

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052419\
 Data File : VD062526.D
 Acq On : 24 May 2019 11:39
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 24 22:25:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	386156	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	508418	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	437826	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	259233	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	248103	60.02	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	120.04%	
35) Dibromofluoromethane	6.92	113	243997	53.20	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.41	98	537211	53.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.04%	
62) 4-Bromofluorobenzene	13.56	95	245388	55.89	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	201161	56.330	ug/l	98
3) Chloromethane	1.74	50	140021	52.342	ug/l	99
4) Vinyl Chloride	1.85	62	154124	54.751	ug/l	97
5) Bromomethane	2.14	94	80415	66.202	ug/l	100
6) Chloroethane	2.26	64	85726	62.953	ug/l	91
7) Trichlorofluoromethane	2.52	101	376506	57.887	ug/l	96
8) Diethyl Ether	2.87	74	46667	53.189	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.14	101	190578	49.252	ug/l	94
10) Methyl Iodide	3.30	142	287512	53.288	ug/l #	75
11) Tert butyl alcohol	4.08	59	46884	245.726	ug/l #	93
12) 1,1-Dichloroethene	3.11	96	141525	49.488	ug/l #	75
13) Acrolein	3.03	56	41866	264.226	ug/l	91
14) Allyl chloride	3.62	41	202909	48.121	ug/l #	71
15) Acrylonitrile	4.19	53	99887	228.468	ug/l #	84
16) Acetone	3.21	43	199742	269.658	ug/l #	80
17) Carbon Disulfide	3.37	76	392681	45.339	ug/l	97
18) Methyl Acetate	3.64	43	59230	46.339	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	352475	53.363	ug/l #	91
20) Methylene Chloride	3.80	84	150050	47.117	ug/l	89
21) trans-1,2-Dichloroethene	4.21	96	163408	48.810	ug/l #	83
22) Diisopropyl ether	5.12	45	437280	48.721	ug/l	92
23) Vinyl Acetate	5.05	43	1368194	252.280	ug/l	96
24) 1,1-Dichloroethane	4.98	63	280320	48.495	ug/l	97
25) 2-Butanone	6.07	43	186863	241.199	ug/l	95
26) 2,2-Dichloropropane	6.02	77	360677	57.884	ug/l	87
27) cis-1,2-Dichloroethene	6.03	96	172884	47.890	ug/l	81
28) Bromochloromethane	6.43	49	100151	48.274	ug/l	94
29) Tetrahydrofuran	6.45	42	83669	226.132	ug/l	97
30) Chloroform	6.66	83	383576	52.050	ug/l	97
31) Cyclohexane	6.95	56	171345	43.902	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	395981	53.223	ug/l	96
36) 1,1-Dichloropropene	7.14	75	262898	54.085	ug/l	93
37) Ethyl Acetate	6.18	43	109639	58.061	ug/l #	94
38) Carbon Tetrachloride	7.11	117	426232m	59.000	ug/l	

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 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	221299	55.198	ug/l	95
40) Benzene	7.45	78	482425	50.597	ug/l	99
41) Methacrylonitrile	6.44	41	119219	50.269	ug/l #	84
42) 1,2-Dichloroethane	7.57	62	289562	57.352	ug/l	90
43) Isopropyl Acetate	9.24	43	129898	51.854	ug/l #	87
44) Trichloroethene	8.54	130	208801	54.695	ug/l	94
45) 1,2-Dichloropropane	8.94	63	117639	50.629	ug/l	98
46) Dibromomethane	9.06	93	116502	55.313	ug/l	98
47) Bromodichloromethane	9.37	83	313058	58.428	ug/l	98
48) Methyl methacrylate	9.12	41	89228	52.929	ug/l #	71
49) 1,4-Dioxane	9.09	88	14391	951.717	ug/l #	62
51) 4-Methyl-2-Pentanone	10.30	43	437185	264.173	ug/l	92
52) Toluene	10.51	92	329859	50.536	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	263762	59.129	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	252250	54.193	ug/l #	83
55) 1,1,2-Trichloroethane	11.19	97	111648	50.469	ug/l	96
56) Ethyl methacrylate	11.05	69	121276	51.282	ug/l #	75
57) 1,3-Dichloropropane	11.41	76	174487	51.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	287343	236.622	ug/l	98
59) 2-Hexanone	11.53	43	337877	280.918	ug/l	87
60) Dibromochloromethane	11.69	129	250136	58.870	ug/l	97
61) 1,2-Dibromoethane	11.80	107	147304	54.032	ug/l	99
64) Tetrachloroethene	11.25	164	191321	52.189	ug/l	99
65) Chlorobenzene	12.39	112	407189	48.362	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	227233	58.467	ug/l	94
67) Ethyl Benzene	12.52	91	800560	55.203	ug/l	95
68) m/p-Xylenes	12.67	106	540428	103.814	ug/l	87
69) o-Xylene	13.05	106	230386	46.905	ug/l	82
70) Styrene	13.07	104	415908	49.775	ug/l #	90
71) Bromoform	13.23	173	154844	59.992	ug/l	98
73) Isopropylbenzene	13.41	105	820600	50.219	ug/l	99
74) N-amyl acetate	13.27	43	195582	48.462	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	127904	43.388	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	146699	48.044	ug/l	95
77) Bromobenzene	13.67	156	224752	48.486	ug/l	98
78) n-propylbenzene	13.77	91	947985	50.085	ug/l	96
79) 2-Chlorotoluene	13.84	91	525208	45.724	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	715182	50.549	ug/l	88
81) trans-1,4-Dichloro-2-buten	13.48	75	39476	45.841	ug/l #	64
82) 4-Chlorotoluene	13.95	91	665855	50.335	ug/l	87
83) tert-Butylbenzene	14.20	119	737842	47.015	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	655307	45.201	ug/l	90
85) sec-Butylbenzene	14.37	105	824633	50.392	ug/l	99
86) p-Isopropyltoluene	14.49	119	735524	49.598	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	390058	47.650	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	414021	52.413	ug/l	97
89) n-Butylbenzene	14.80	91	732519	51.182	ug/l	92
90) Hexachloroethane	15.01	117	202947	49.518	ug/l	76
91) 1,2-Dichlorobenzene	14.81	146	357747	51.396	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	26395	47.171	ug/l	60

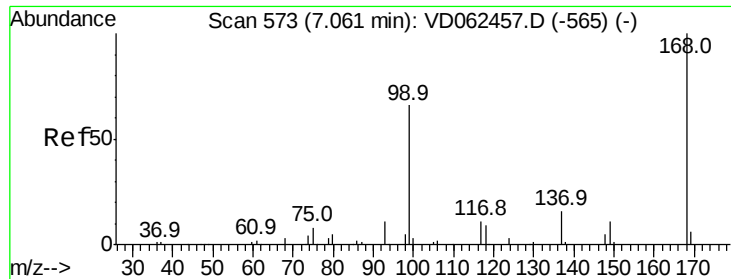
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052419\
Data File : VD062526.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	249196	45.467	ug/l	98
94) Hexachlorobutadiene	16.04	225	211062	52.154	ug/l	97
95) Naphthalene	16.12	128	365009	48.740	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	201107	44.759	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

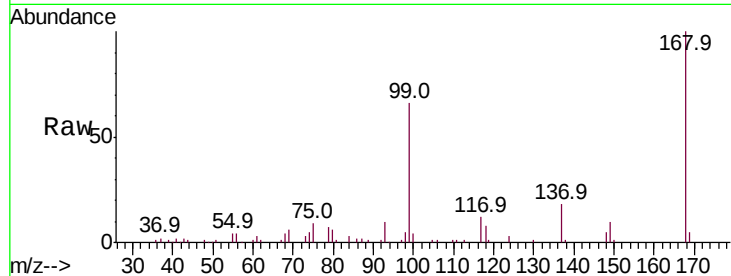
VSTDCCC050

Tot Ion:168 Resp: 386156

Ion Ratio Lower Upper

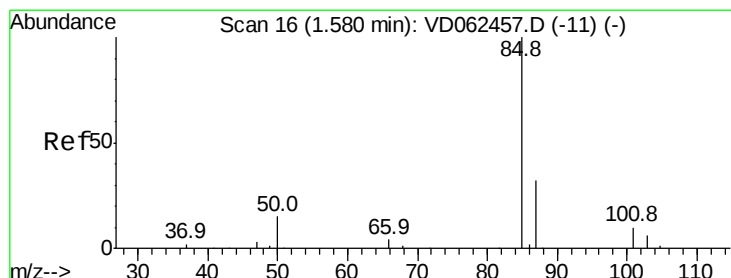
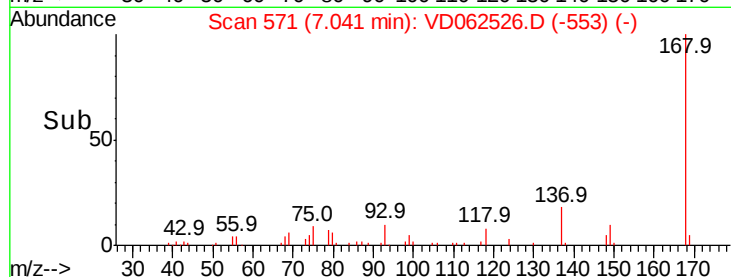
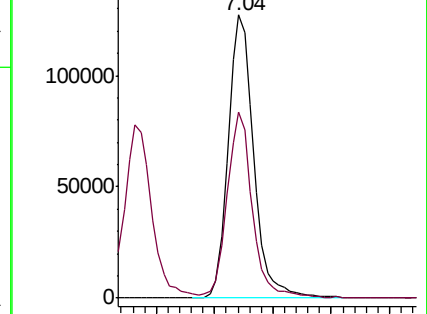
168 100

99 65.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 56.330 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD062526.D

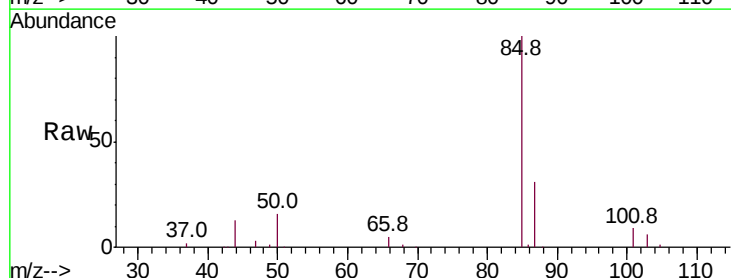
Acq: 24 May 2019 11:39

Tgt Ion: 85 Resp: 201161

Ion Ratio Lower Upper

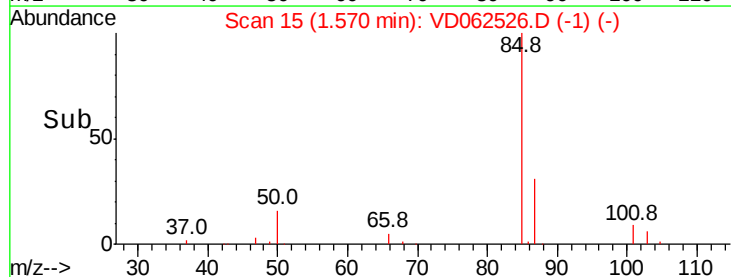
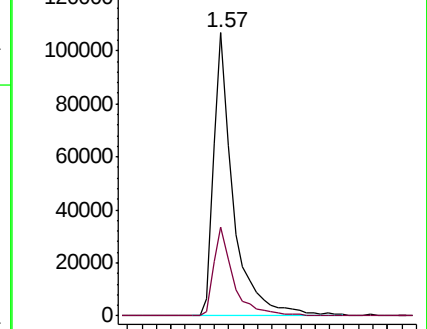
85 100

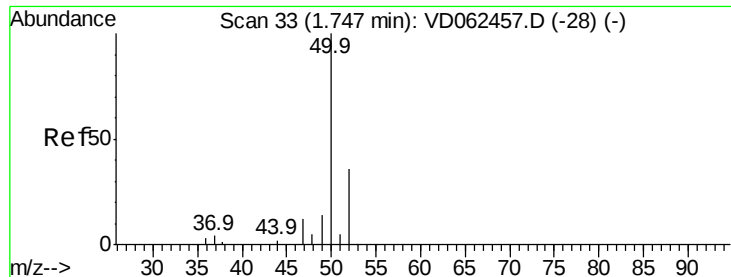
87 31.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

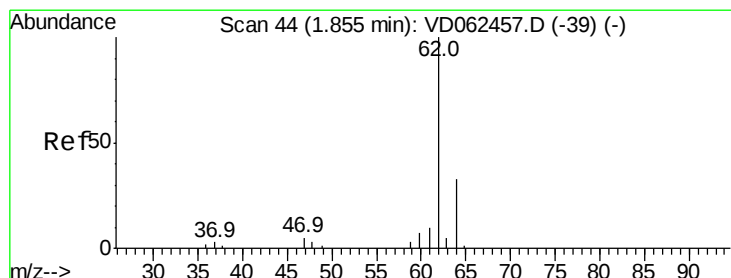
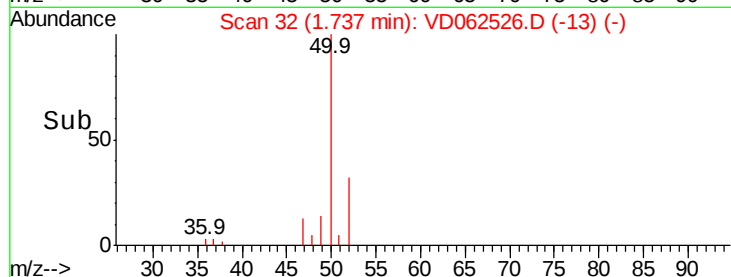
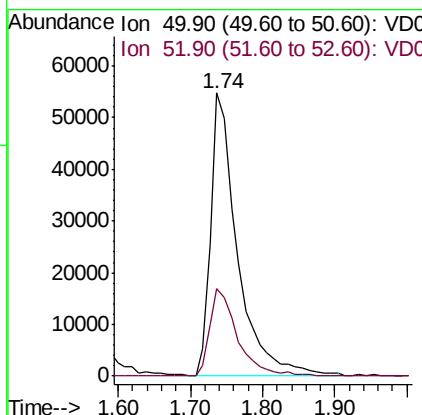
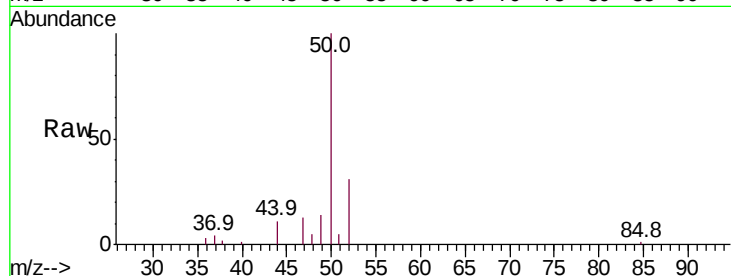




#3
Chloromethane
Concen: 52.342 ug/l
RT: 1.74 min Scan# 32
Delta R.T. -0.01 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

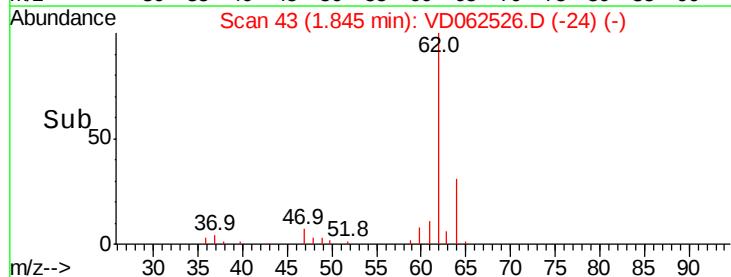
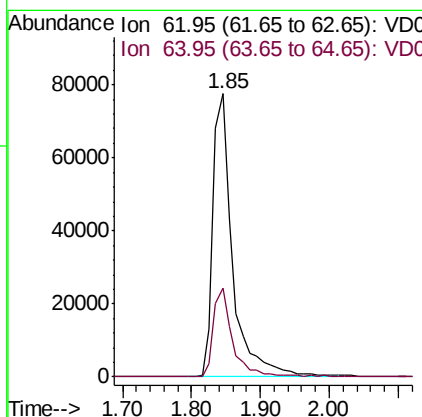
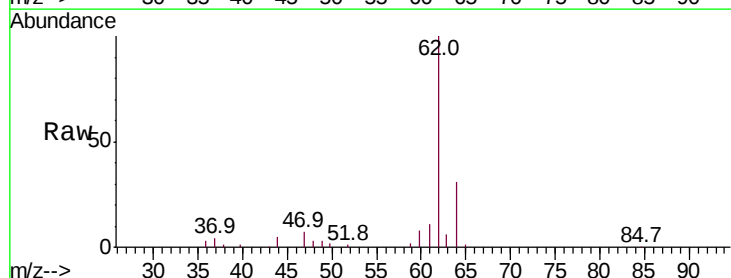
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

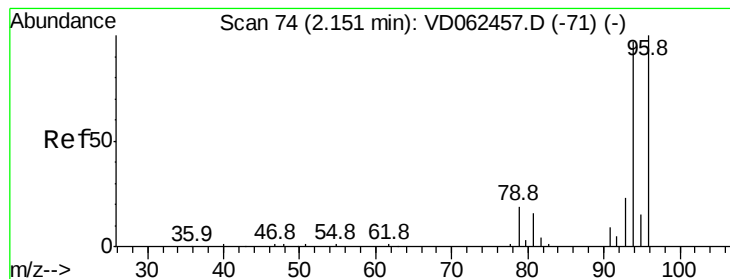
Tot Ion: 50 Resp: 140021
Ion Ratio Lower Upper
50 100
52 31.0 25.2 37.8



#4
Vinyl Chloride
Concen: 54.751 ug/l
RT: 1.85 min Scan# 43
Delta R.T. -0.01 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Tgt Ion: 62 Resp: 154124
Ion Ratio Lower Upper
62 100
64 31.2 26.5 39.7





#5

Bromomethane

Concen: 66.202 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

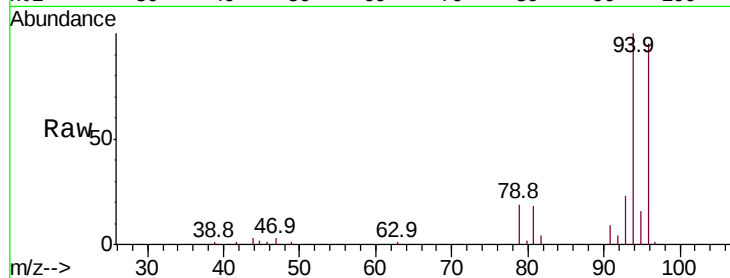
Tot Ion: 94 Resp: 80415

Ion Ratio Lower Upper

94 100

96 96.0 76.6 115.0

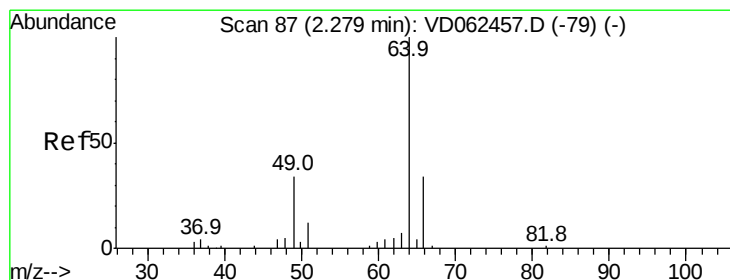
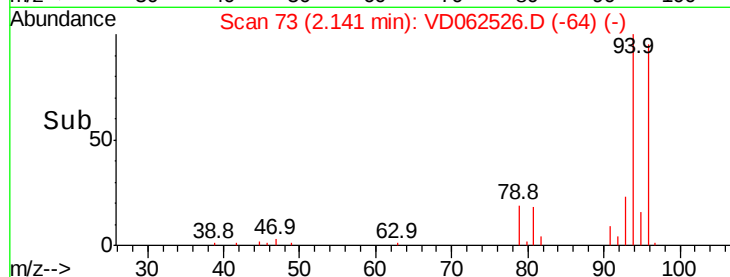
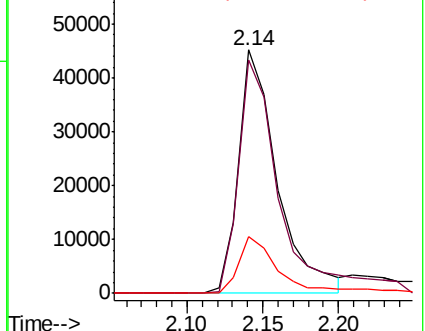
93 23.2 18.5 27.7



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: 62.953 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD062526.D

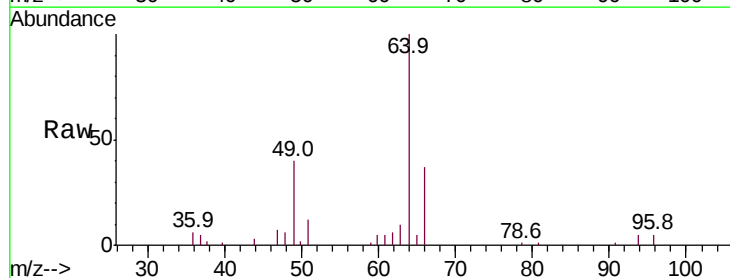
Acq: 24 May 2019 11:39

Tgt Ion: 64 Resp: 85726

Ion Ratio Lower Upper

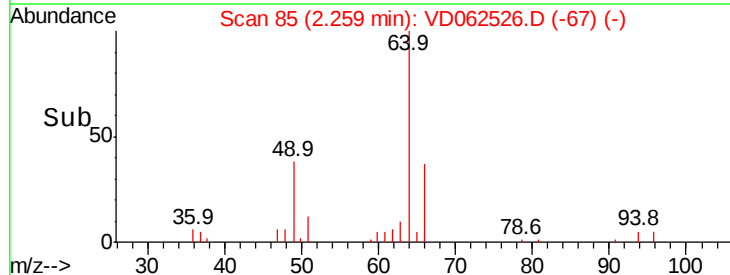
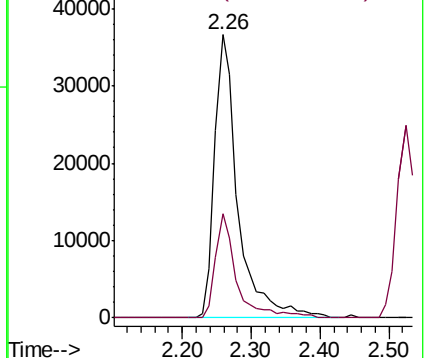
64 100

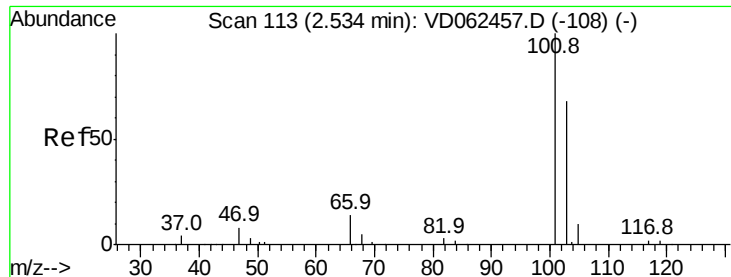
66 36.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



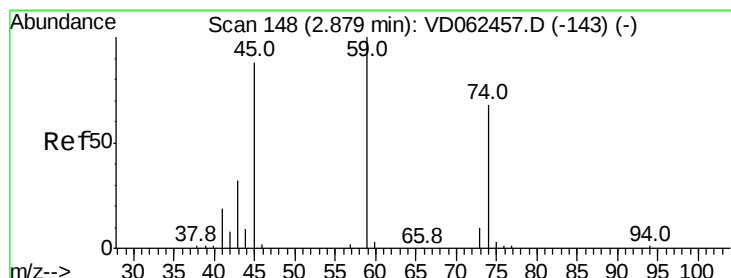
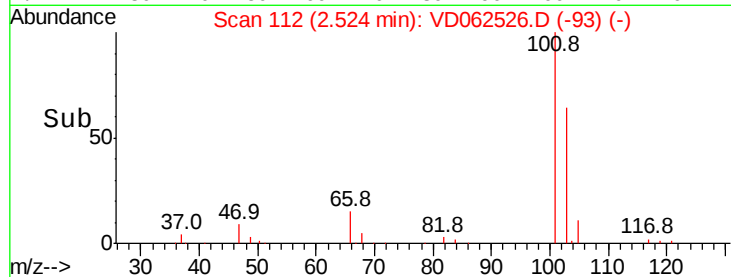
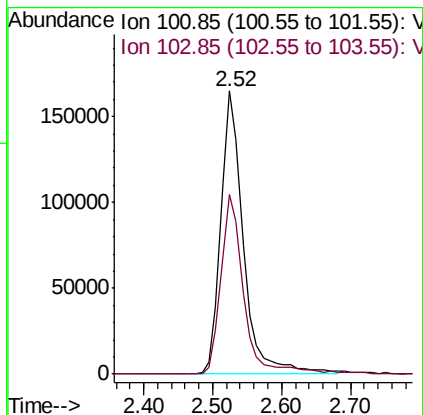
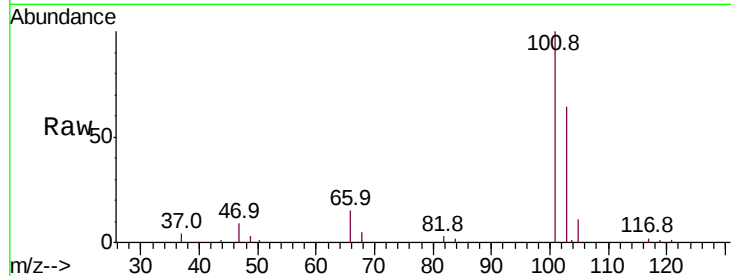


#7

Trichlorofluoromethane
Concen: 57.887 ug/l
RT: 2.52 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

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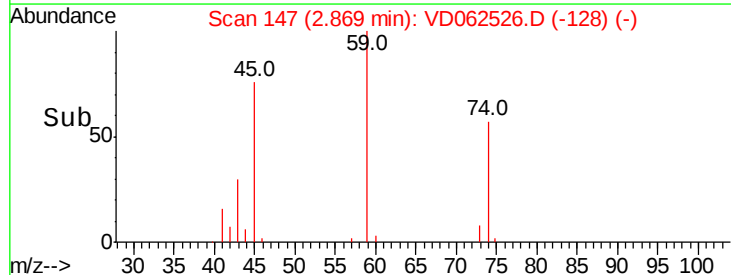
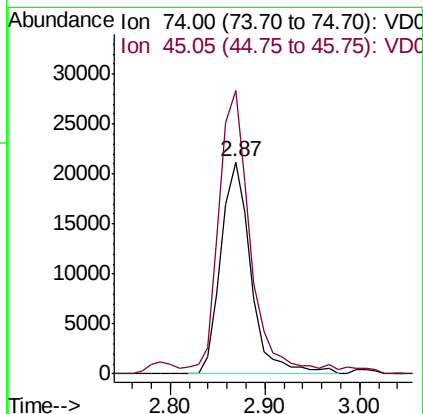
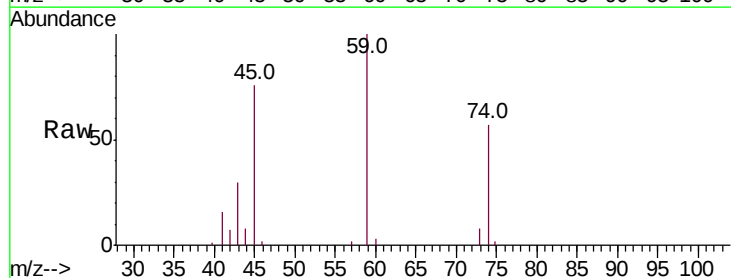
Tot Ion:101 Resp: 376506
Ion Ratio Lower Upper
101 100
103 63.5 53.6 80.4

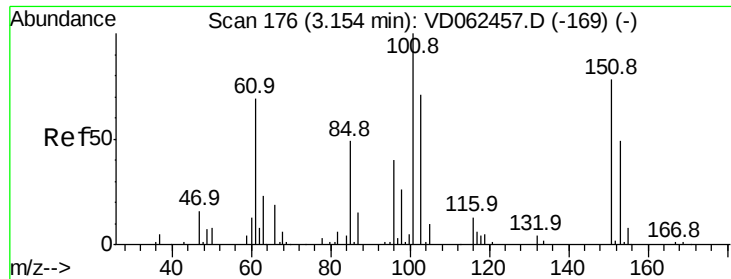


#8

Diethyl Ether
Concen: 53.189 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Tgt Ion: 74 Resp: 46667
Ion Ratio Lower Upper
74 100
45 133.3 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.252 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

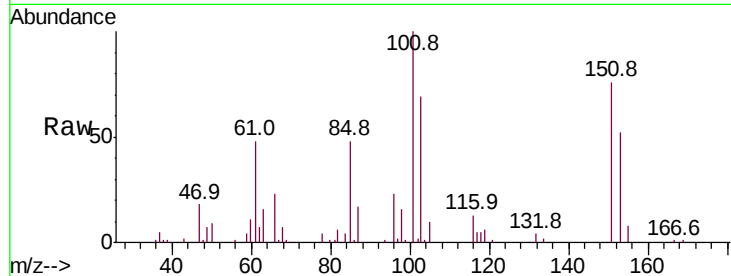
Tot Ion:101 Resp: 190578

Ion Ratio Lower Upper

101 100

85 48.2 32.4 48.6

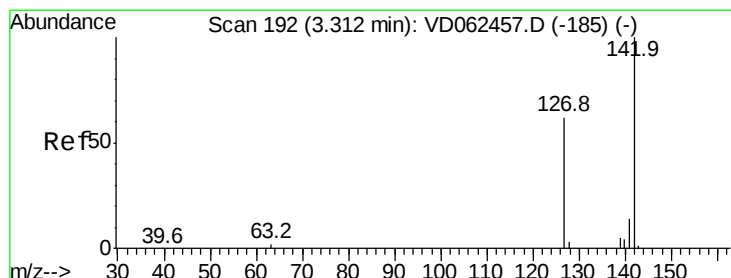
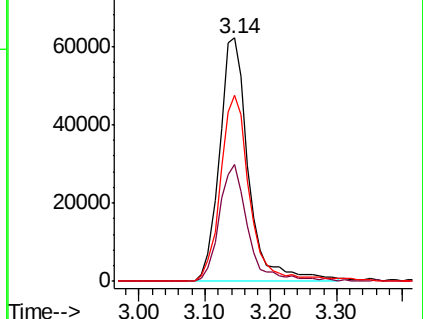
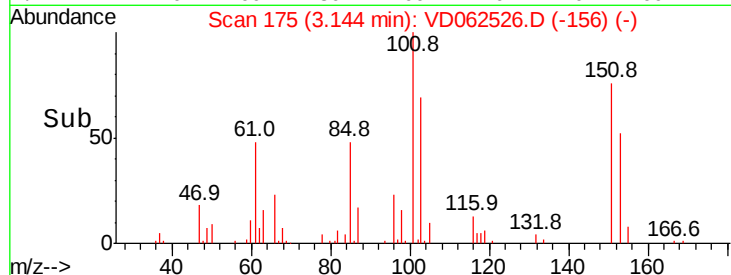
151 76.4 59.4 89.0



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: 53.288 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

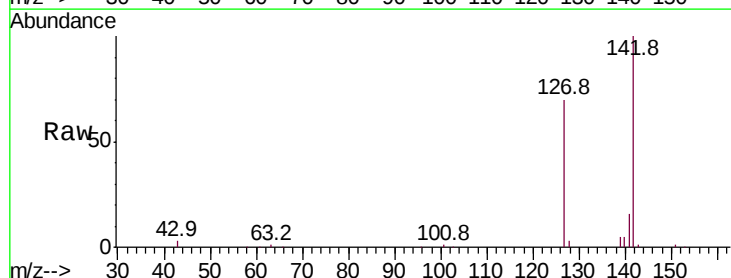
Tgt Ion:142 Resp: 287512

Ion Ratio Lower Upper

142 100

127 69.8 38.8 58.2#

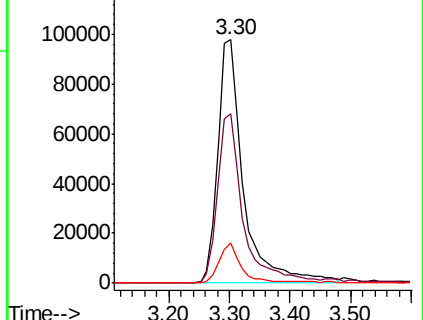
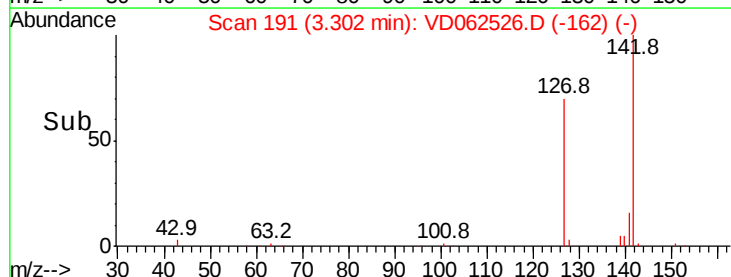
141 16.2 11.4 17.0

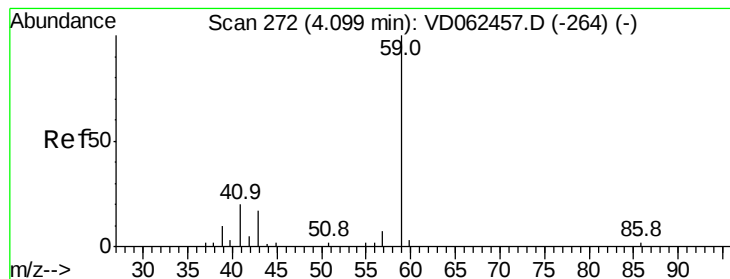


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 245.726 ug/l

RT: 4.08 min Scan# 270

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

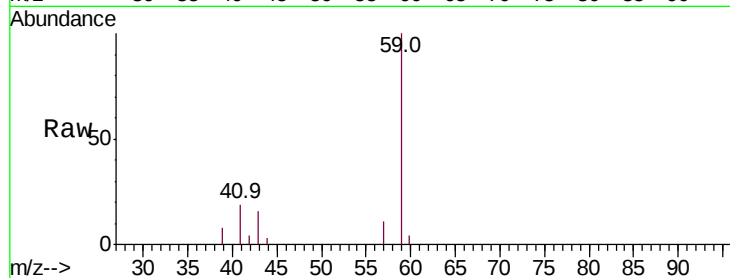
VSTDCCC050

Tot Ion: 59 Resp: 46884

Ion Ratio Lower Upper

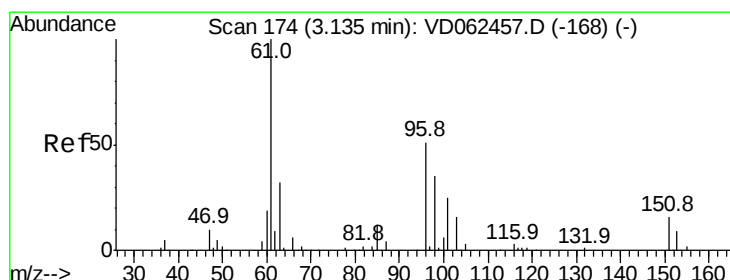
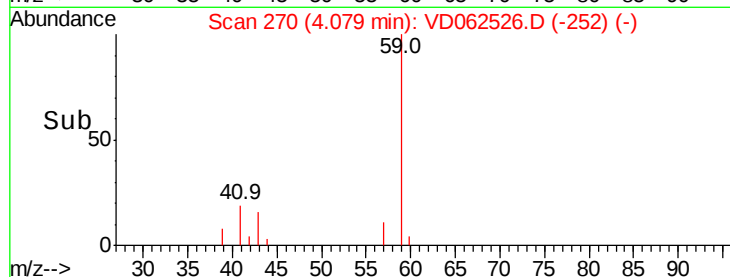
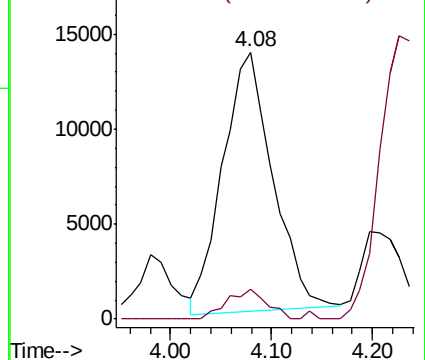
59 100

57 11.2 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 49.488 ug/l

RT: 3.11 min Scan# 172

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

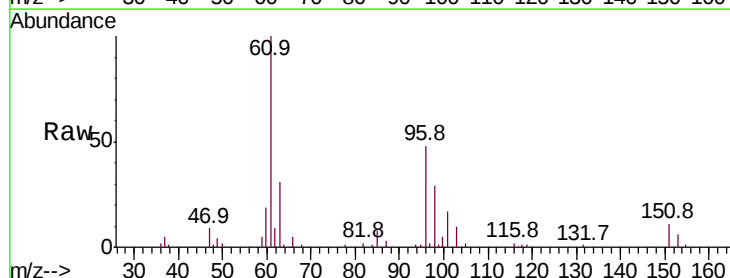
Tgt Ion: 96 Resp: 141525

Ion Ratio Lower Upper

96 100

61 206.9 129.8 194.8#

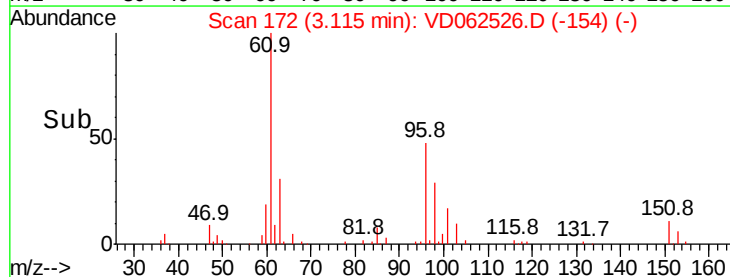
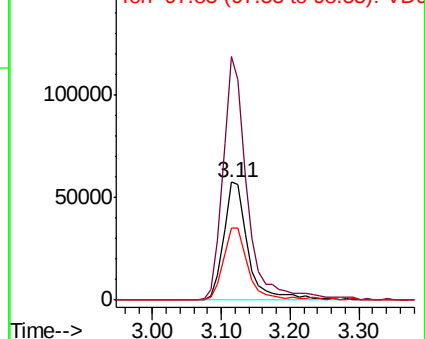
98 61.0 51.2 76.8

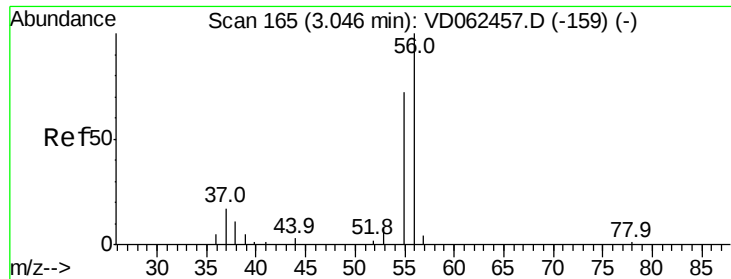


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 264.226 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

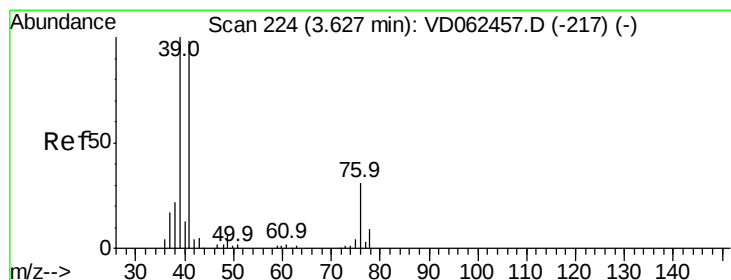
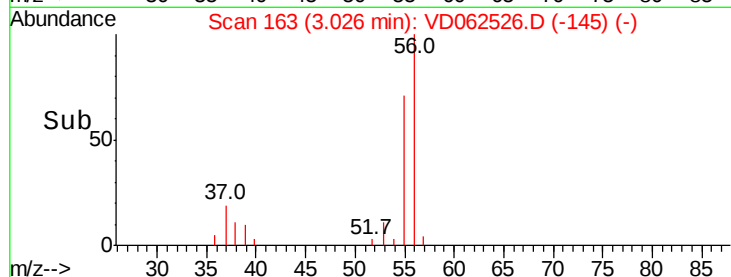
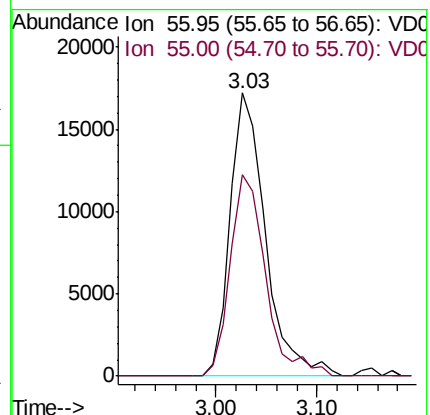
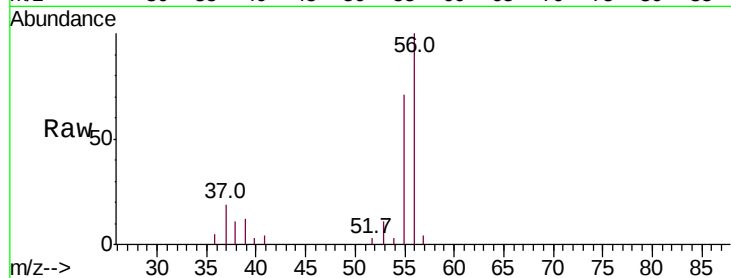
VSTDCCC050

Tot Ion: 56 Resp: 41866

Ion Ratio Lower Upper

56 100

55 71.0 51.4 77.2



#14

Allyl chloride

Concen: 48.121 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

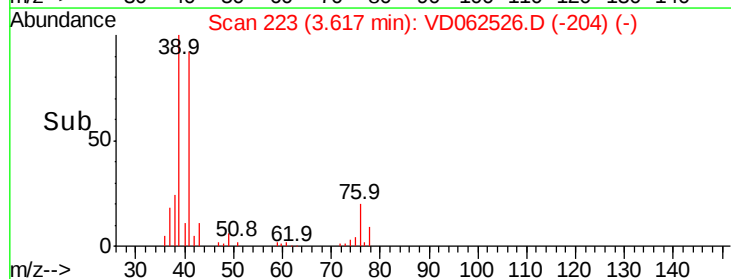
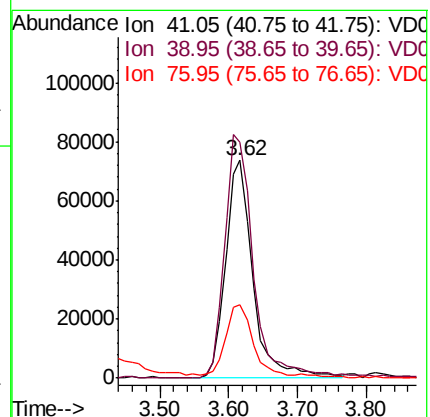
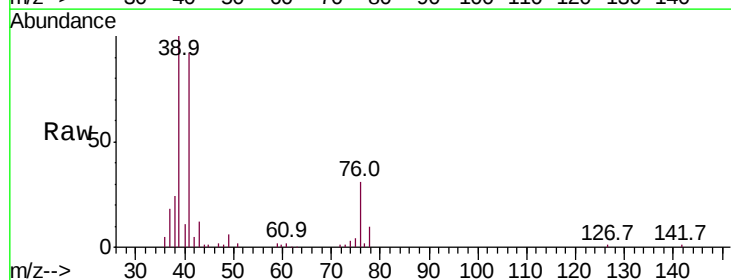
Tgt Ion: 41 Resp: 202909

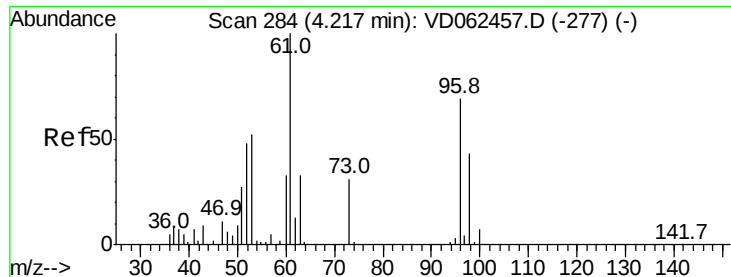
Ion Ratio Lower Upper

41 100

39 108.7 60.5 90.7#

76 33.5 31.8 47.8





#15

Acrylonitrile

Concen: 228.468 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.03 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

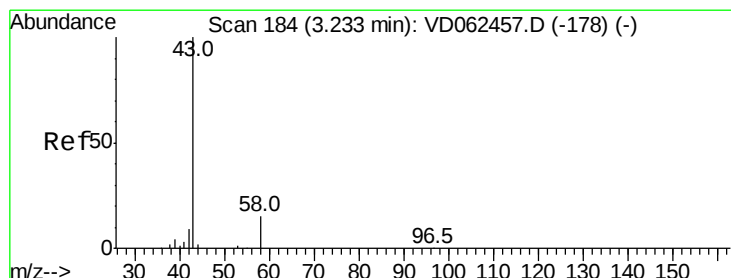
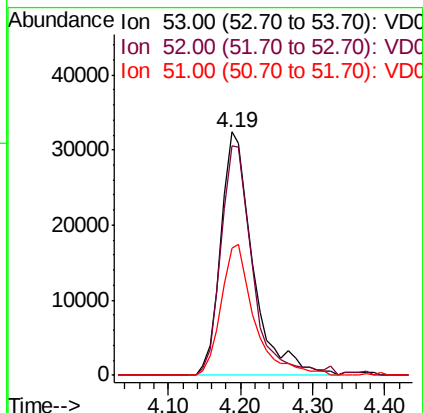
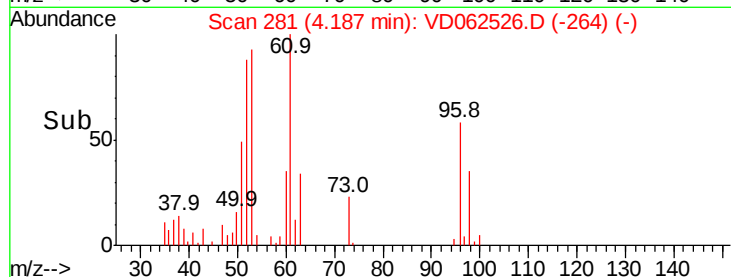
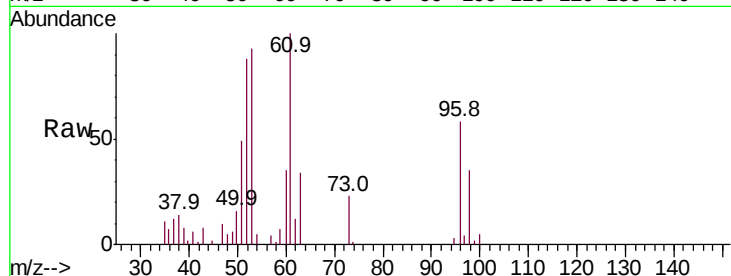
Tot Ion: 53 Resp: 99887

Ion Ratio Lower Upper

53 100

52 94.1 65.0 97.4

51 52.4 32.6 48.8#



#16

Acetone

Concen: 269.658 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD062526.D

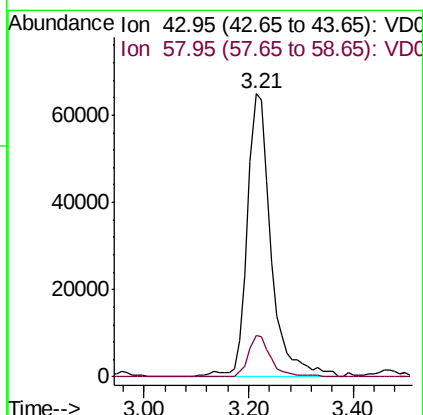
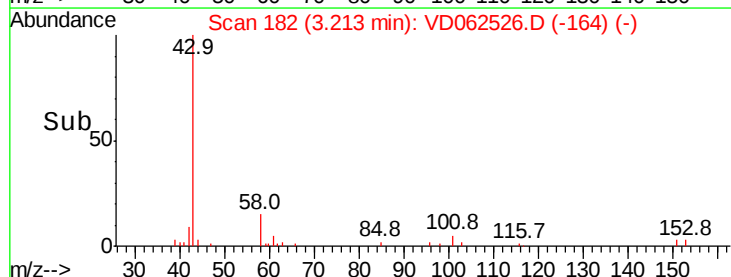
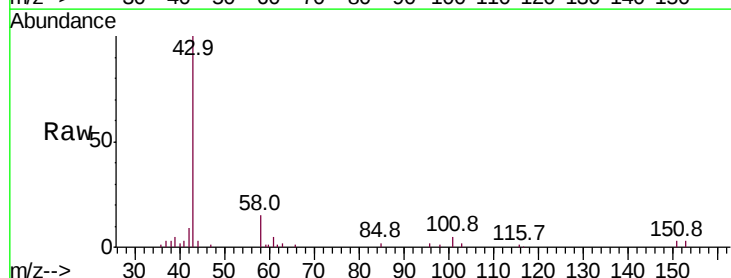
Acq: 24 May 2019 11:39

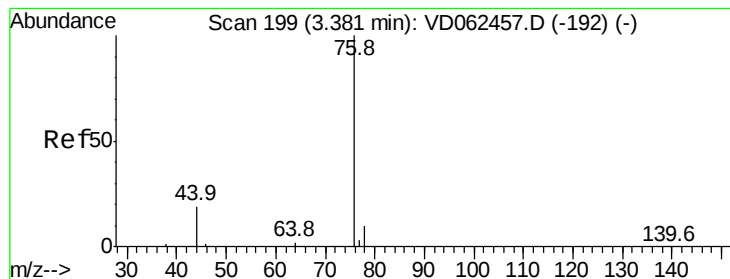
Tgt Ion: 43 Resp: 199742

Ion Ratio Lower Upper

43 100

58 14.7 19.9 29.9#





#17

Carbon Disulfide

Concen: 45.339 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

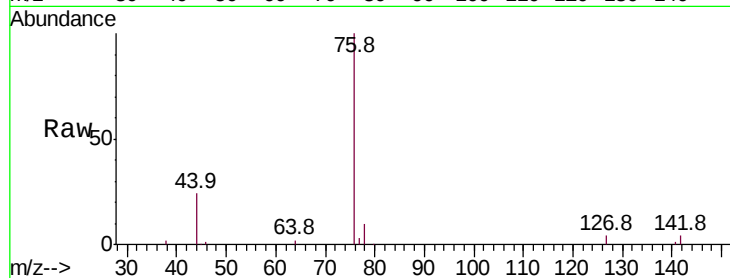
VSTDCCC050

Tot Ion: 76 Resp: 392681

Ion Ratio Lower Upper

76 100

78 9.9 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

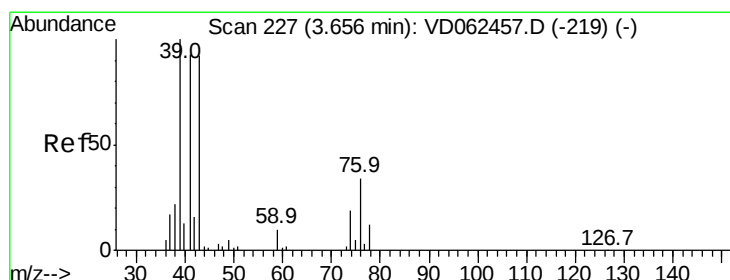
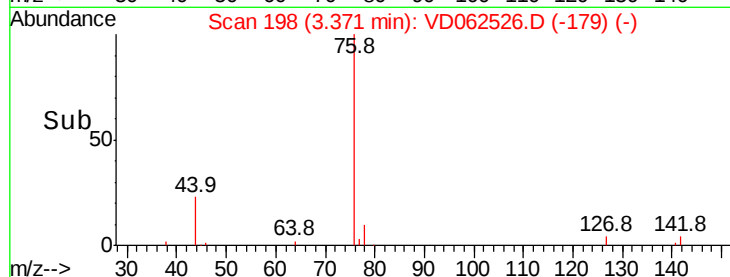
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.339 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.02 min

Lab File: VD062526.D

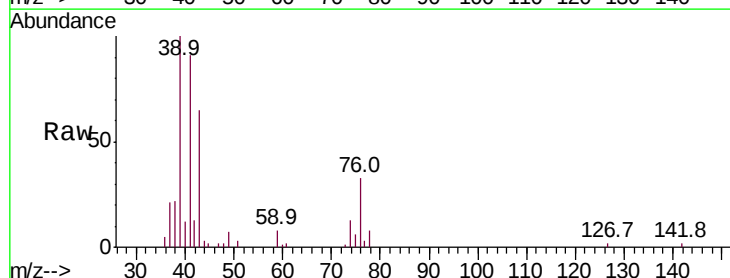
Acq: 24 May 2019 11:39

Tgt Ion: 43 Resp: 59230

Ion Ratio Lower Upper

43 100

74 20.5 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

25000

20000

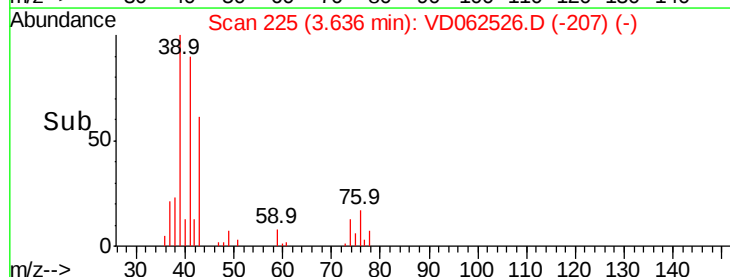
15000

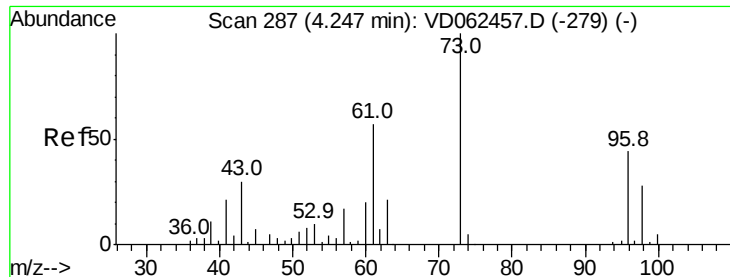
10000

5000

0

Time-->

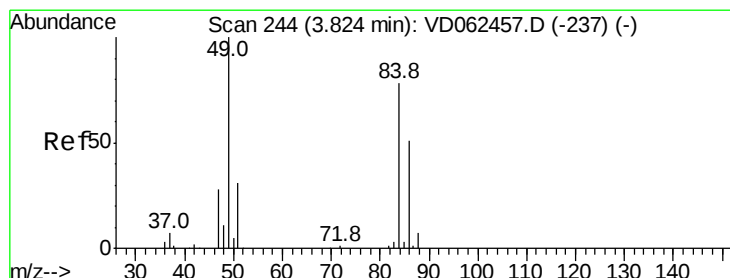
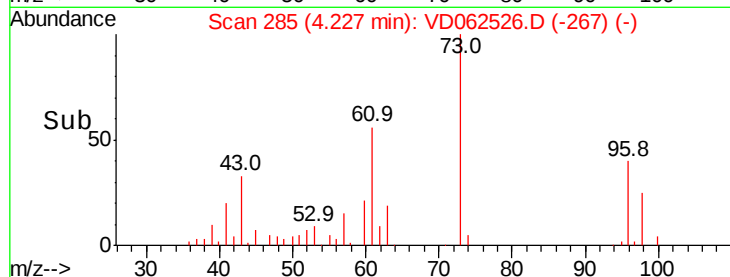
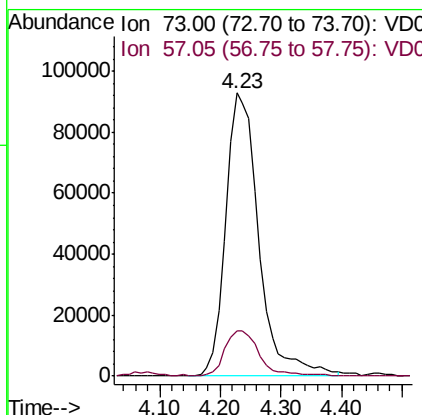
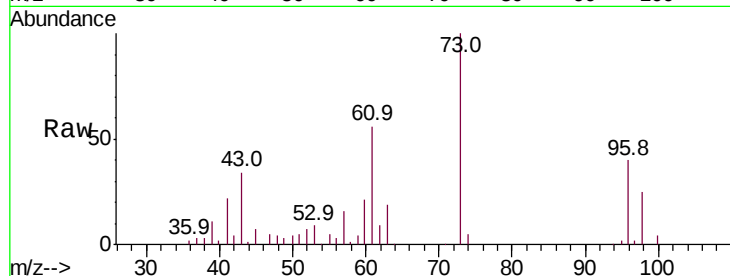




#19
Methvl tert-butvl Ether
Concen: 53.363 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

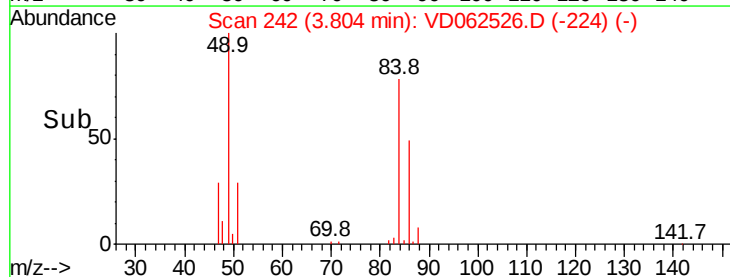
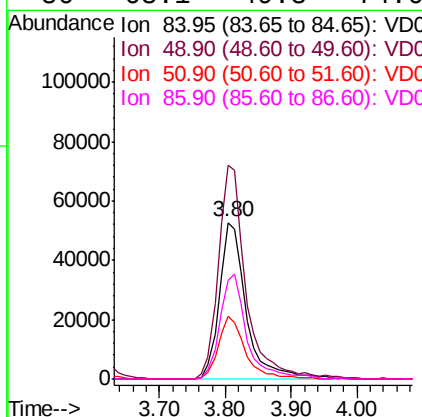
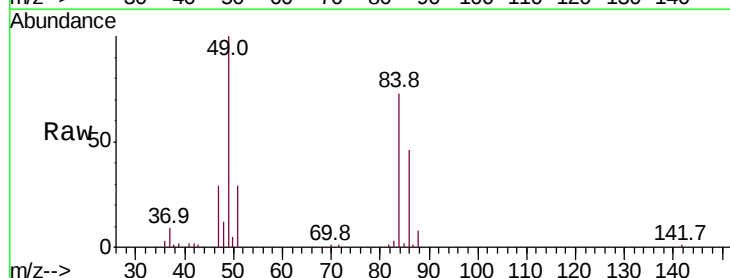
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

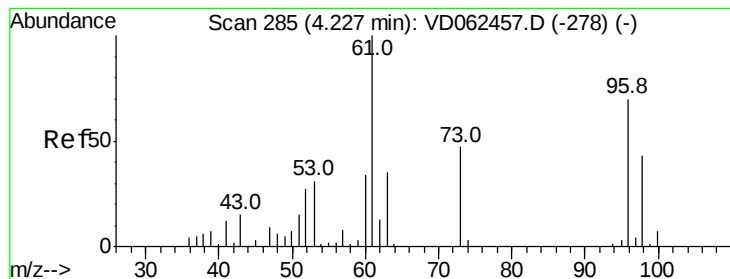
Tot Ion: 73 Resp: 352475
Ion Ratio Lower Upper
73 100
57 16.0 16.3 24.5#



#20
Methylene Chloride
Concen: 47.117 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Tgt Ion: 84 Resp: 150050
Ion Ratio Lower Upper
84 100
49 136.2 94.0 141.0
51 39.7 29.0 43.4
86 63.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 48.810 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

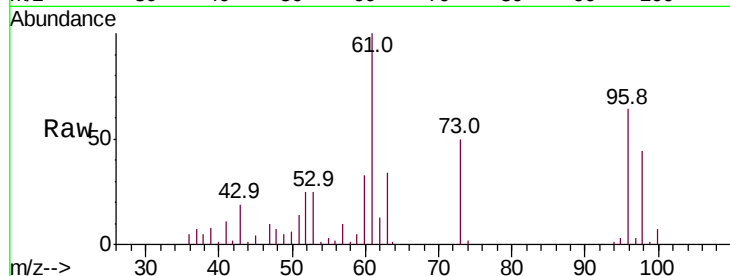
Tot Ion: 96 Resp: 163408

Ion Ratio Lower Upper

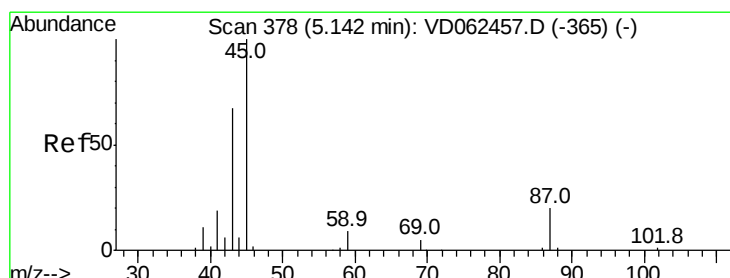
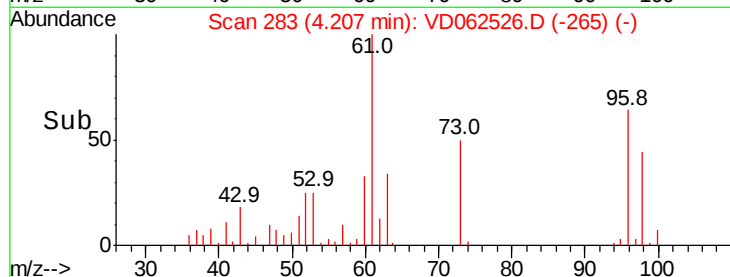
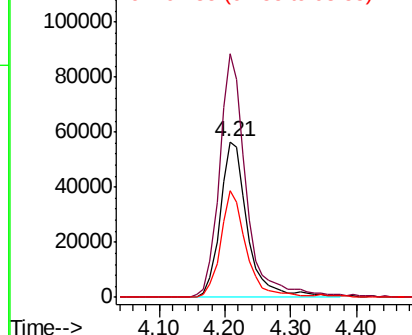
96 100

61 156.7 104.4 156.6#

98 68.9 51.8 77.8



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: 48.721 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Tgt Ion: 45 Resp: 437280

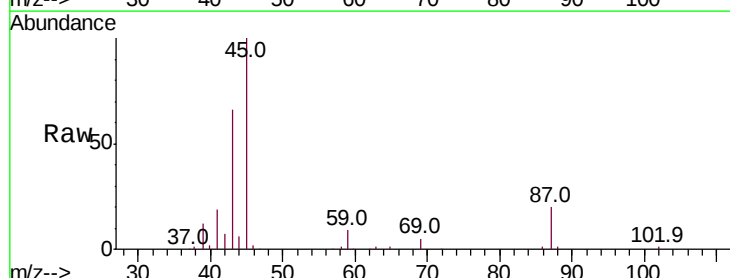
Ion Ratio Lower Upper

45 100

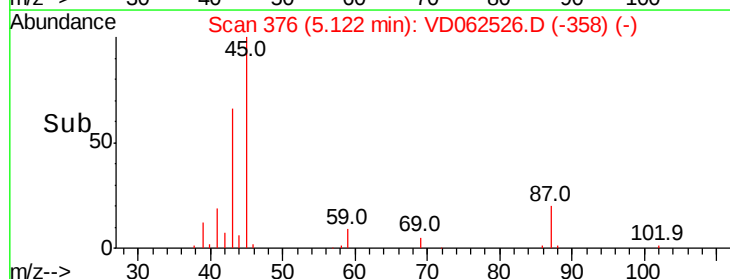
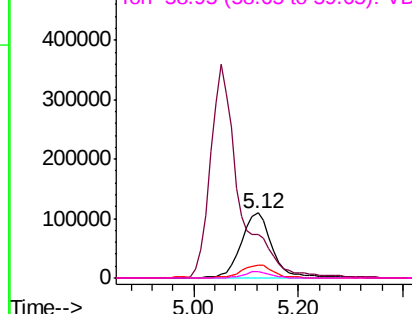
43 66.2 46.2 69.2

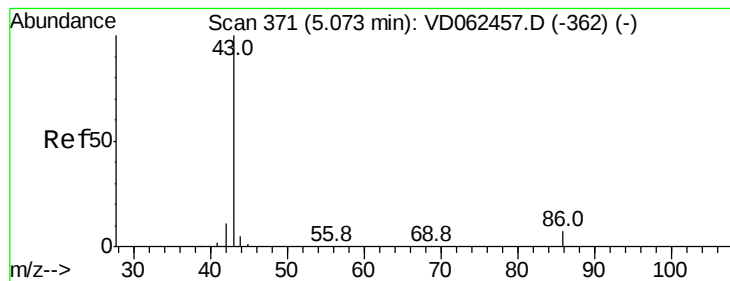
87 19.8 15.9 23.9

59 9.4 7.9 11.9



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: 252.280 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

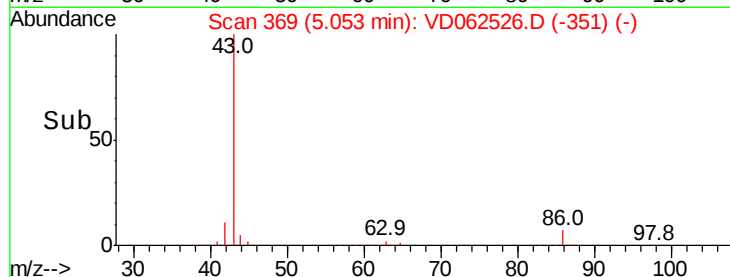
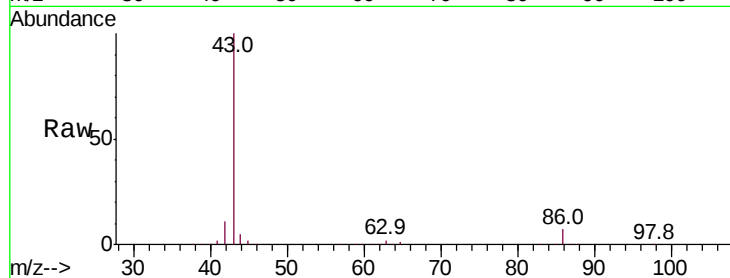
VSTDCCC050

Tot Ion: 43 Resp: 1368194

Ion Ratio Lower Upper

43 100

86 6.7 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

400000

300000

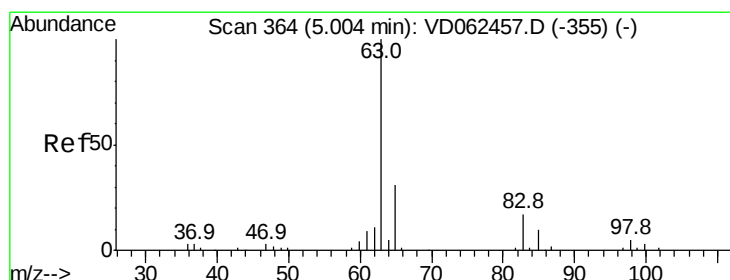
200000

100000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 48.495 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

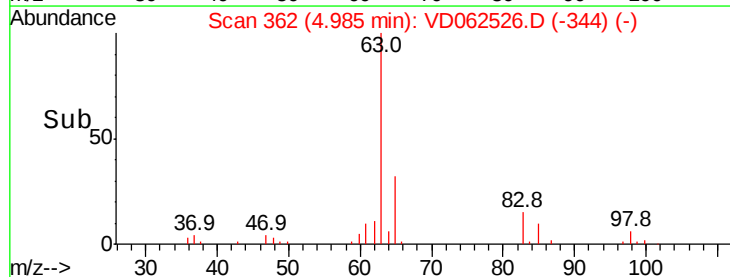
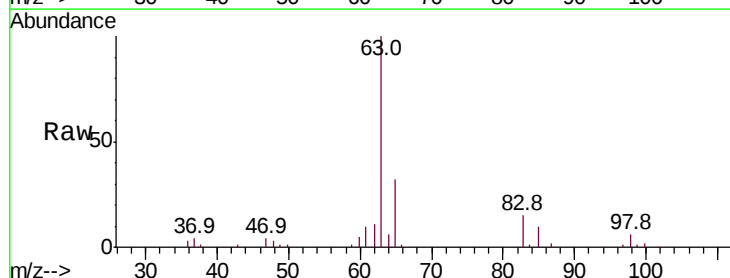
Tgt Ion: 63 Resp: 280320

Ion Ratio Lower Upper

63 100

98 6.6 2.8 8.4

100 2.4 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.98

100000

80000

60000

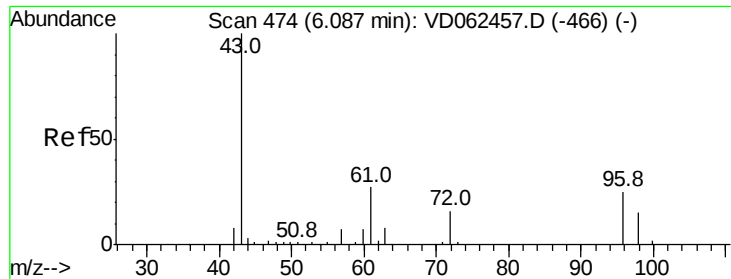
40000

20000

0

Time-->

4.80 4.90 5.00 5.10 5.20



#25

2-Butanone

Concen: 241.199 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

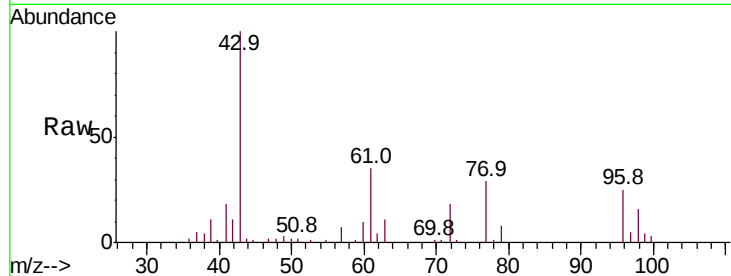
VSTDCCC050

Tot Ion: 43 Resp: 186863

Ion Ratio Lower Upper

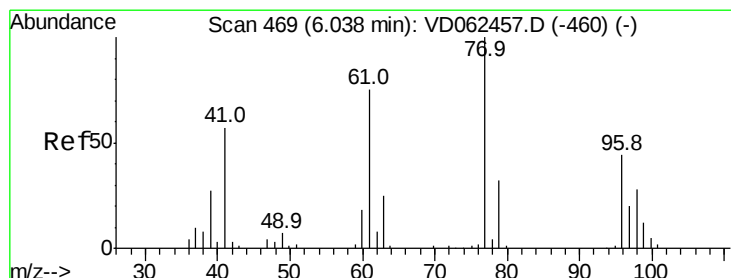
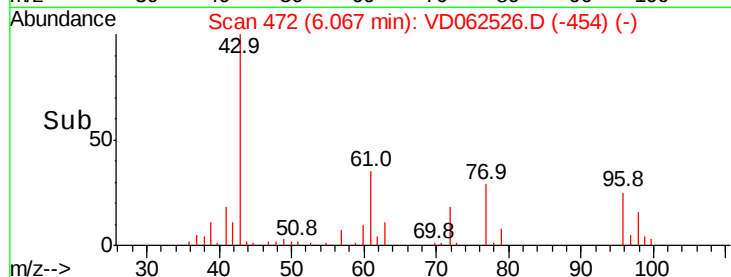
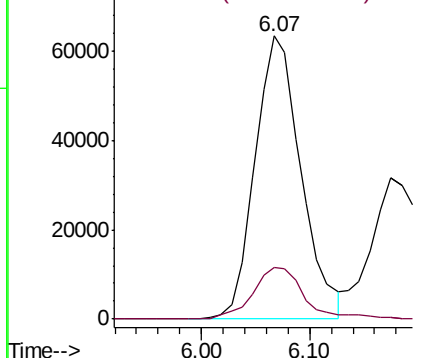
43 100

72 18.2 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 57.884 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD062526.D

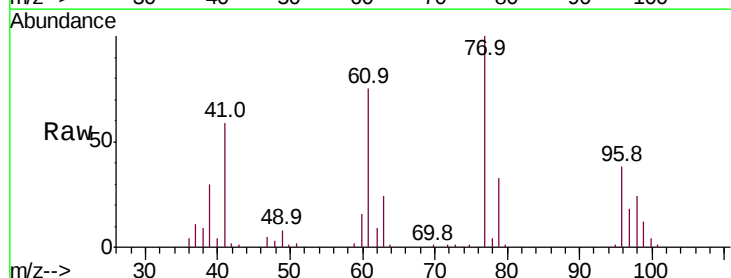
Acq: 24 May 2019 11:39

Tgt Ion: 77 Resp: 360677

Ion Ratio Lower Upper

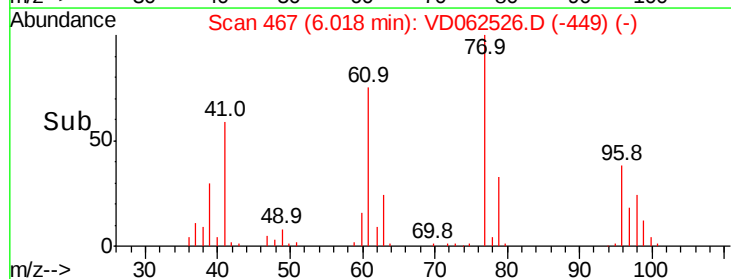
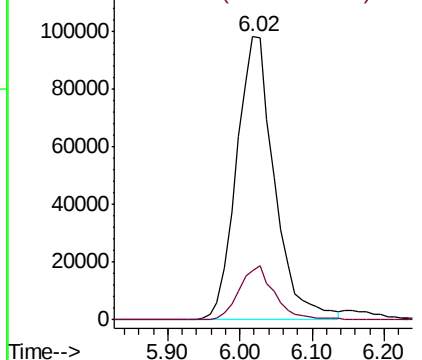
77 100

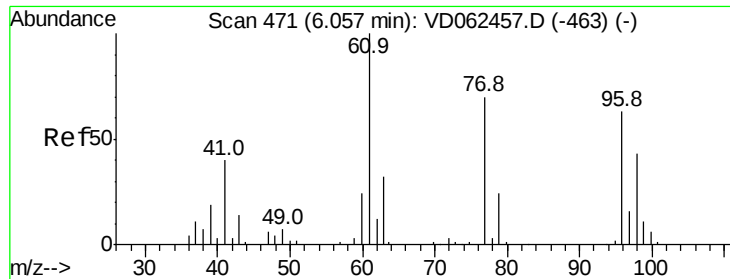
97 17.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



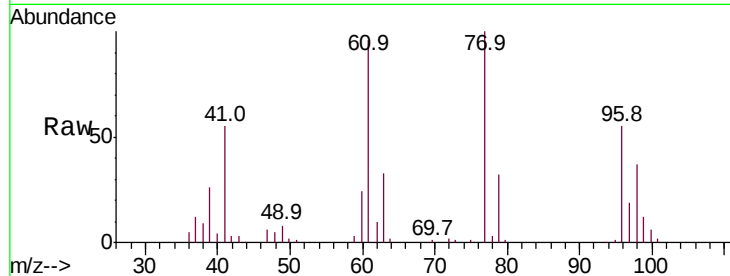


#27

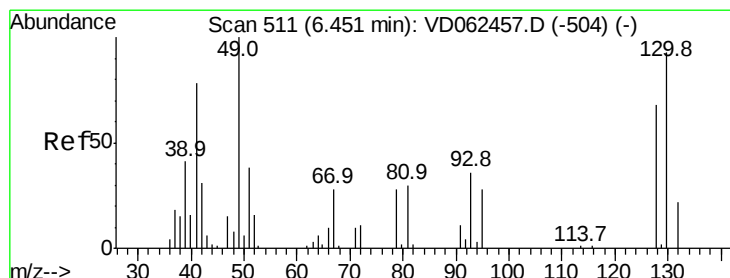
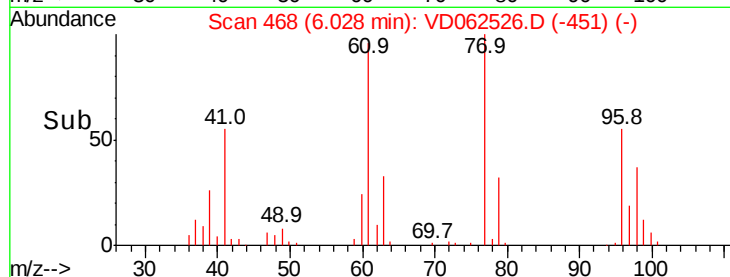
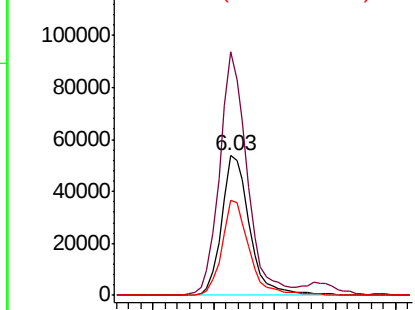
cis-1,2-Dichloroethene
 Concen: 47.890 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.03 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 172884
 Ion Ratio Lower Upper
 96 100
 61 174.8 0.0 279.8
 98 68.2 0.0 136.0



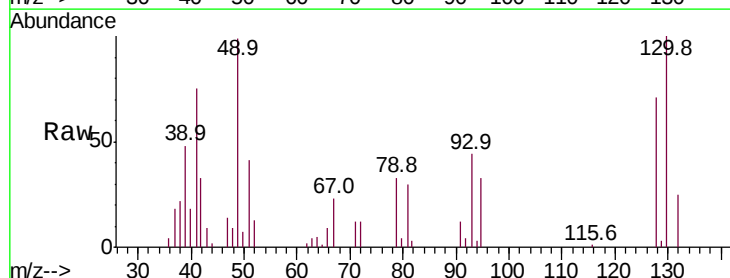
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



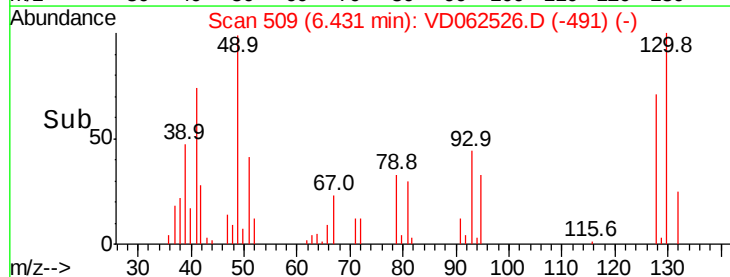
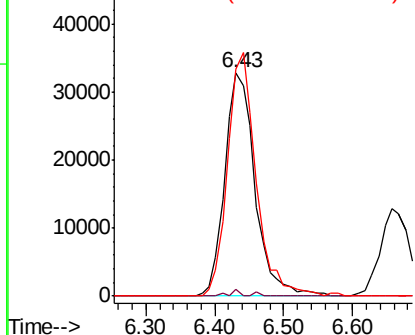
#28

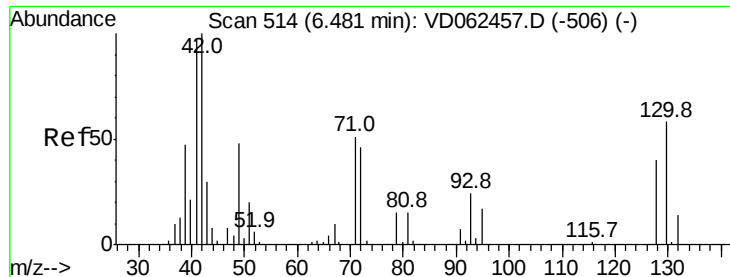
Bromochloromethane
 Concen: 48.274 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

Tgt Ion: 49 Resp: 100151
 Ion Ratio Lower Upper
 49 100
 129 3.3 0.0 6.6
 130 101.5 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 226.132 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.03 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

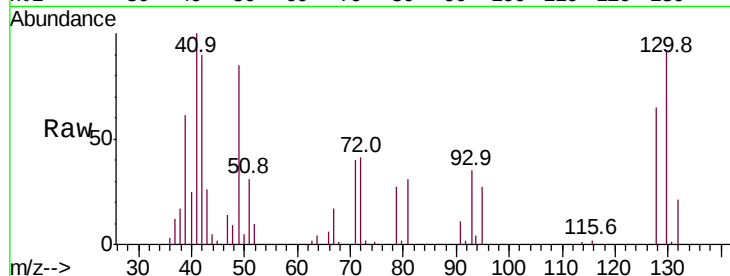
Tot Ion: 42 Resp: 83669

Ion Ratio Lower Upper

42 100

72 43.9 37.8 56.6

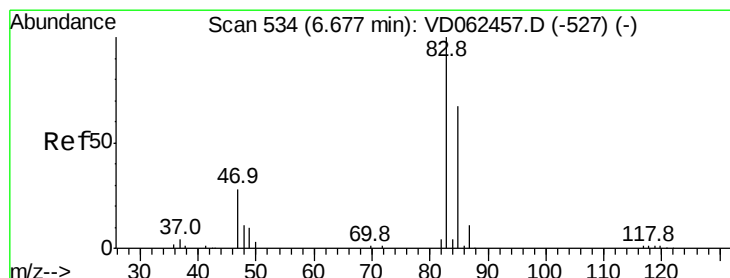
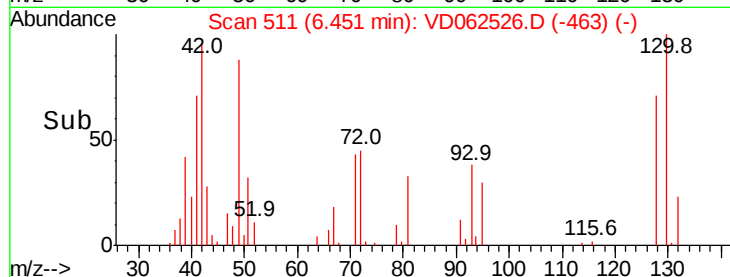
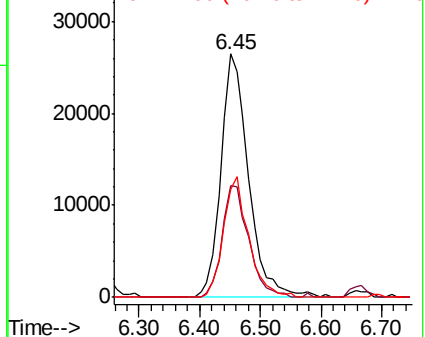
71 45.1 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 52.050 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.02 min

Lab File: VD062526.D

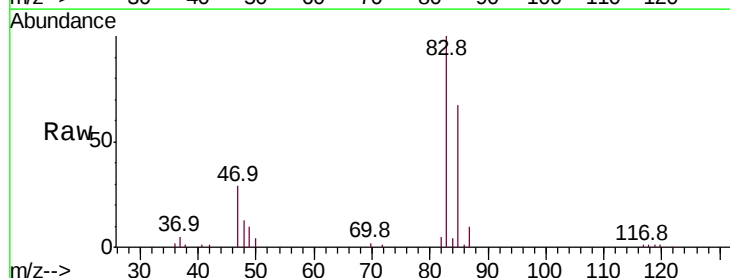
Acq: 24 May 2019 11:39

Tgt Ion: 83 Resp: 383576

Ion Ratio Lower Upper

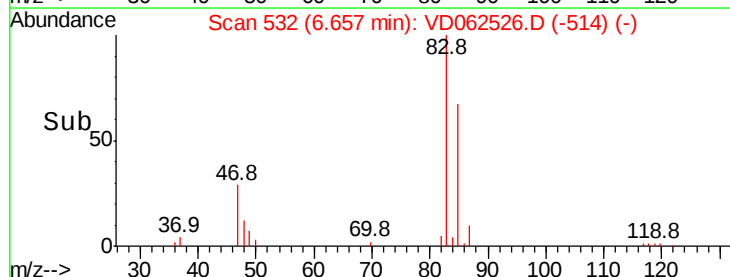
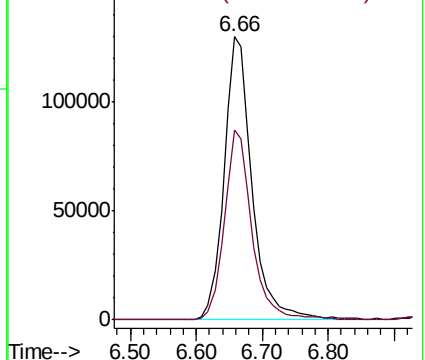
83 100

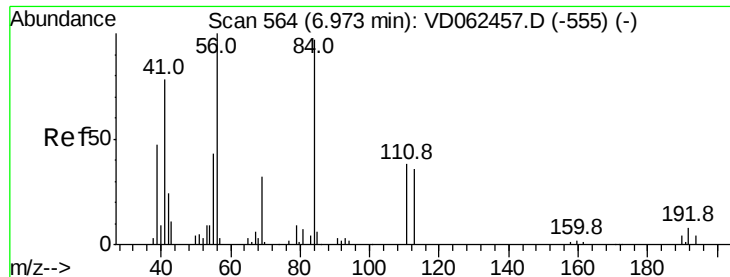
85 66.9 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

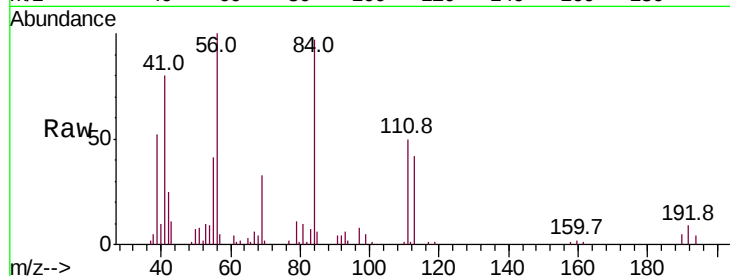




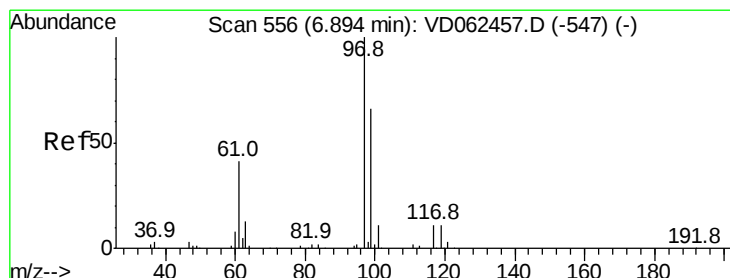
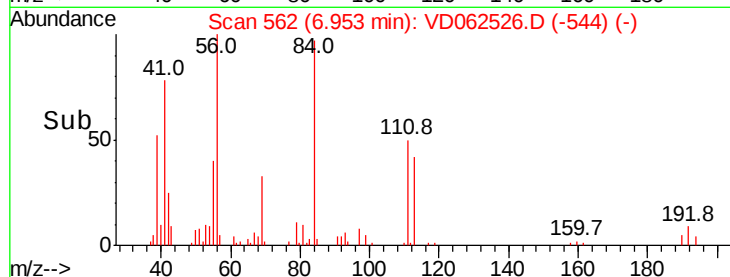
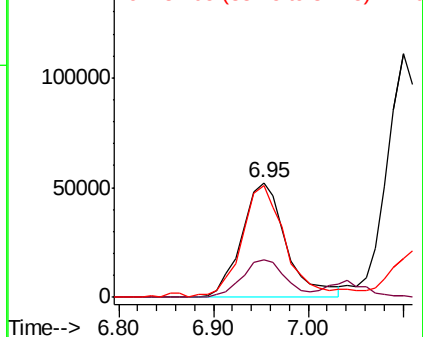
#31
Cvclohexane
Concen: 43.902 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.02 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 171345
Ion Ratio Lower Upper
56 100
69 32.9 25.8 38.6
84 97.1 72.2 108.4

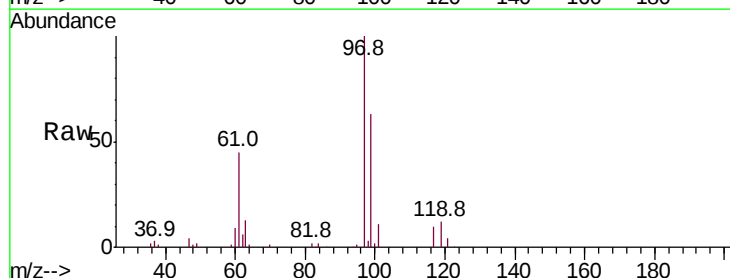


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

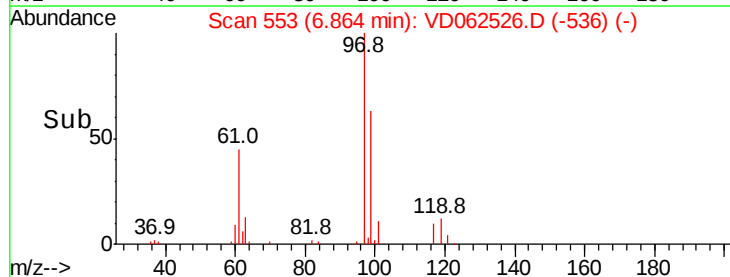
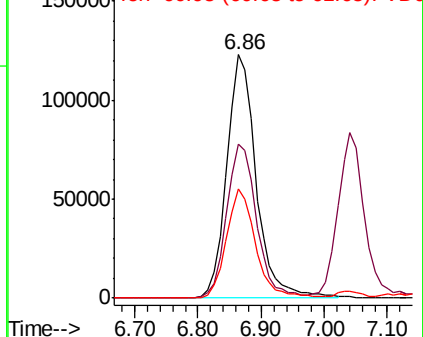


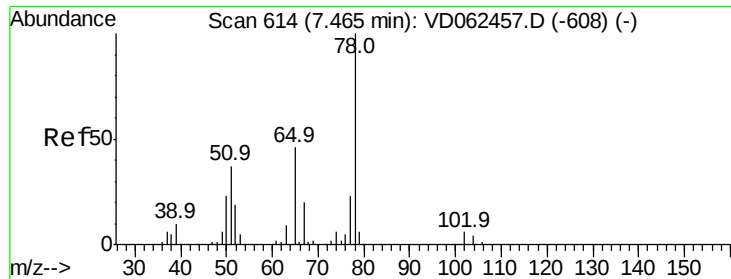
#32
1,1,1-Trichloroethane
Concen: 53.223 ug/l
RT: 6.86 min Scan# 553
Delta R.T. -0.03 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Tgt Ion: 97 Resp: 395981
Ion Ratio Lower Upper
97 100
99 63.3 52.2 78.2
61 44.8 32.4 48.6



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: 60.022 ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

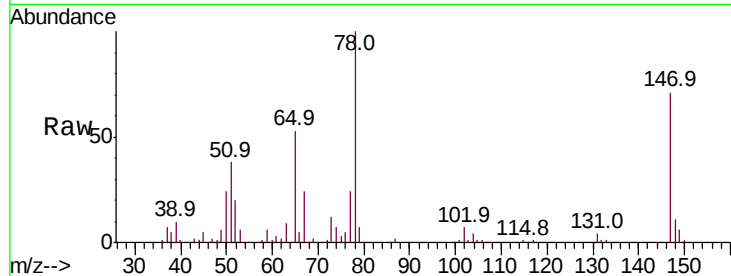
VSTDCCC050

Tot Ion: 65 Resp: 248103

Ion Ratio Lower Upper

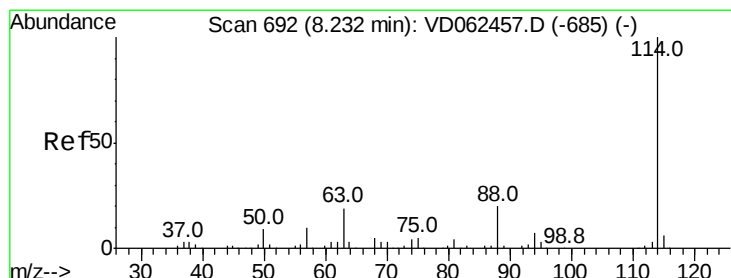
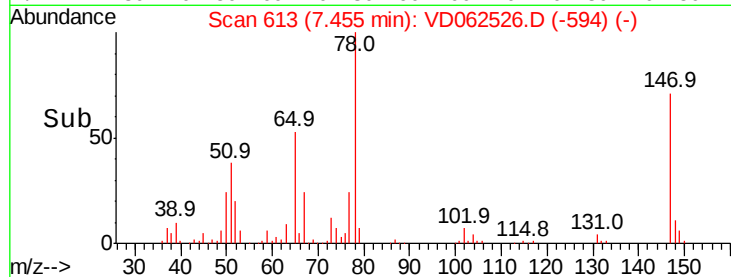
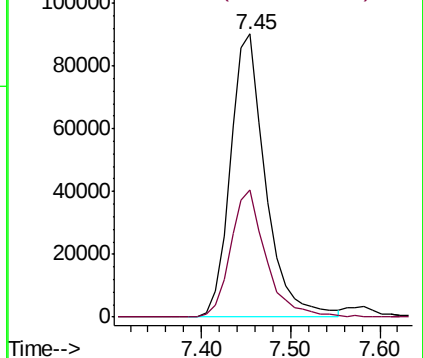
65 100

67 44.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

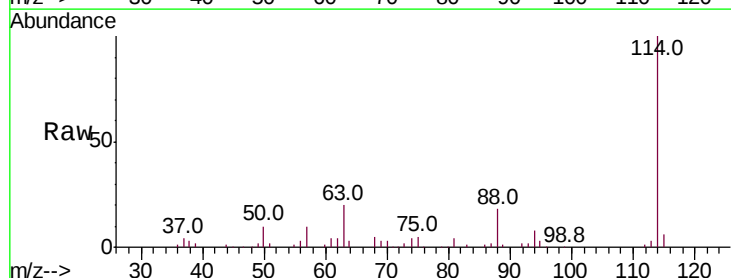
Tgt Ion: 114 Resp: 508418

Ion Ratio Lower Upper

114 100

63 20.4 0.0 32.4

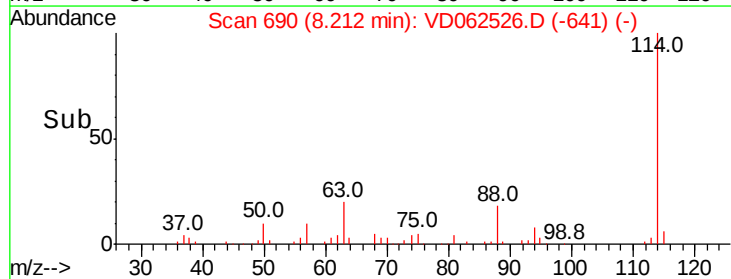
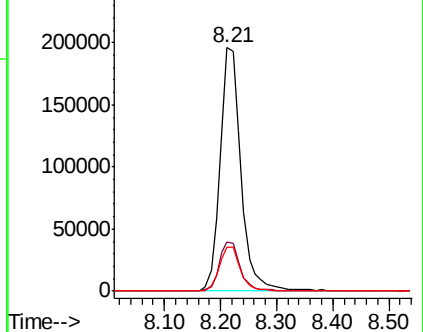
88 18.1 0.0 33.6

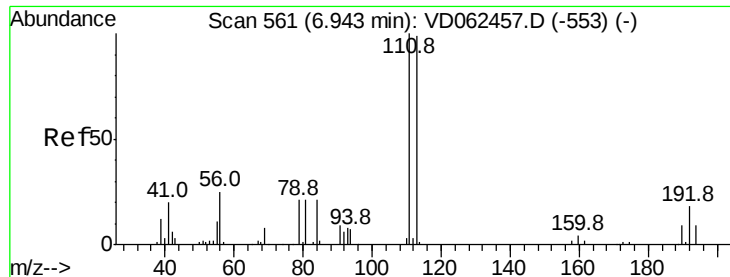


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

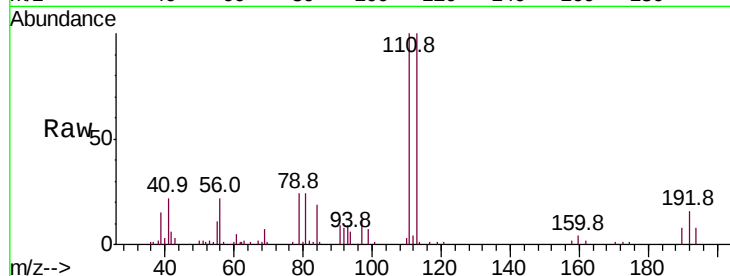




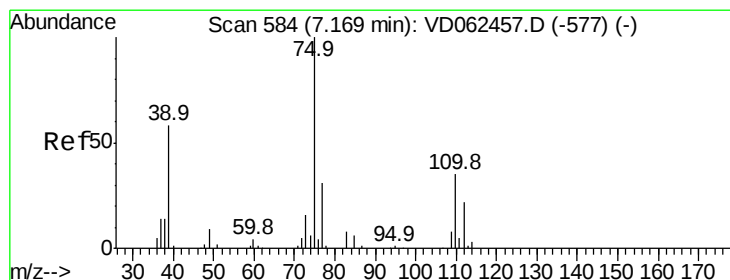
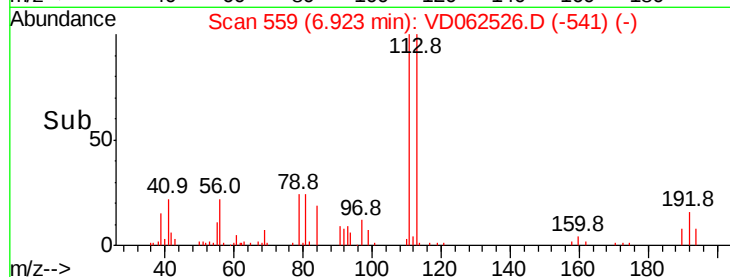
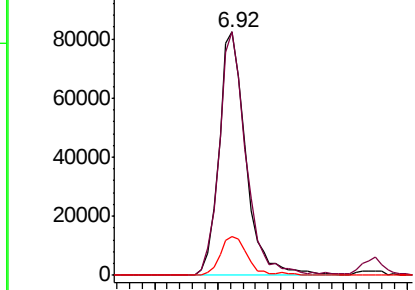
#35
 Dibromofluoromethane
 Concen: 53.198 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 243997
 Ion Ratio Lower Upper
 113 100
 111 99.8 78.5 117.7
 192 16.0 13.0 19.4

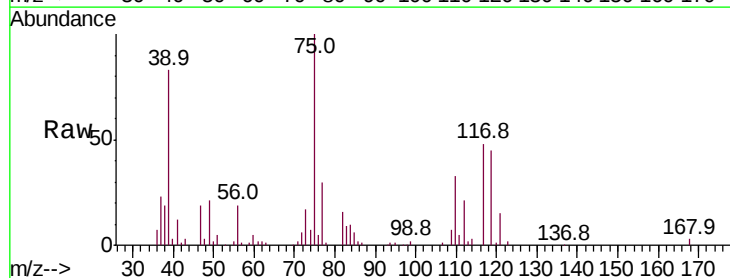


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

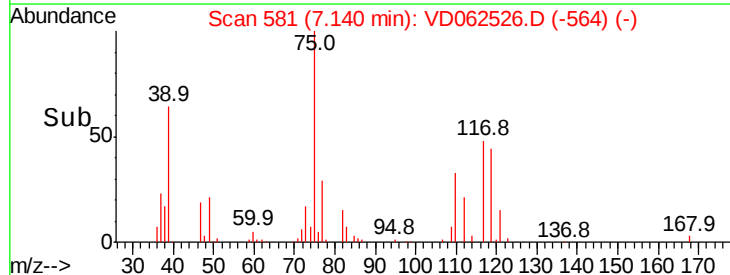
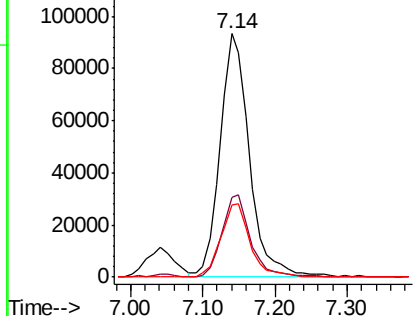


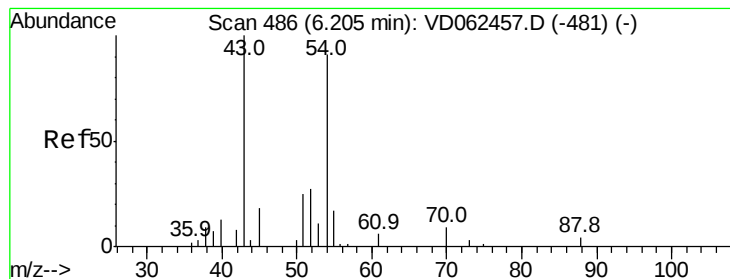
#36
 1,1-Dichloropropene
 Concen: 54.085 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.03 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

Tgt Ion: 75 Resp: 262898
 Ion Ratio Lower Upper
 75 100
 110 32.5 19.1 57.1
 77 29.8 25.6 38.4



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: 58.061 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.03 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

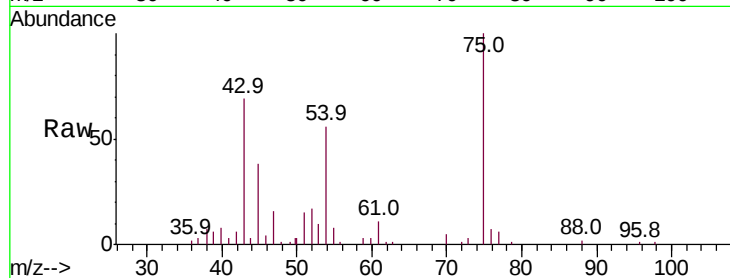
Tot Ion: 43 Resp: 109639

Ion Ratio Lower Upper

43 100

61 15.3 14.7 22.1

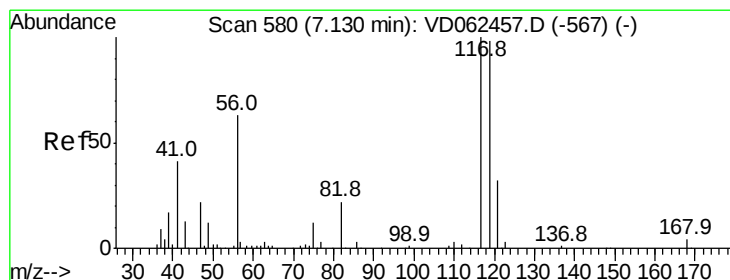
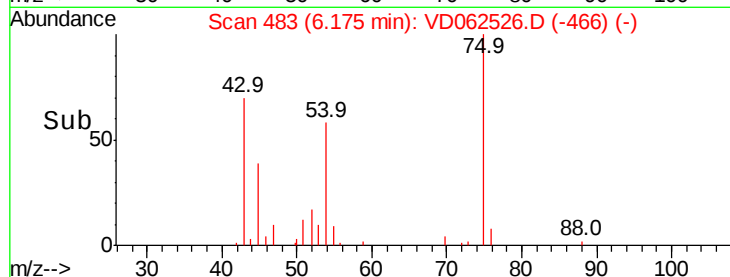
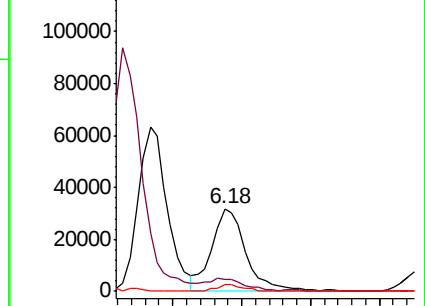
70 7.7 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 59.000 ug/l m

RT: 7.11 min Scan# 578

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

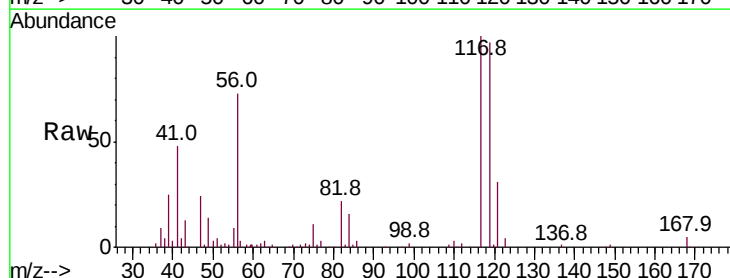
Tgt Ion: 117 Resp: 426232

Ion Ratio Lower Upper

117 100

119 97.0 75.8 113.8

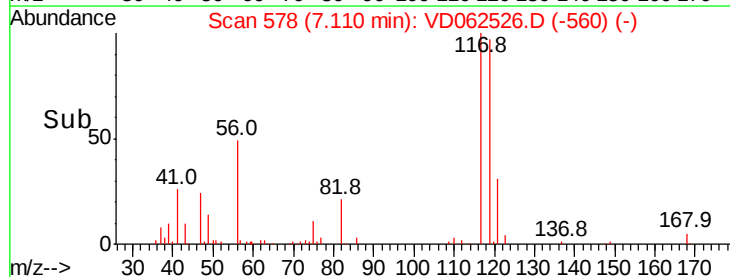
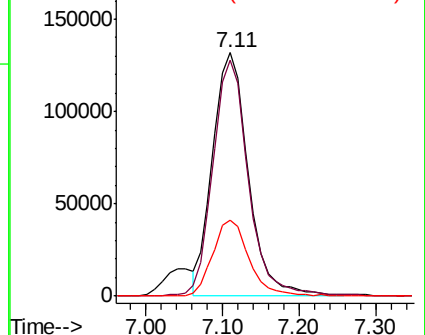
121 31.1 25.9 38.9

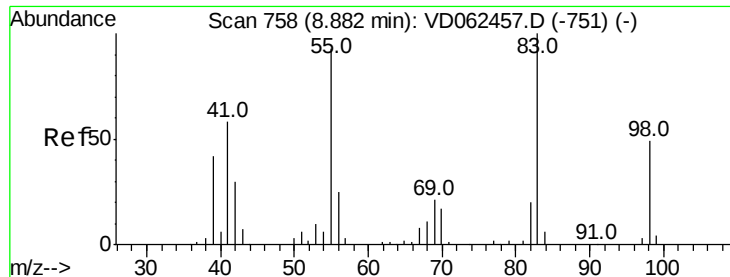


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

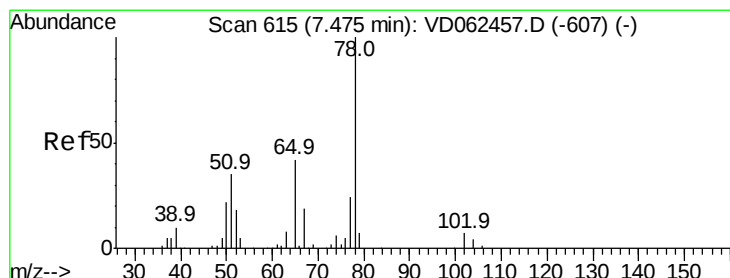
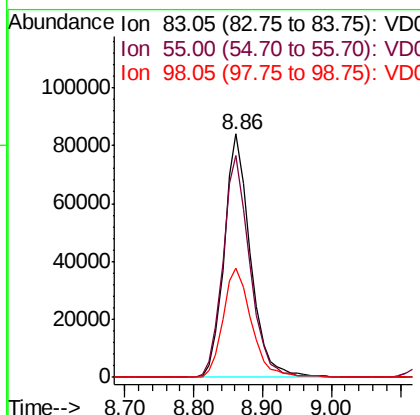
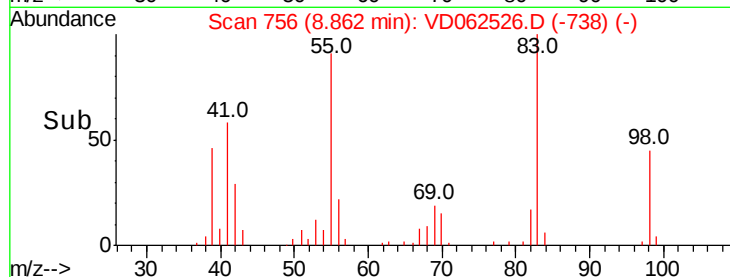
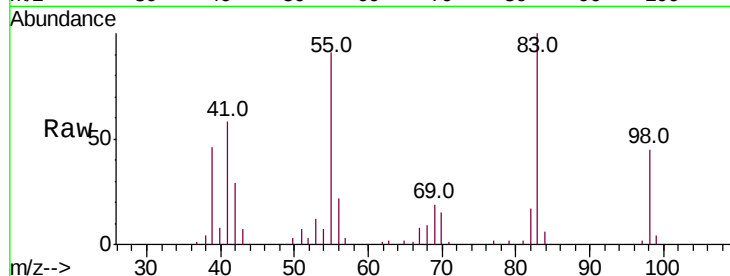




#39
Methvlcvclohexane
Concen: 55.198 ug/l
RT: 8.86 min Scan# 756
Delta R.T. -0.02 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

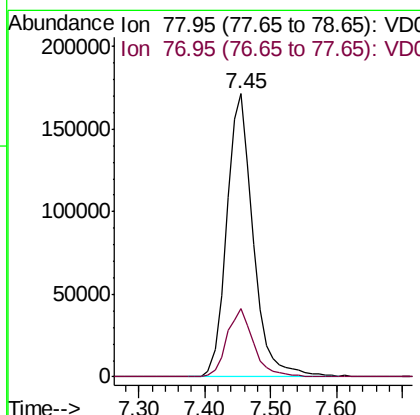
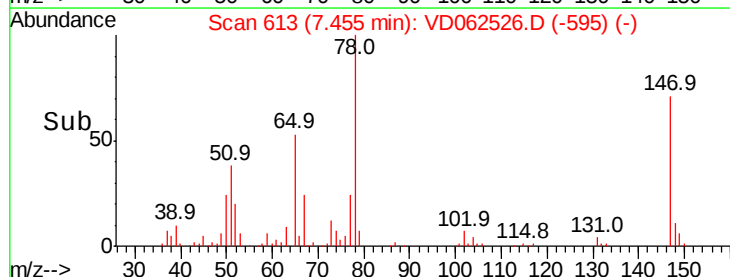
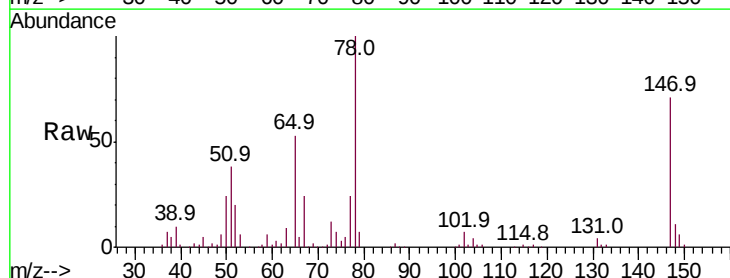
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

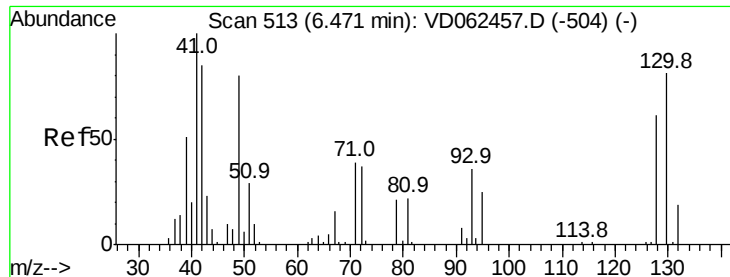
Tot Ion: 83 Resp: 221299
Ion Ratio Lower Upper
83 100
55 90.9 68.2 102.4
98 45.1 38.2 57.4



#40
Benzene
Concen: 50.597 ug/l
RT: 7.45 min Scan# 613
Delta R.T. -0.02 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Tgt Ion: 78 Resp: 482425
Ion Ratio Lower Upper
78 100
77 24.2 19.7 29.5

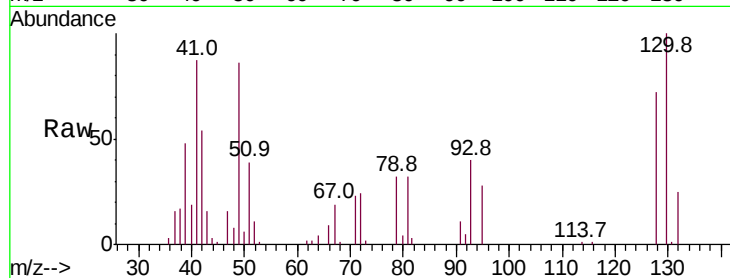




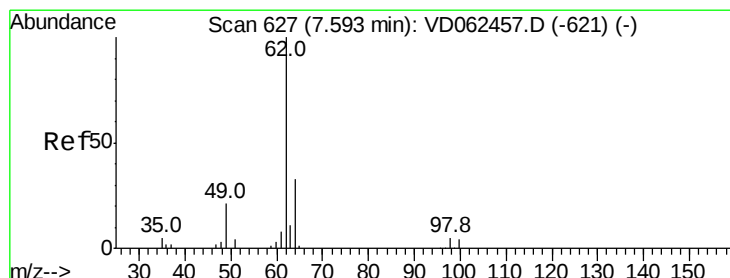
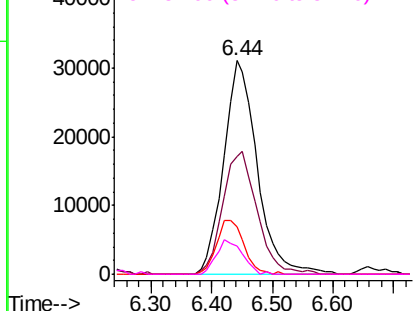
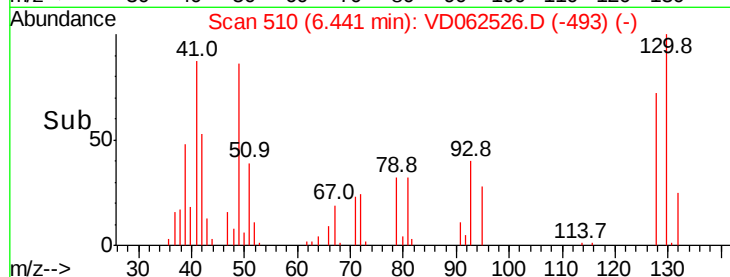
#41
Methacrylonitrile
Concen: 50.269 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.03 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 119219
Ion Ratio Lower Upper
41 100
39 55.2 34.1 51.1#
67 22.0 23.8 35.6#
52 14.3 8.8 13.2#

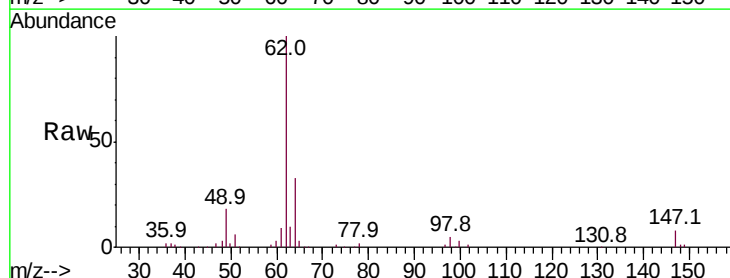


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

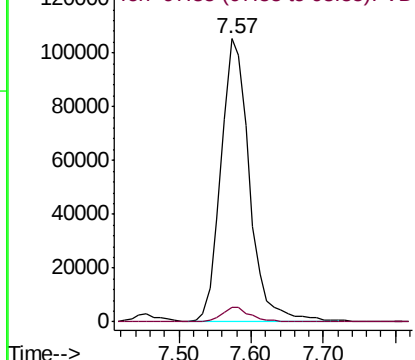
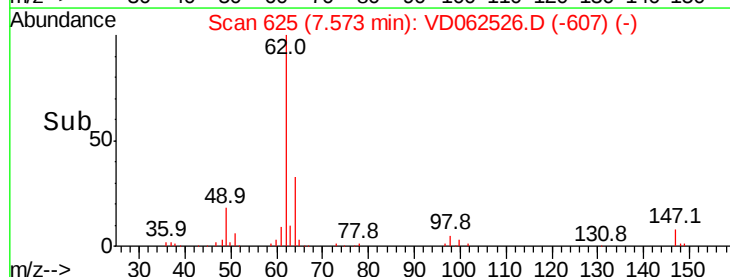


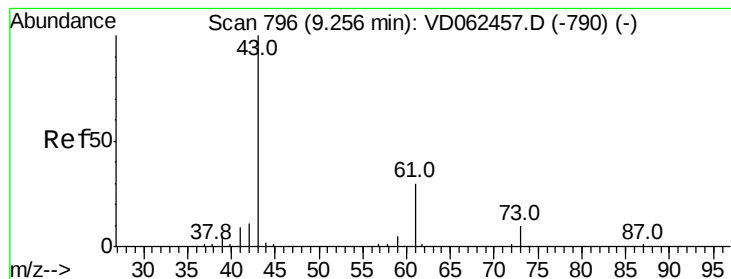
#42
1,2-Dichloroethane
Concen: 57.352 ug/l
RT: 7.57 min Scan# 625
Delta R.T. -0.02 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Tgt Ion: 62 Resp: 289562
Ion Ratio Lower Upper
62 100
98 5.2 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 51.854 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

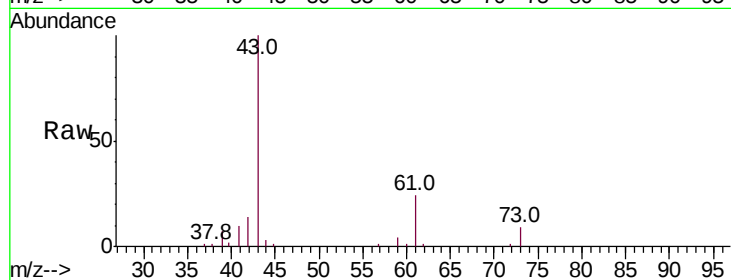
Tot Ion: 43 Resp: 129898

Ion Ratio Lower Upper

43 100

61 24.5 25.1 37.7#

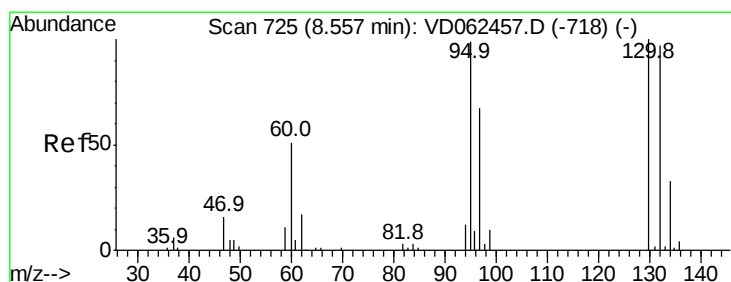
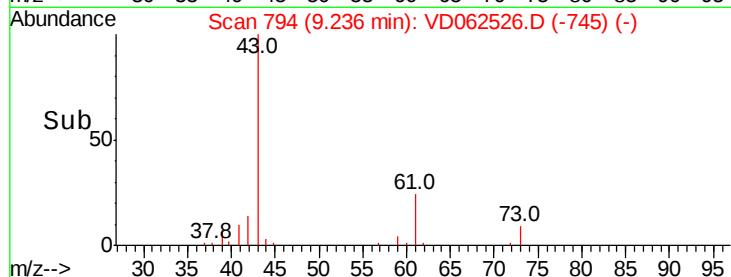
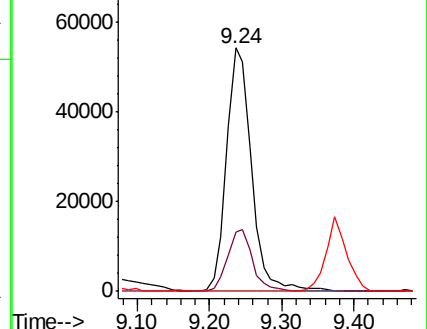
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 54.695 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.02 min

Lab File: VD062526.D

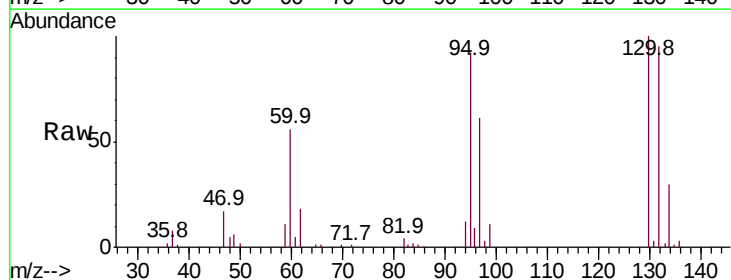
Acq: 24 May 2019 11:39

Tgt Ion:130 Resp: 208801

Ion Ratio Lower Upper

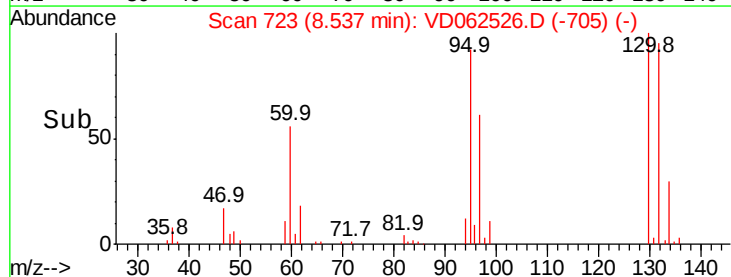
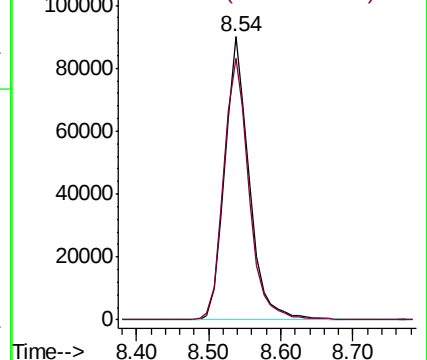
130 100

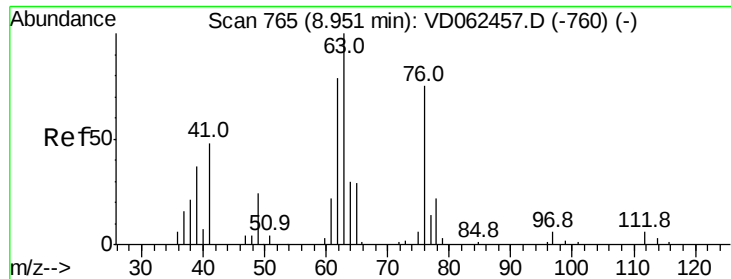
95 92.4 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.629 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

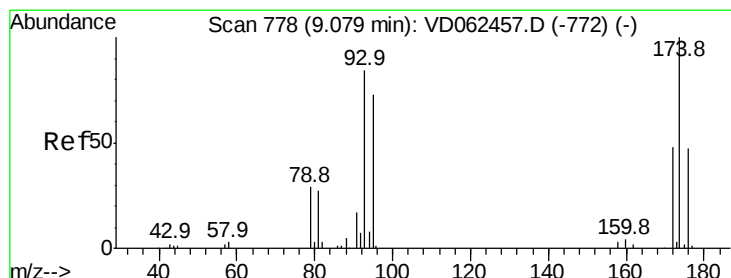
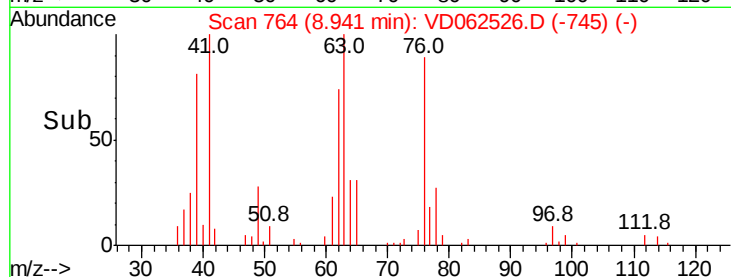
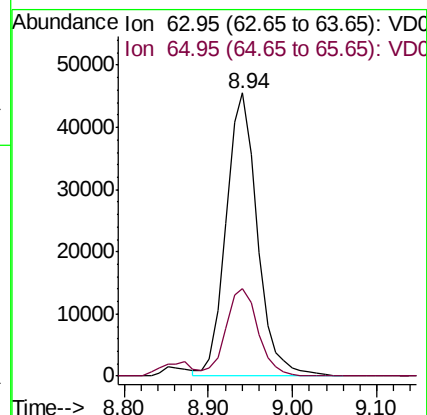
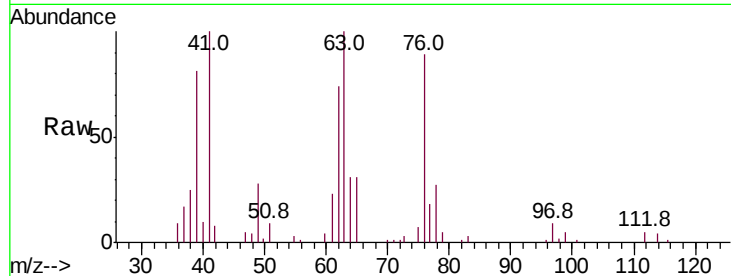
VSTDCCC050

Tot Ion: 63 Resp: 117639

Ion Ratio Lower Upper

63 100

65 30.7 23.8 35.6



#46

Dibromomethane

Concen: 55.313 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

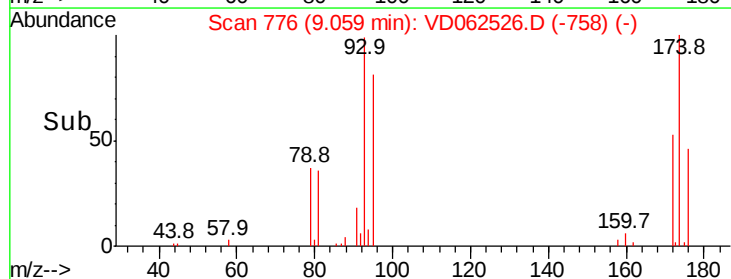
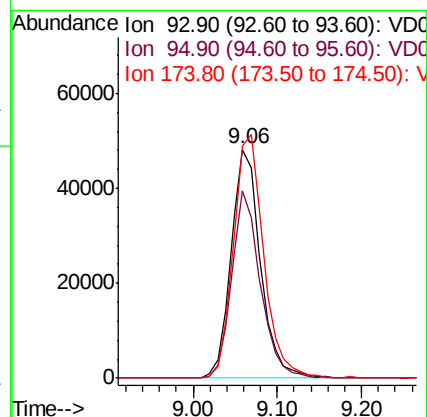
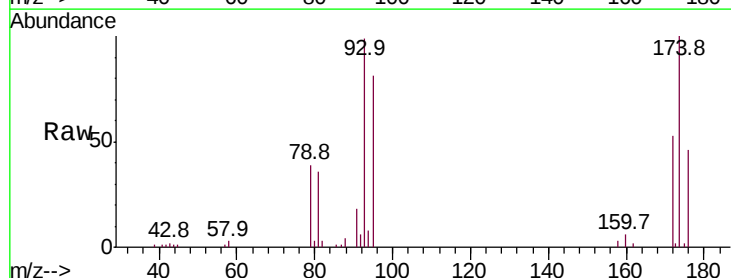
Tgt Ion: 93 Resp: 116502

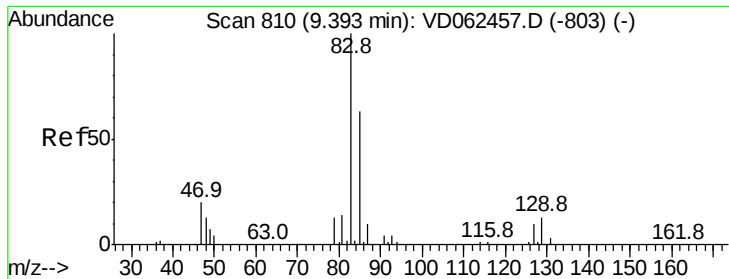
Ion Ratio Lower Upper

93 100

95 81.8 64.8 97.2

174 101.3 79.3 118.9





#47

Bromodichloromethane

Concen: 58.428 ug/l

RT: 9.37 min Scan# 808

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

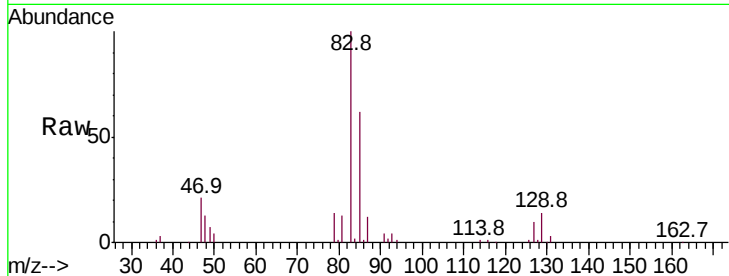
Tot Ion: 83 Resp: 313058

Ion Ratio Lower Upper

83 100

85 61.7 50.9 76.3

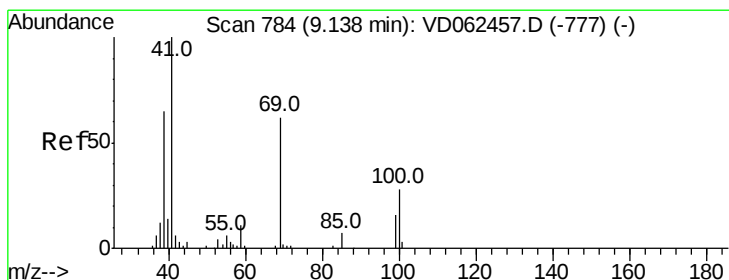
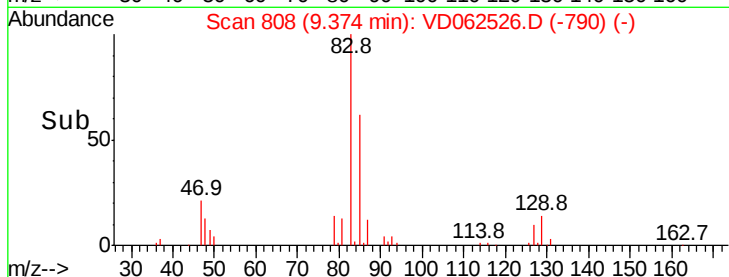
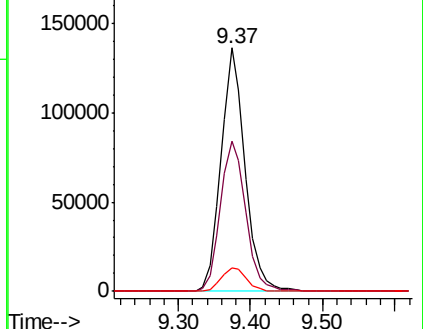
127 9.7 8.1 12.1



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: 52.929 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

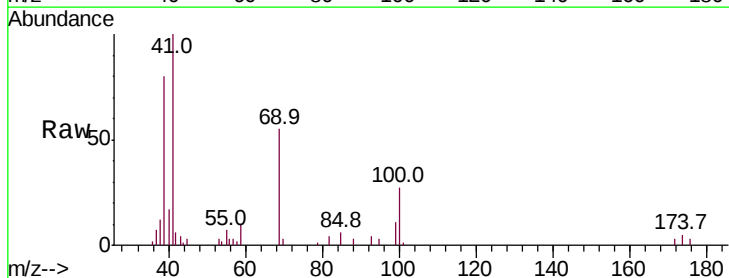
Tgt Ion: 41 Resp: 89228

Ion Ratio Lower Upper

41 100

69 54.5 64.2 96.2#

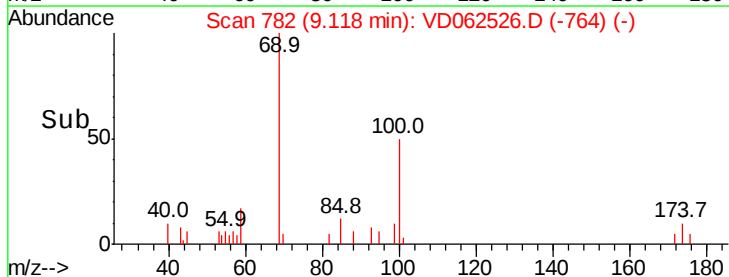
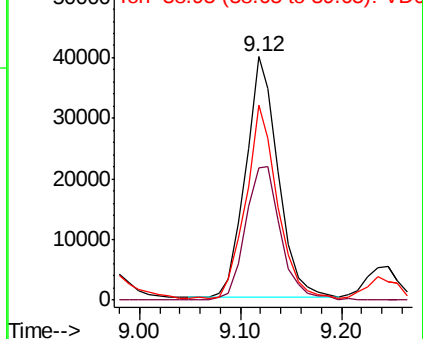
39 80.3 46.8 70.2#

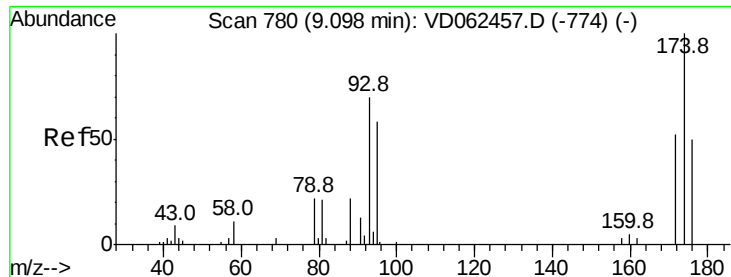


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

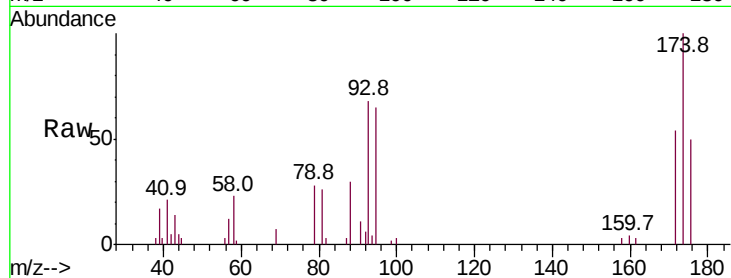




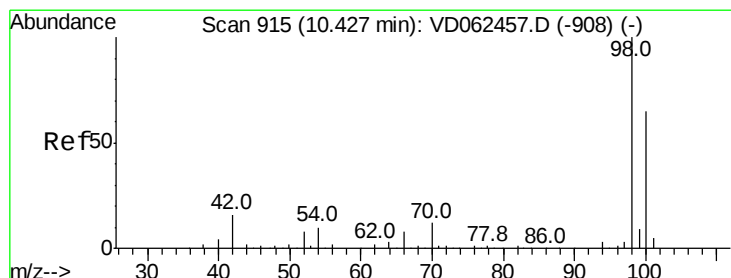
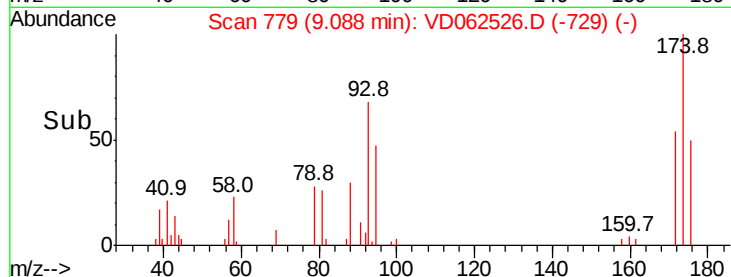
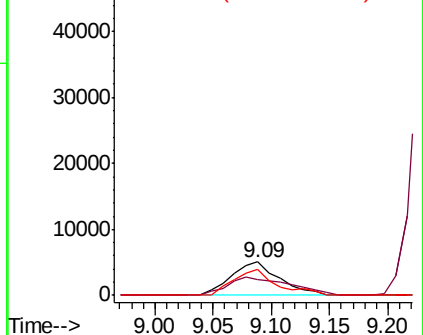
#49
 1,4-Dioxane
 Concen: 951.717 ug/l
 RT: 9.09 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 14391
 Ion Ratio Lower Upper
 88 100
 43 45.8 23.4 35.0#
 58 85.2 44.0 66.0#

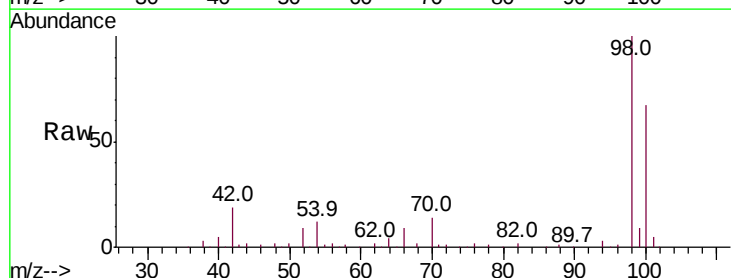


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

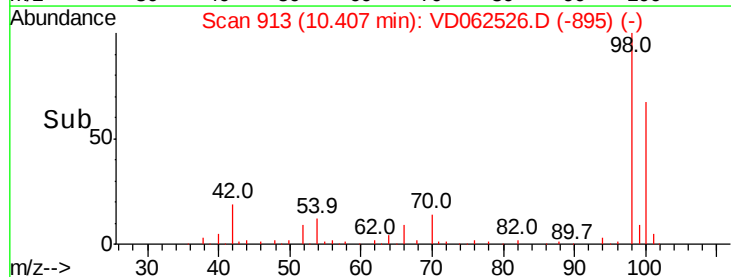
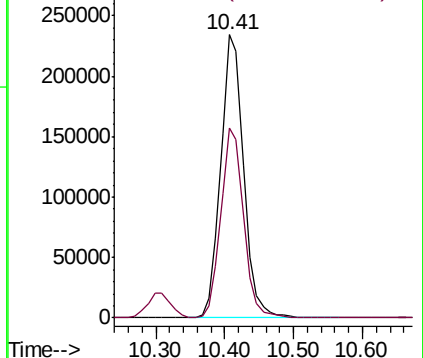


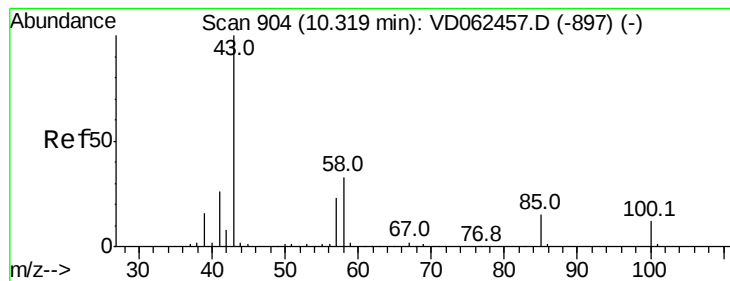
#50
 Toluene-d8
 Concen: 53.522 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

Tgt Ion: 98 Resp: 537211
 Ion Ratio Lower Upper
 98 100
 100 67.1 53.8 80.8



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: 264.173 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

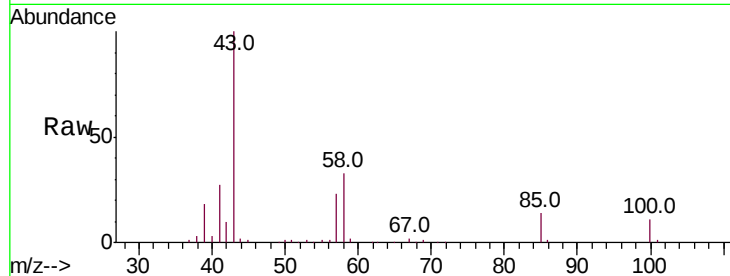
VSTDCCC050

Tot Ion: 43 Resp: 437185

Ion Ratio Lower Upper

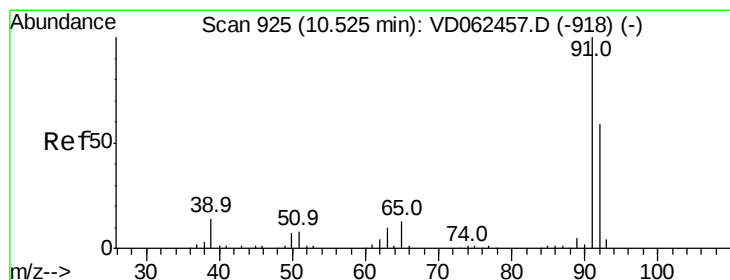
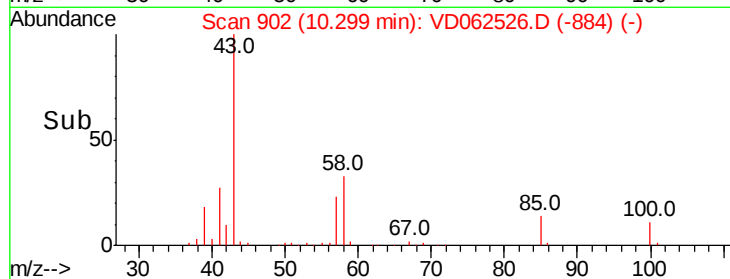
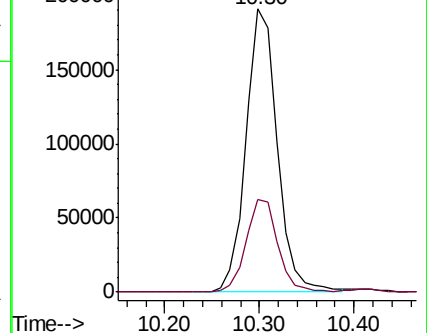
43 100

58 32.9 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.536 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD062526.D

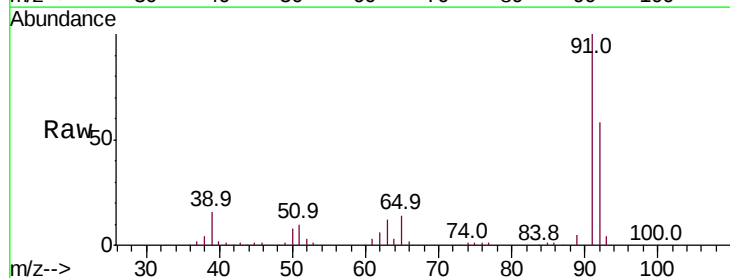
Acq: 24 May 2019 11:39

Tgt Ion: 92 Resp: 329859

Ion Ratio Lower Upper

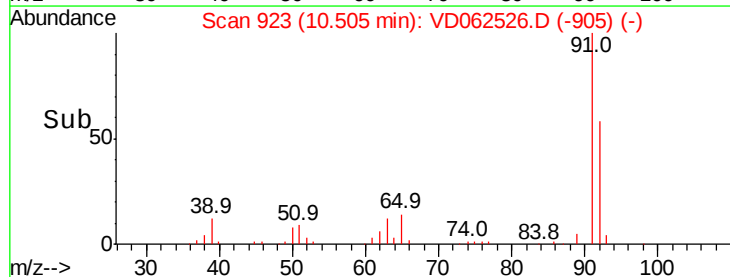
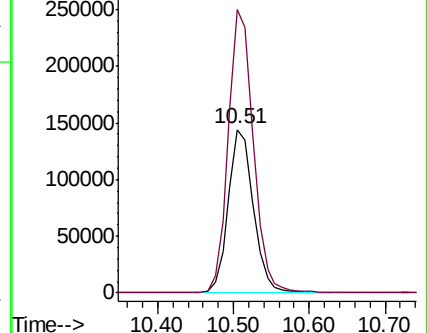
92 100

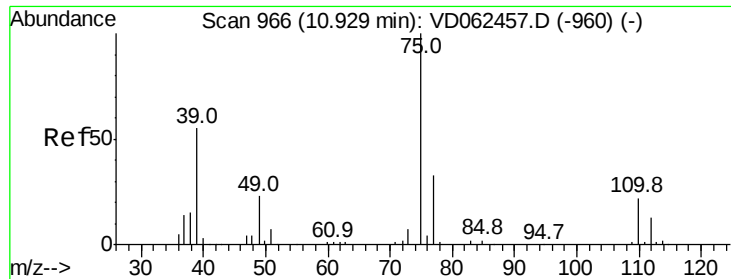
91 173.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

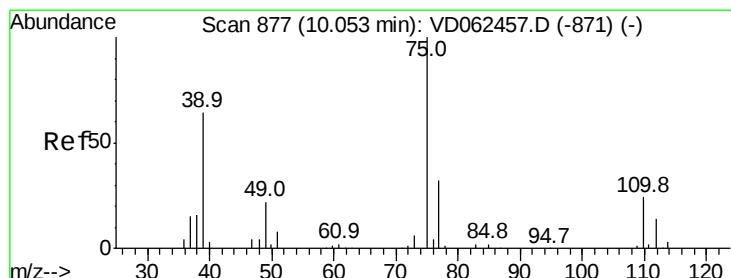
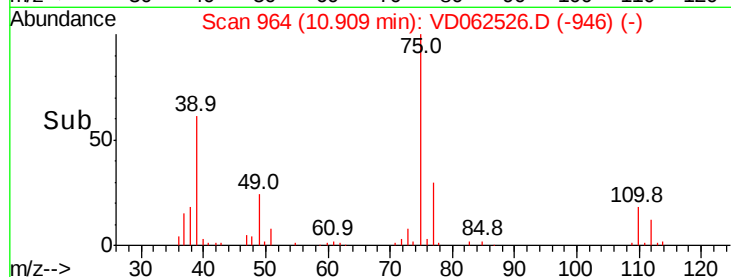
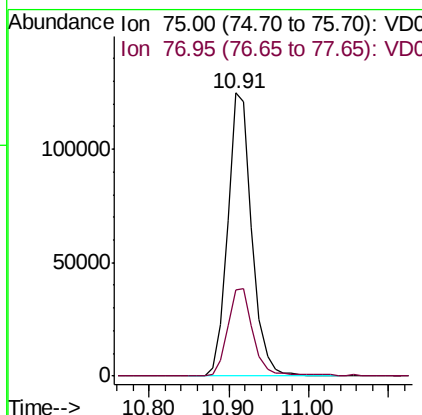
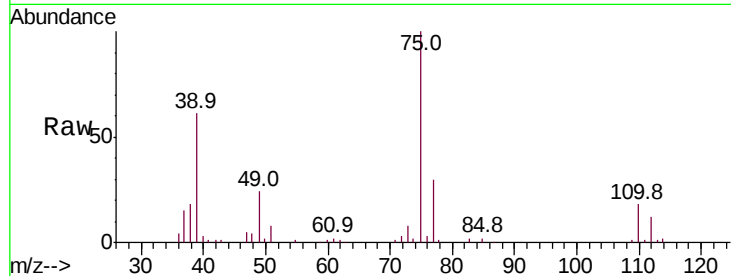




#53
 t-1,3-Dichloropropene
 Concen: 59.129 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

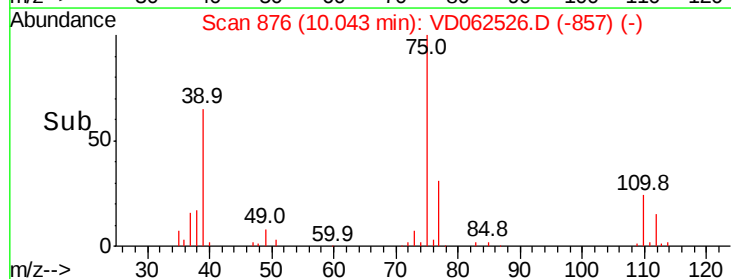
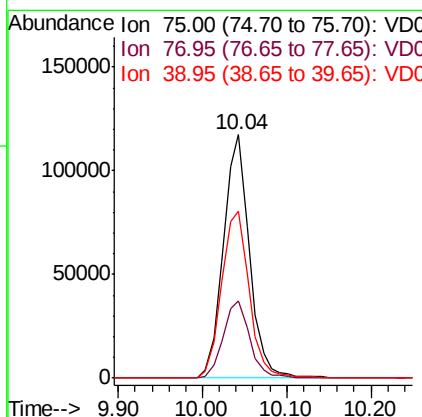
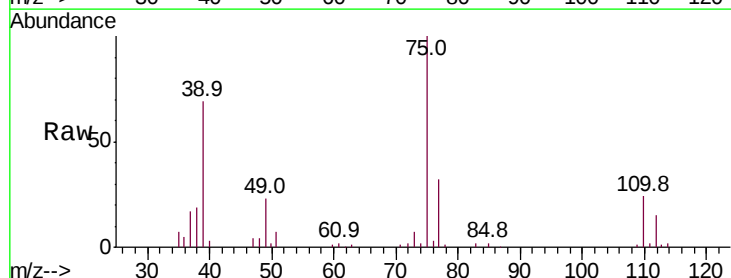
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

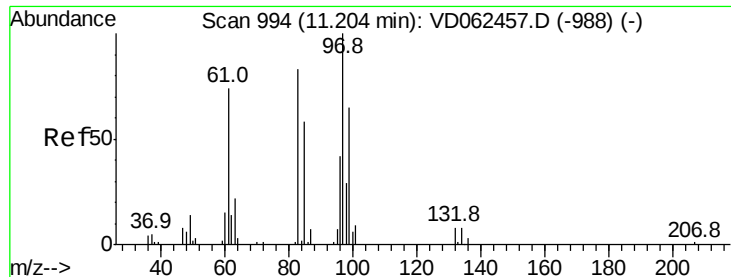
Tot Ion: 75 Resp: 263762
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 54.193 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

Tgt Ion: 75 Resp: 252250
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3
 39 68.8 39.4 59.2#

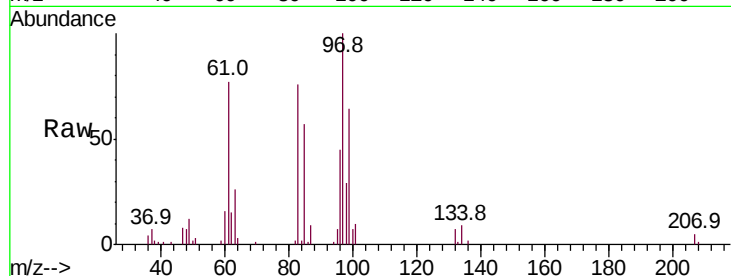




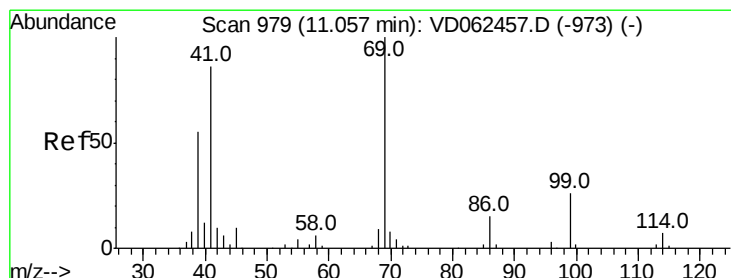
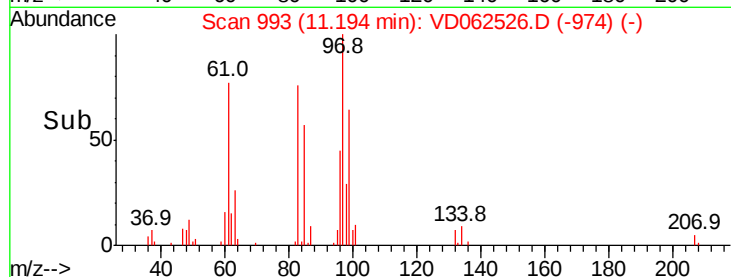
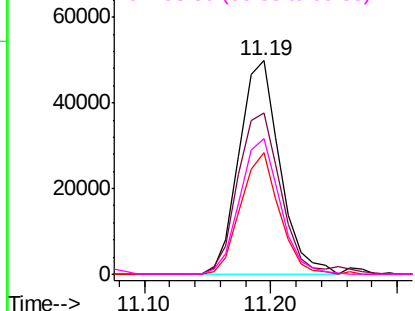
#55
 1,1,2-Trichloroethane
 Concen: 50.469 ug/l
 RT: 11.19 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 111648
 Ion Ratio Lower Upper
 97 100
 83 75.6 65.7 98.5
 85 57.1 45.6 68.4
 99 63.5 48.4 72.6

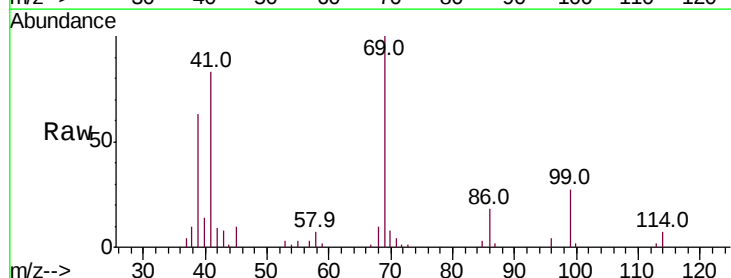


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

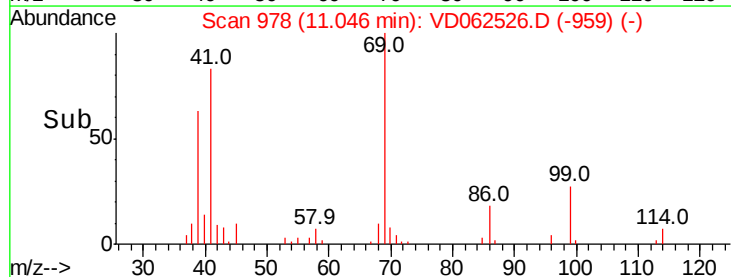
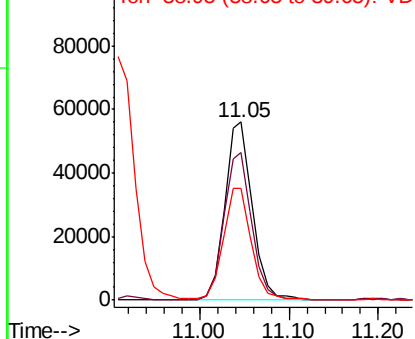


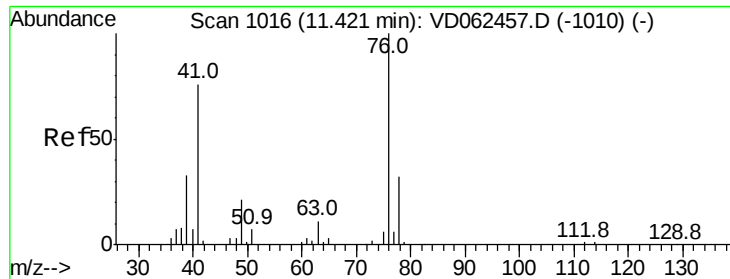
#56
 Ethyl methacrylate
 Concen: 51.282 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

Tgt Ion: 69 Resp: 121276
 Ion Ratio Lower Upper
 69 100
 41 83.4 56.3 84.5
 39 62.7 29.4 44.2#



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: 51.431 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

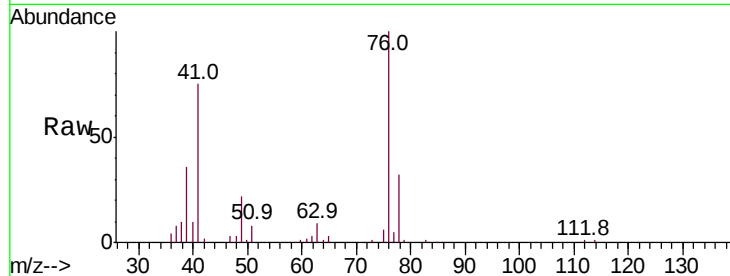
VSTDCCC050

Tot Ion: 76 Resp: 174487

Ion Ratio Lower Upper

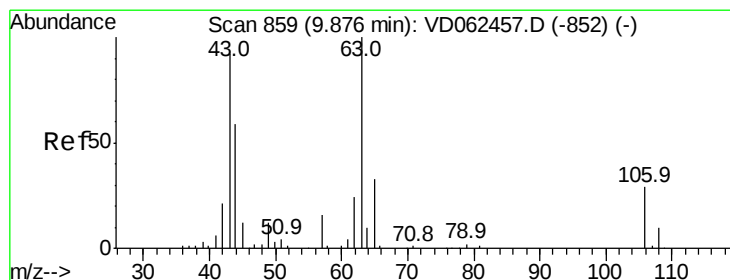
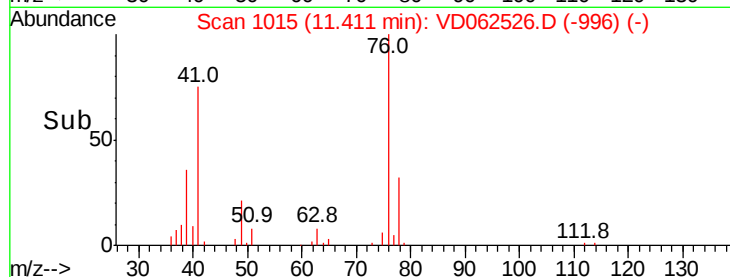
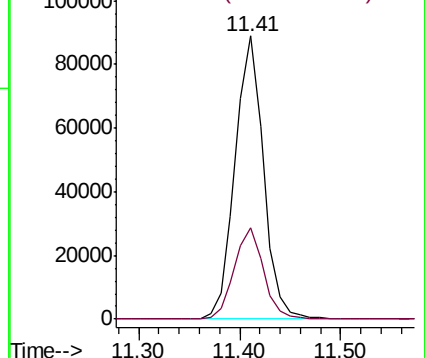
76 100

78 32.4 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 236.622 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.02 min

Lab File: VD062526.D

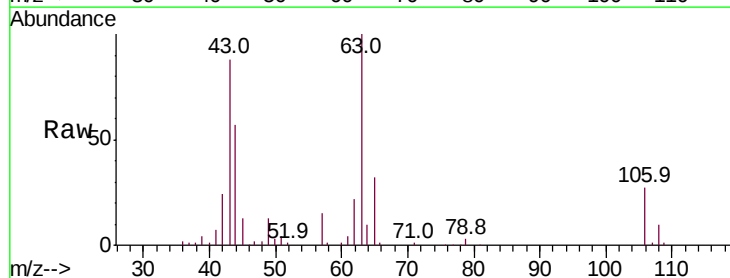
Acq: 24 May 2019 11:39

Tgt Ion: 63 Resp: 287343

Ion Ratio Lower Upper

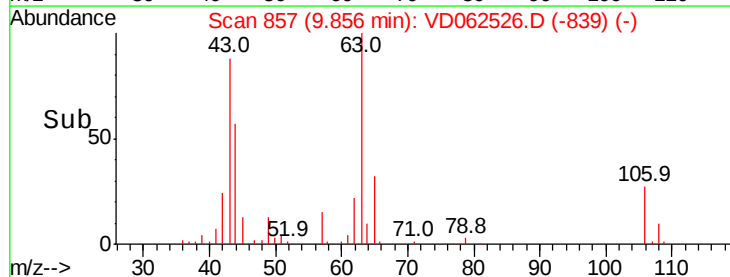
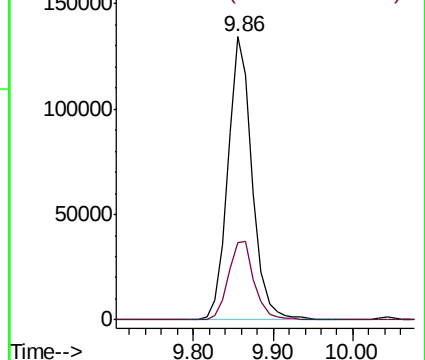
63 100

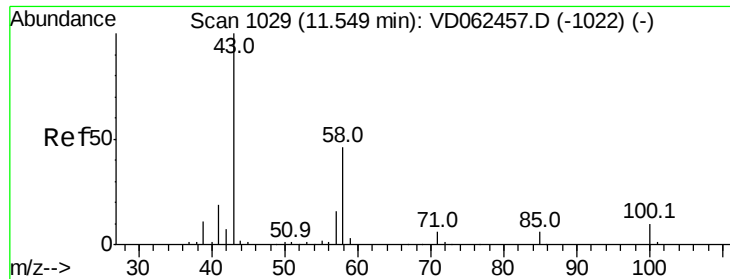
106 27.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 280.918 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

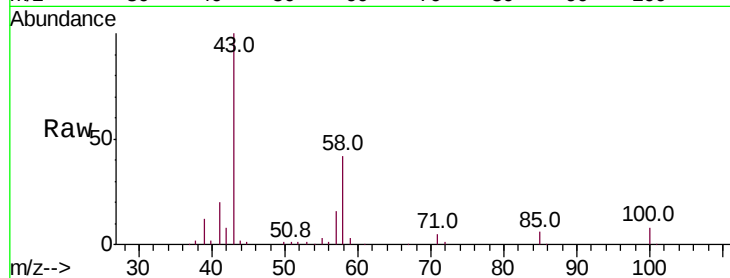
VSTDCCC050

Tot Ion: 43 Resp: 337877

Ion Ratio Lower Upper

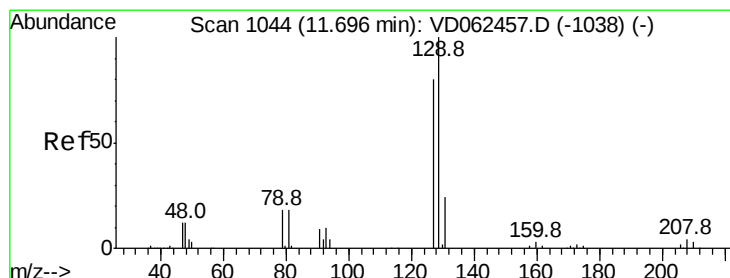
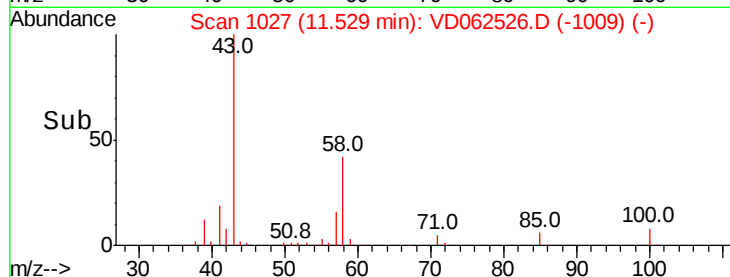
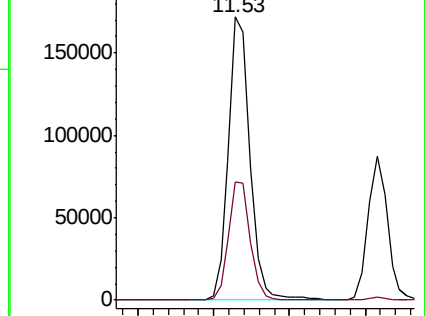
43 100

58 41.9 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 58.870 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VD062526.D

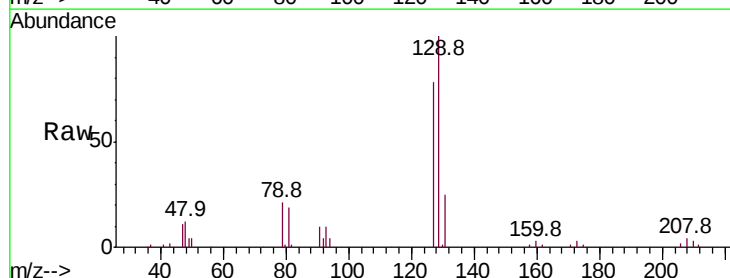
Acq: 24 May 2019 11:39

Tgt Ion: 129 Resp: 250136

Ion Ratio Lower Upper

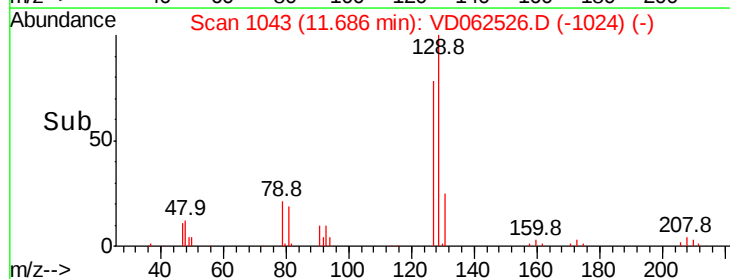
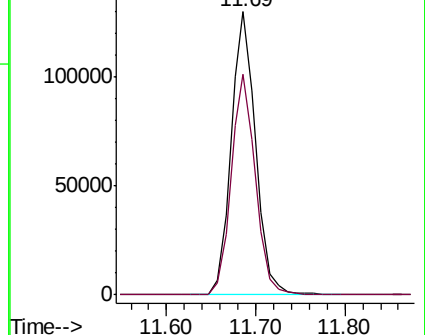
129 100

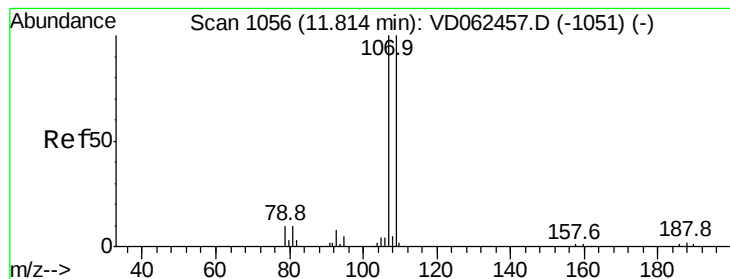
127 78.1 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 54.032 ug/l

RT: 11.80 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

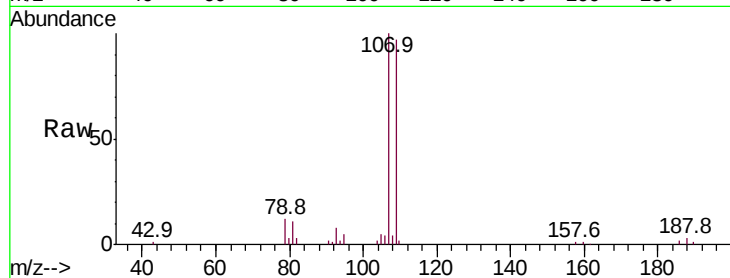
VSTDCCC050

Tot Ion:107 Resp: 147304

Ion Ratio Lower Upper

107 100

109 96.8 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.80

80000

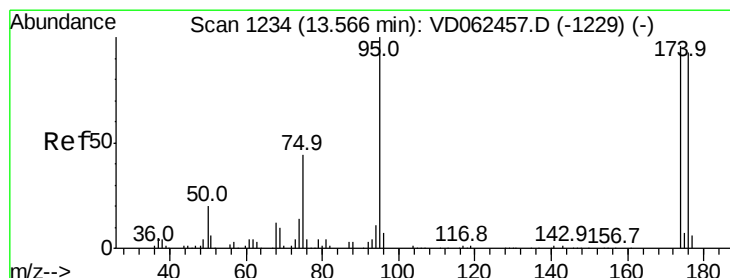
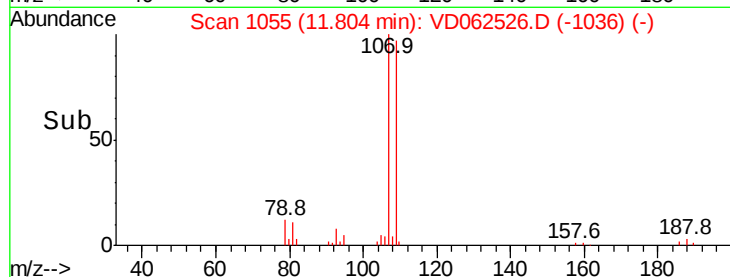
60000

40000

20000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 55.889 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

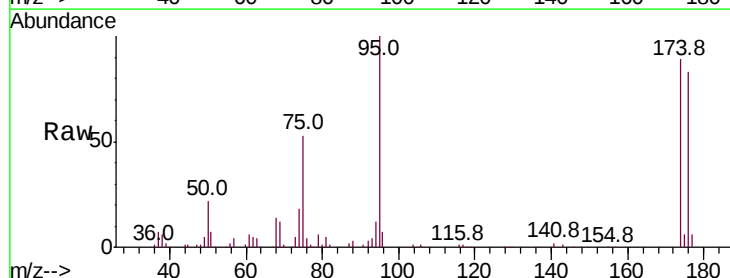
Tgt Ion: 95 Resp: 245388

Ion Ratio Lower Upper

95 100

174 88.7 0.0 181.8

176 83.0 0.0 174.4



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

250000

200000

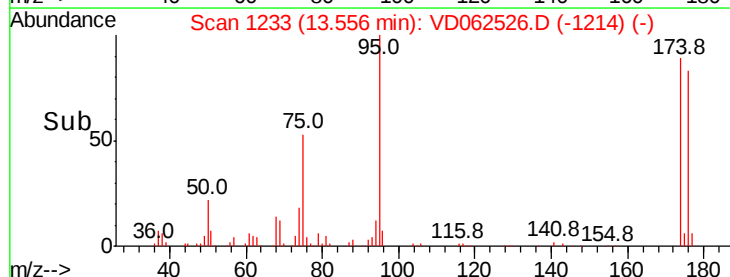
150000

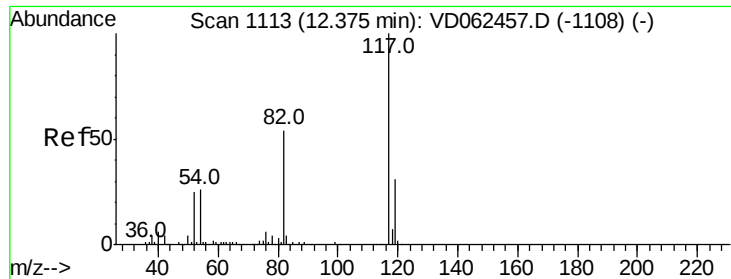
100000

50000

0

Time--> 13.50 13.56 13.60

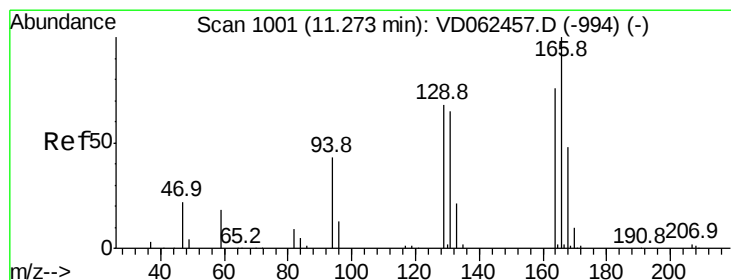
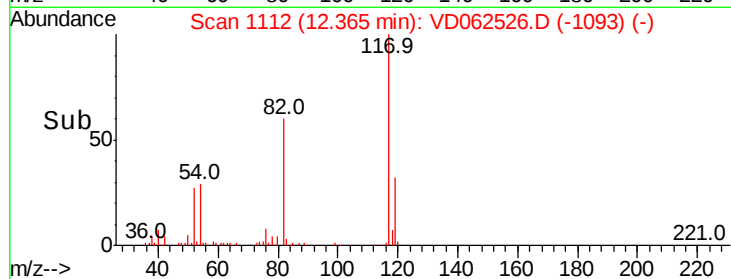
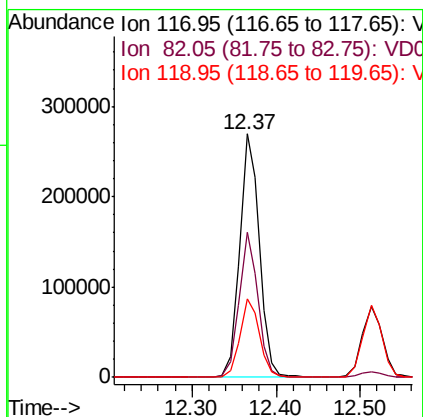
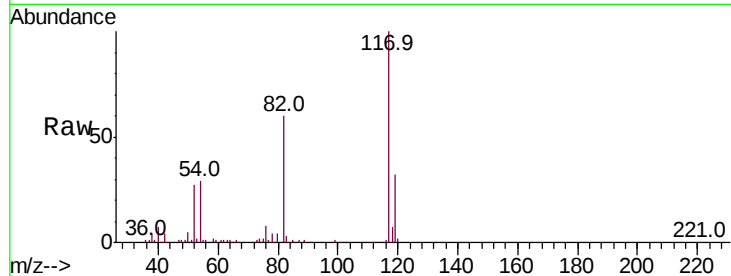




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

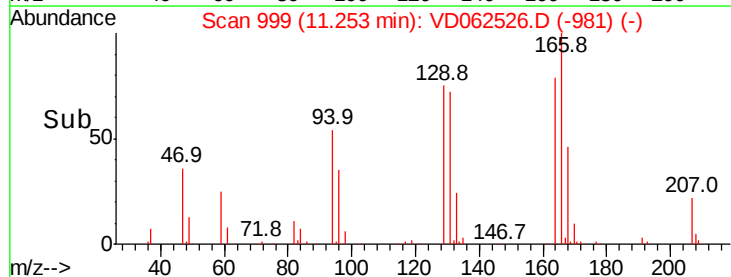
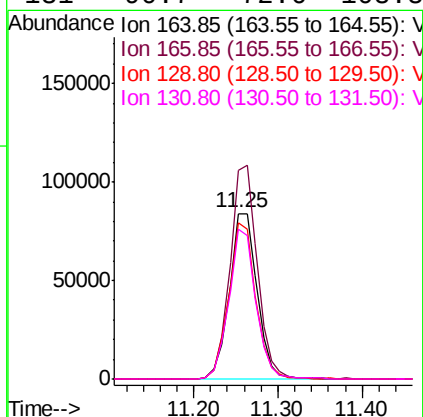
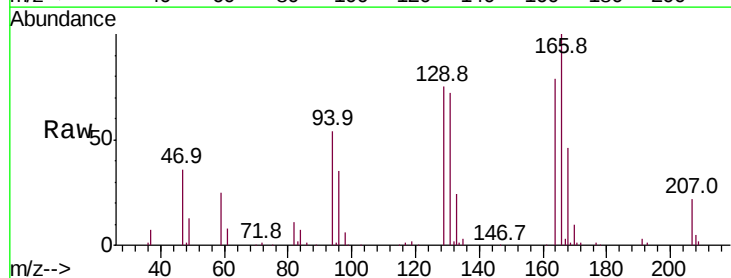
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

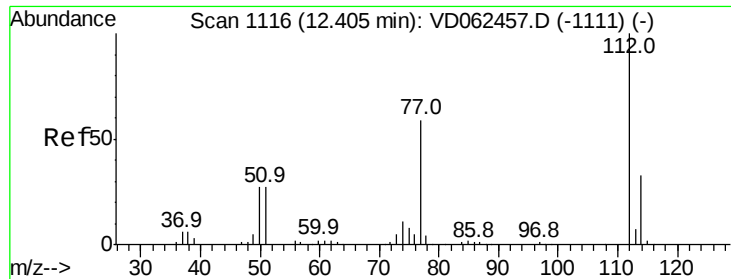
Tot Ion:117 Resp: 437826
Ion Ratio Lower Upper
117 100
82 59.5 36.2 54.2#
119 32.3 26.2 39.4



#64
Tetrachloroethene
Concen: 52.189 ug/l
RT: 11.25 min Scan# 999
Delta R.T. -0.02 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Tgt Ion:164 Resp: 191321
Ion Ratio Lower Upper
164 100
166 126.4 101.5 152.3
129 94.4 74.6 112.0
131 90.7 72.6 108.8

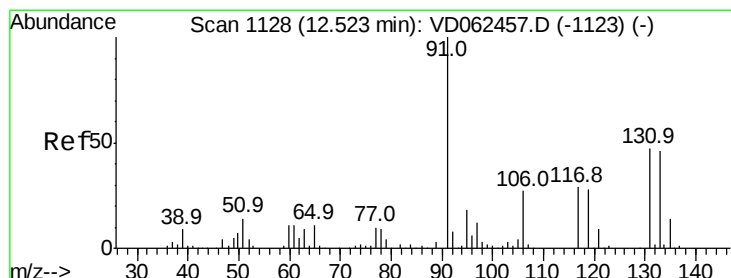
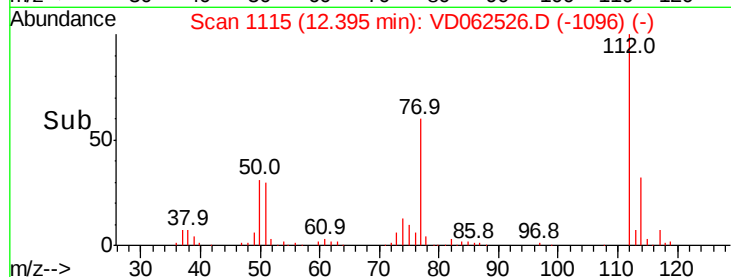
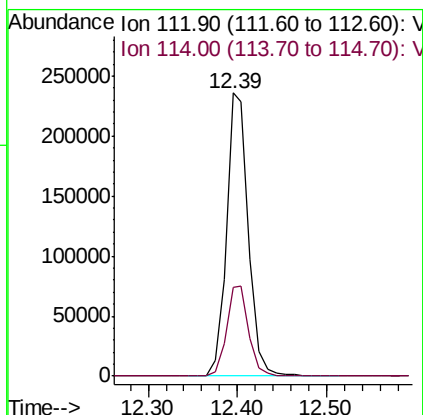
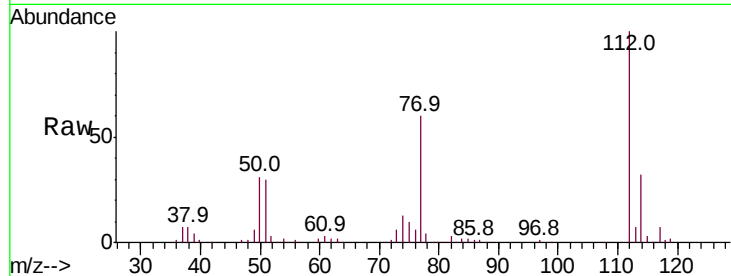




#65
Chlorobenzene
Concen: 48.362 ug/l
RT: 12.39 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

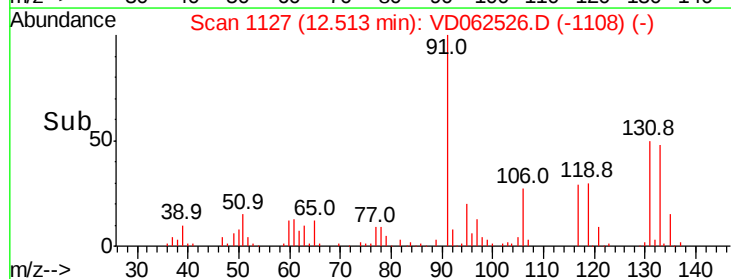
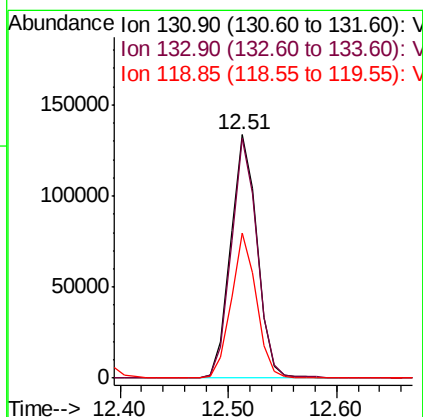
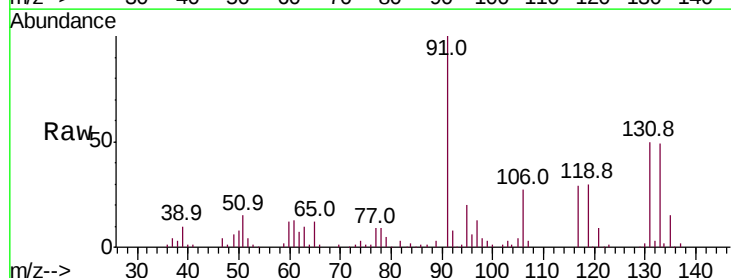
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

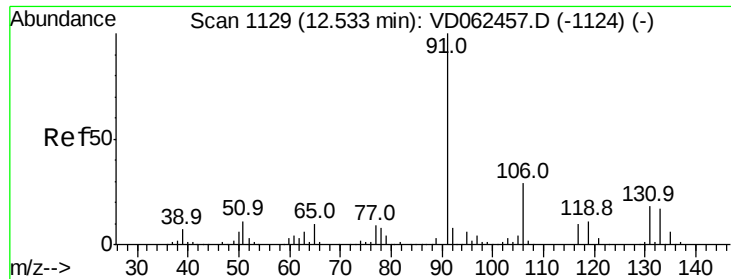
Tot Ion:112 Resp: 407189
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 58.467 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Tgt Ion:131 Resp: 227233
Ion Ratio Lower Upper
131 100
133 98.4 48.6 145.8
119 59.6 34.7 104.1

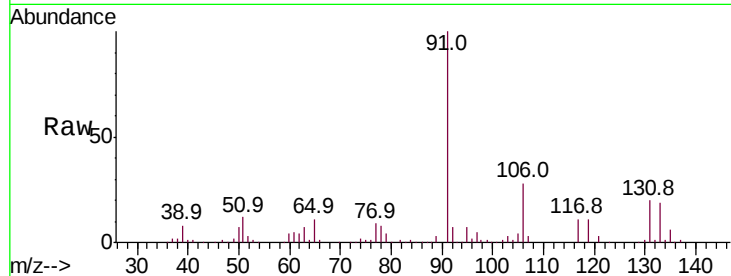




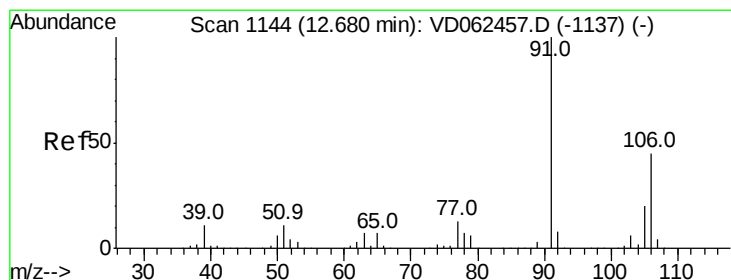
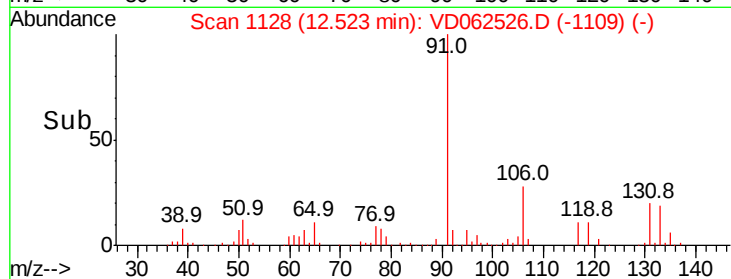
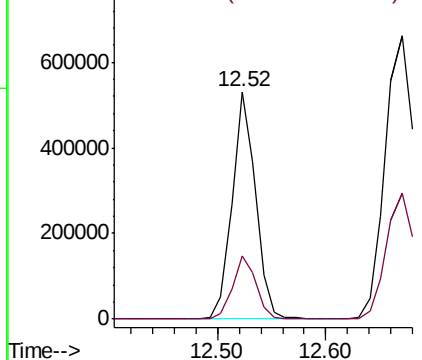
#67
Ethyl Benzene
Concen: 55.203 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 800560
Ion Ratio Lower Upper
91 100
106 28.1 24.7 37.1

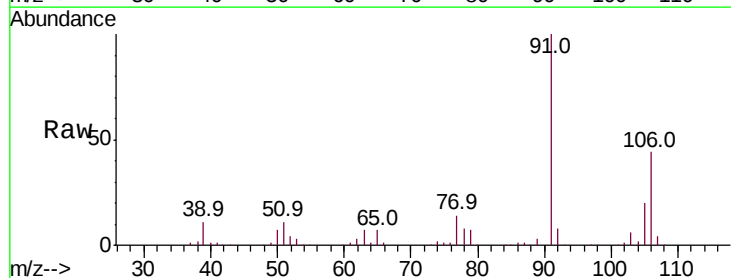


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

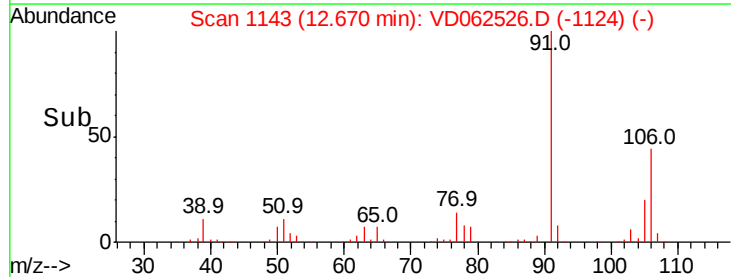
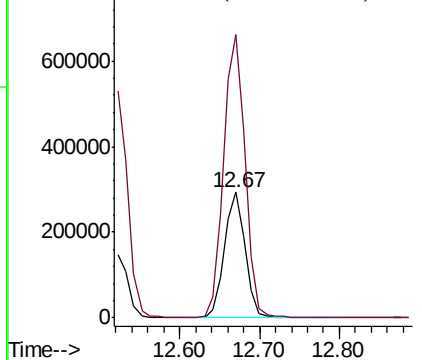


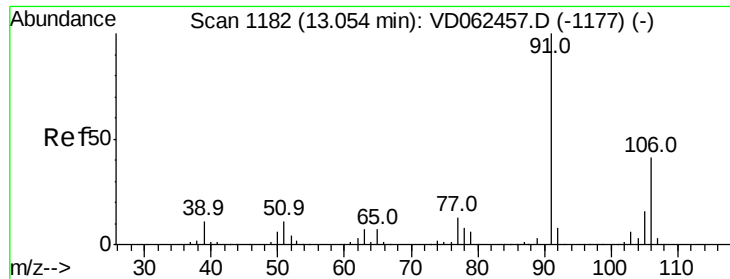
#68
m/p-Xylenes
Concen: 103.814 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Tgt Ion:106 Resp: 540428
Ion Ratio Lower Upper
106 100
91 225.5 164.0 246.0



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

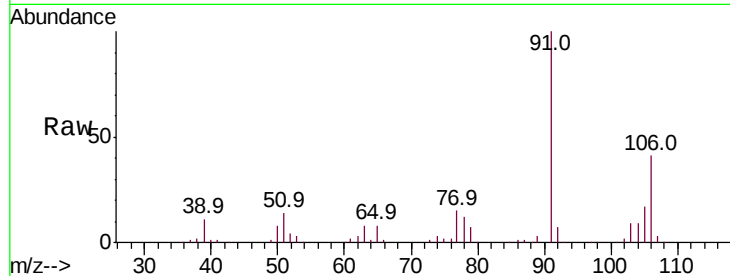




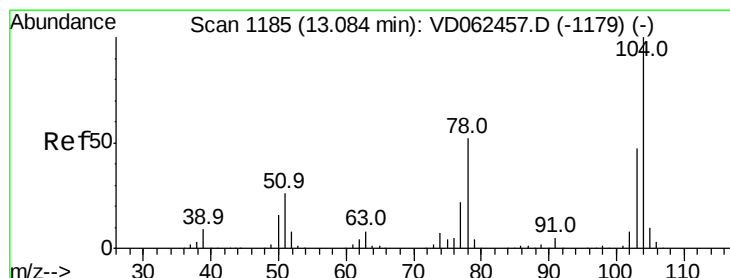
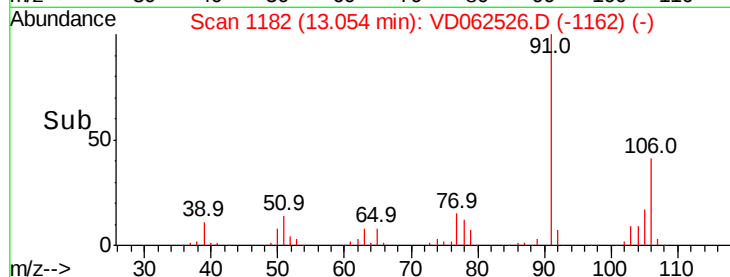
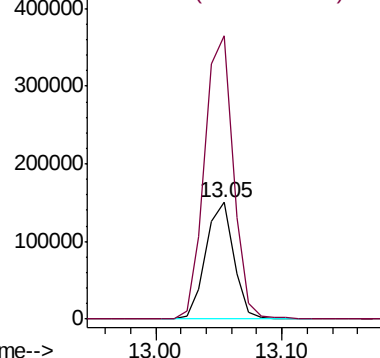
#69
o-Xylene
Concen: 46.905 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 230386
Ion Ratio Lower Upper
106 100
91 242.4 106.7 319.9

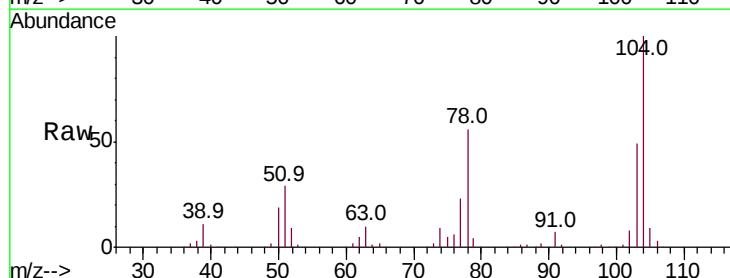


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

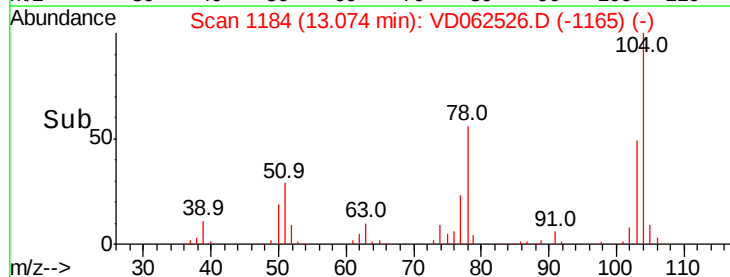
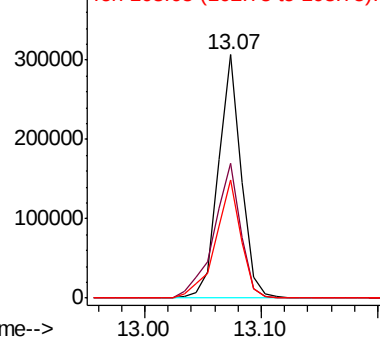


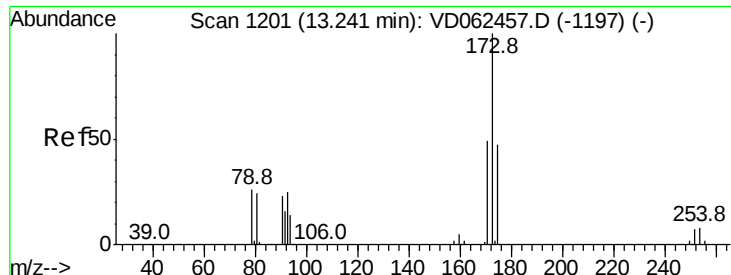
#70
Styrene
Concen: 49.775 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Tgt Ion:104 Resp: 415908
Ion Ratio Lower Upper
104 100
78 55.6 35.4 53.2#
103 48.6 37.5 56.3



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

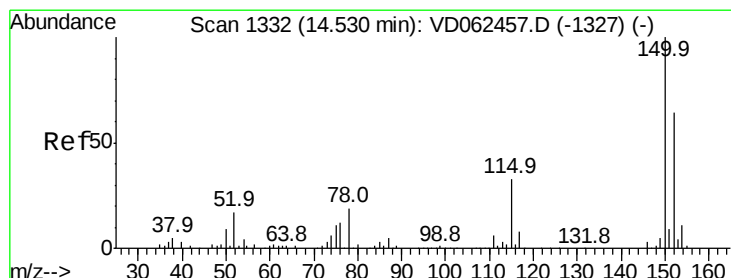
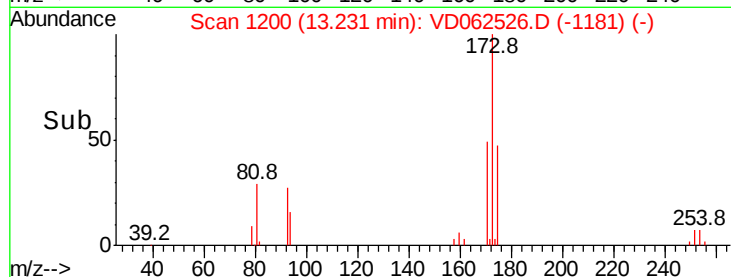
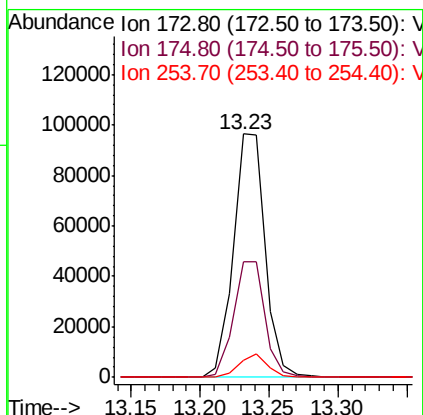
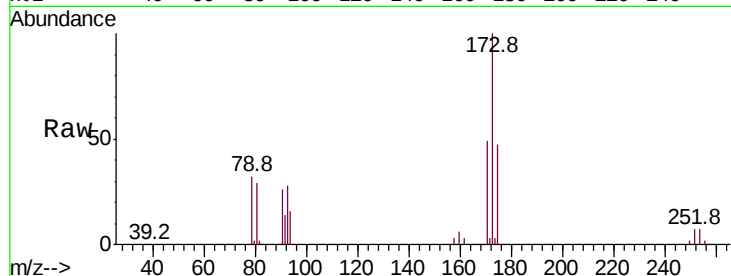




#71
Bromoform
Concen: 59.992 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

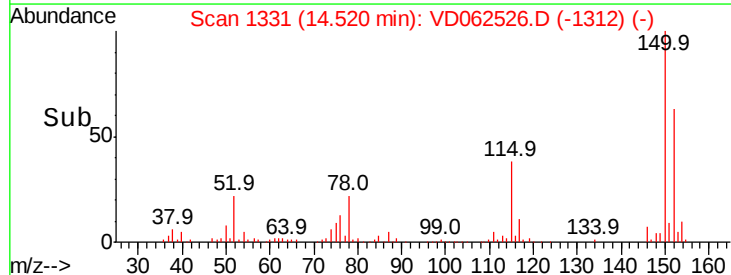
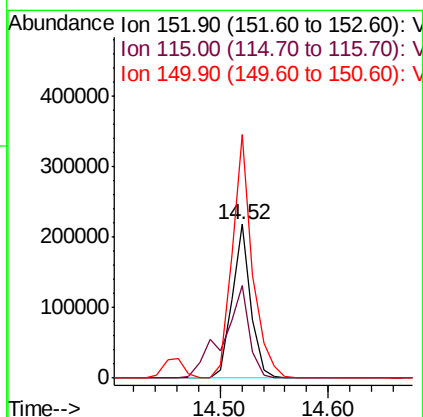
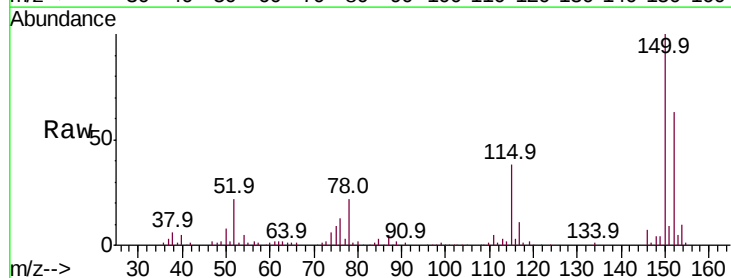
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

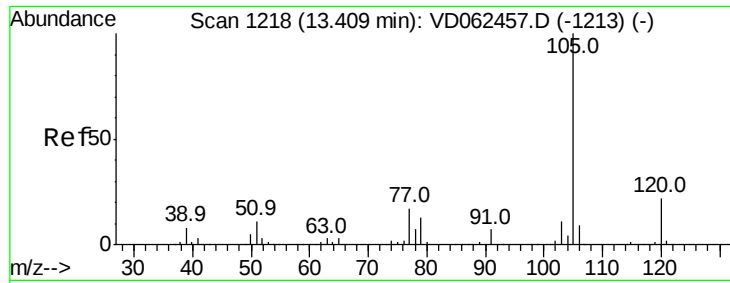
Tot Ion:173 Resp: 154844
Ion Ratio Lower Upper
173 100
175 47.4 24.4 73.4
254 7.2 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Tgt Ion:152 Resp: 259233
Ion Ratio Lower Upper
152 100
115 60.0 30.9 92.7
150 158.4 0.0 314.8





#73

Isopropylbenzene

Concen: 50.219 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

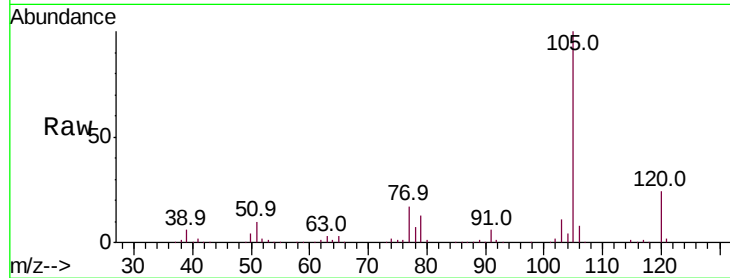
VSTDCCC050

Tot Ion:105 Resp: 820600

Ion Ratio Lower Upper

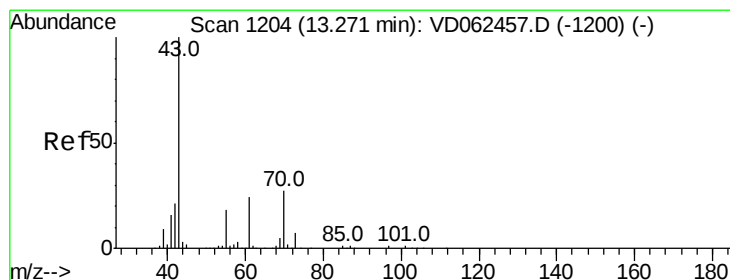
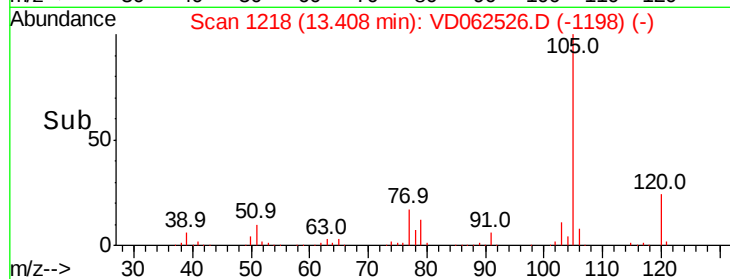
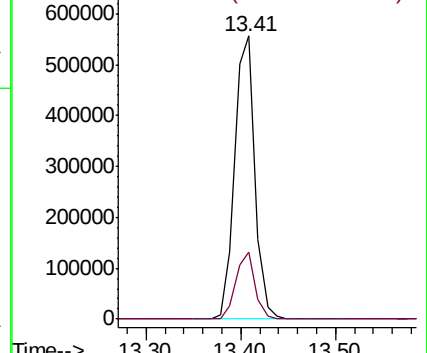
105 100

120 23.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.462 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Tgt Ion: 43 Resp: 195582

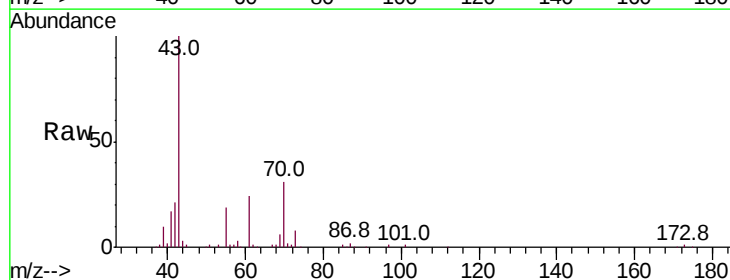
Ion Ratio Lower Upper

43 100

70 30.6 24.2 36.4

55 19.5 16.0 24.0

61 24.1 21.6 32.4

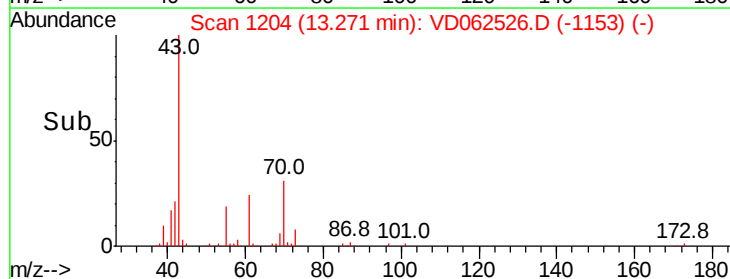
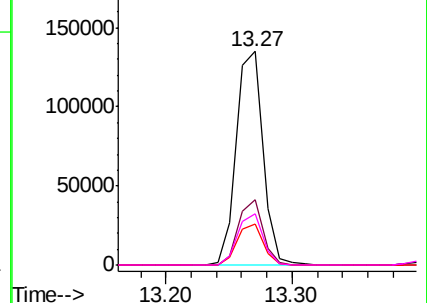


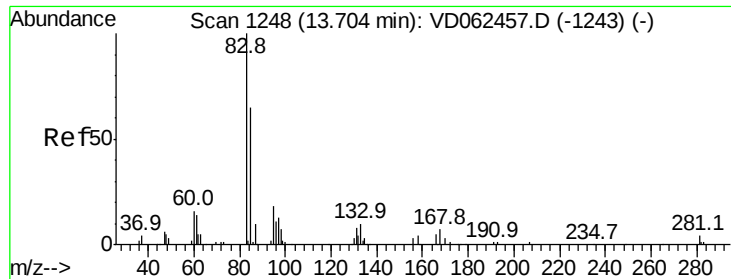
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 43.388 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

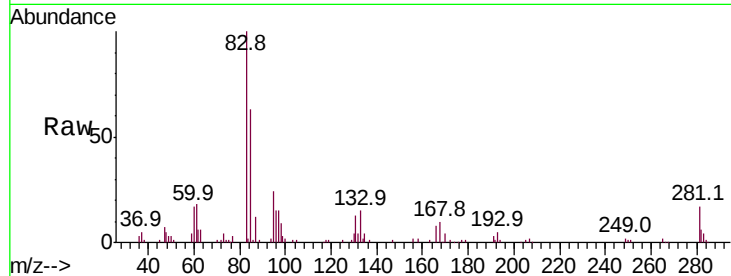
Tot Ion: 83 Resp: 127904

Ion Ratio Lower Upper

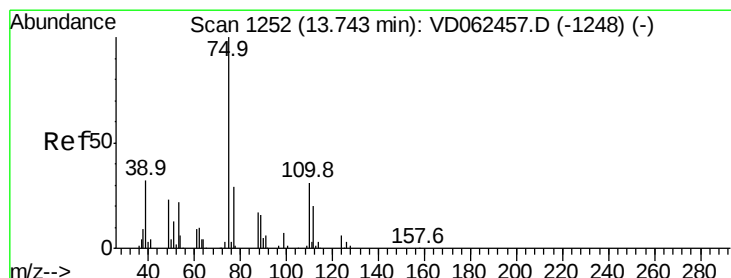
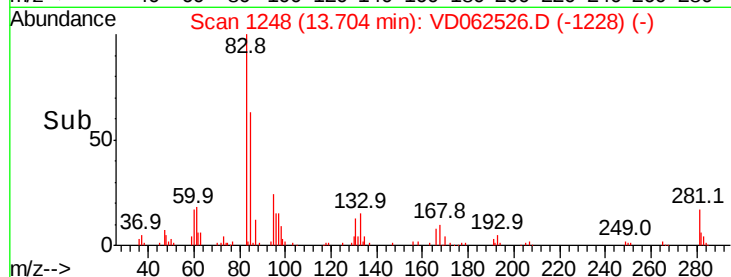
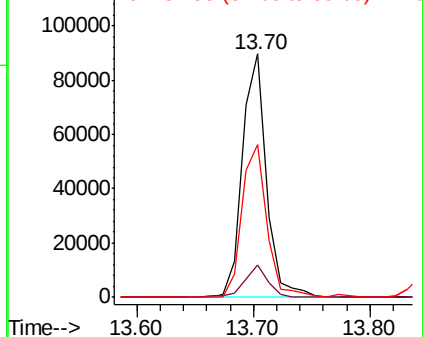
83 100

131 13.1 5.0 14.9

85 62.6 32.6 97.7



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: 48.044 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD062526.D

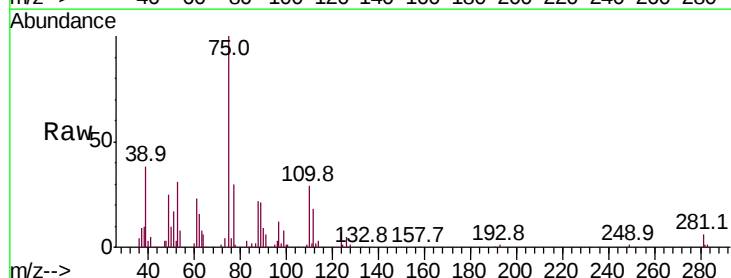
Acq: 24 May 2019 11:39

Tgt Ion: 75 Resp: 146699

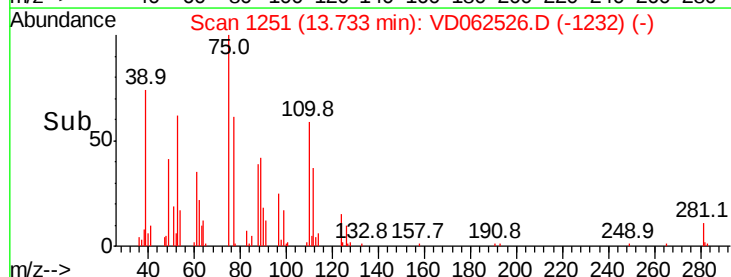
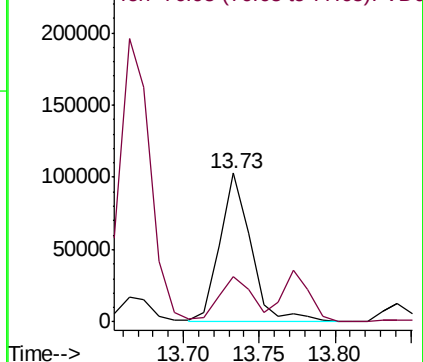
Ion Ratio Lower Upper

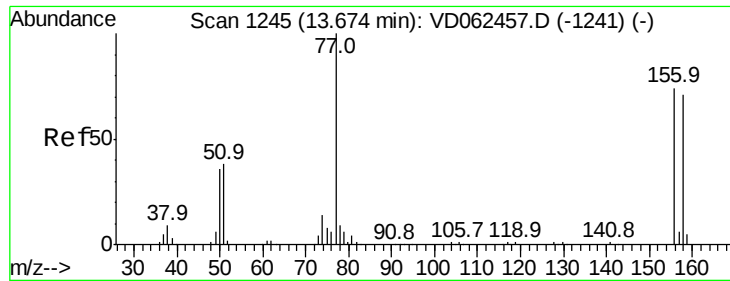
75 100

77 30.3 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.486 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

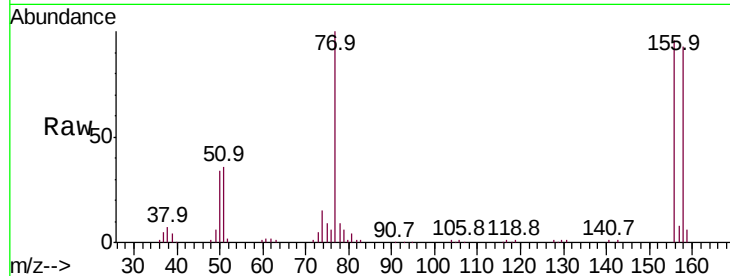
Tot Ion:156 Resp: 224752

Ion Ratio Lower Upper

156 100

77 104.6 53.1 159.4

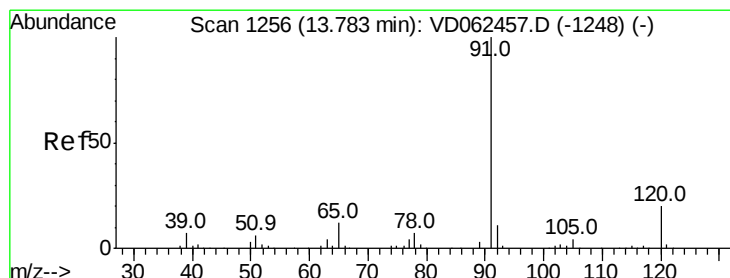
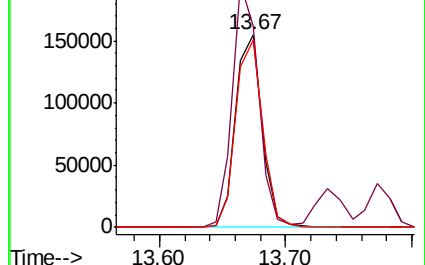
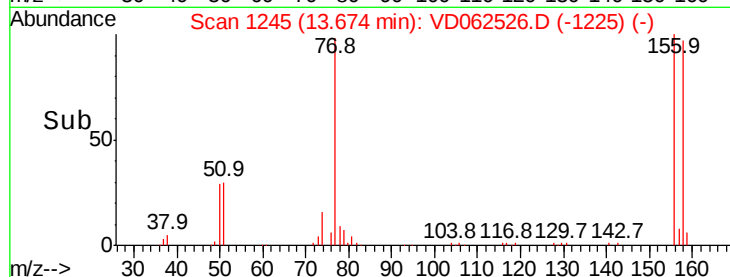
158 97.0 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.085 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD062526.D

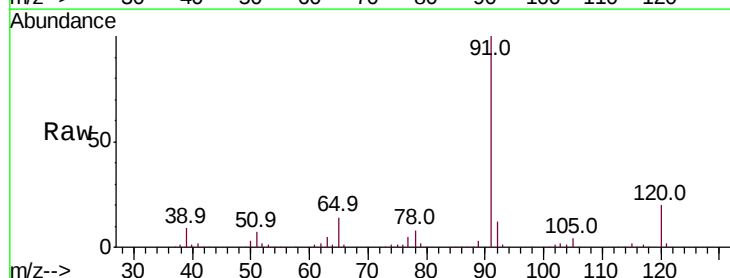
Acq: 24 May 2019 11:39

Tgt Ion: 91 Resp: 947985

Ion Ratio Lower Upper

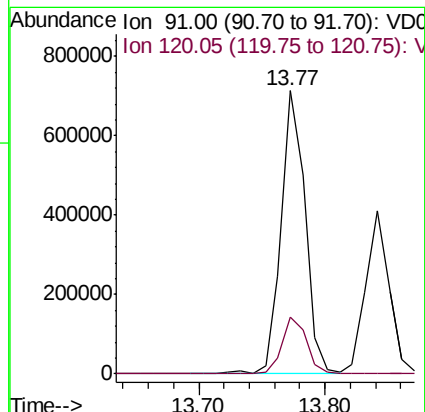
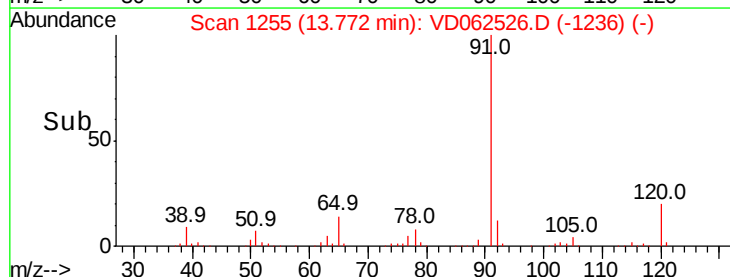
91 100

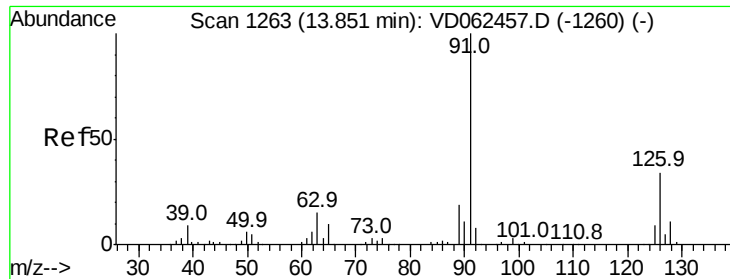
120 20.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 45.724 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

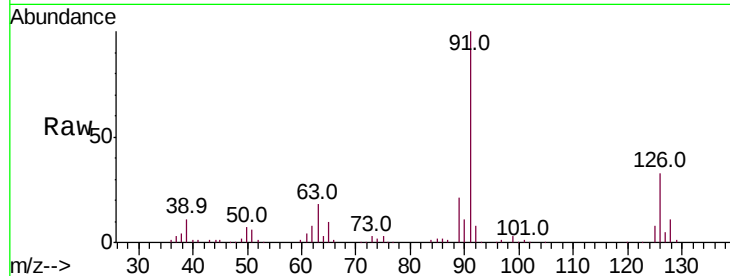
VSTDCCC050

Tot Ion: 91 Resp: 525208

Ion Ratio Lower Upper

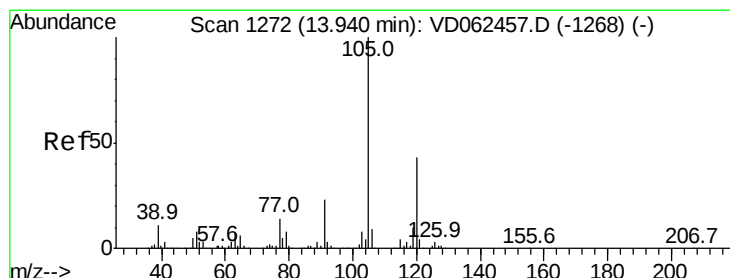
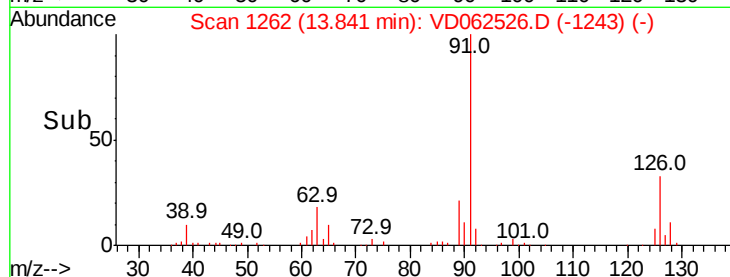
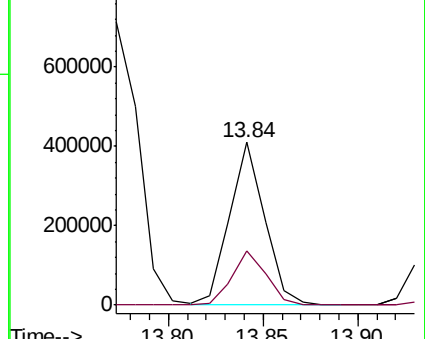
91 100

126 33.4 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.549 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062526.D

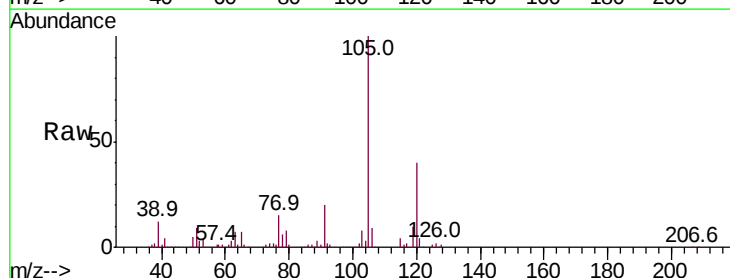
Acq: 24 May 2019 11:39

Tgt Ion:105 Resp: 715182

Ion Ratio Lower Upper

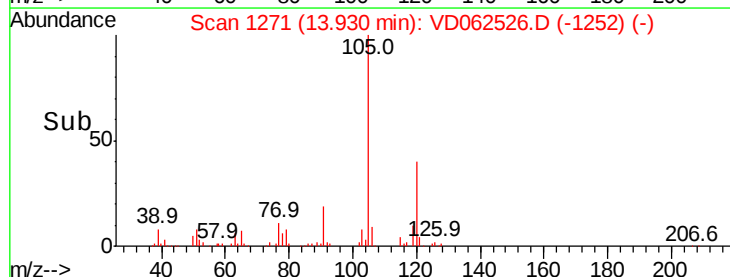
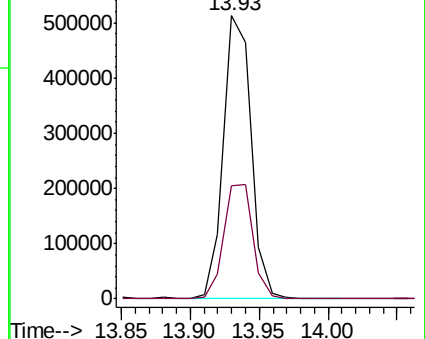
105 100

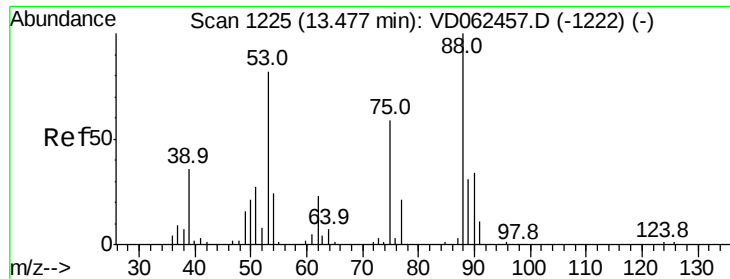
120 39.8 24.0 72.0



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: 45.841 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

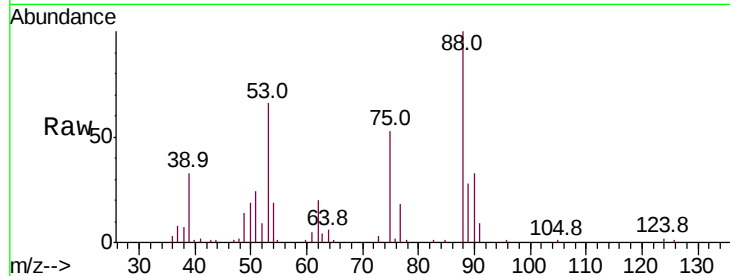
Tot Ion: 75 Resp: 39476

Ion Ratio Lower Upper

75 100

53 124.5 65.8 98.8#

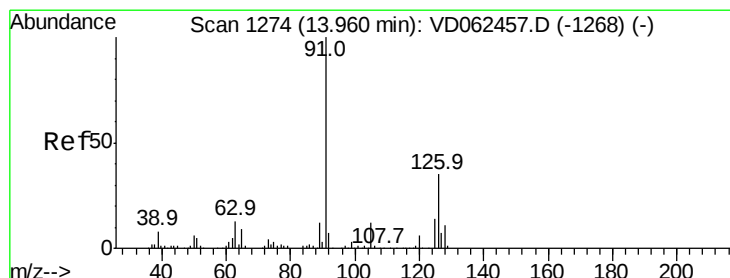
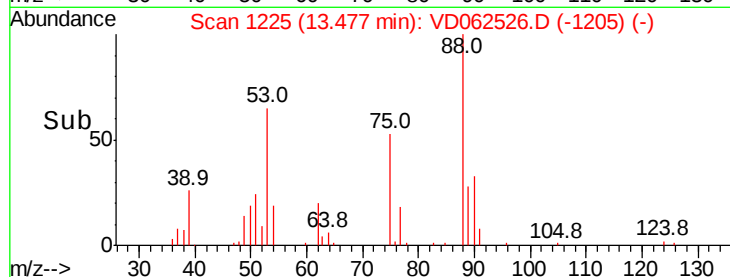
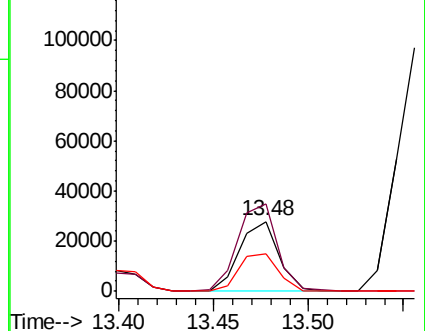
89 53.0 35.0 52.6#



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: 50.335 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VD062526.D

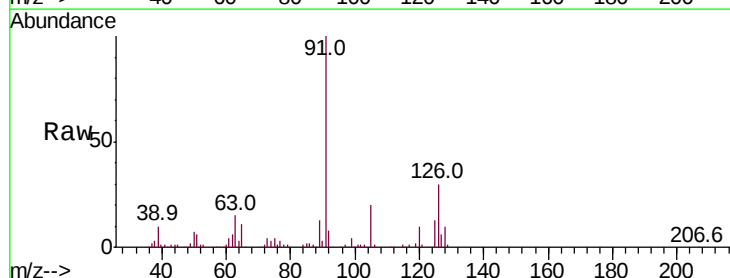
Acq: 24 May 2019 11:39

Tgt Ion: 91 Resp: 665855

Ion Ratio Lower Upper

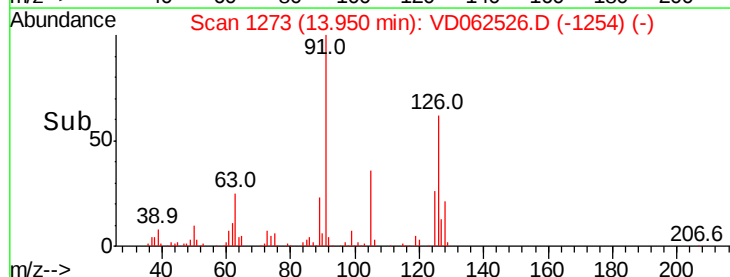
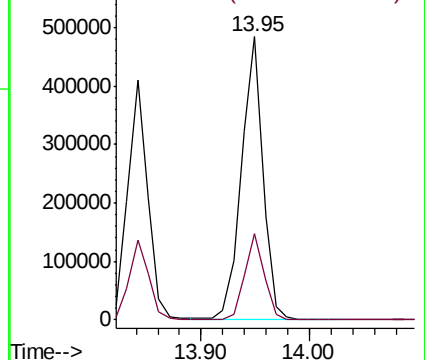
91 100

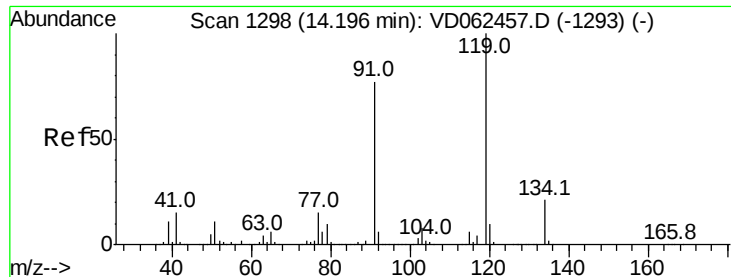
126 30.4 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 47.015 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

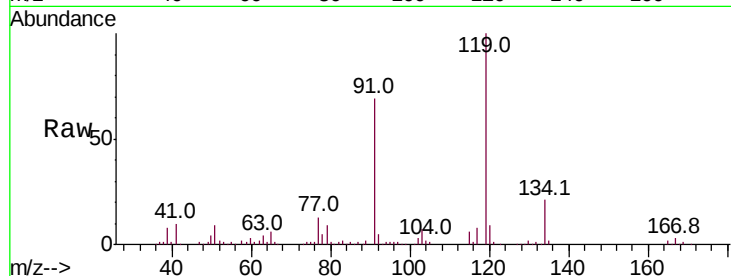
Tot Ion:119 Resp: 737842

Ion Ratio Lower Upper

119 100

91 69.0 34.2 102.6

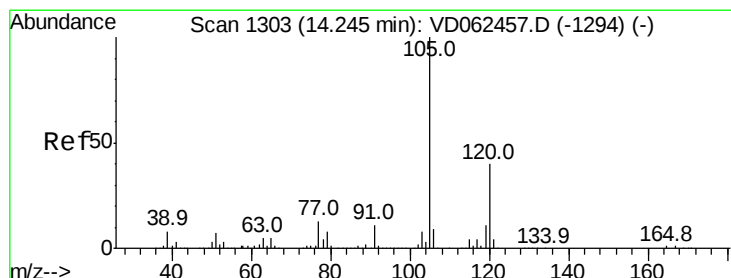
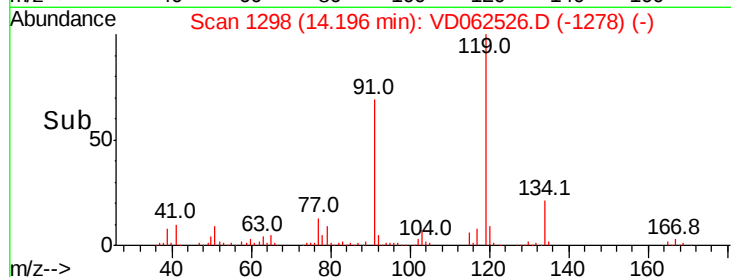
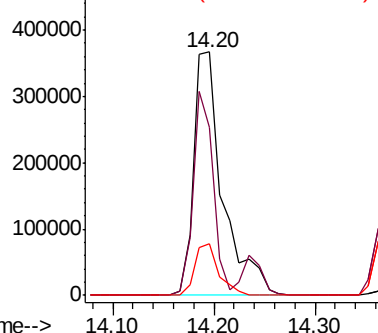
134 21.2 12.0 36.0



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: 45.201 ug/l

RT: 14.23 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VD062526.D

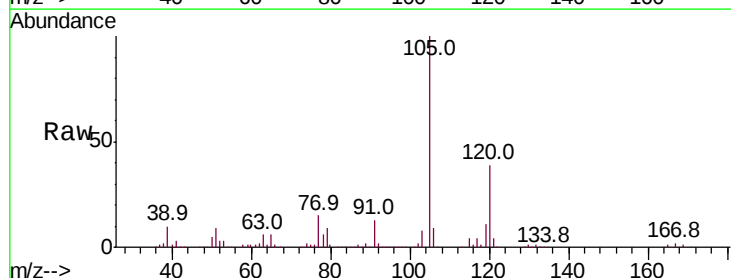
Acq: 24 May 2019 11:39

Tgt Ion:105 Resp: 655307

Ion Ratio Lower Upper

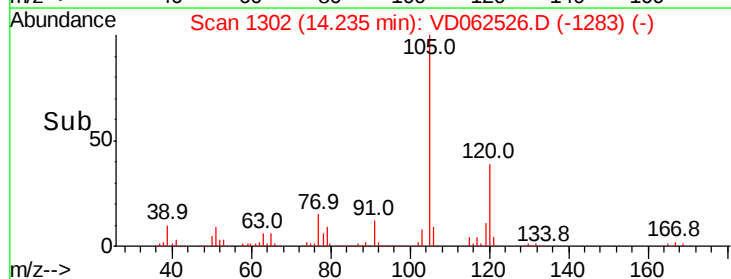
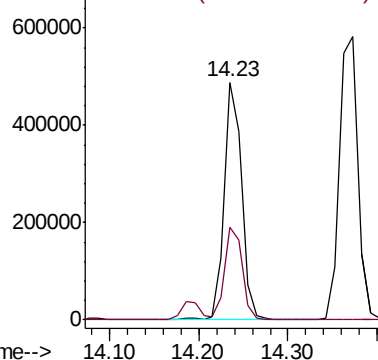
105 100

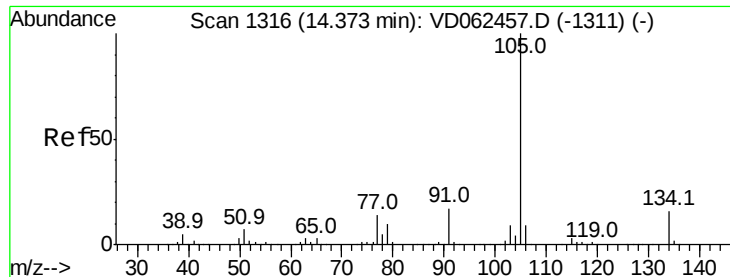
120 39.3 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 50.392 ug/l

RT: 14.37 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

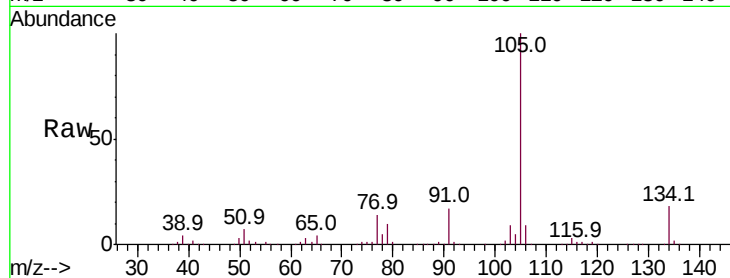
VSTDCCC050

Tot Ion:105 Resp: 824633

Ion Ratio Lower Upper

105 100

134 18.4 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

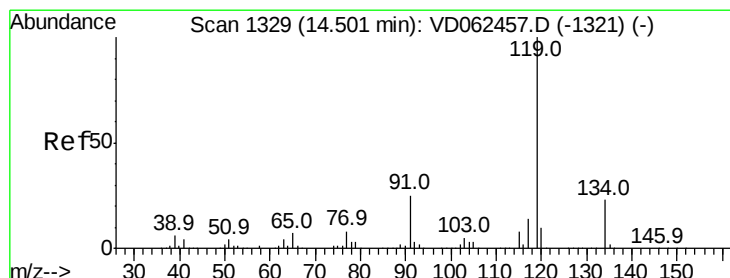
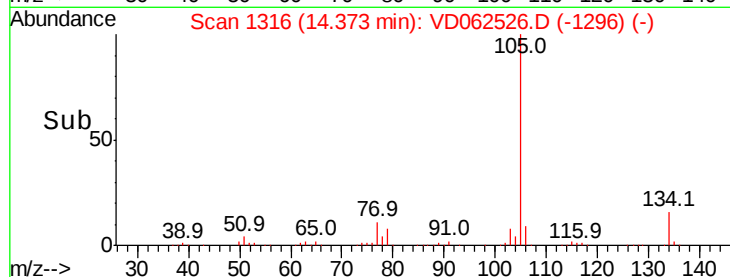
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.598 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

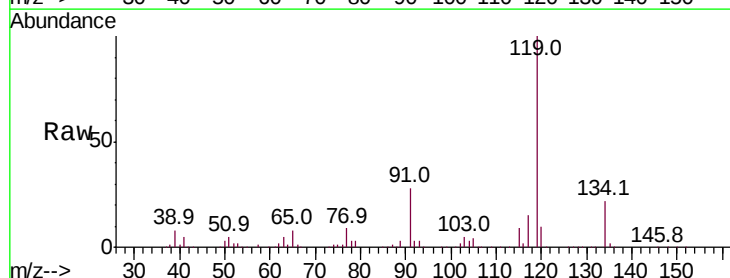
Tgt Ion:119 Resp: 735524

Ion Ratio Lower Upper

119 100

134 21.8 12.8 38.3

91 28.1 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.49

800000

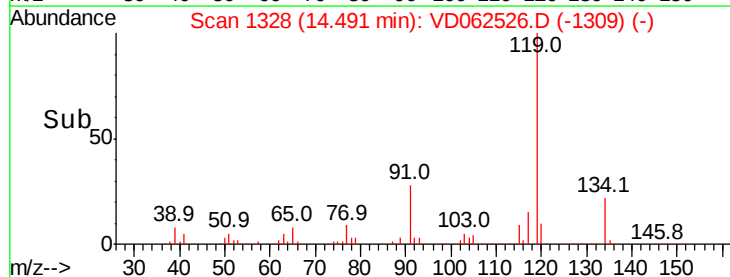
600000

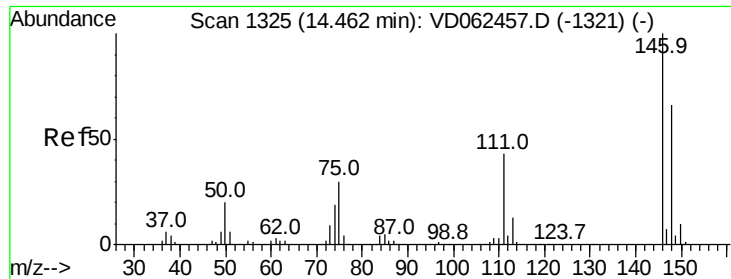
400000

200000

0

Time-->

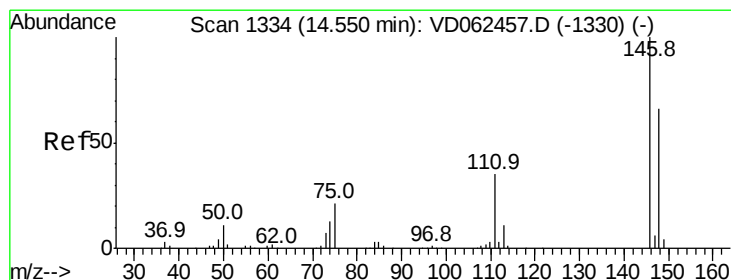
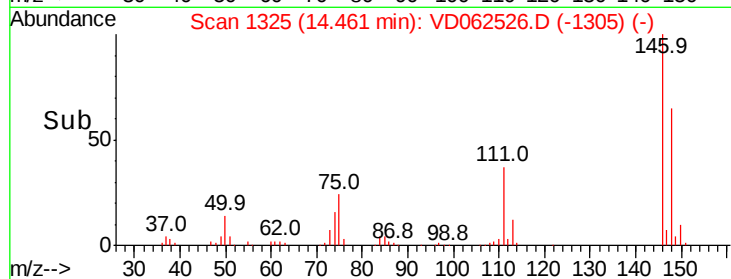
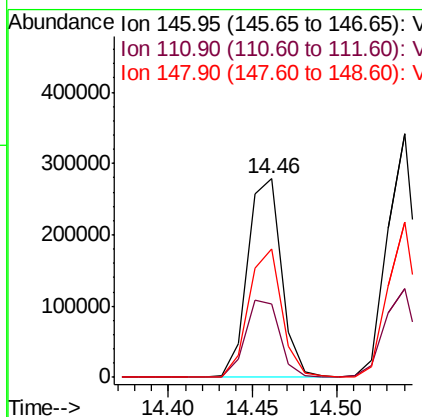
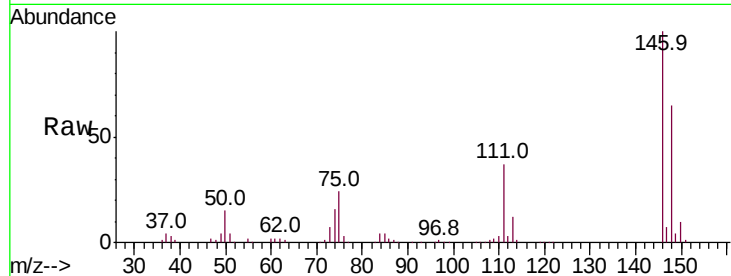




#87
 1,3-Dichlorobenzene
 Concen: 47.650 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

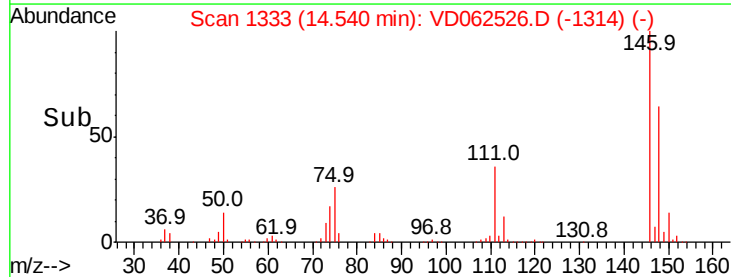
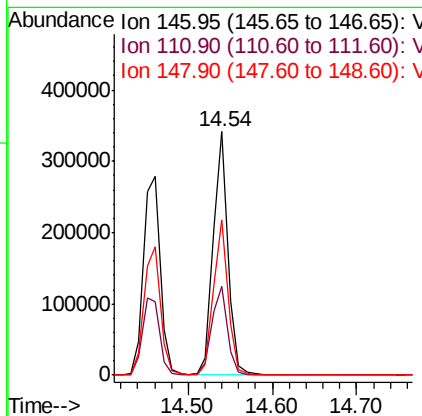
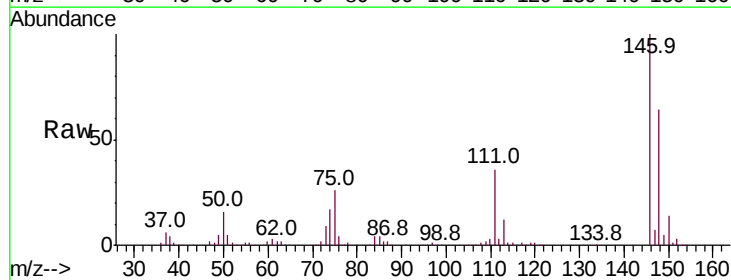
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

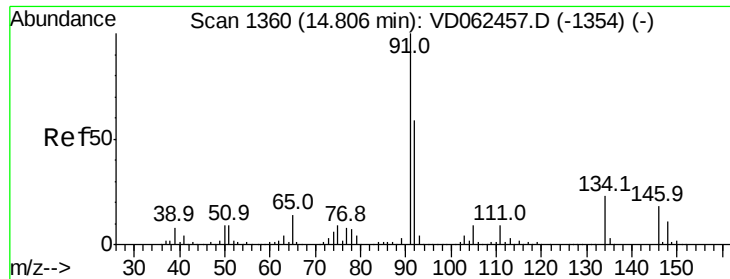
Tot Ion:146 Resp: 390058
 Ion Ratio Lower Upper
 146 100
 111 36.8 20.0 60.0
 148 64.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 52.413 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

Tgt Ion:146 Resp: 414021
 Ion Ratio Lower Upper
 146 100
 111 36.5 20.2 60.5
 148 63.5 32.0 96.2

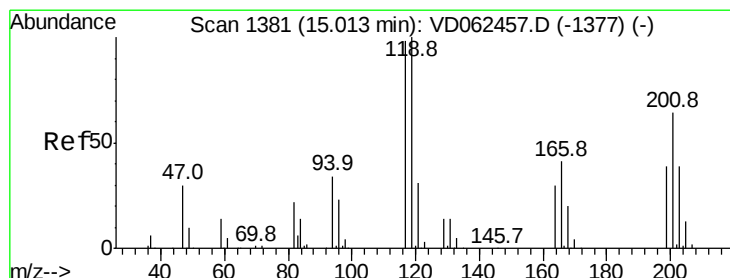
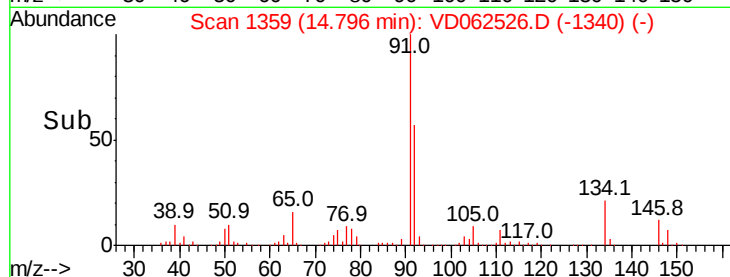
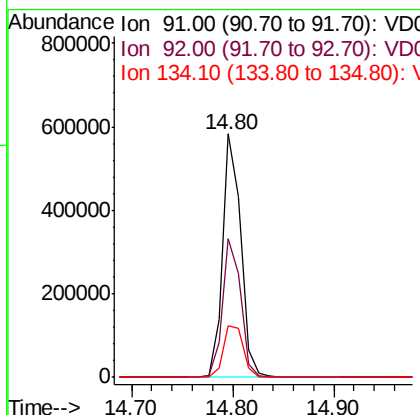
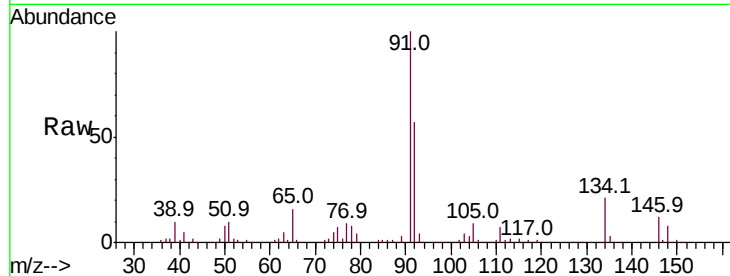




#89
n-Butylbenzene
Concen: 51.182 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.01 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

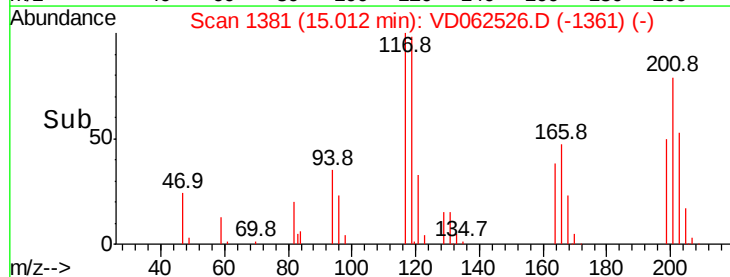
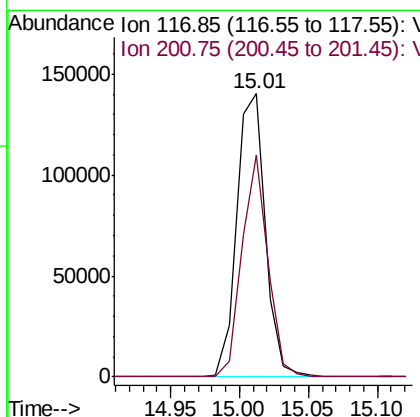
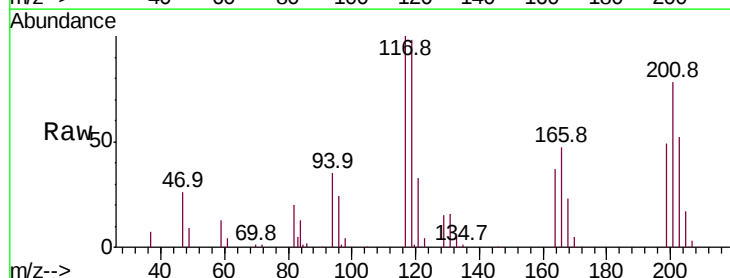
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

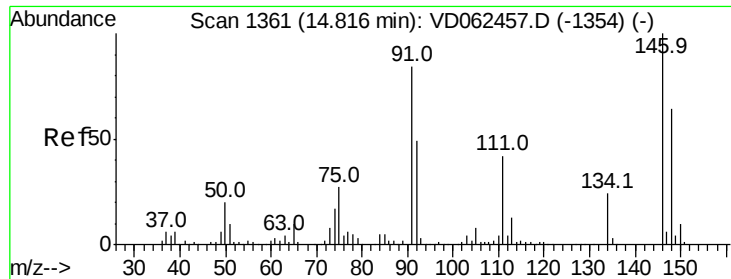
Tot Ion: 91 Resp: 732519
Ion Ratio Lower Upper
91 100
92 56.9 30.3 91.0
134 21.1 14.5 43.6



#90
Hexachloroethane
Concen: 49.518 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VD062526.D
Acq: 24 May 2019 11:39

Tgt Ion: 117 Resp: 202947
Ion Ratio Lower Upper
117 100
201 78.4 30.2 90.6

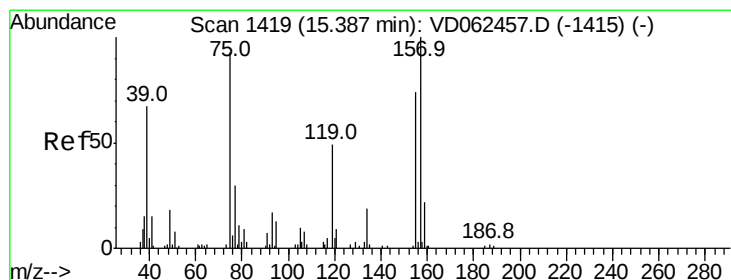
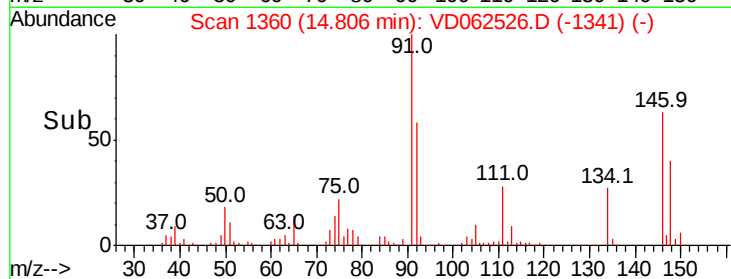
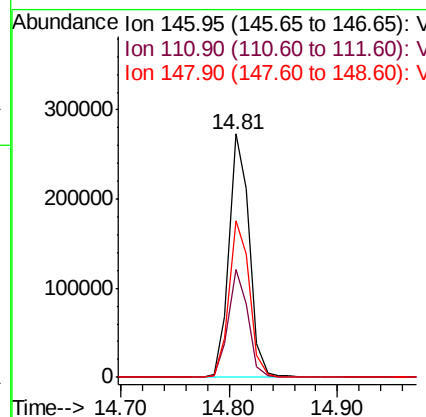
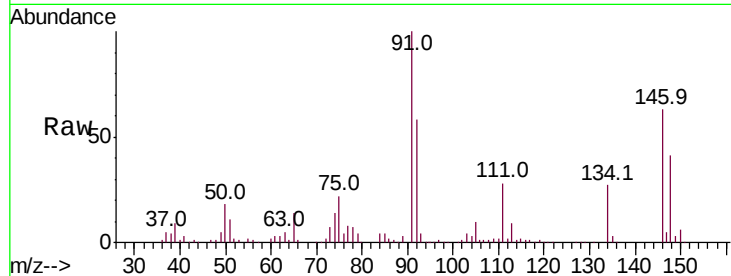




#91
 1,2-Dichlorobenzene
 Concen: 51.396 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

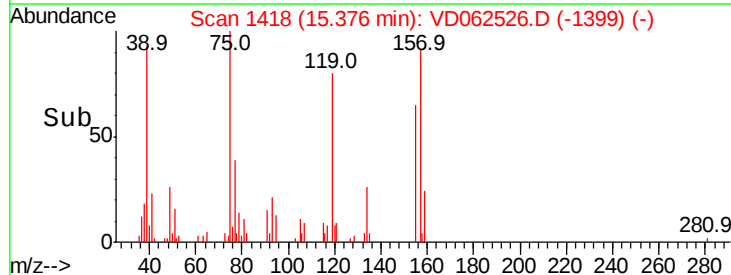
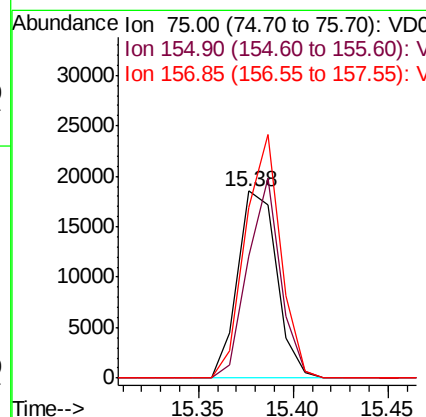
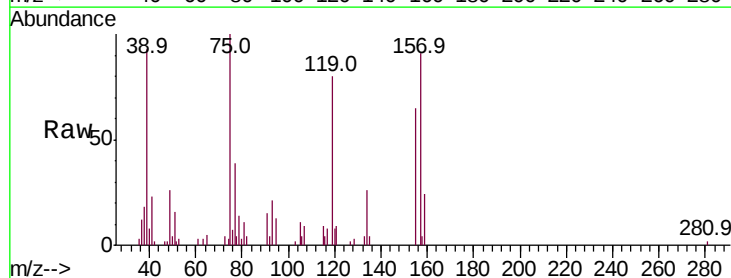
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

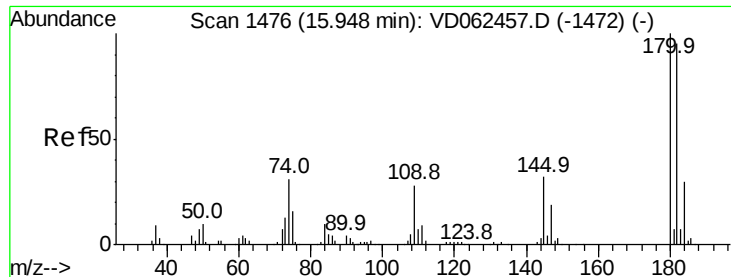
Tot Ion:146 Resp: 357747
 Ion Ratio Lower Upper
 146 100
 111 44.1 20.0 59.9
 148 64.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.171 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

Tgt Ion: 75 Resp: 26395
 Ion Ratio Lower Upper
 75 100
 155 65.4 55.3 165.8
 157 91.3 67.8 203.2

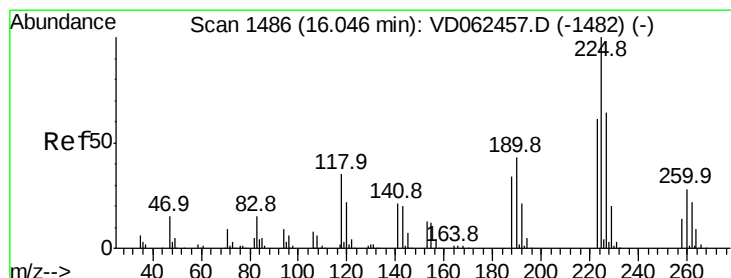
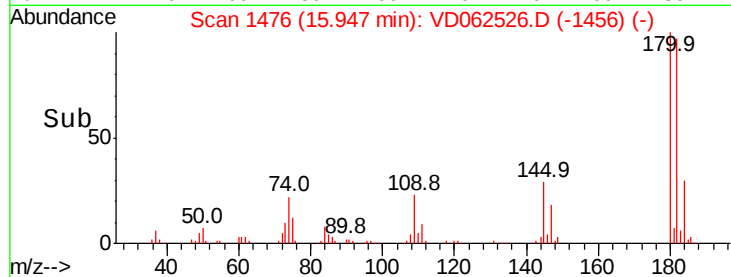
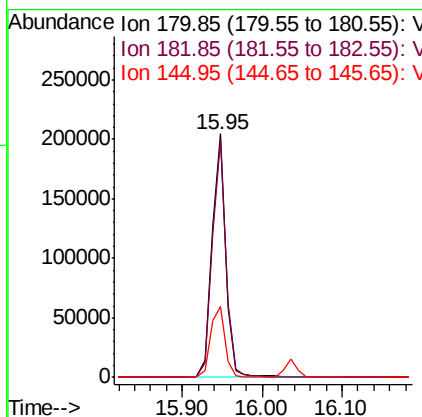
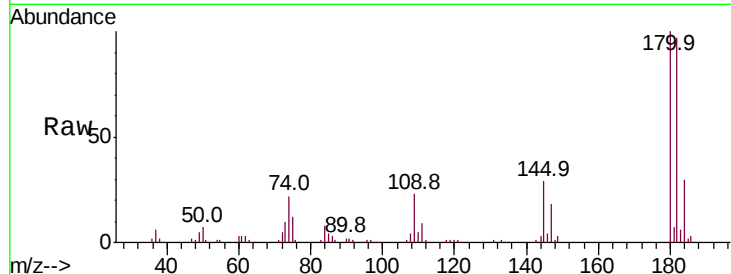




#93
 1,2,4-Trichlorobenzene
 Concen: 45.467 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

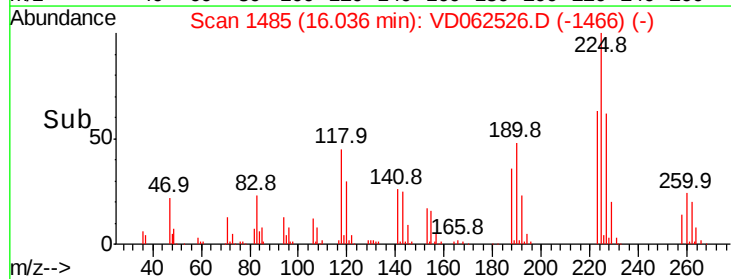
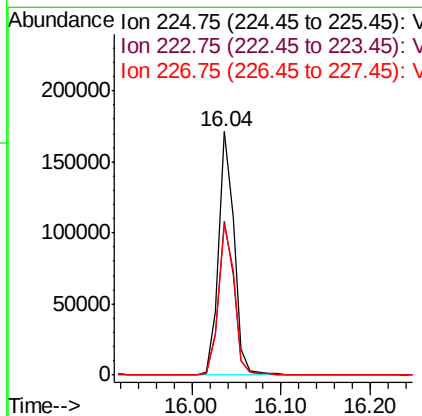
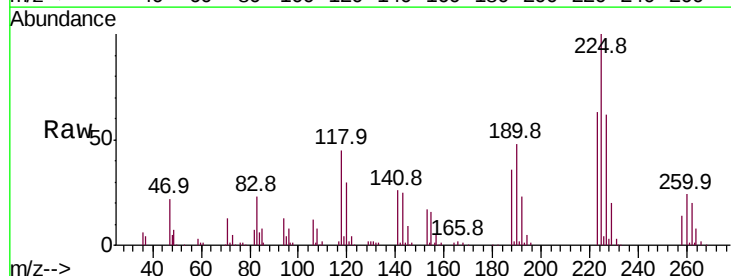
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

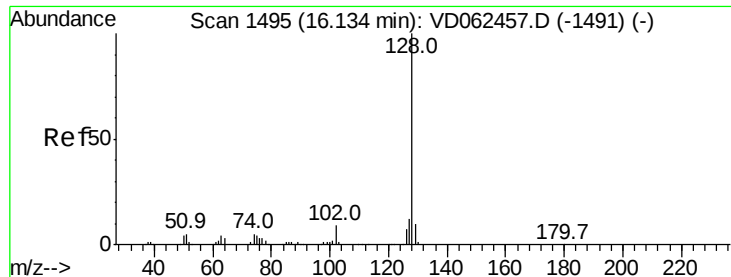
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	49.3	147.8
145	29.3	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 52.154 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD062526.D
 Acq: 24 May 2019 11:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.6	92.0
227	61.5	32.0	96.2





#95

Naphthalene

Concen: 48.740 ug/l

RT: 16.12 min Scan# 1494

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

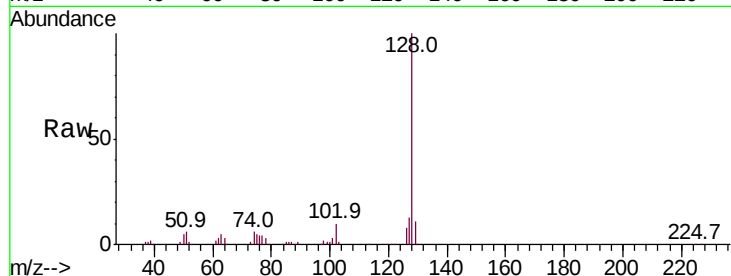
Tot Ion:128 Resp: 365009

Ion Ratio Lower Upper

128 100

127 12.7 9.8 14.8

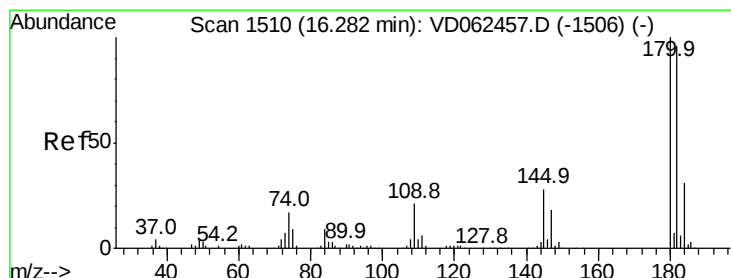
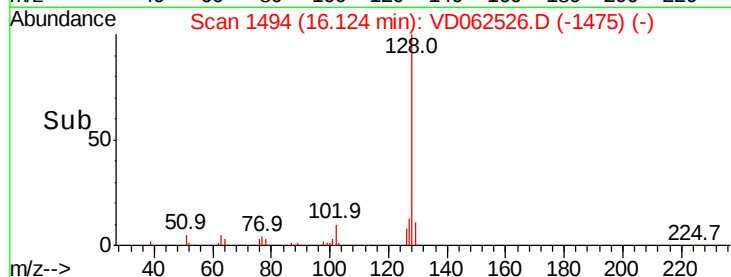
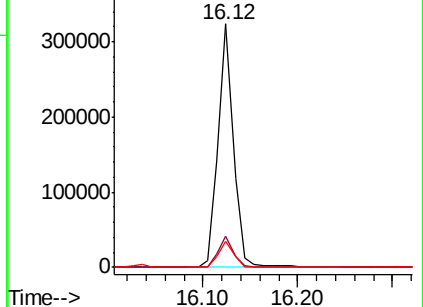
129 10.8 8.8 13.2



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: 44.759 ug/l

RT: 16.27 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD062526.D

Acq: 24 May 2019 11:39

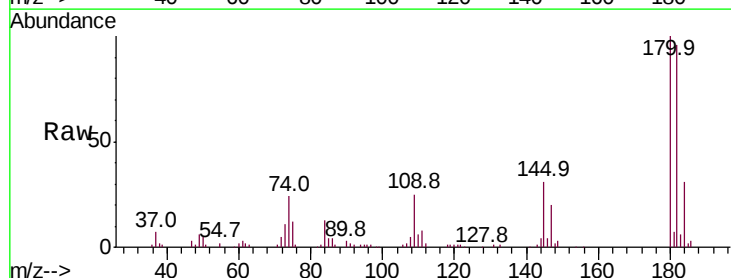
Tgt Ion:180 Resp: 201107

Ion Ratio Lower Upper

180 100

182 95.9 47.0 141.0

145 30.6 17.0 51.0



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

