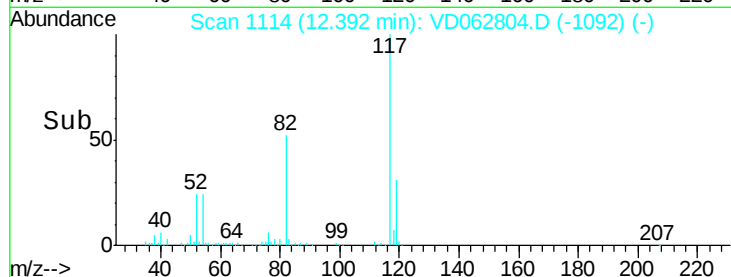
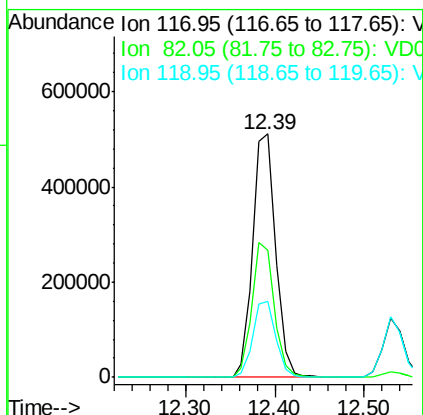
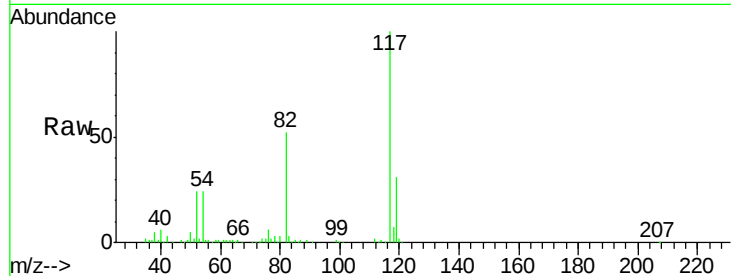




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

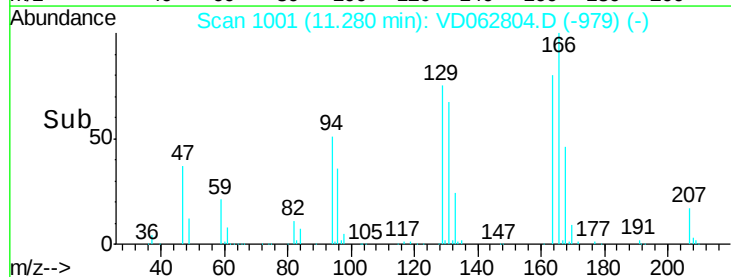
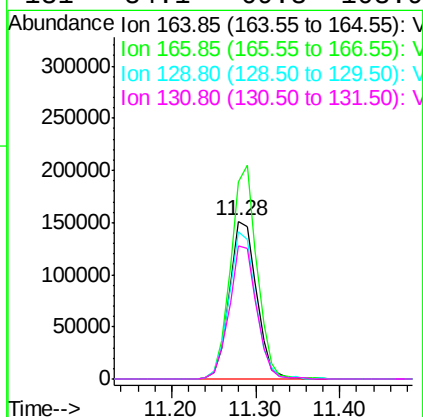
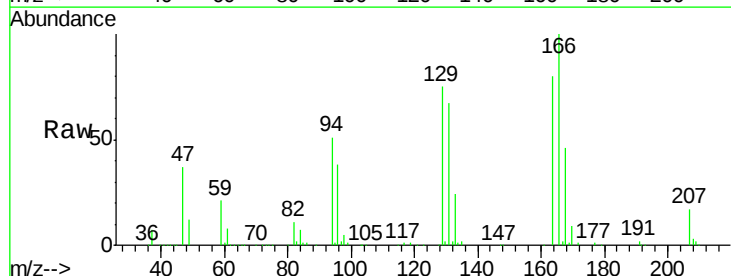
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

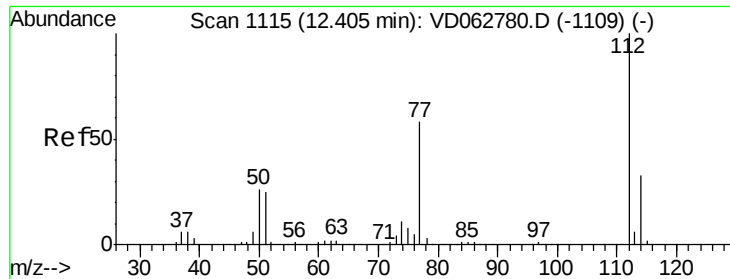
Tot Ion:117 Resp: 903523
Ion Ratio Lower Upper
117 100
82 52.3 40.4 60.6
119 31.4 25.2 37.8



#64
Tetrachloroethene
Concen: 45.497 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Tgt Ion:164 Resp: 338323
Ion Ratio Lower Upper
164 100
166 125.2 100.6 150.8
129 93.5 69.4 104.0
131 84.1 69.3 103.9

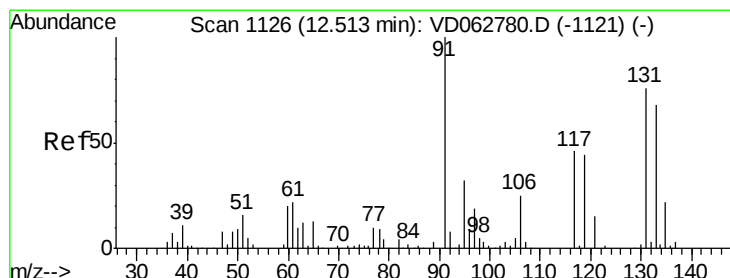
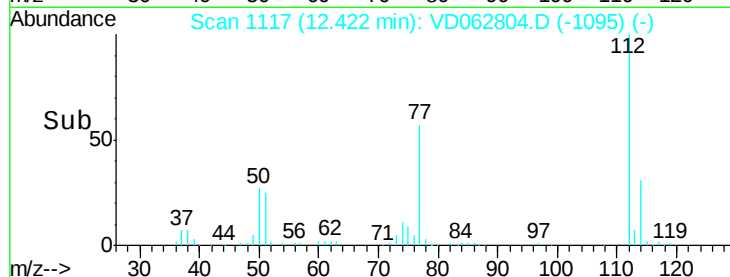
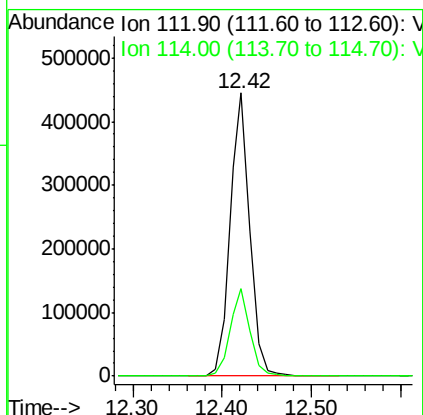
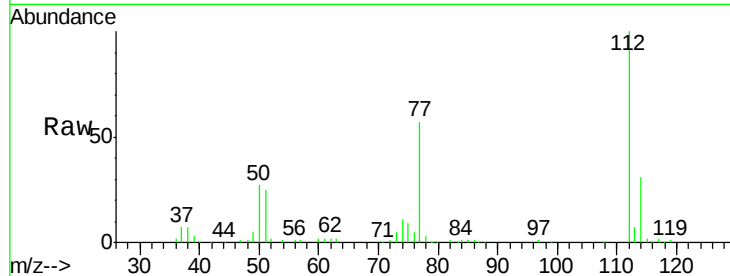




#65
Chlorobenzene
Concen: 41.348 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

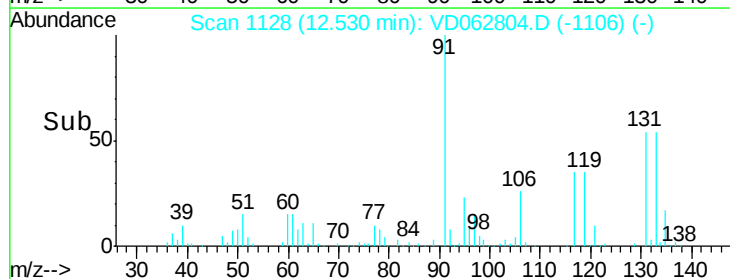
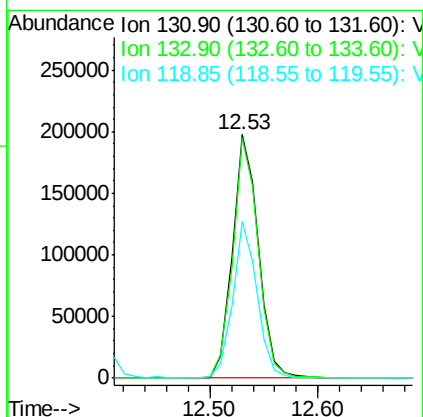
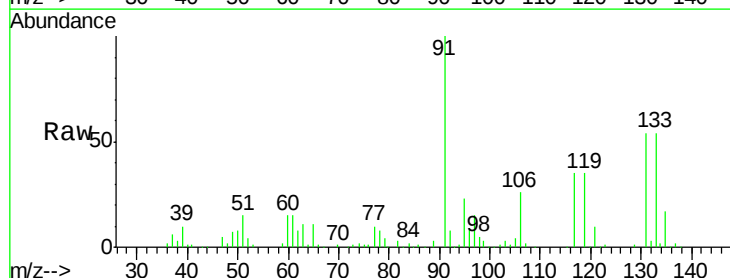
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 693340
Ion Ratio Lower Upper
112 100
114 31.0 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 41.769 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Tgt Ion:131 Resp: 327546
Ion Ratio Lower Upper
131 100
133 98.6 44.5 133.3
119 64.5 28.6 85.9

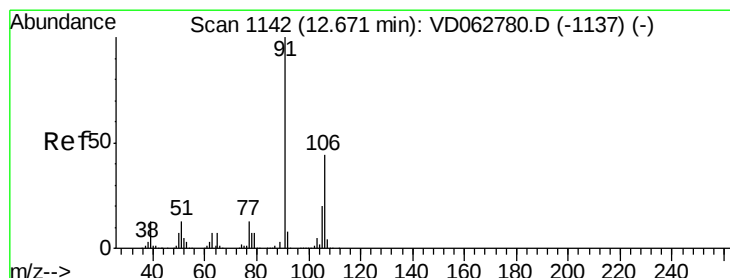
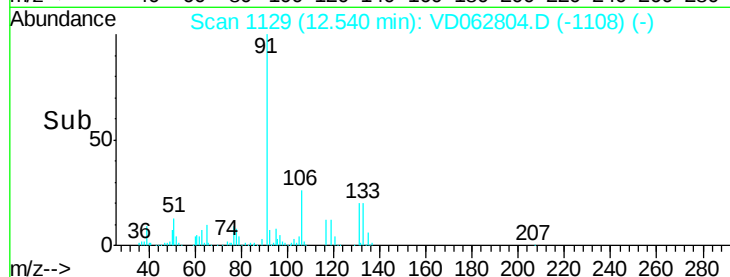
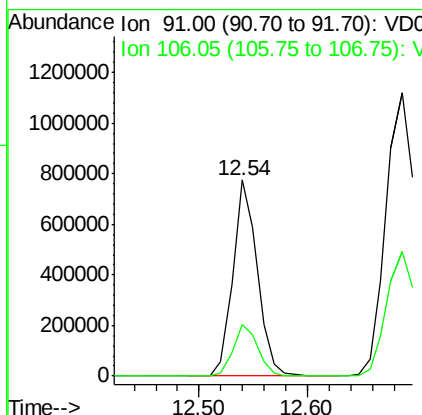
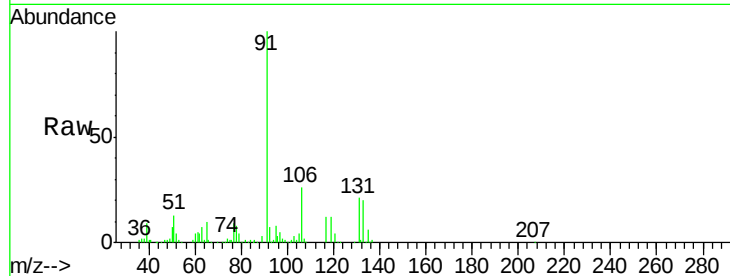




#67
Ethyl Benzene
Concen: 40.498 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

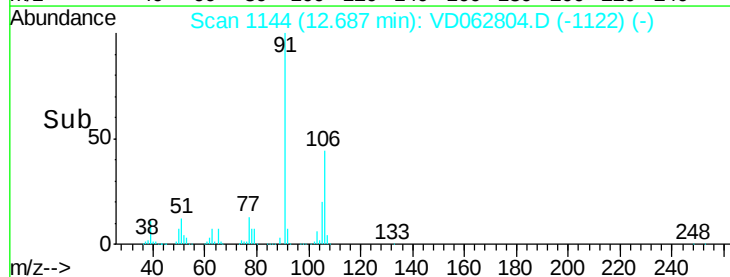
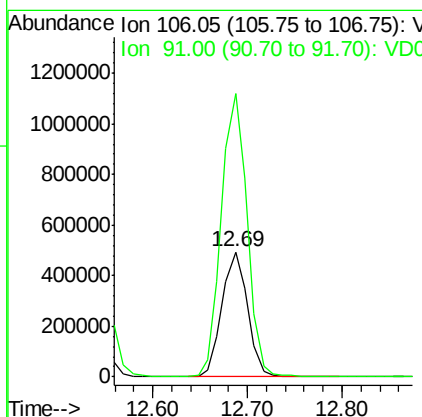
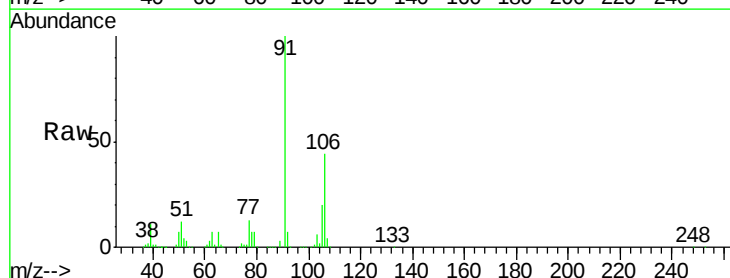
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1219216
Ion Ratio Lower Upper
91 100
106 26.1 23.1 34.7



#68
m/p-Xylenes
Concen: 88.231 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Tgt Ion: 106 Resp: 925152
Ion Ratio Lower Upper
106 100
91 226.3 183.0 274.6

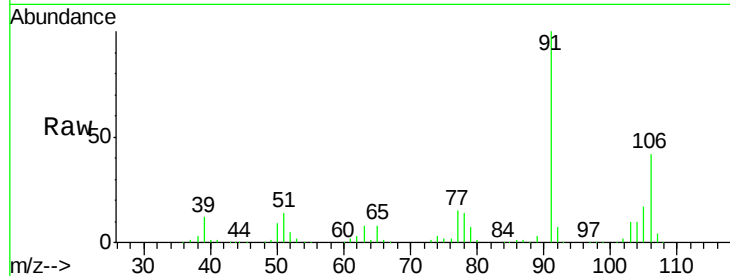




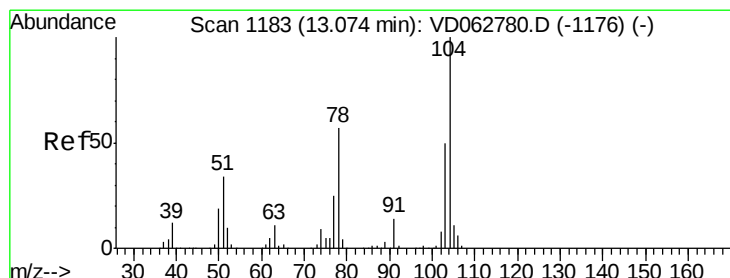
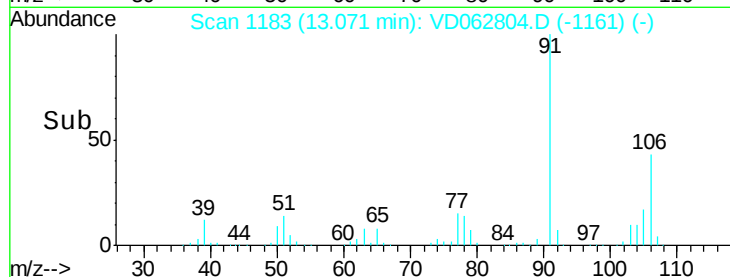
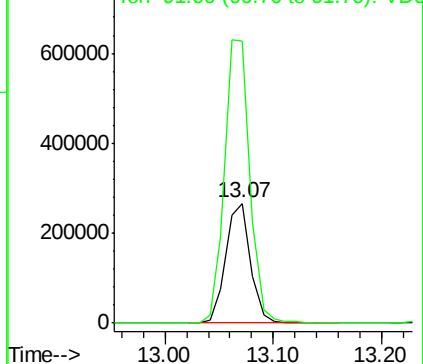
#69
o-Xylene
Concen: 43.978 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 421549
Ion Ratio Lower Upper
106 100
91 235.4 117.9 353.6

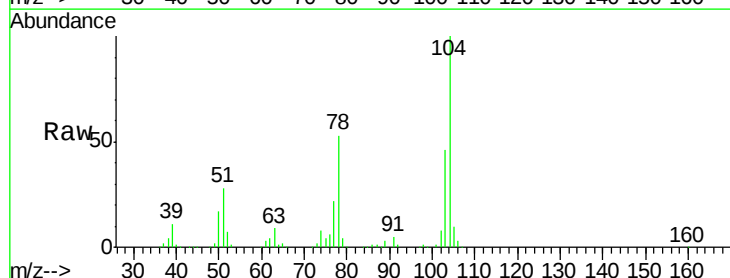


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

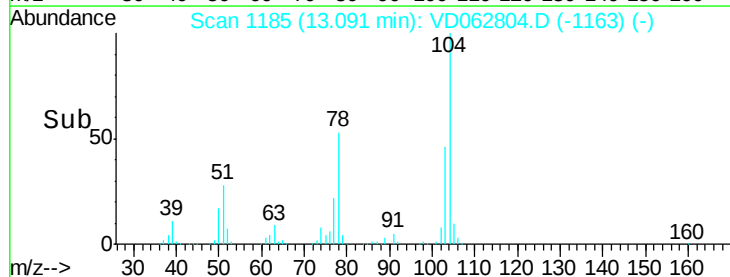
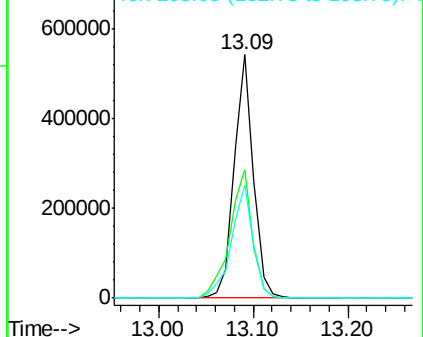


#70
Styrene
Concen: 45.392 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Tgt Ion:104 Resp: 764235
Ion Ratio Lower Upper
104 100
78 52.6 45.4 68.2
103 46.4 39.7 59.5



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





#71

Bromoform

Concen: 45.877 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

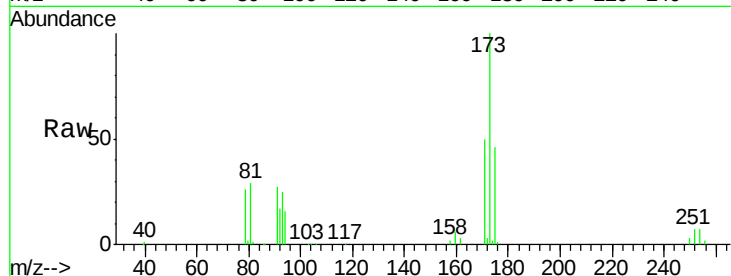
Tot Ion:173 Resp: 246486

Ion Ratio Lower Upper

173 100

175 46.0 25.3 75.9

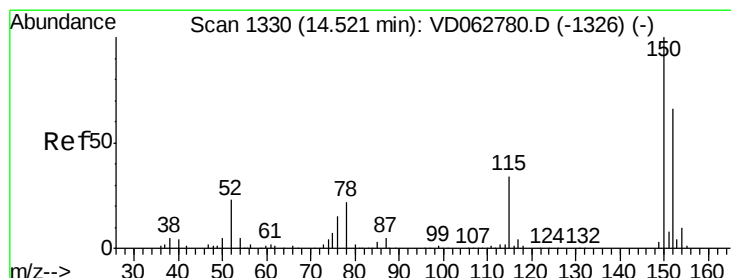
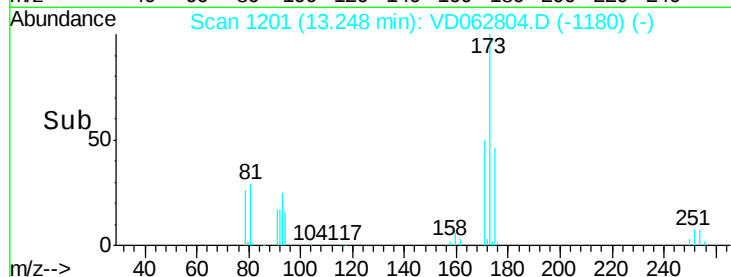
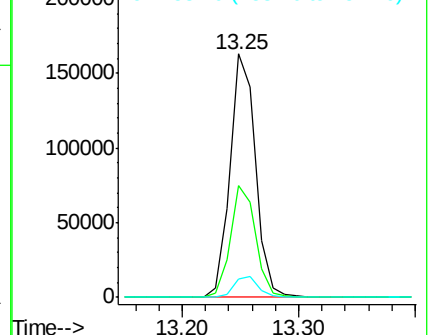
254 7.5 7.1 10.7



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: 14.54 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

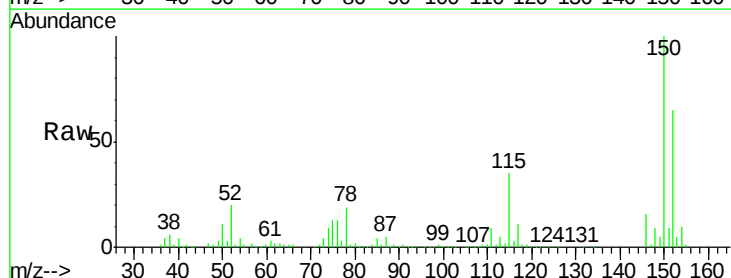
Tgt Ion:152 Resp: 520840

Ion Ratio Lower Upper

152 100

115 53.3 29.2 87.6

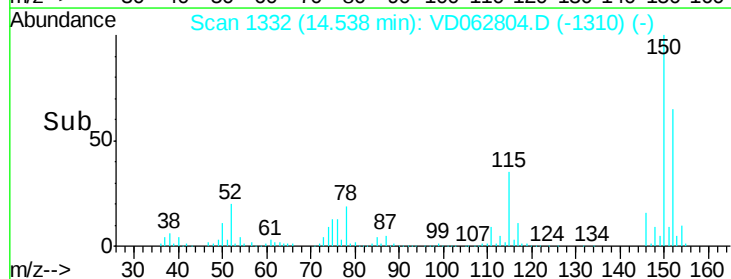
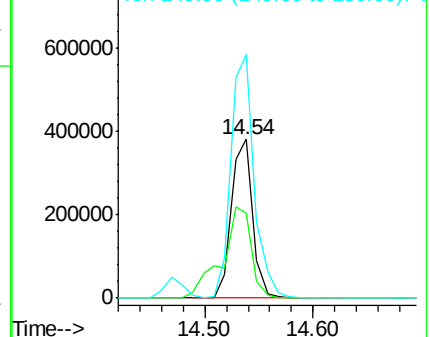
150 153.5 0.0 305.8

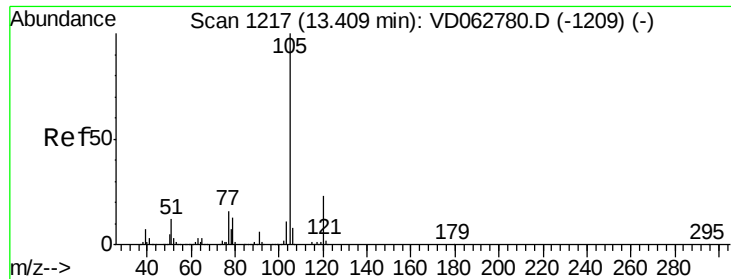


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 38.205 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

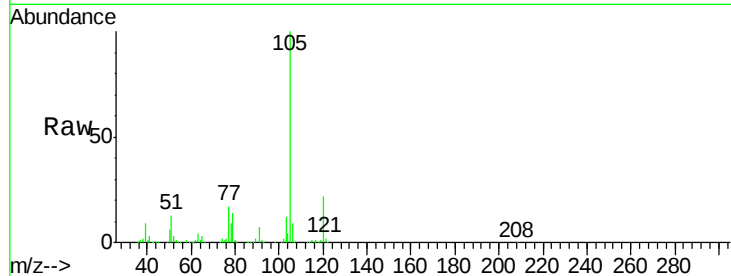
VSTDCCC050EC

Tot Ion:105 Resp: 1275851

Ion Ratio Lower Upper

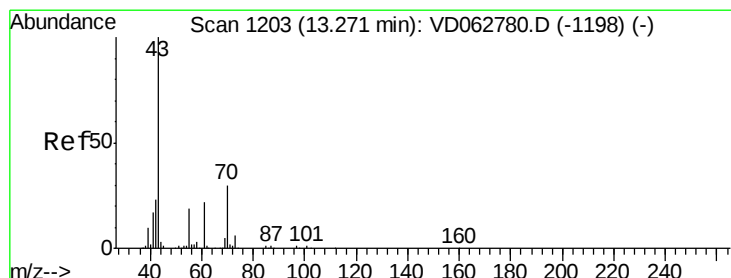
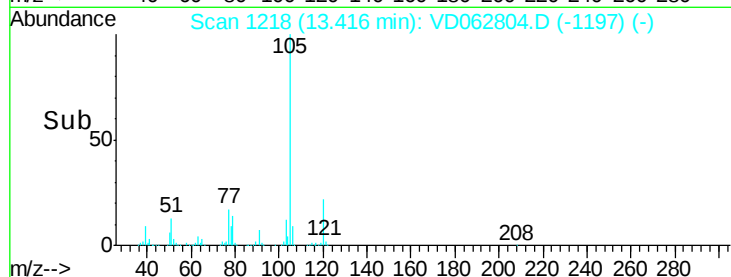
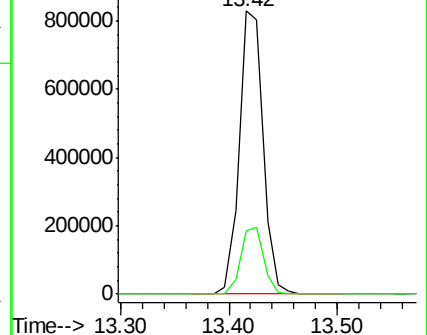
105 100

120 22.4 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: 40.568 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Tgt Ion: 43 Resp: 329008

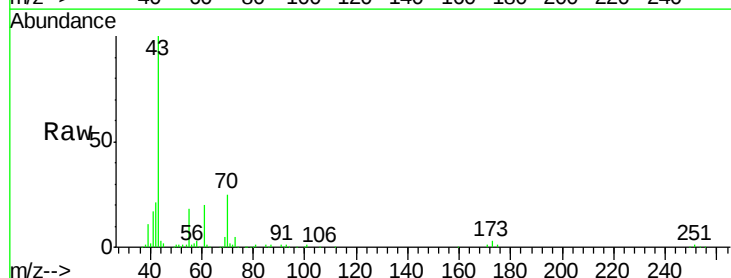
Ion Ratio Lower Upper

43 100

70 24.8 24.4 36.6

55 18.0 15.2 22.8

61 20.1 17.4 26.2

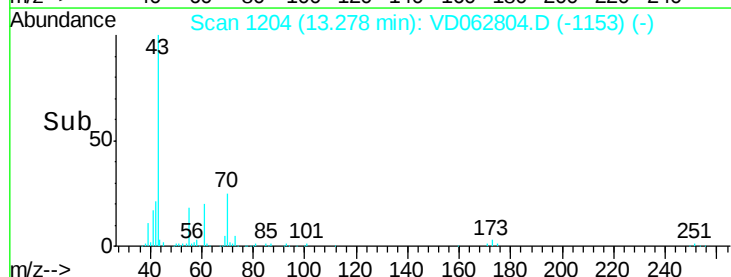
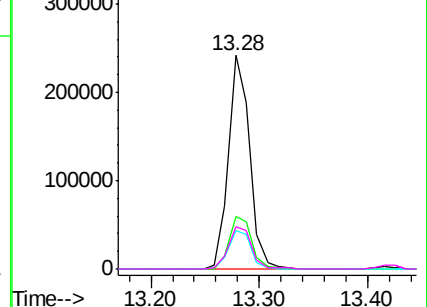


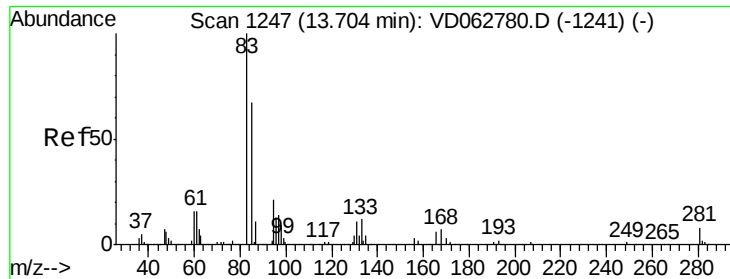
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 39.567 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

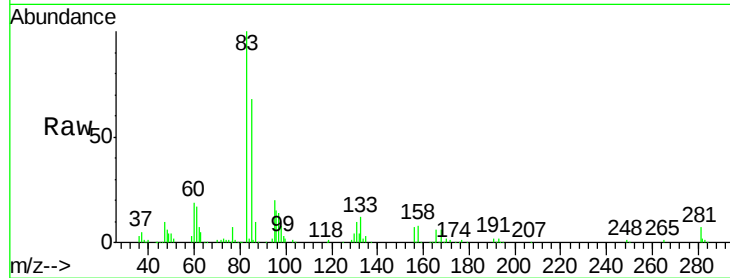
Tot Ion: 83 Resp: 215294

Ion Ratio Lower Upper

83 100

131 10.2 5.3 16.1

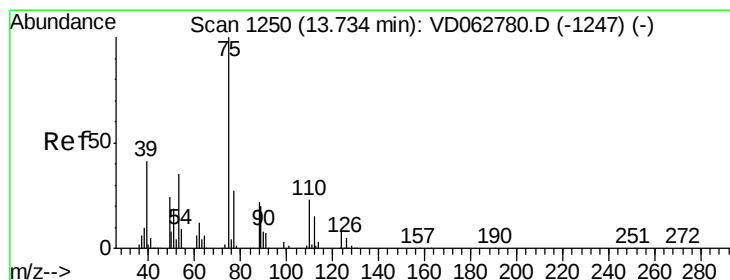
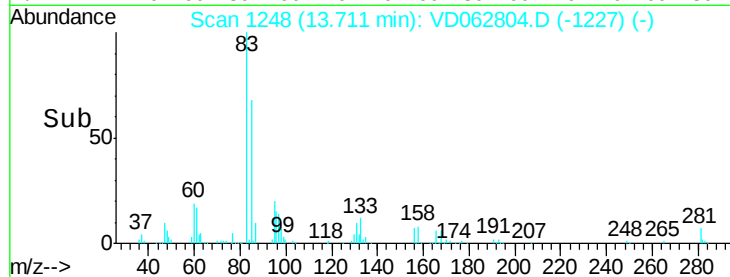
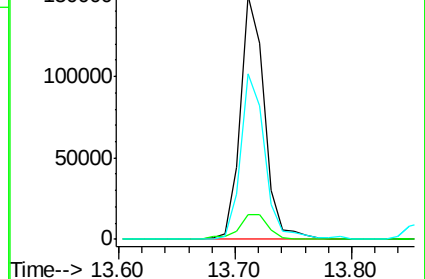
85 68.2 33.7 101.1



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: 40.286 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062804.D

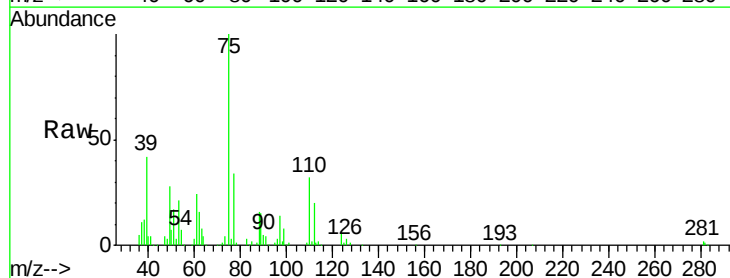
Acq: 20 Jun 2019 19:53

Tgt Ion: 75 Resp: 242227

Ion Ratio Lower Upper

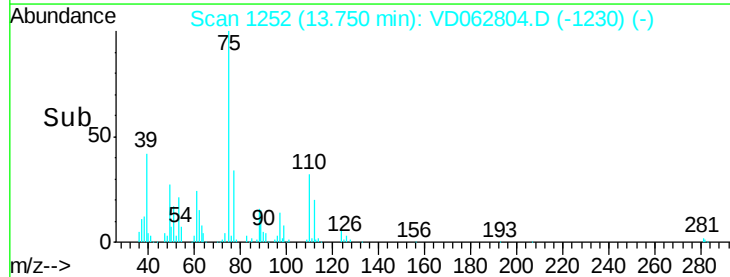
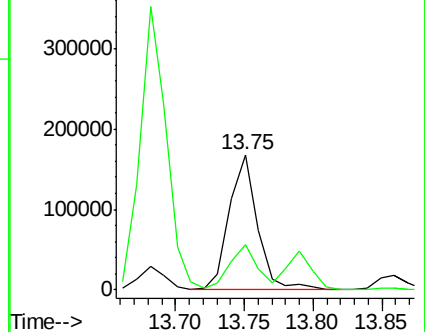
75 100

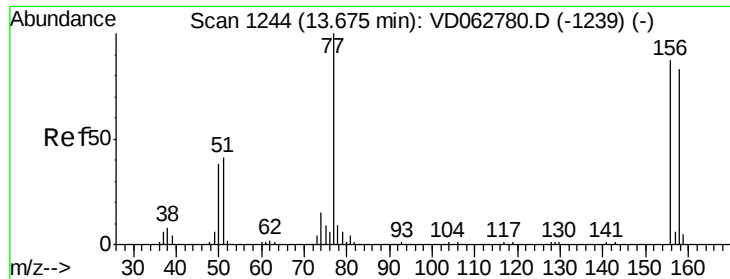
77 33.9 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 40.899 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

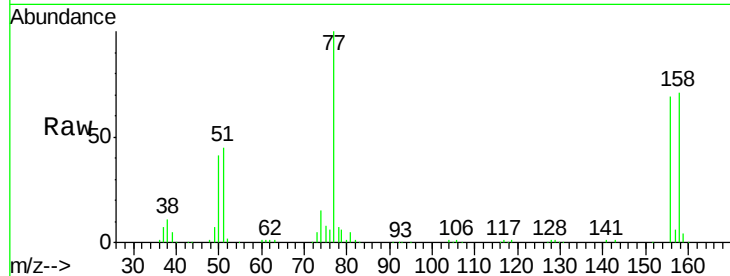
Tot Ion:156 Resp: 367371

Ion Ratio Lower Upper

156 100

77 144.9 57.7 173.1

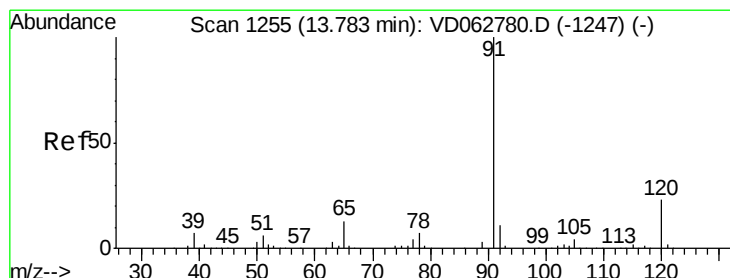
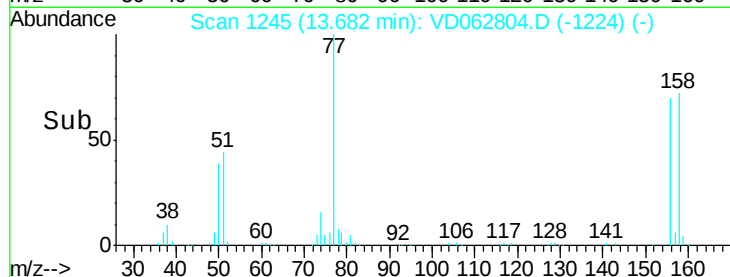
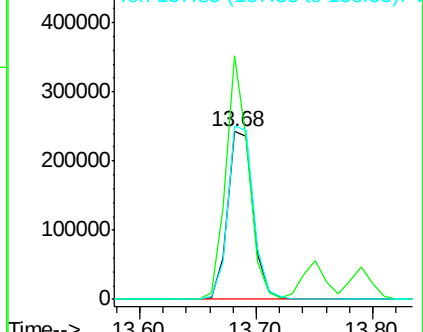
158 102.7 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 38.035 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD062804.D

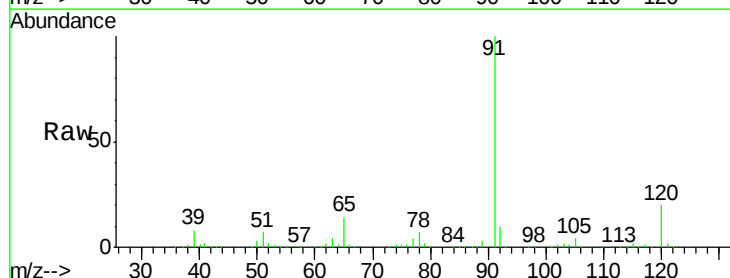
Acq: 20 Jun 2019 19:53

Tgt Ion: 91 Resp: 1478380

Ion Ratio Lower Upper

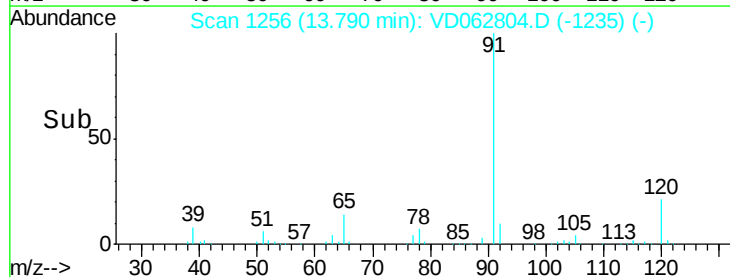
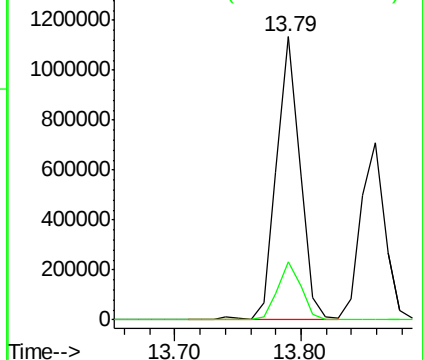
91 100

120 20.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

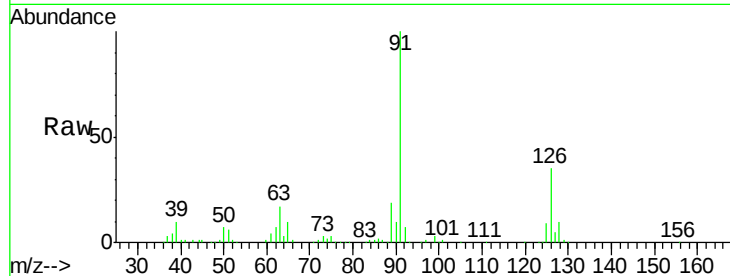




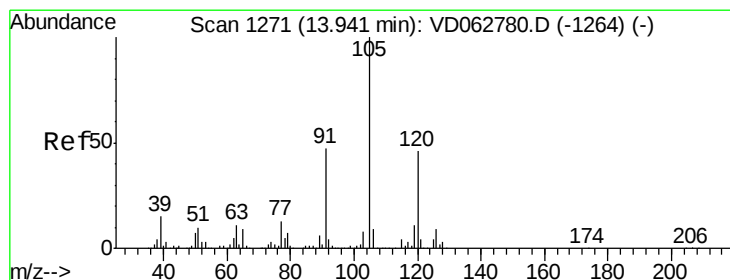
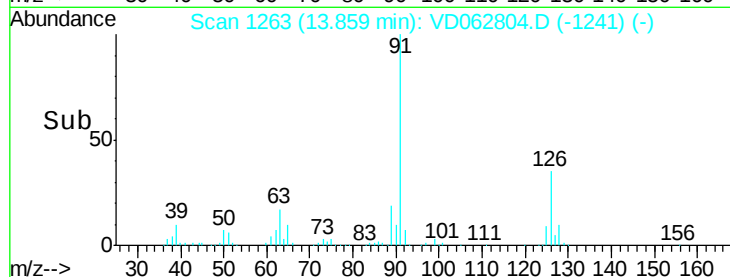
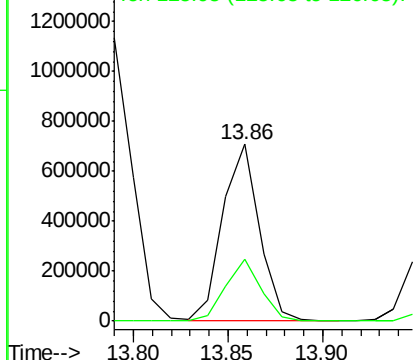
#79
2-Chlorotoluene
Concen: 42.432 ug/l
RT: 13.86 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 942543
Ion Ratio Lower Upper
91 100
126 35.1 15.7 47.1

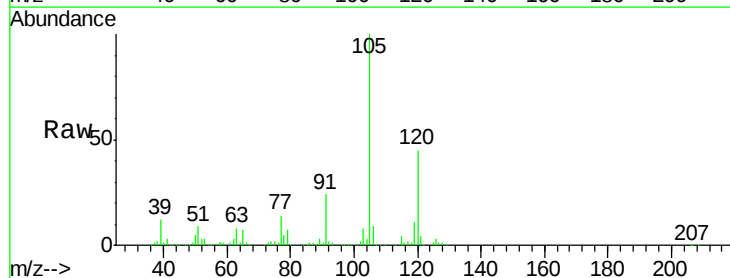


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

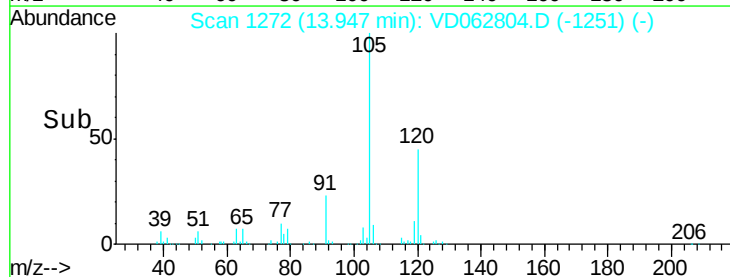
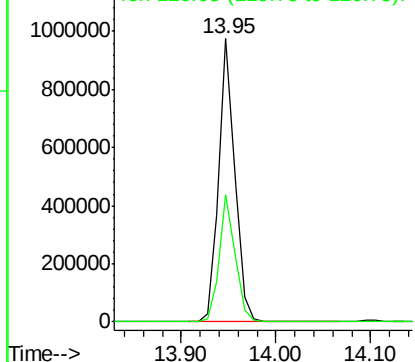


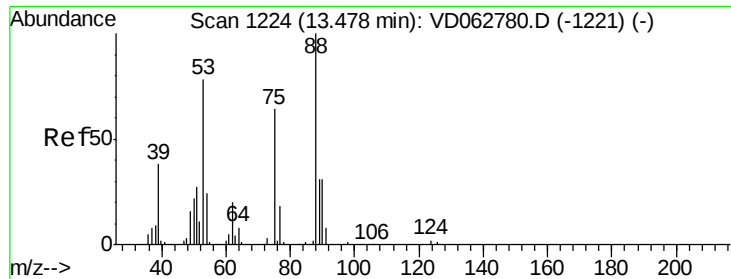
#80
1,3,5-Trimethylbenzene
Concen: 40.985 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD062804.D
Acq: 20 Jun 2019 19:53

Tgt Ion:105 Resp: 1149654
Ion Ratio Lower Upper
105 100
120 44.8 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: 38.858 ug/l

RT: 13.49 min Scan# 1226

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

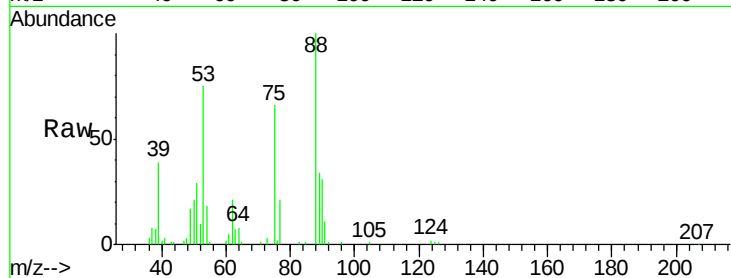
Tot Ion: 75 Resp: 61234

Ion Ratio Lower Upper

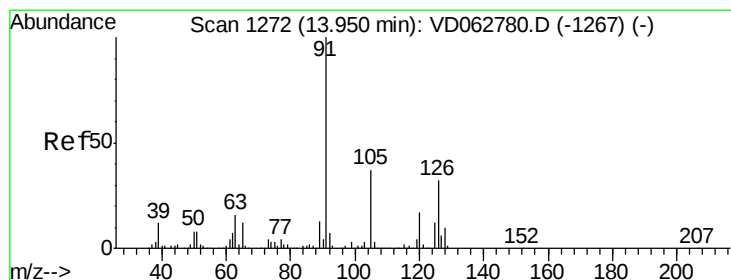
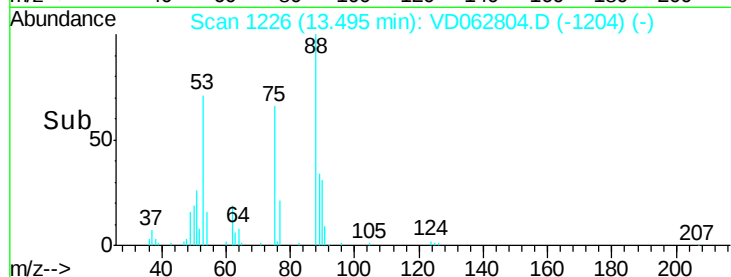
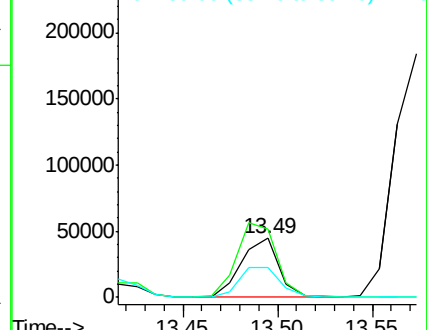
75 100

53 114.7 97.8 146.8

89 51.6 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: 37.856 ug/l

RT: 13.97 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VD062804.D

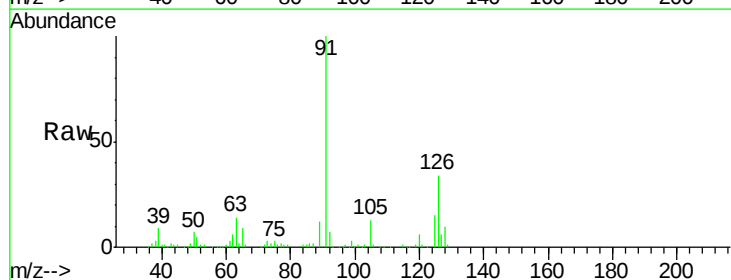
Acq: 20 Jun 2019 19:53

Tgt Ion: 91 Resp: 1012367

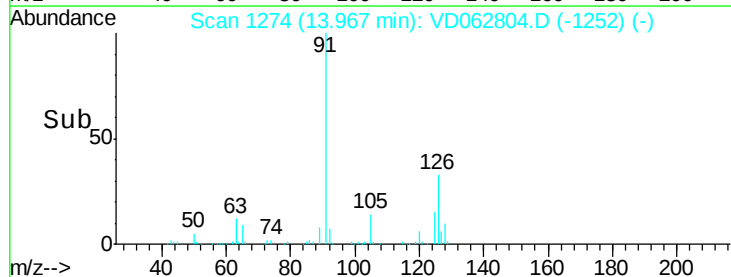
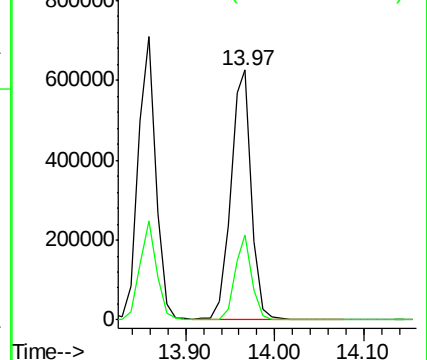
Ion Ratio Lower Upper

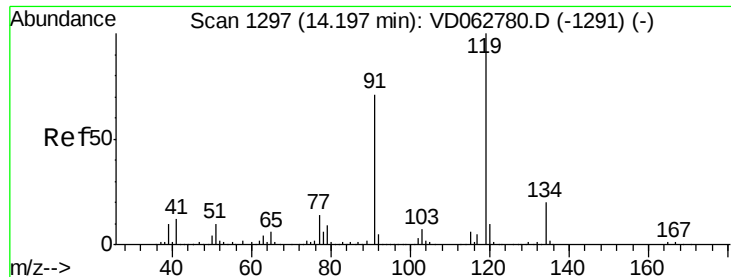
91 100

126 33.8 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: 41.336 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

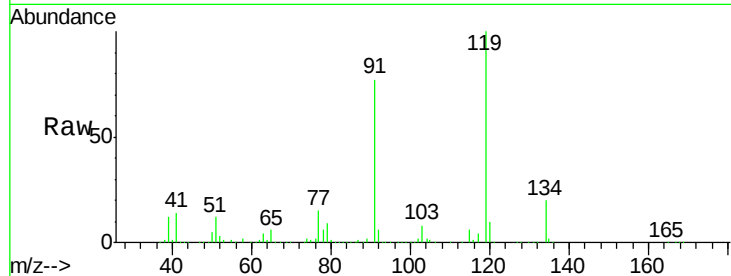
Tot Ion:119 Resp: 1292435

Ion Ratio Lower Upper

119 100

91 77.0 35.5 106.5

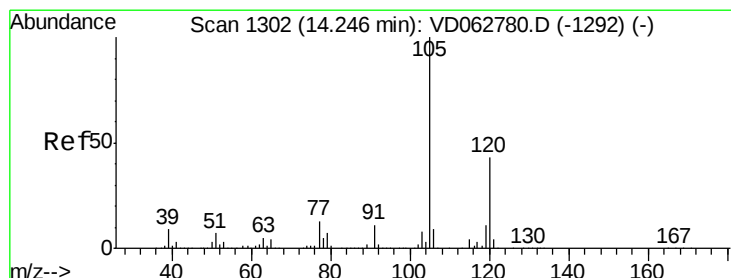
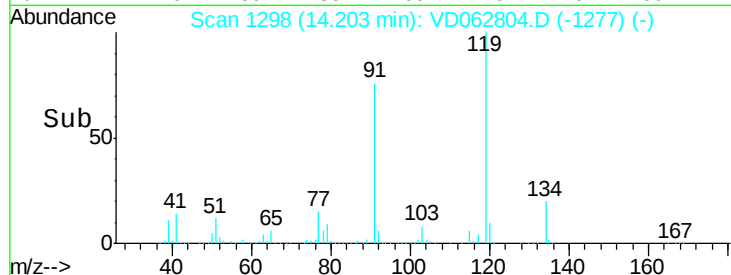
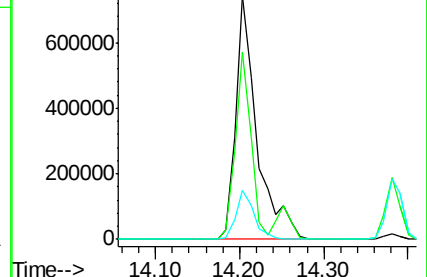
134 20.0 10.2 30.6



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: 39.972 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.01 min

Lab File: VD062804.D

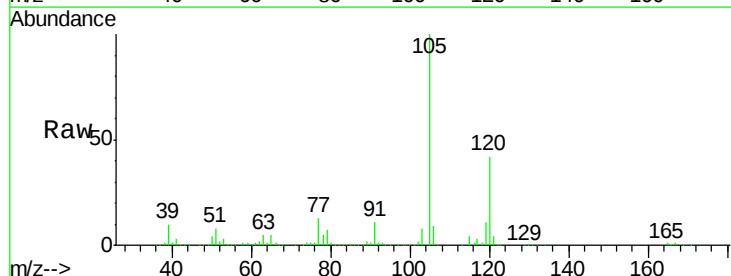
Acq: 20 Jun 2019 19:53

Tgt Ion:105 Resp: 1149215

Ion Ratio Lower Upper

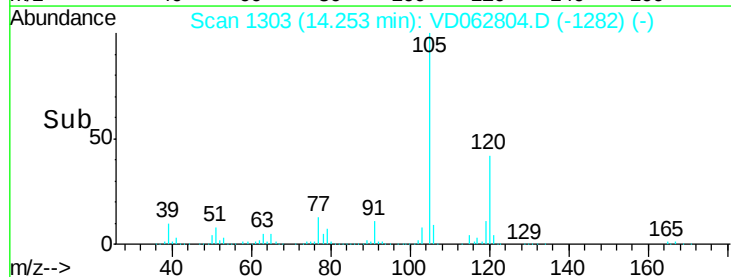
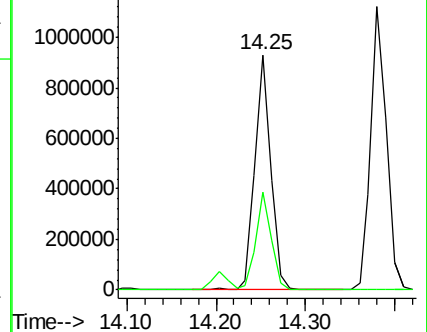
105 100

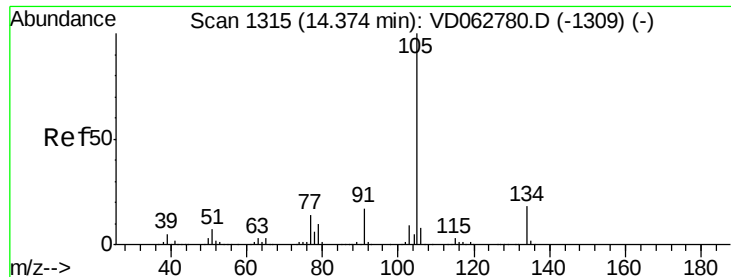
120 41.7 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

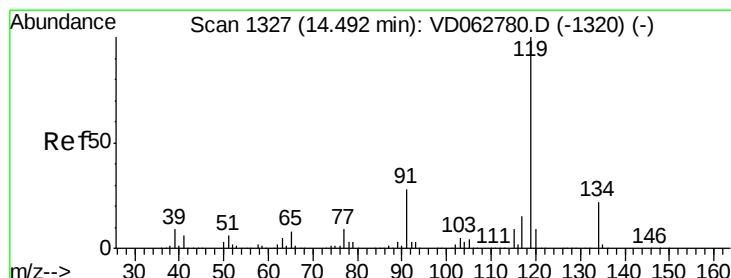
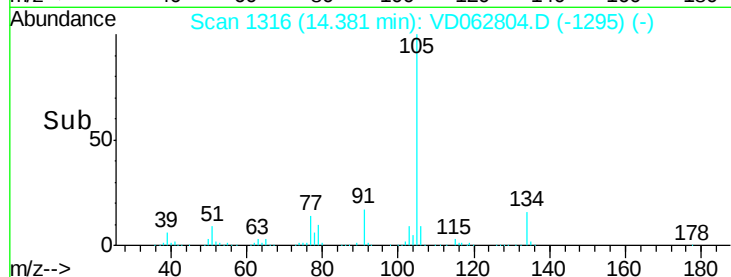
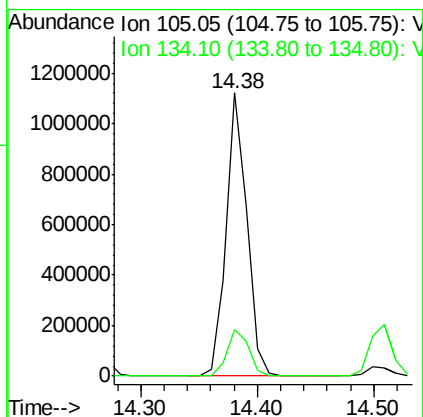
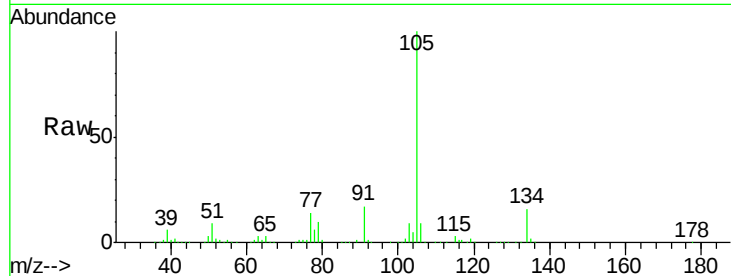




#85
 sec-Butylbenzene
 Concen: 40.596 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

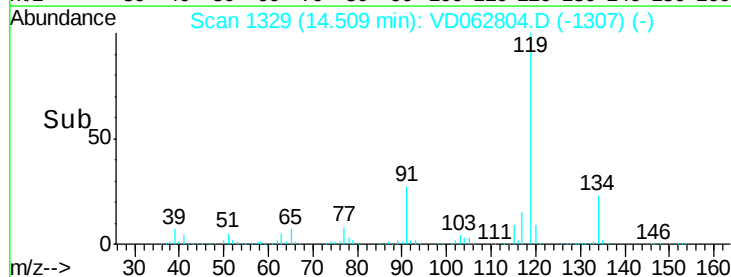
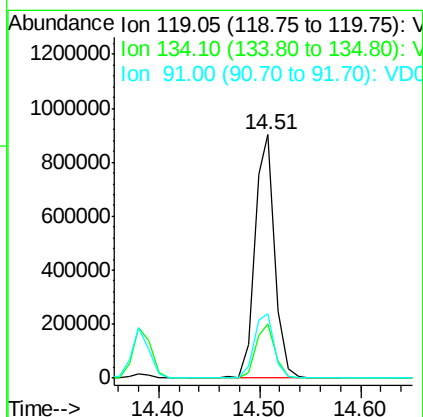
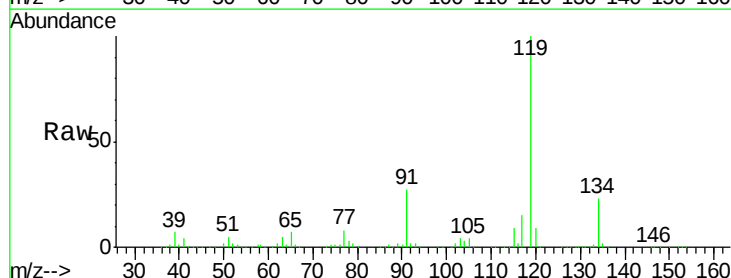
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1379564
 Ion Ratio Lower Upper
 105 100
 134 16.5 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 39.647 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Tgt Ion:119 Resp: 1232569
 Ion Ratio Lower Upper
 119 100
 134 22.5 11.1 33.1
 91 26.7 14.0 41.9

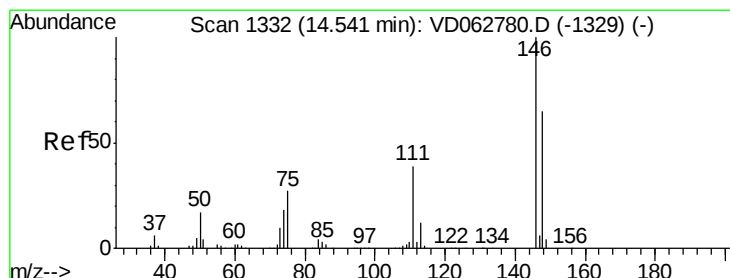
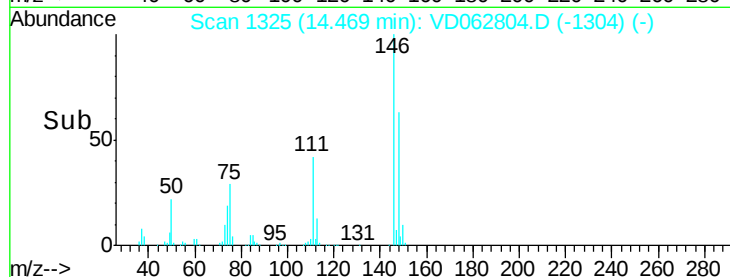
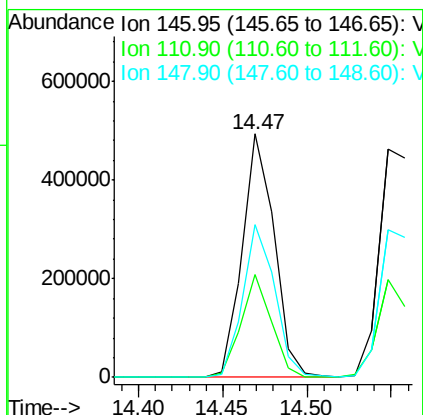
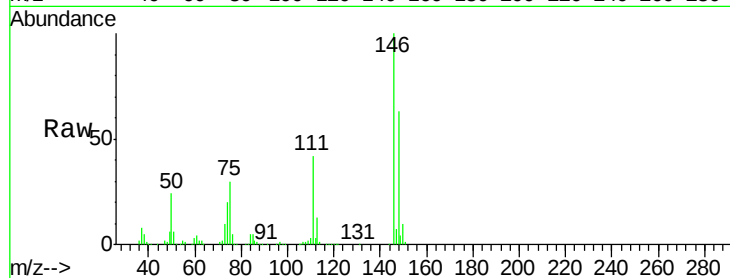




#87
 1,3-Dichlorobenzene
 Concen: 40.485 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

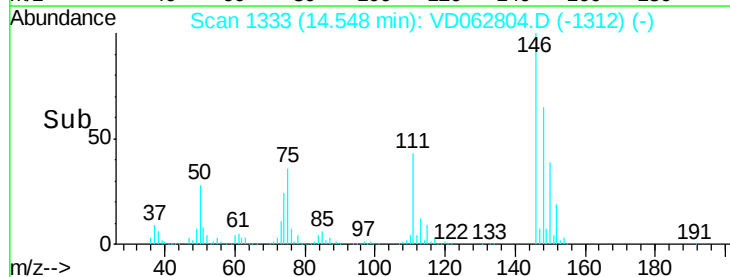
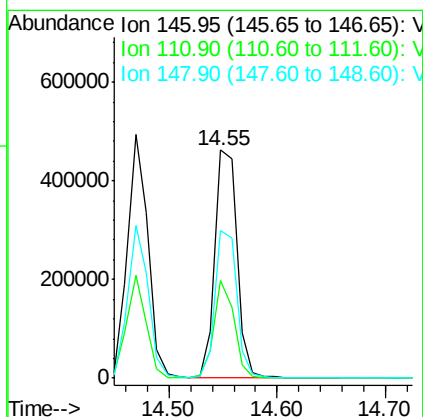
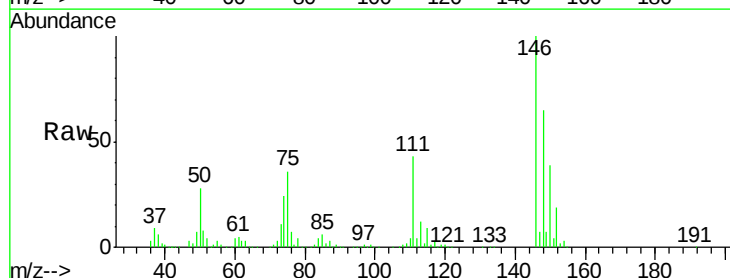
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

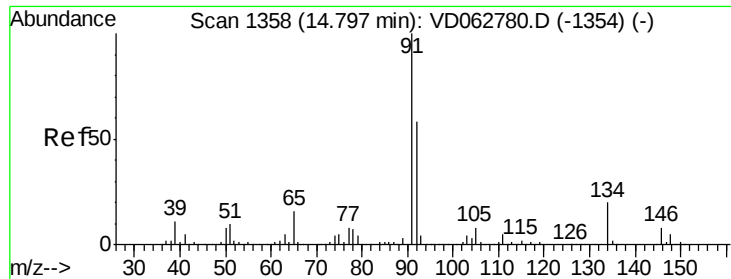
Tot Ion:146 Resp: 651873
 Ion Ratio Lower Upper
 146 100
 111 42.1 19.0 57.0
 148 62.7 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 40.661 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Tgt Ion:146 Resp: 657587
 Ion Ratio Lower Upper
 146 100
 111 42.6 19.7 59.1
 148 64.7 32.8 98.3





#89

n-Butylbenzene

Concen: 39.674 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

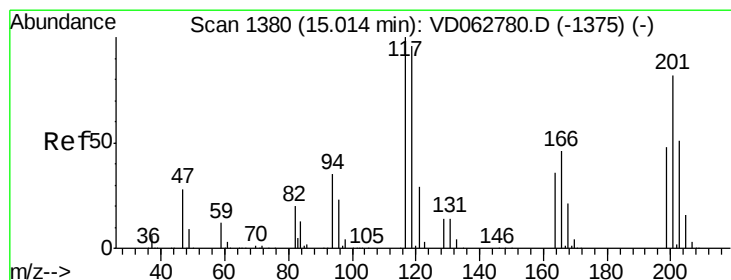
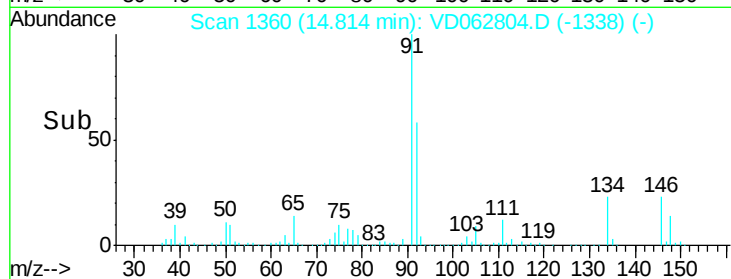
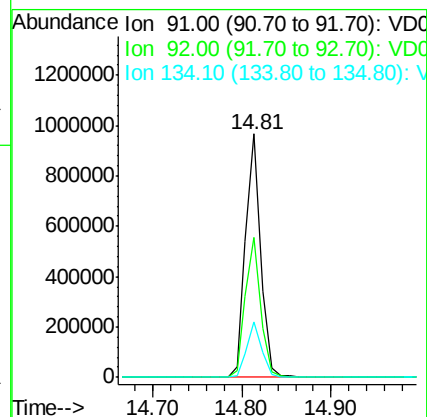
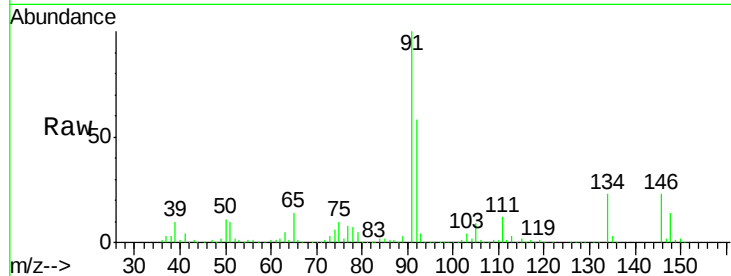
Tot Ion: 91 Resp: 1154436

Ion Ratio Lower Upper

91 100

92 57.6 28.9 86.7

134 22.9 10.1 30.3



#90

Hexachloroethane

Concen: 40.151 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD062804.D

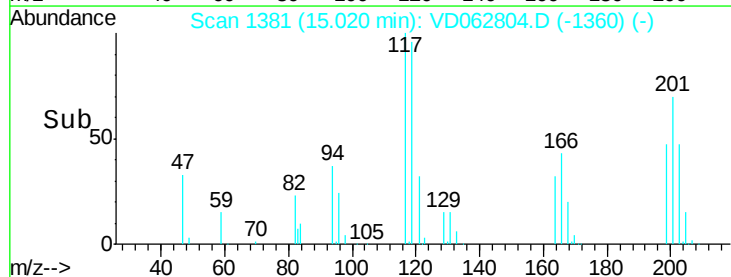
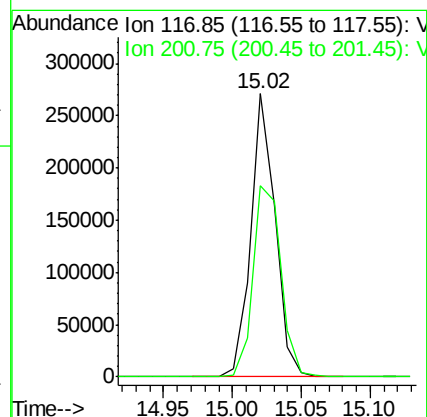
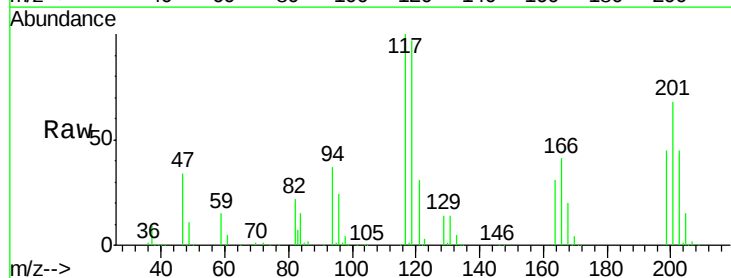
Acq: 20 Jun 2019 19:53

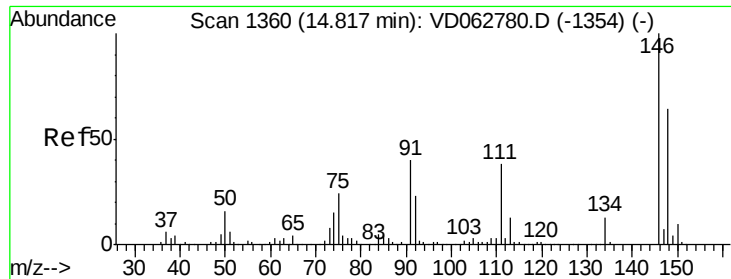
Tgt Ion: 117 Resp: 335614

Ion Ratio Lower Upper

117 100

201 67.7 40.8 122.2





#91

1,2-Dichlorobenzene

Concen: 41.795 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.01 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

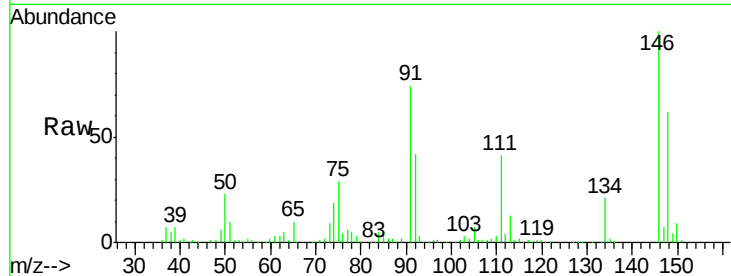
Tot Ion:146 Resp: 575777

Ion Ratio Lower Upper

146 100

111 40.7 19.1 57.1

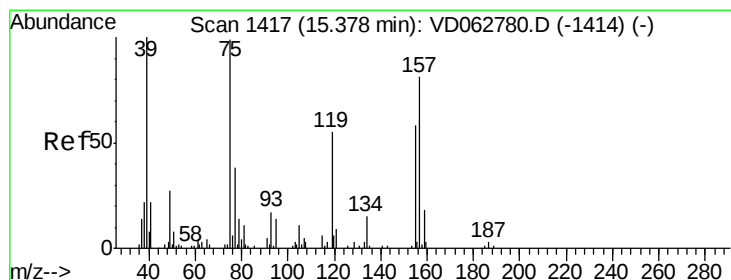
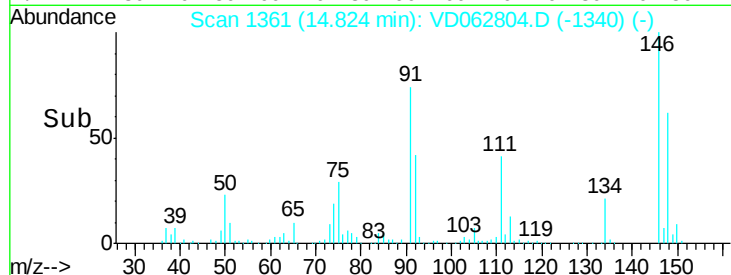
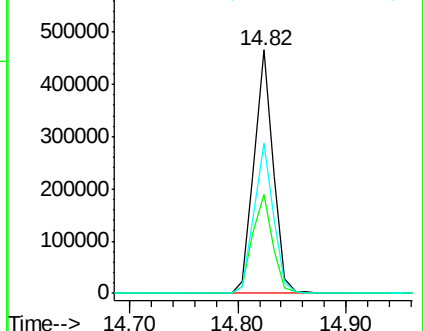
148 61.6 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 39.351 ug/l

RT: 15.39 min Scan# 1419

Delta R.T. 0.02 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

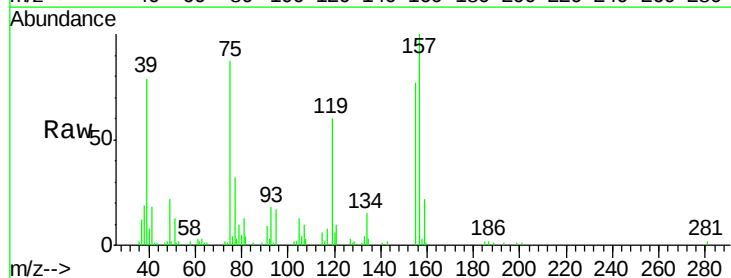
Tgt Ion: 75 Resp: 41791

Ion Ratio Lower Upper

75 100

155 88.5 29.3 87.8#

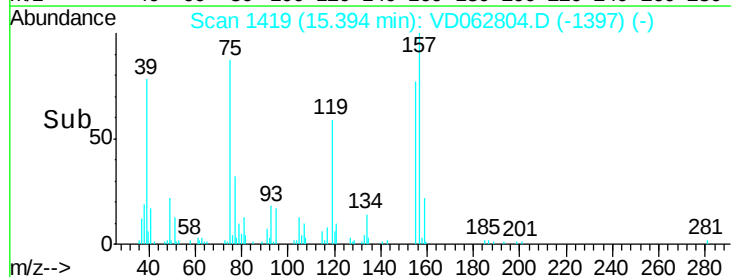
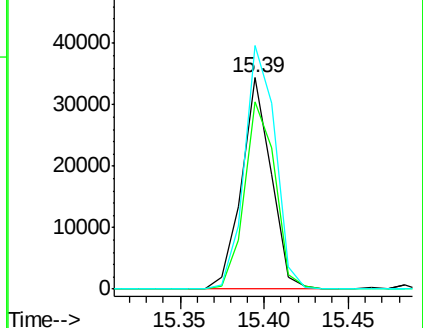
157 115.3 41.3 123.7

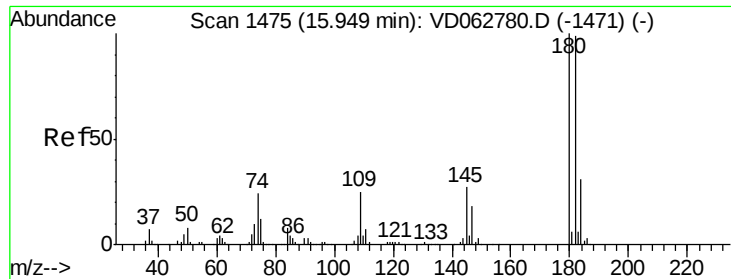


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

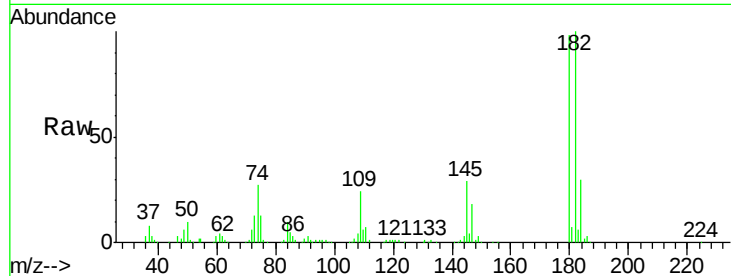




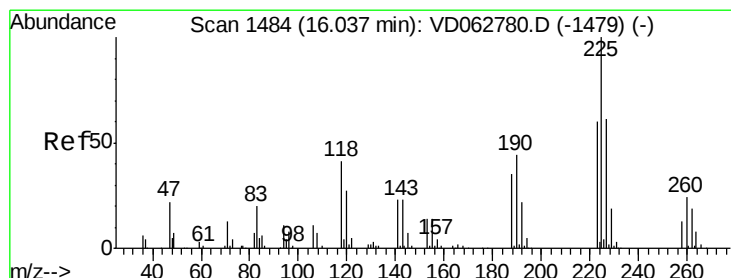
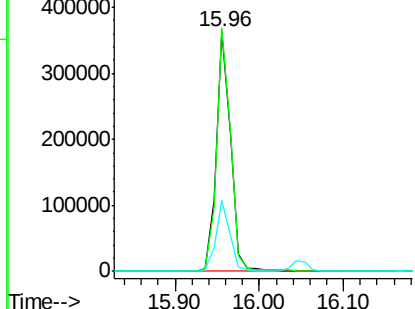
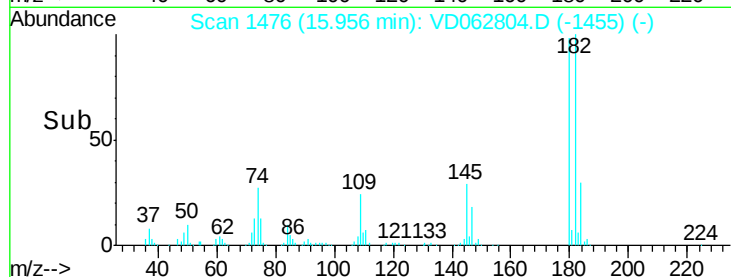
#93
 1,2,4-Trichlorobenzene
 Concen: 39.884 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 429206
 Ion Ratio Lower Upper
 180 100
 182 101.7 49.5 148.5
 145 29.5 13.7 41.0

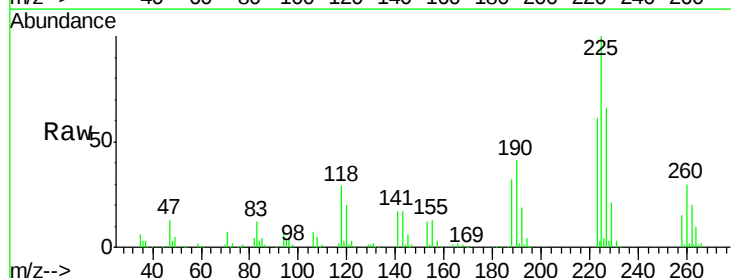


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

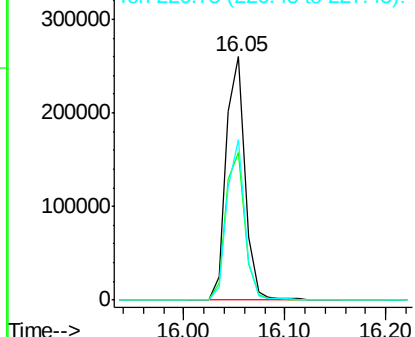
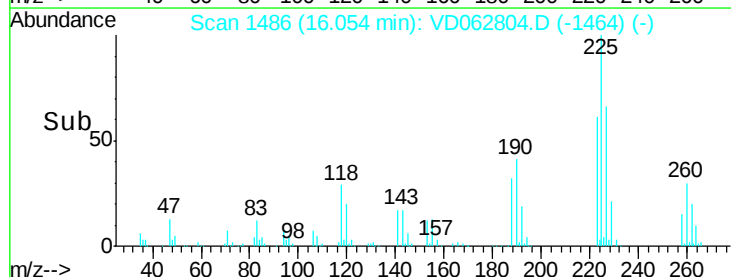


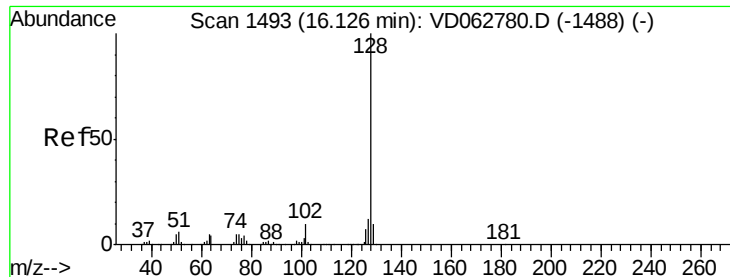
#94
 Hexachlorobutadiene
 Concen: 41.137 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062804.D
 Acq: 20 Jun 2019 19:53

Tgt Ion:225 Resp: 338195
 Ion Ratio Lower Upper
 225 100
 223 60.7 29.8 89.5
 227 66.0 30.6 91.6



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





#95

Naphthalene

Concen: 40.861 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

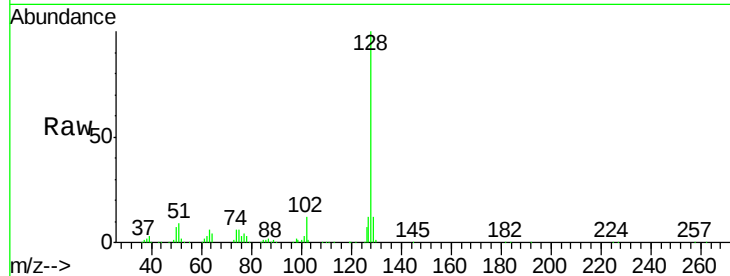
Tot Ion:128 Resp: 616312

Ion Ratio Lower Upper

128 100

127 12.2 9.7 14.5

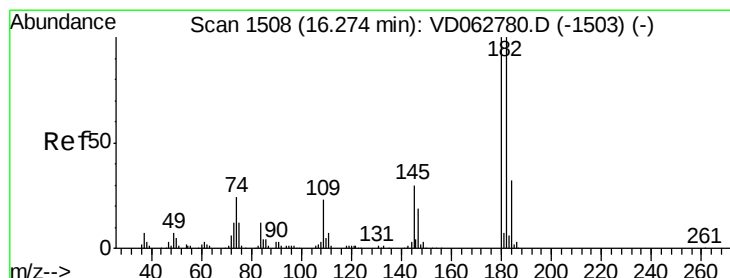
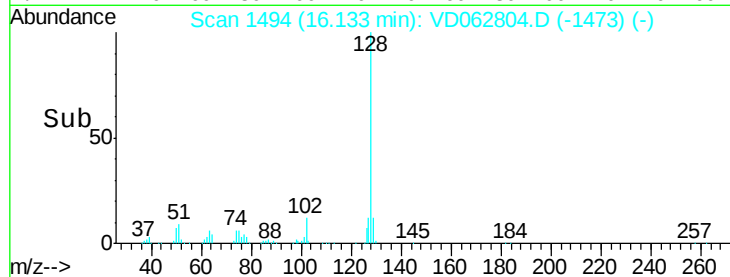
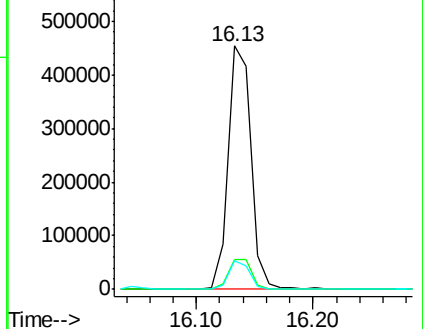
129 11.7 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 42.972 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD062804.D

Acq: 20 Jun 2019 19:53

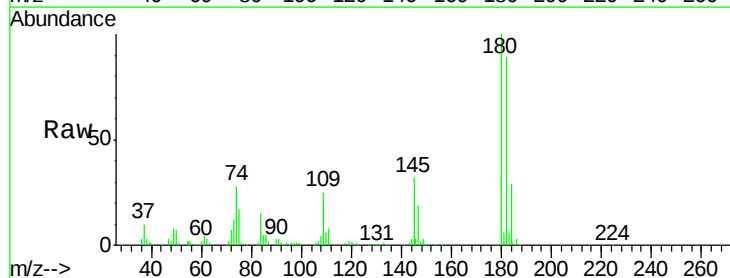
Tgt Ion:180 Resp: 355312

Ion Ratio Lower Upper

180 100

182 89.2 49.9 149.6

145 31.8 15.2 45.5



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

