

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063523.D
 Acq On : 13 Aug 2019 13:10
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 14 08:26:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1265775	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1823376	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.38	117	1455901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	719363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	668891	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
35) Dibromofluoromethane	6.93	113	747277	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	10.42	98	1739830	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	13.56	95	745791	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	738863	48.249	ug/l	94
3) Chloromethane	1.76	50	600297	50.172	ug/l	99
4) Vinyl Chloride	1.85	62	615860	51.851	ug/l	98
5) Bromomethane	2.16	94	270292	48.228	ug/l	99
6) Chloroethane	2.27	64	281143	51.761	ug/l	96
7) Trichlorofluoromethane	2.53	101	1170309	50.233	ug/l	99
8) Diethyl Ether	2.88	74	163149	49.599	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.15	101	710980	51.682	ug/l	96
10) Methyl Iodide	3.31	142	961961	49.421	ug/l	94
11) Tert butyl alcohol	4.09	59	165267	280.592	ug/l	95
12) 1,1-Dichloroethene	3.13	96	499545	48.841	ug/l	98
13) Acrolein	3.05	56	129466	223.311	ug/l #	72
14) Allyl chloride	3.63	41	816896	53.129	ug/l	94
15) Acrylonitrile	4.21	53	403342	258.535	ug/l	94
16) Acetone	3.23	43	815602	296.538	ug/l	96
17) Carbon Disulfide	3.38	76	1674264	51.867	ug/l	99
18) Methyl Acetate	3.65	43	244562	46.944	ug/l	95
19) Methyl tert-butyl Ether	4.26	73	1111097	54.320	ug/l	99
20) Methylene Chloride	3.82	84	553542	46.543	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	566394	52.624	ug/l	96
22) Diisopropyl ether	5.13	45	1645297	51.856	ug/l	98
23) Vinyl Acetate	5.07	43	4993772	270.735	ug/l	98
24) 1,1-Dichloroethane	4.99	63	981327	49.868	ug/l	98
25) 2-Butanone	6.09	43	748904	275.697	ug/l	99
26) 2,2-Dichloropropane	6.04	77	1043137	53.219	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	604134	51.303	ug/l	100
28) Bromochloromethane	6.45	49	418511	52.474	ug/l	88
29) Tetrahydrofuran	6.47	42	335979	265.433	ug/l	96
30) Chloroform	6.68	83	1174096	48.000	ug/l	97
31) Cyclohexane	6.96	56	667874	54.669	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	1193061	50.989	ug/l	99
36) 1,1-Dichloropropene	7.16	75	832927	51.673	ug/l	97
37) Ethyl Acetate	6.20	43	334080	49.461	ug/l #	92
38) Carbon Tetrachloride	7.12	117	1350010	55.571	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	660235	48.169	ug/l	97
40) Benzene	7.47	78	1728299	48.722	ug/l	99
41) Methacrylonitrile	6.46	41	440132	51.753	ug/l	96
42) 1,2-Dichloroethane	7.59	62	854511	47.908	ug/l	100
43) Isopropyl Acetate	9.25	43	473782	52.373	ug/l #	98
44) Trichloroethene	8.55	130	684183	50.462	ug/l	97
45) 1,2-Dichloropropane	8.95	63	422702	51.171	ug/l	95
46) Dibromomethane	9.07	93	361830	51.291	ug/l	98
47) Bromodichloromethane	9.38	83	914040	50.513	ug/l	99
48) Methyl methacrylate	9.13	41	321874	52.465	ug/l	92
49) 1,4-Dioxane	9.09	88	54110	987.993	ug/l #	72
51) 4-Methyl-2-Pentanone	10.31	43	1617079	261.236	ug/l	100
52) Toluene	10.52	92	1157147	50.646	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	757206	51.275	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	878540	52.760	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	369355	47.858	ug/l	98
56) Ethyl methacrylate	11.05	69	437957	52.282	ug/l	96
57) 1,3-Dichloropropane	11.41	76	613900	52.623	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	1138594	257.459	ug/l	96
59) 2-Hexanone	11.54	43	1197922	265.963	ug/l	99
60) Dibromochloromethane	11.69	129	702232	50.003	ug/l	99
61) 1,2-Dibromoethane	11.82	107	452488	48.430	ug/l	97
64) Tetrachloroethene	11.27	164	567163	50.463	ug/l	94
65) Chlorobenzene	12.41	112	1397466	51.213	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	628538	52.339	ug/l	94
67) Ethyl Benzene	12.53	91	2521411	53.143	ug/l	99
68) m/p-Xylenes	12.67	106	1740017	104.386	ug/l	98
69) o-Xylene	13.06	106	798597	49.777	ug/l	94
70) Styrene	13.08	104	1392169	48.783	ug/l	99
71) Bromoform	13.24	173	449382	54.574	ug/l	94
73) Isopropylbenzene	13.41	105	2503783	54.721	ug/l	98
74) N-amyl acetate	13.27	43	658506	57.331	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	427827	56.333	ug/l	93
76) 1,2,3-Trichloropropane	13.74	75	439891	53.282	ug/l	96
77) Bromobenzene	13.68	156	682800	54.602	ug/l	87
78) n-propylbenzene	13.78	91	2870765	53.624	ug/l	94
79) 2-Chlorotoluene	13.84	91	1685152	54.593	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	2068556	51.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	130115	58.638	ug/l	93
82) 4-Chlorotoluene	13.95	91	1967121	52.996	ug/l	96
83) tert-Butylbenzene	14.19	119	2298369	54.595	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	2065690	55.844	ug/l	93
85) sec-Butylbenzene	14.38	105	2552072	57.083	ug/l	95
86) p-Isopropyltoluene	14.49	119	2339640	54.732	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1235653	54.628	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	1184372	54.575	ug/l	98
89) n-Butylbenzene	14.80	91	2148049	55.058	ug/l	97
90) Hexachloroethane	15.02	117	605549	56.359	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	1011771	52.721	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	79387	55.515	ug/l	70

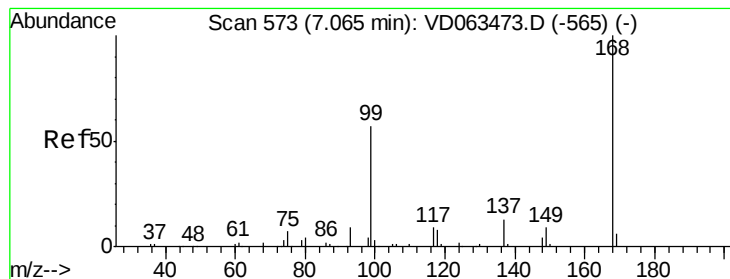
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	743606	52.659	ug/l	98
94) Hexachlorobutadiene	16.04	225	604414	56.161	ug/l	97
95) Naphthalene	16.13	128	1154550	53.949	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	598645	52.487	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

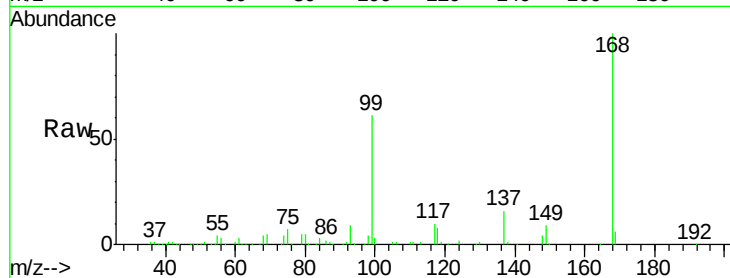
VSTDCCC050

Tot Ion:168 Resp: 1265775

Ion Ratio Lower Upper

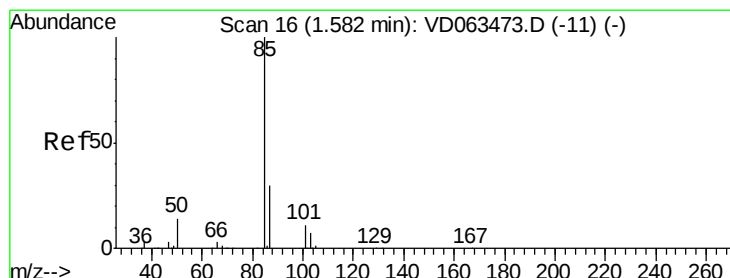
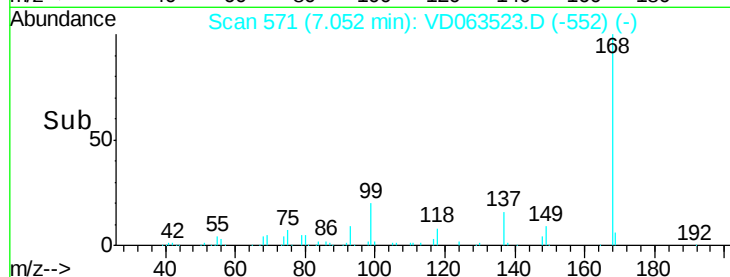
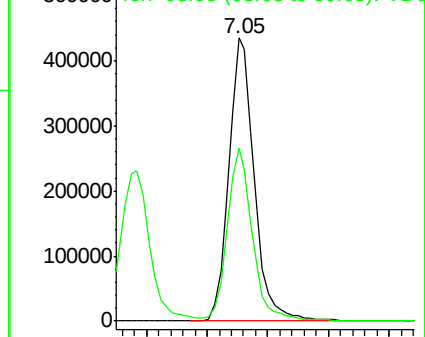
168 100

99 61.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.249 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063523.D

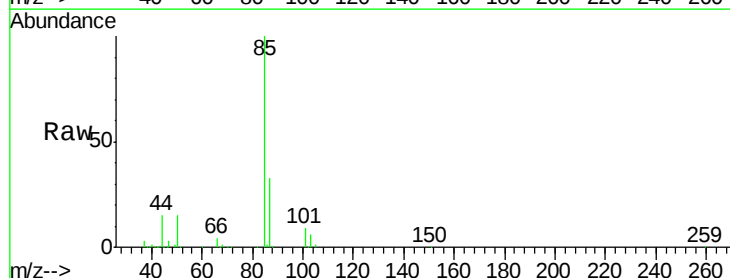
Acq: 13 Aug 2019 13:10

Tgt Ion: 85 Resp: 738863

Ion Ratio Lower Upper

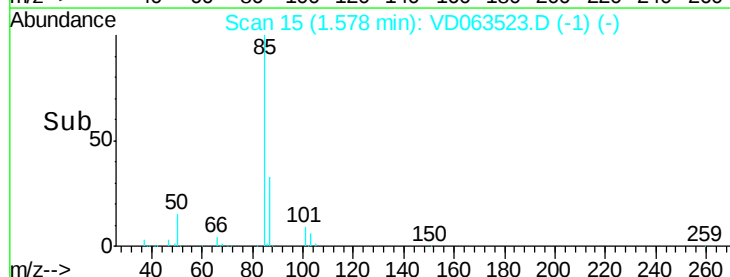
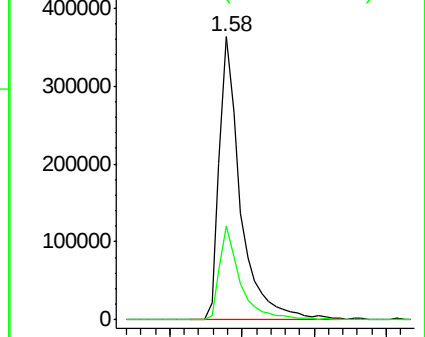
85 100

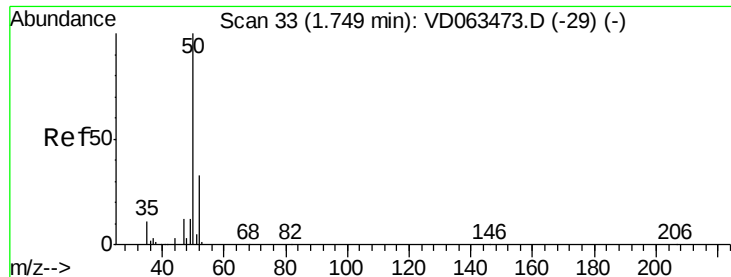
87 33.1 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.172 ug/l

RT: 1.76 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

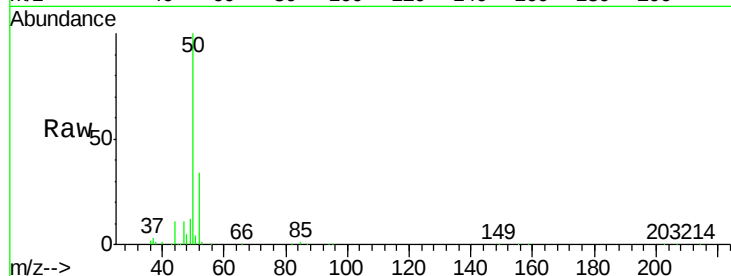
VSTDCCC050

Tot Ion: 50 Resp: 600297

Ion Ratio Lower Upper

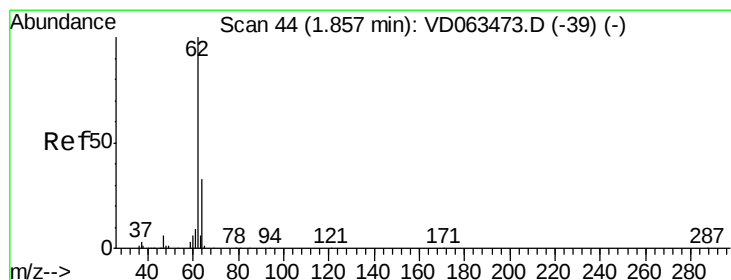
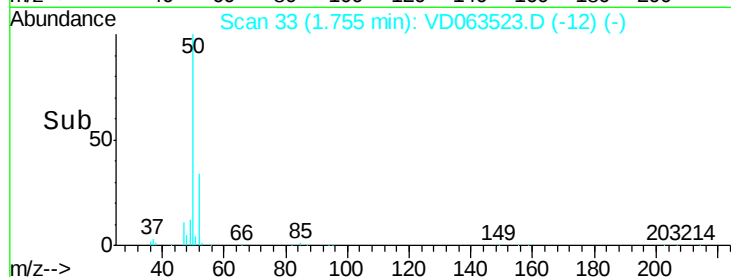
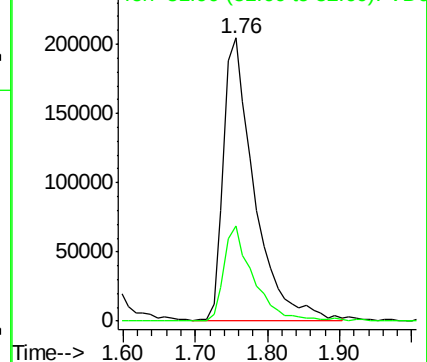
50 100

52 33.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.851 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD063523.D

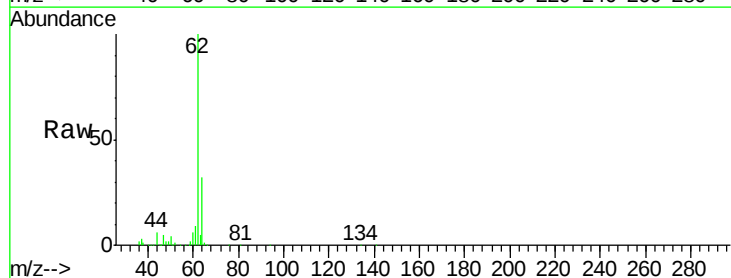
Acq: 13 Aug 2019 13:10

Tgt Ion: 62 Resp: 615860

Ion Ratio Lower Upper

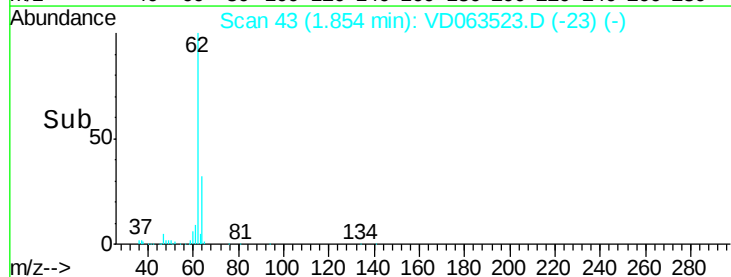
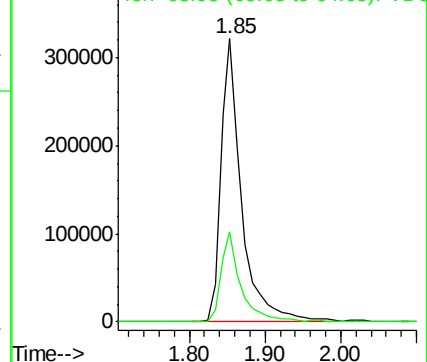
62 100

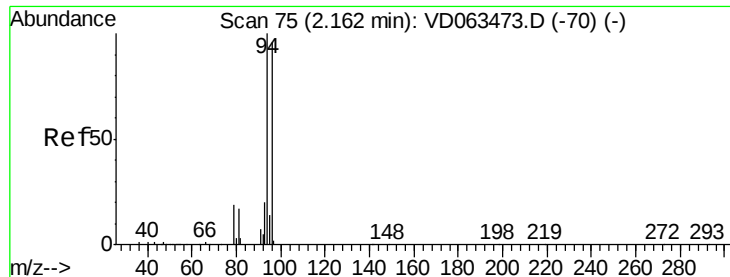
64 31.9 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 48.228 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

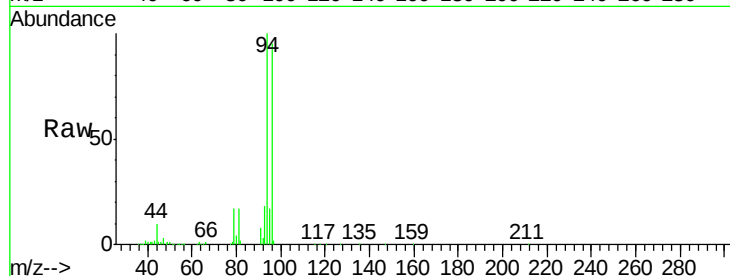
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 270292

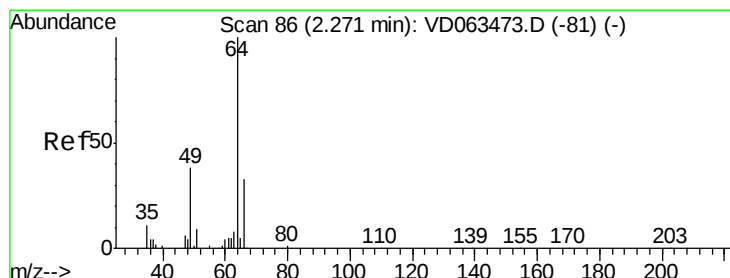
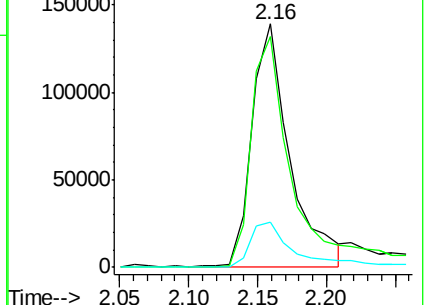
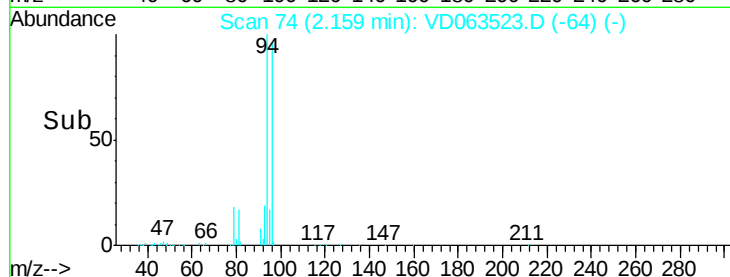
Ion	Ratio	Lower	Upper
94	100		
96	94.9	76.5	114.7
93	18.4	15.8	23.8



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: 51.761 ug/l

RT: 2.27 min Scan# 85

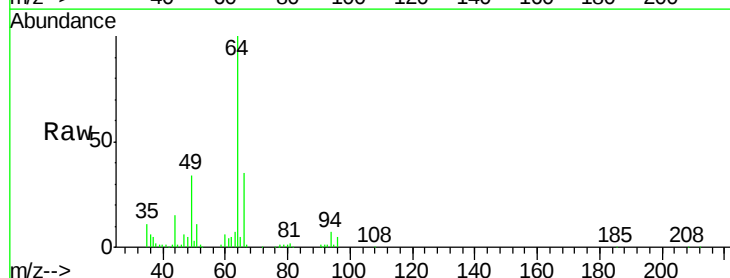
Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

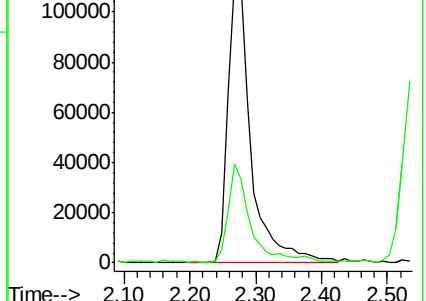
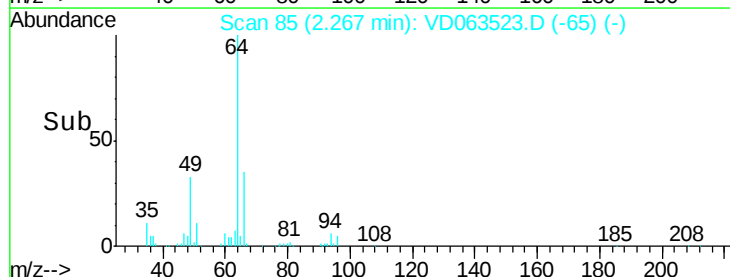
Tgt Ion: 64 Resp: 281143

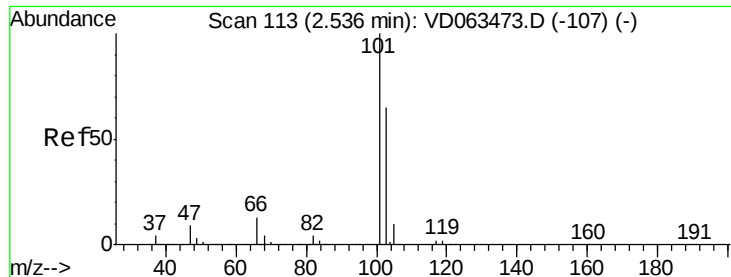
Ion	Ratio	Lower	Upper
64	100		
66	35.1	26.3	39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



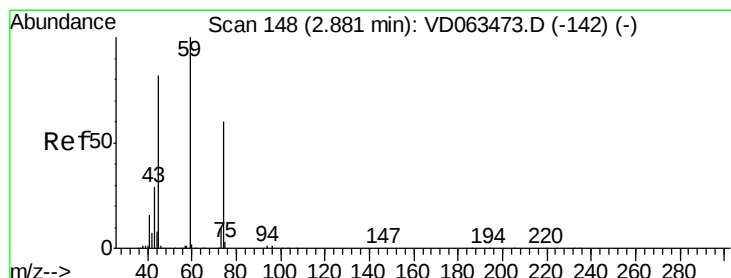
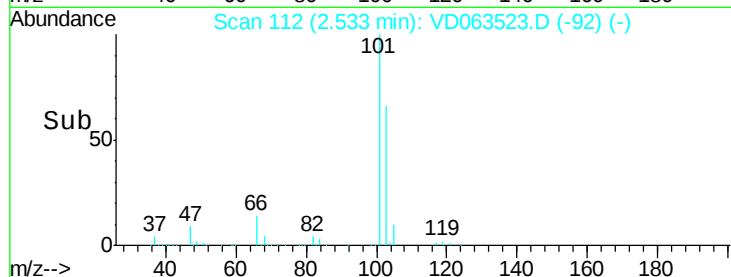
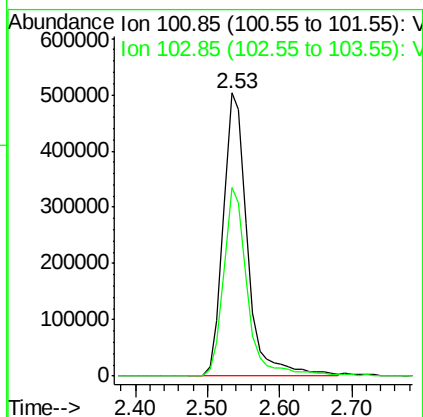
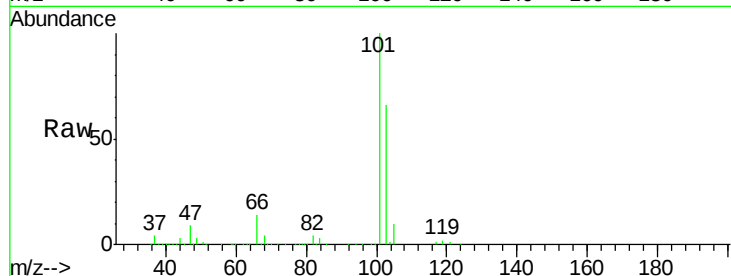


#7

Trichlorofluoromethane
 Concen: 50.233 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

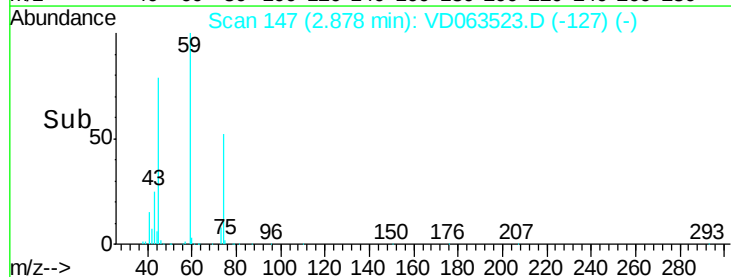
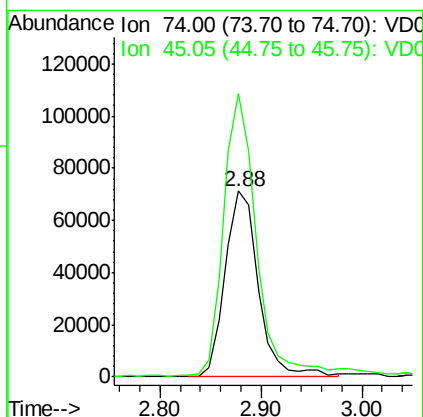
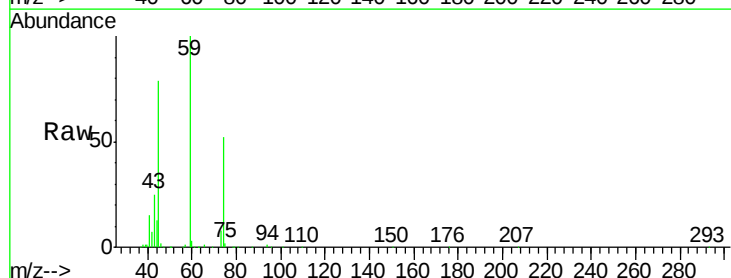
Tot Ion:101 Resp: 1170309
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.2 78.4



#8

Diethyl Ether
 Concen: 49.599 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

Tgt Ion: 74 Resp: 163149
 Ion Ratio Lower Upper
 74 100
 45 152.4 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.682 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

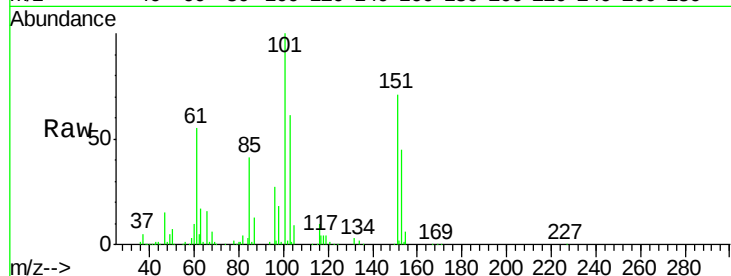
Tot Ion:101 Resp: 710980

Ion Ratio Lower Upper

101 100

85 41.4 35.8 53.6

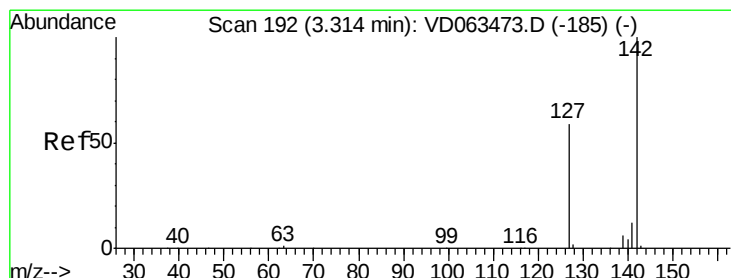
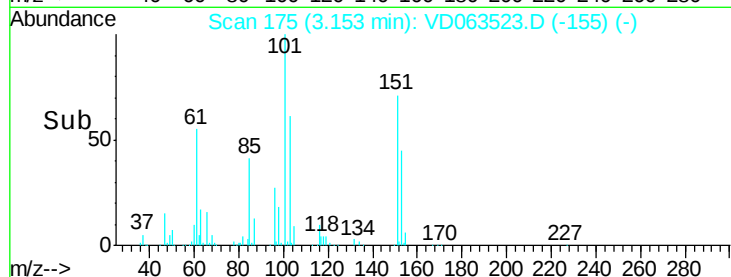
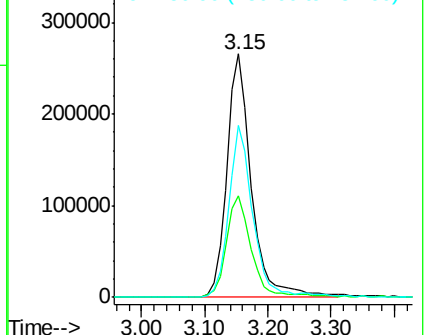
151 70.6 58.6 88.0



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: 49.421 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

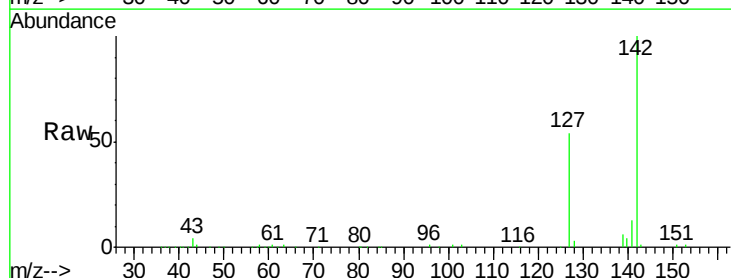
Tgt Ion:142 Resp: 961961

Ion Ratio Lower Upper

142 100

127 54.0 47.2 70.8

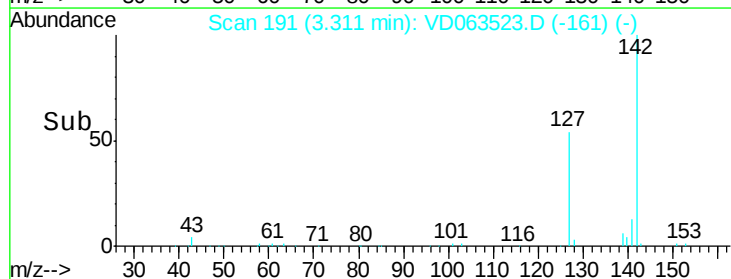
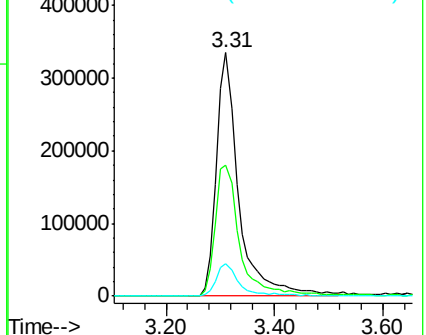
141 13.4 9.8 14.8

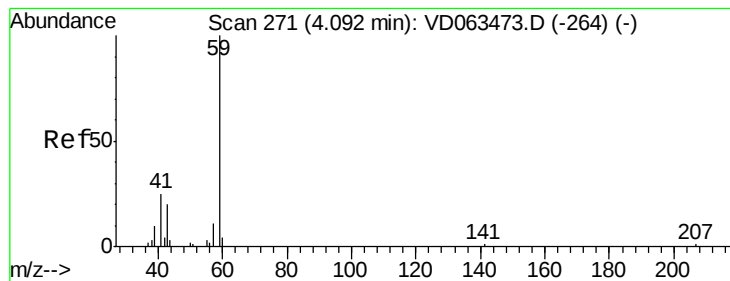


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



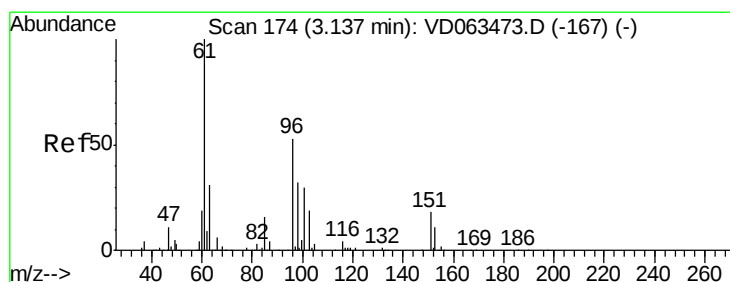
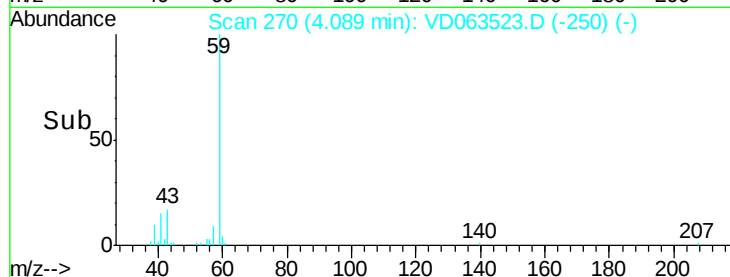
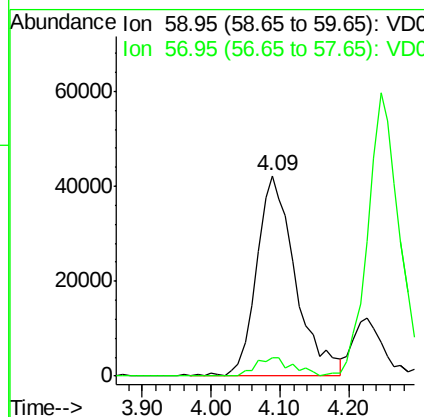
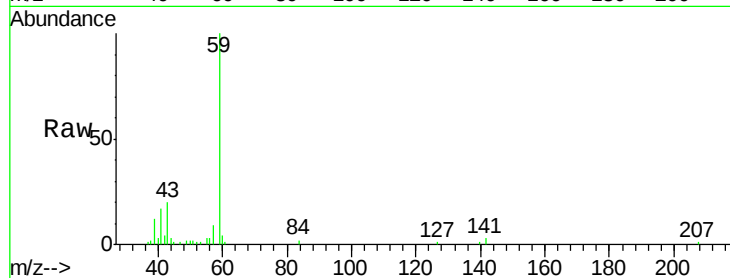


#11

Tert butyl alcohol
Concen: 280.592 ug/l
RT: 4.09 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

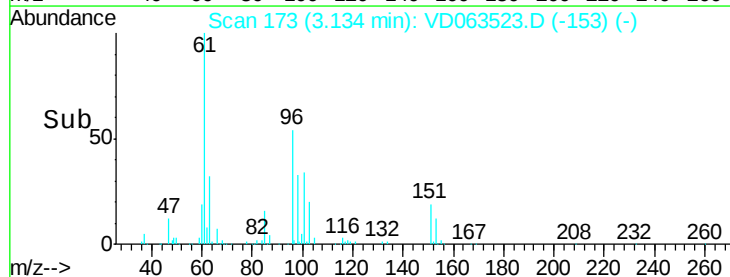
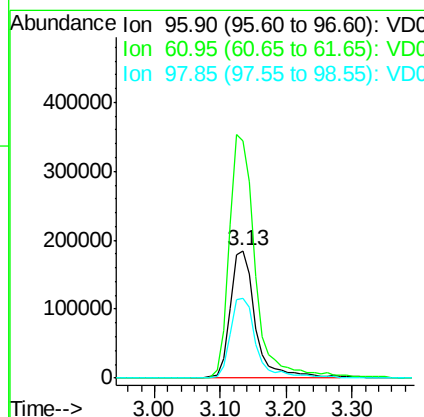
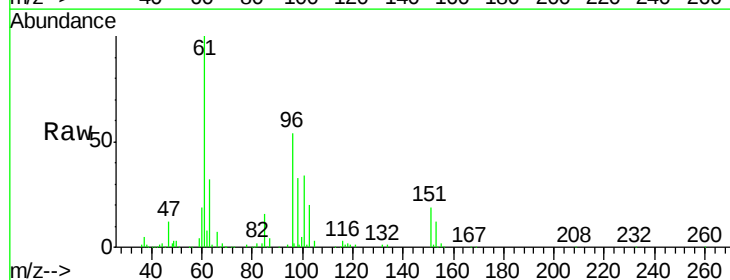
Tot Ion: 59 Resp: 165267
Ion Ratio Lower Upper
59 100
57 9.0 8.7 13.1

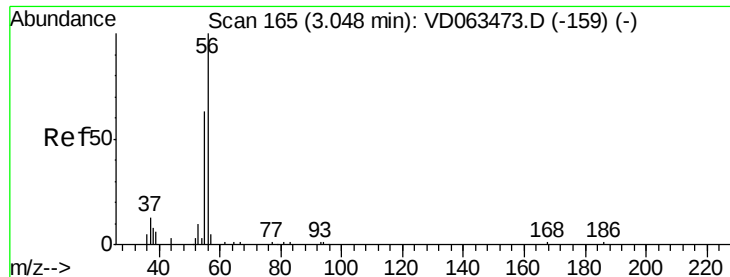


#12

1,1-Dichloroethene
Concen: 48.841 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion: 96 Resp: 499545
Ion Ratio Lower Upper
96 100
61 185.8 151.7 227.5
98 62.1 48.4 72.6

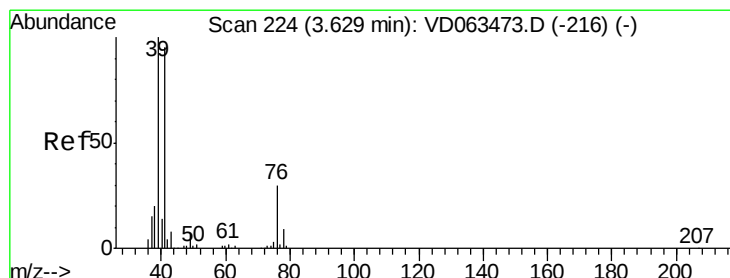
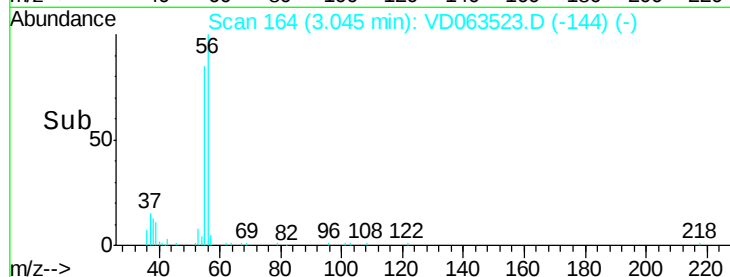
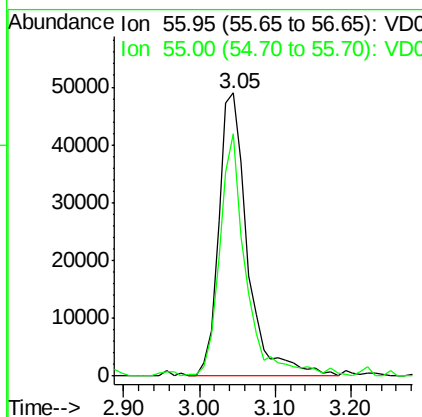
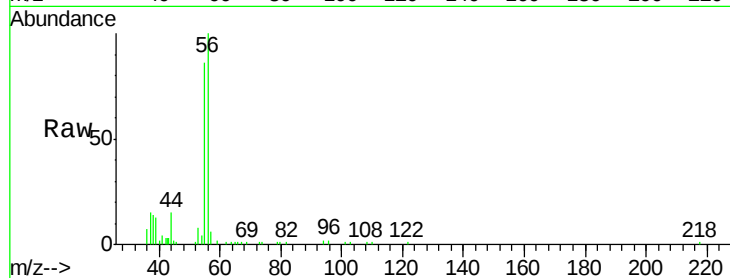




#13
Acrolein
Concen: 223.311 ug/l
RT: 3.05 min Scan# 164
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

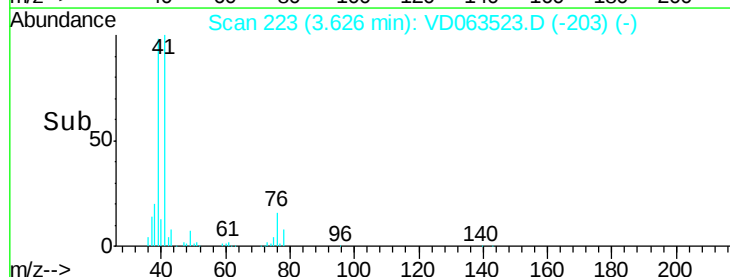
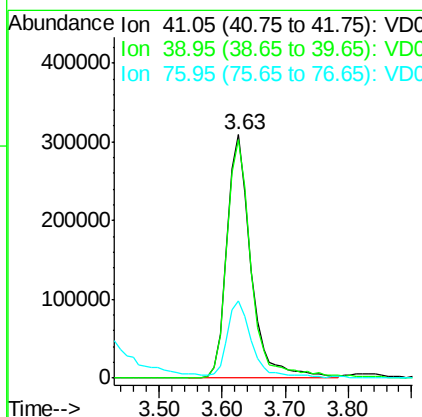
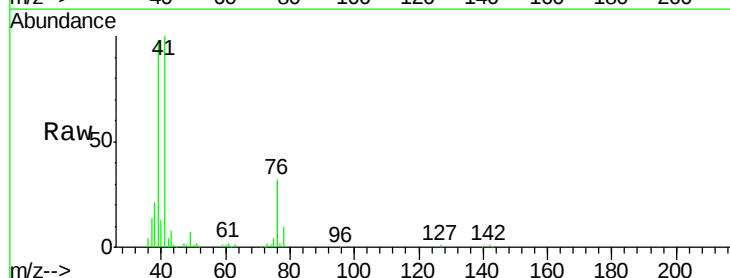
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

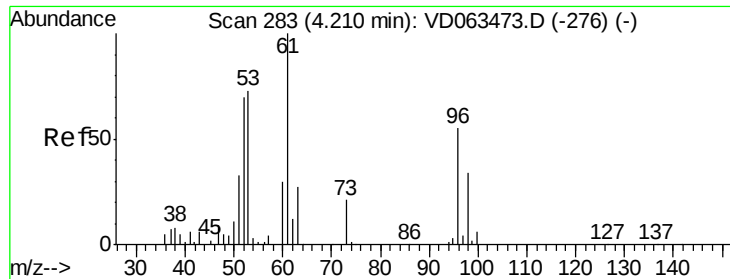
Tot Ion: 56 Resp: 129466
Ion Ratio Lower Upper
56 100
55 85.9 51.3 76.9#



#14
Allyl chloride
Concen: 53.129 ug/l
RT: 3.63 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion: 41 Resp: 816896
Ion Ratio Lower Upper
41 100
39 98.2 84.2 126.4
76 31.7 26.0 39.0





#15

Acrylonitrile

Concen: 258.535 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

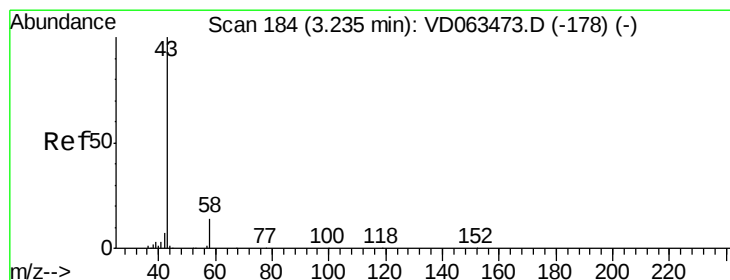
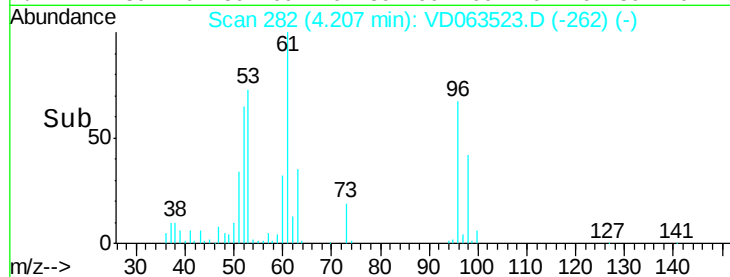
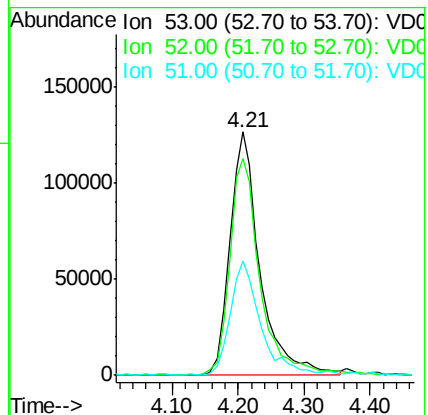
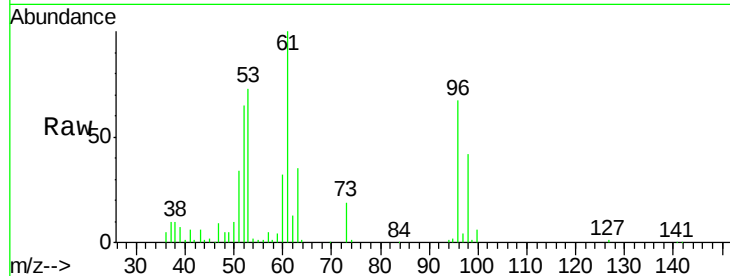
Tot Ion: 53 Resp: 403342

Ion Ratio Lower Upper

53 100

52 89.2 77.4 116.0

51 47.2 36.7 55.1



#16

Acetone

Concen: 296.538 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063523.D

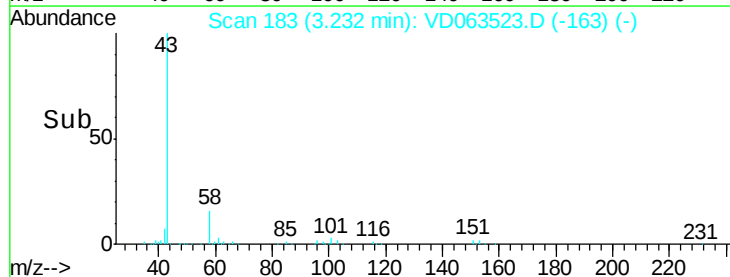
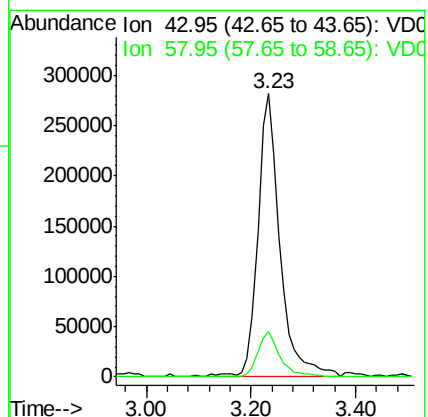
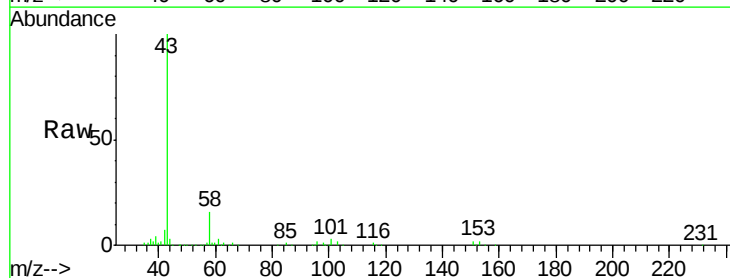
Acq: 13 Aug 2019 13:10

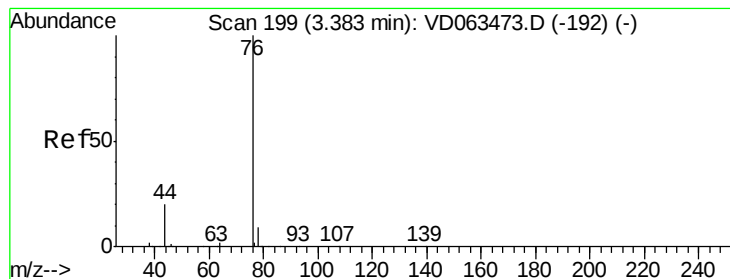
Tgt Ion: 43 Resp: 815602

Ion Ratio Lower Upper

43 100

58 15.9 11.4 17.2





#17

Carbon Disulfide

Concen: 51.867 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

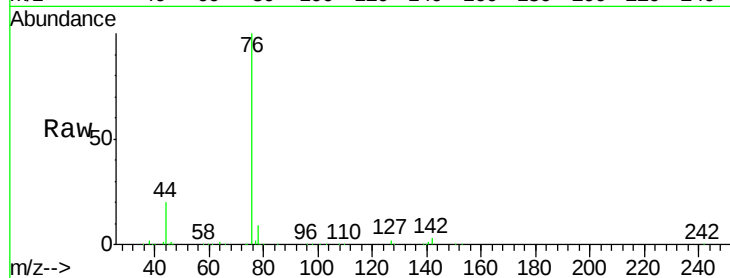
VSTDCCC050

Tot Ion: 76 Resp: 1674264

Ion Ratio Lower Upper

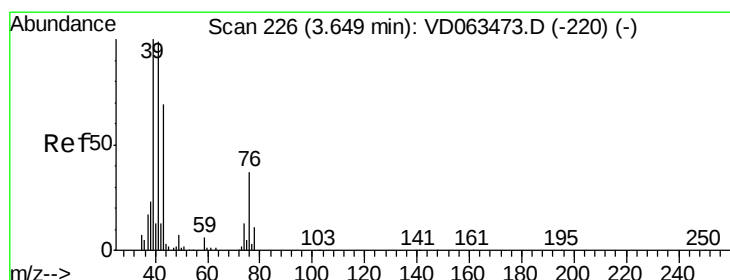
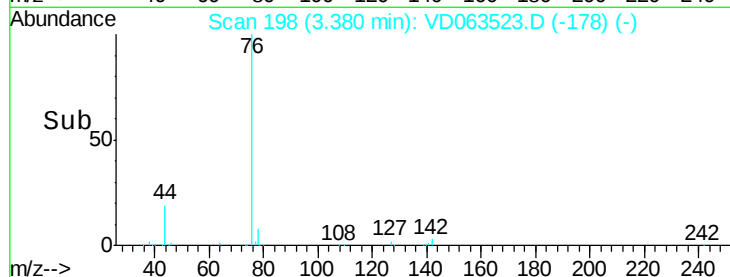
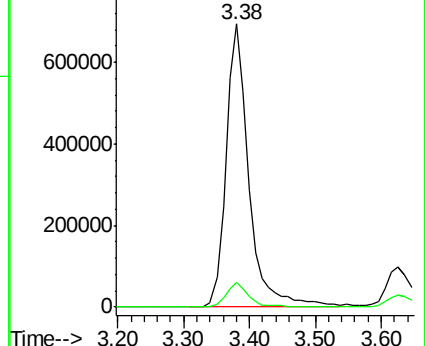
76 100

78 8.7 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 46.944 ug/l

RT: 3.65 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD063523.D

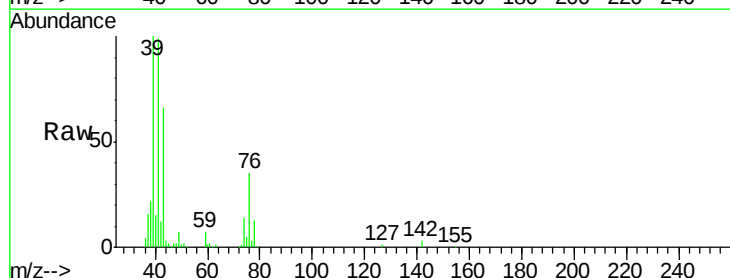
Acq: 13 Aug 2019 13:10

Tgt Ion: 43 Resp: 244562

Ion Ratio Lower Upper

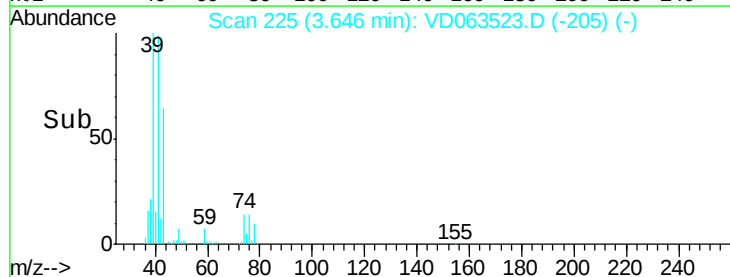
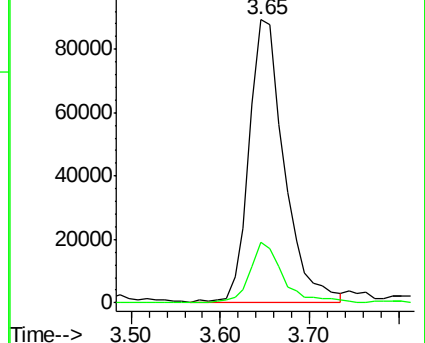
43 100

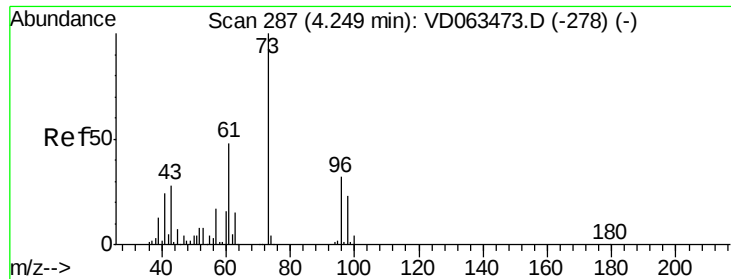
74 21.4 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

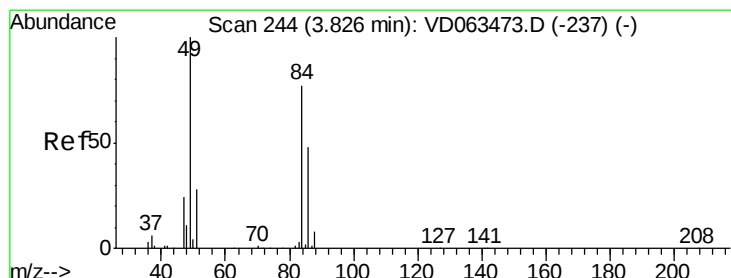
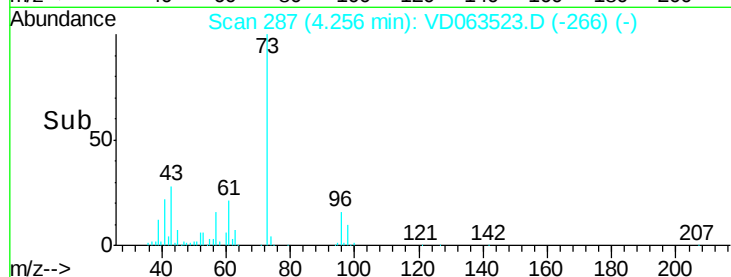
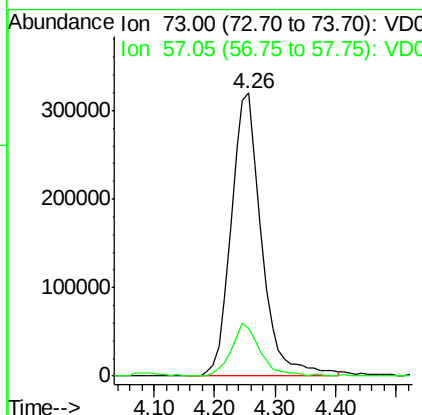
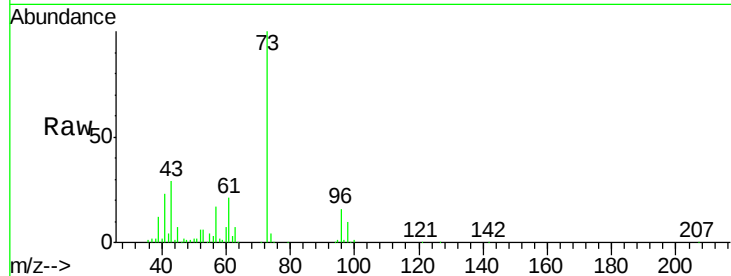




#19
Methvl tert-butvl Ether
Concen: 54.320 ug/l
RT: 4.26 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

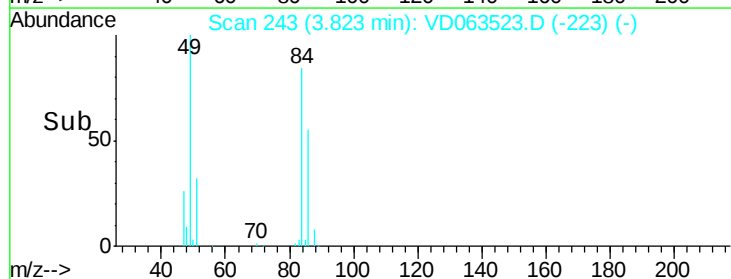
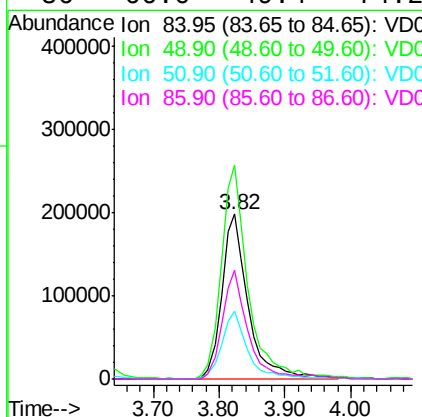
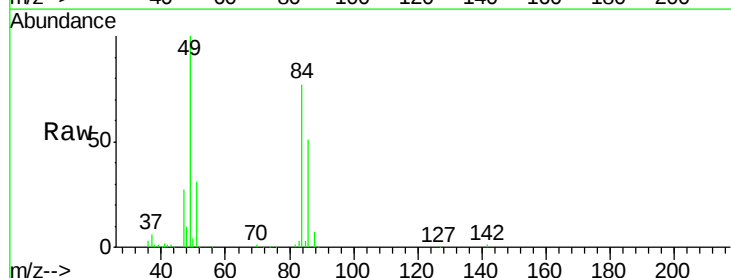
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

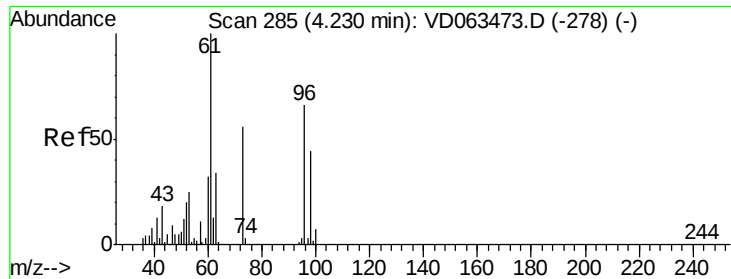
Tot Ion: 73 Resp: 1111097
Ion Ratio Lower Upper
73 100
57 16.9 14.0 21.0



#20
Methylene Chloride
Concen: 46.543 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion: 84 Resp: 553542
Ion Ratio Lower Upper
84 100
49 129.8 103.4 155.2
51 40.9 28.5 42.7
86 66.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 52.624 ug/l

RT: 4.23 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

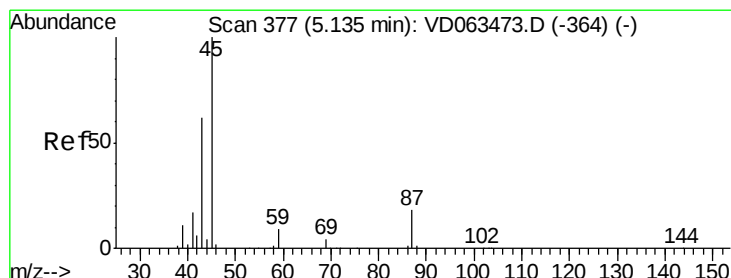
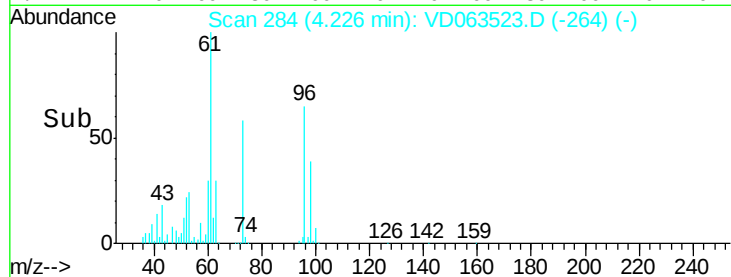
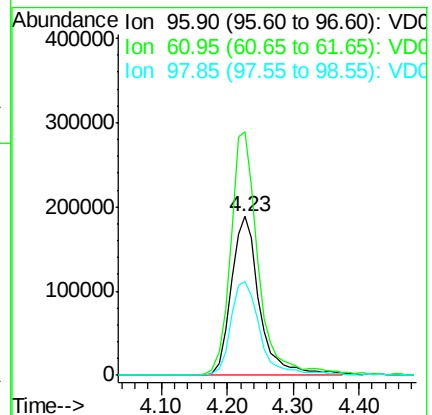
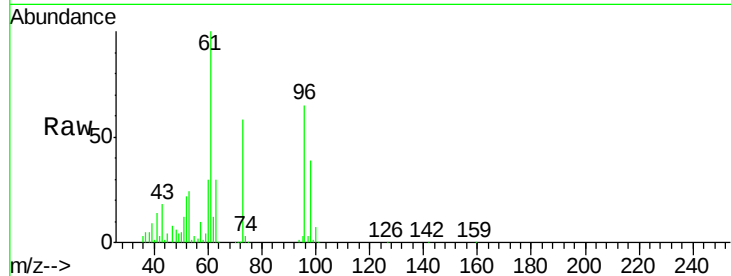
Tot Ion: 96 Resp: 566394

Ion Ratio Lower Upper

96 100

61 153.2 121.7 182.5

98 59.1 54.2 81.2



#22

Diisopropyl ether

Concen: 51.856 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Tgt Ion: 45 Resp: 1645297

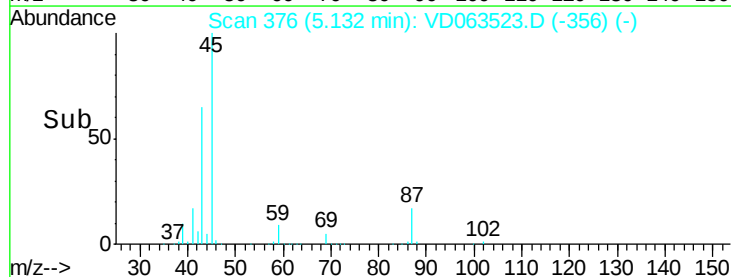
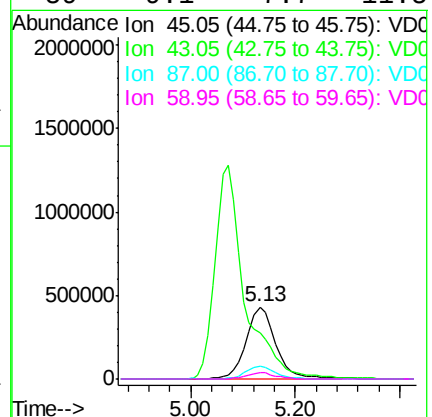
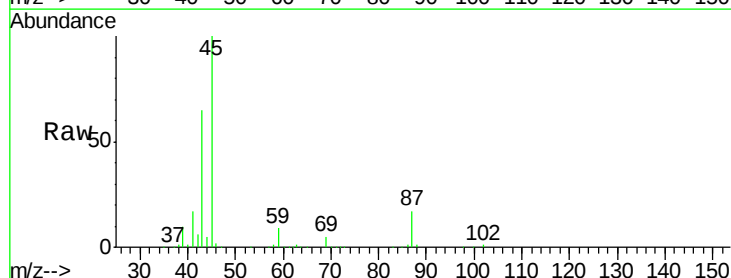
Ion Ratio Lower Upper

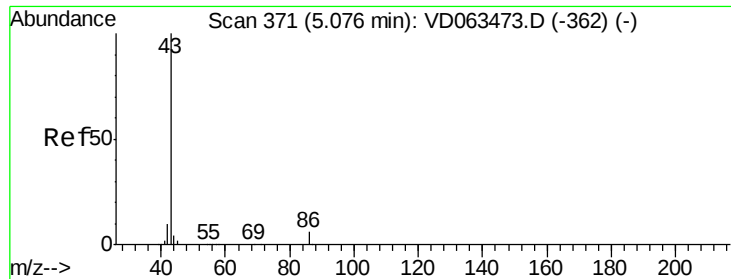
45 100

43 64.7 50.3 75.5

87 17.4 14.3 21.5

59 9.1 7.7 11.5





#23

Vinyl Acetate

Concen: 270.735 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

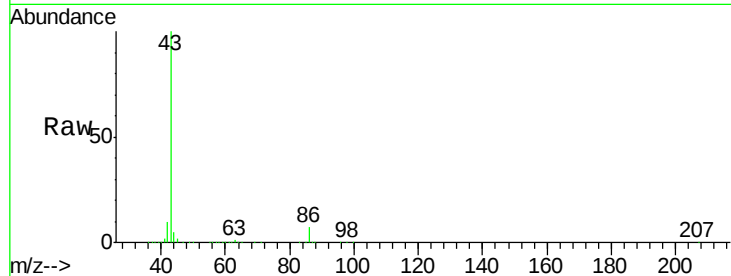
VSTDCCC050

Tot Ion: 43 Resp: 4993772

Ion Ratio Lower Upper

43 100

86 6.7 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1500000

1000000

500000

0

Time-->

4.90 5.00 5.10 5.20 5.30

5.07

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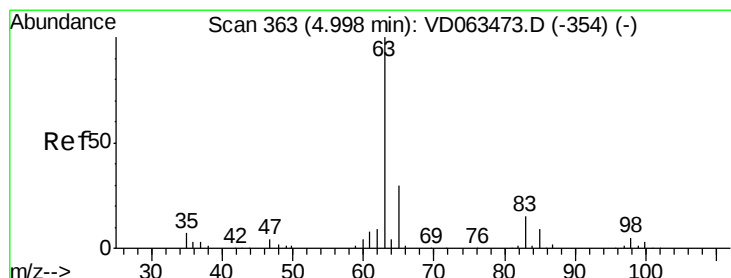
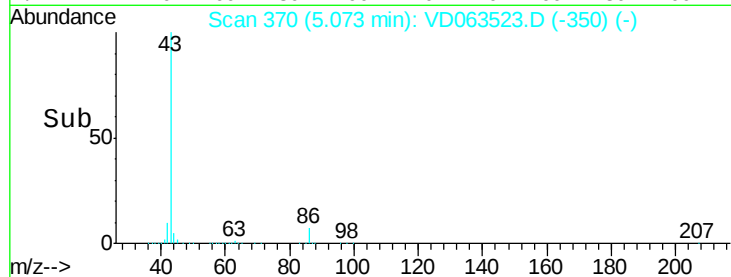
5.07

5.07

5.07

5.07

5.07



#24

1,1-Dichloroethane

Concen: 49.868 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

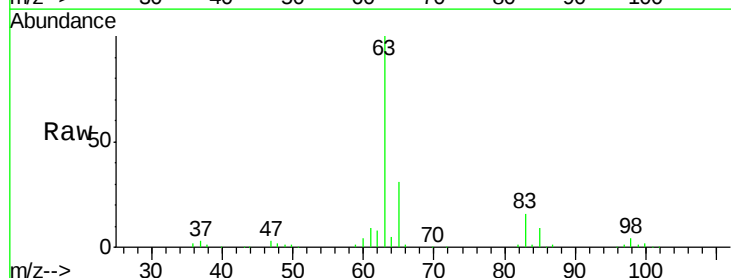
Tgt Ion: 63 Resp: 981327

Ion Ratio Lower Upper

63 100

98 4.0 2.4 7.2

100 2.2 1.3 3.8



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

300000

200000

100000

0

Time-->

4.80 4.90 5.00 5.10 5.20

4.99

4.99

4.99

4.99

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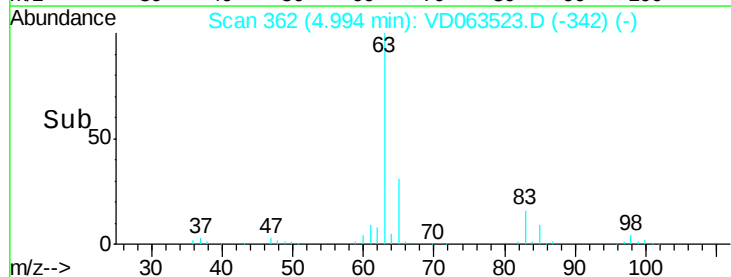
4.99

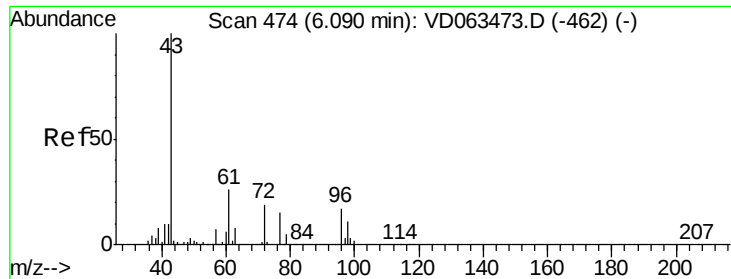
4.99

4.99

4.99

4.99





#25

2-Butanone

Concen: 275.697 ug/l

RT: 6.09 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

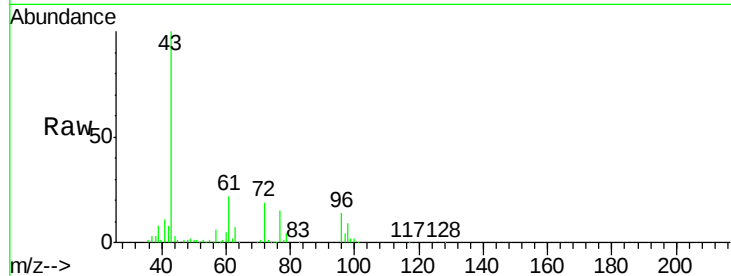
VSTDCCC050

Tot Ion: 43 Resp: 748904

Ion Ratio Lower Upper

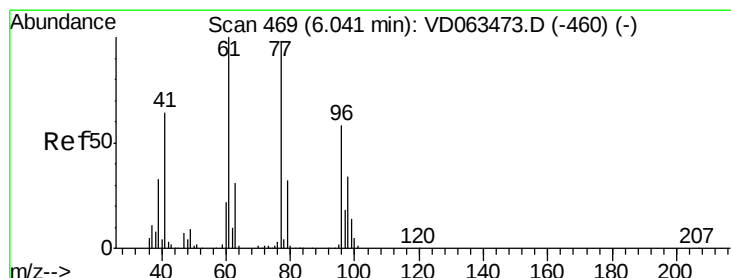
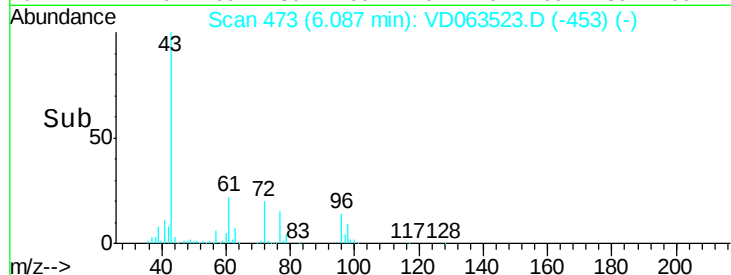
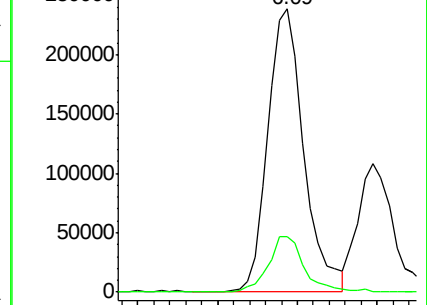
43 100

72 19.5 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.219 ug/l

RT: 6.04 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD063523.D

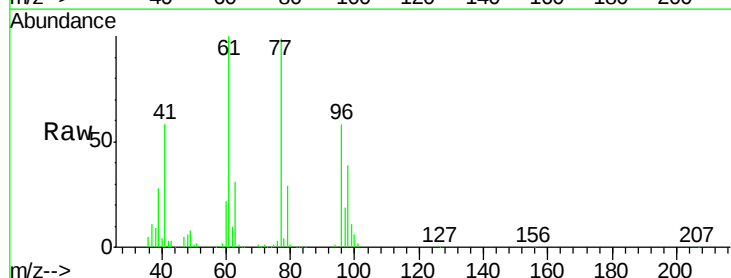
Acq: 13 Aug 2019 13:10

Tgt Ion: 77 Resp: 1043137

Ion Ratio Lower Upper

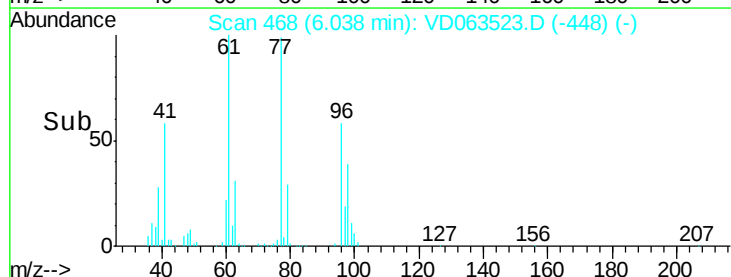
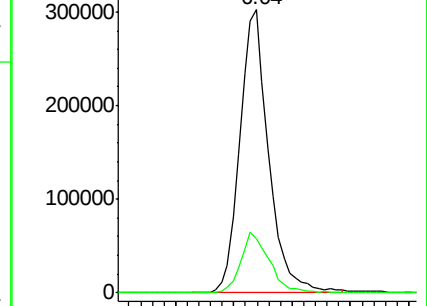
77 100

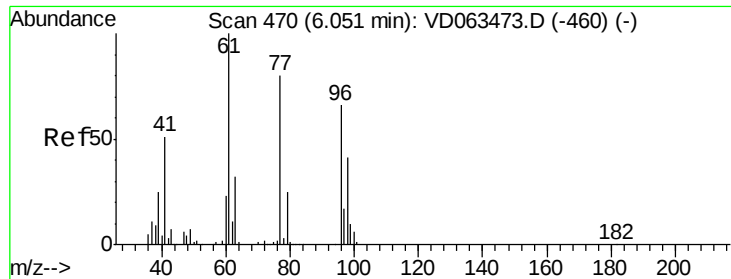
97 19.1 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



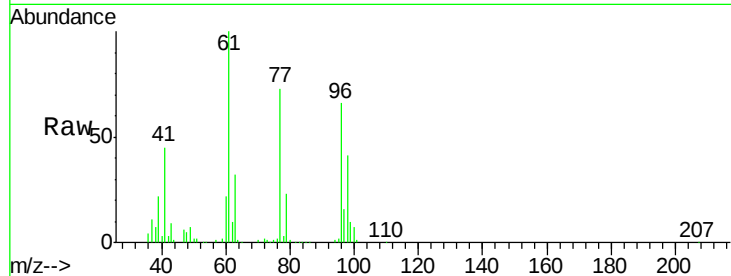


#27

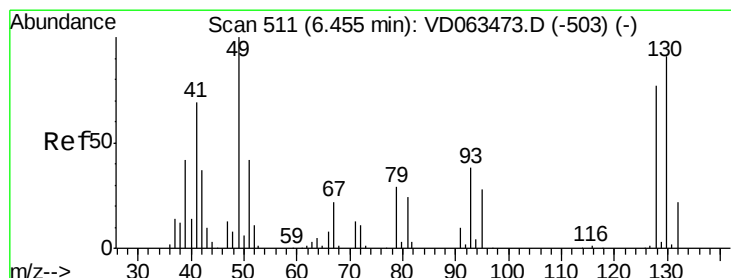
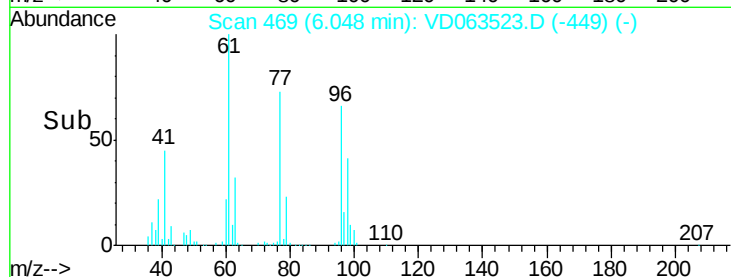
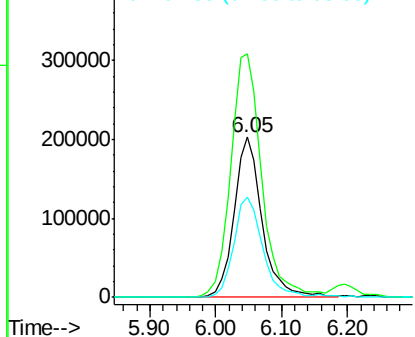
cis-1,2-Dichloroethene
Concen: 51.303 ug/l
RT: 6.05 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 604134
Ion Ratio Lower Upper
96 100
61 151.9 0.0 304.0
98 62.8 0.0 124.8



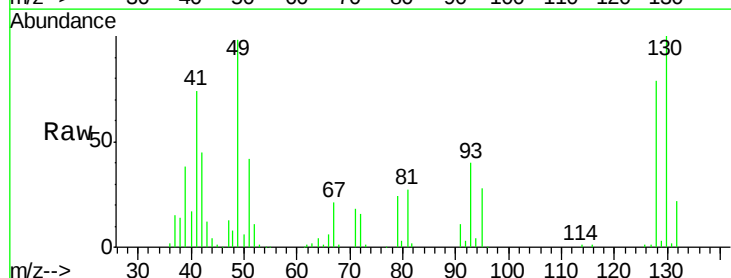
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



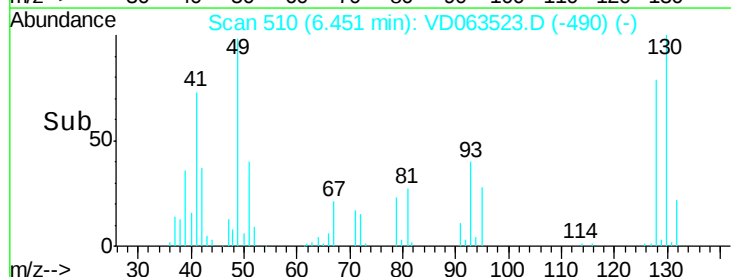
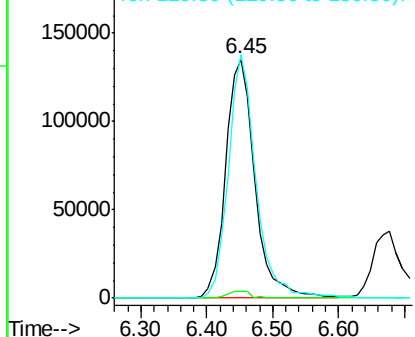
#28

Bromochloromethane
Concen: 52.474 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion: 49 Resp: 418511
Ion Ratio Lower Upper
49 100
129 2.9 0.0 6.4
130 102.0 72.4 108.6



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





#29

Tetrahydrofuran

Concen: 265.433 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

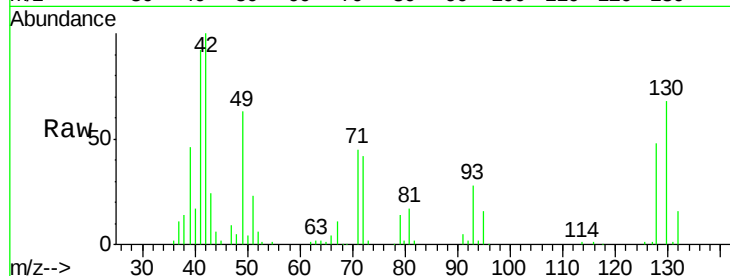
Tot Ion: 42 Resp: 335979

Ion Ratio Lower Upper

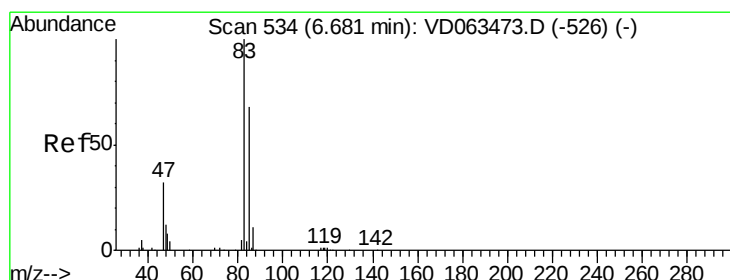
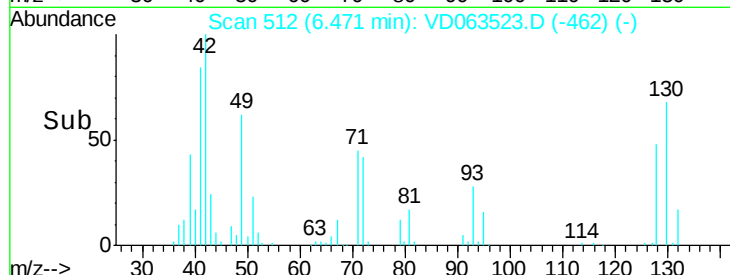
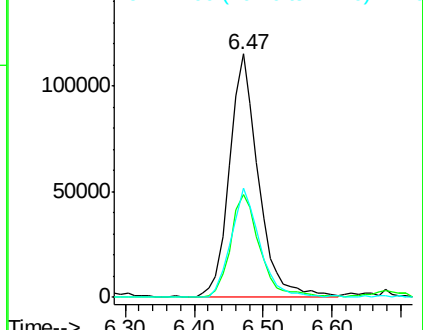
42 100

72 42.7 31.5 47.3

71 44.2 33.8 50.8



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: 48.000 ug/l

RT: 6.68 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD063523.D

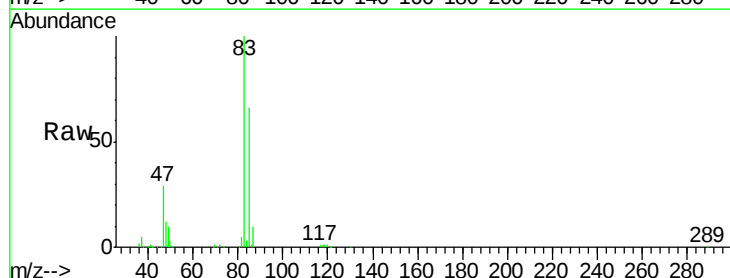
Acq: 13 Aug 2019 13:10

Tgt Ion: 83 Resp: 1174096

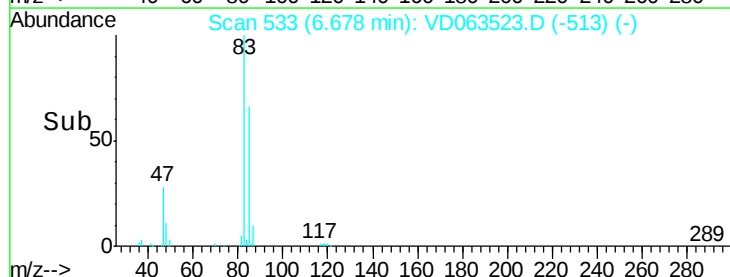
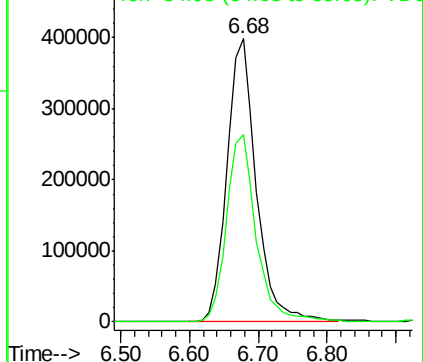
Ion Ratio Lower Upper

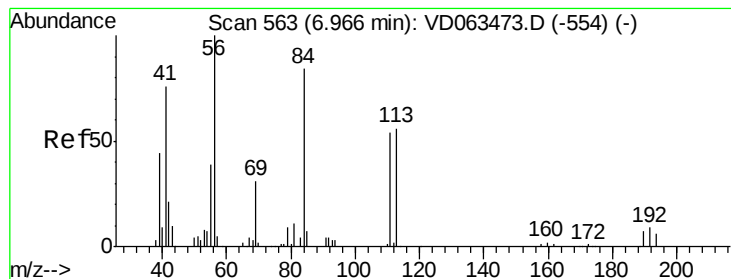
83 100

85 66.0 54.8 82.2



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





#31

Cyclohexane

Concen: 54.669 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

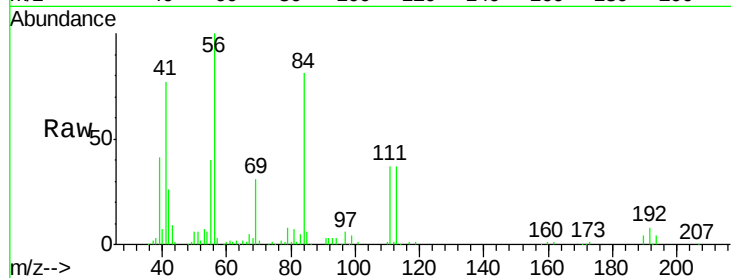
Tot Ion: 56 Resp: 667874

Ion Ratio Lower Upper

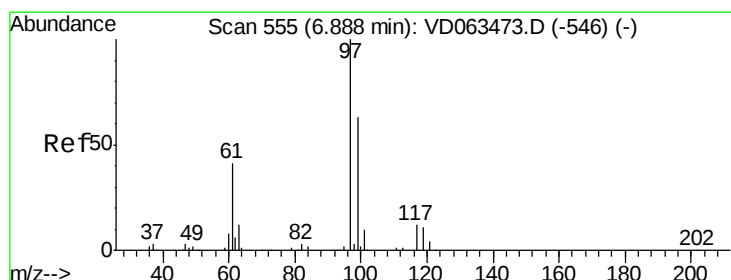
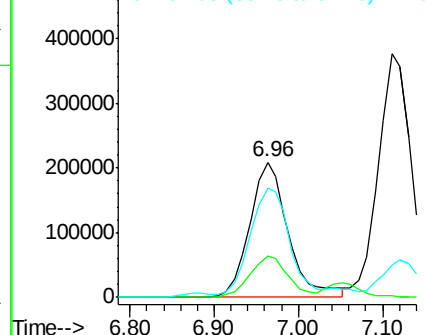
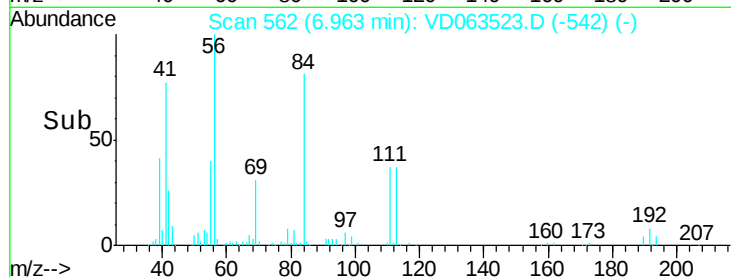
56 100

69 30.7 25.0 37.6

84 80.5 69.7 104.5



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: 50.989 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

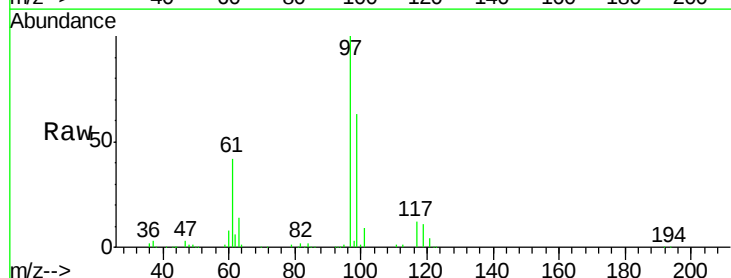
Tgt Ion: 97 Resp: 1193061

Ion Ratio Lower Upper

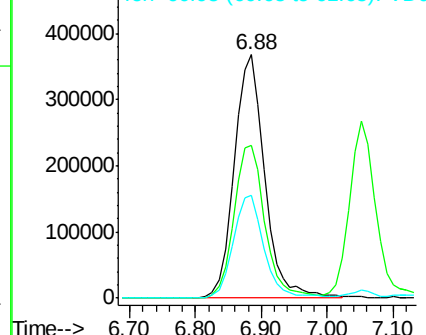
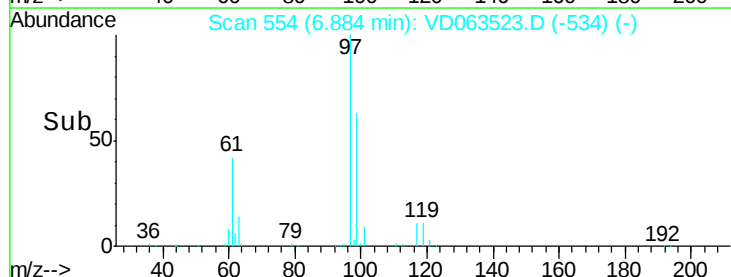
97 100

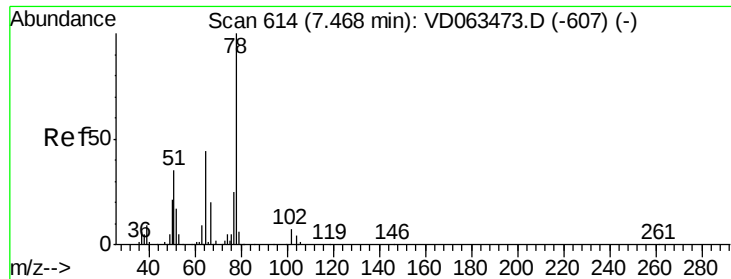
99 62.6 50.2 75.4

61 42.5 33.1 49.7



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





#33

1,2-Dichloroethane-d4

Concen: 49.437 ug/l

RT: 7.47 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

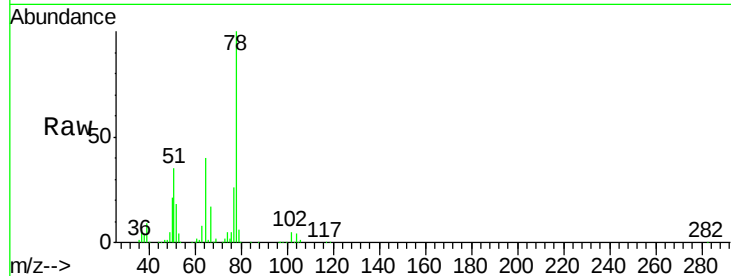
VSTDCCC050

Tot Ion: 65 Resp: 668891

Ion Ratio Lower Upper

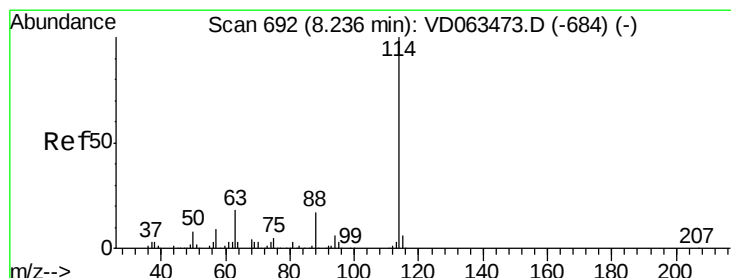
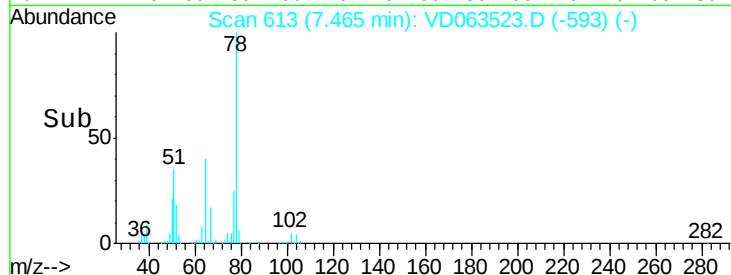
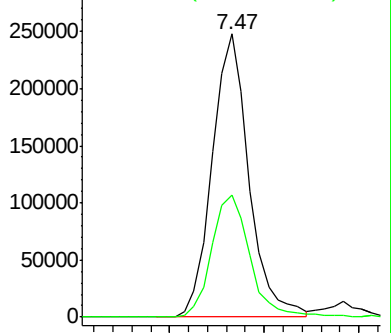
65 100

67 43.0 0.0 89.2



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: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

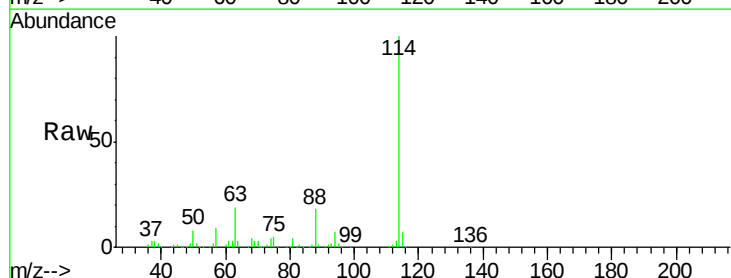
Tgt Ion: 114 Resp: 1823376

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.2

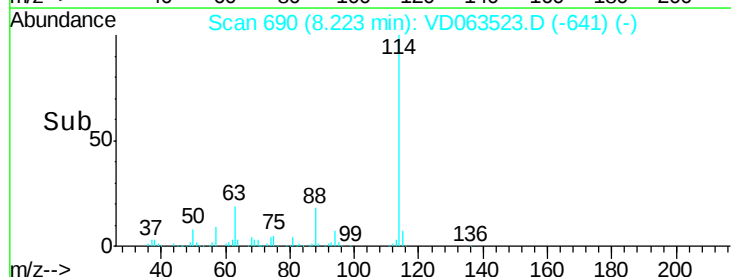
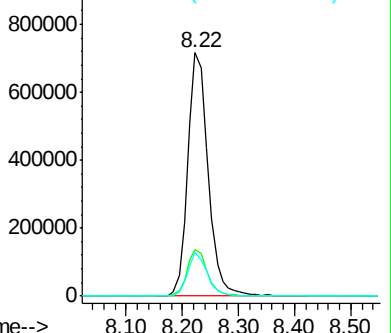
88 18.0 0.0 35.0

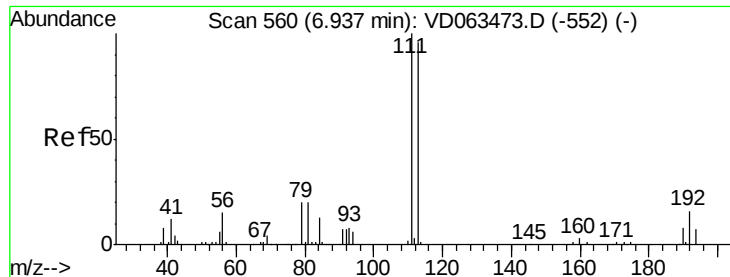


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.662 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

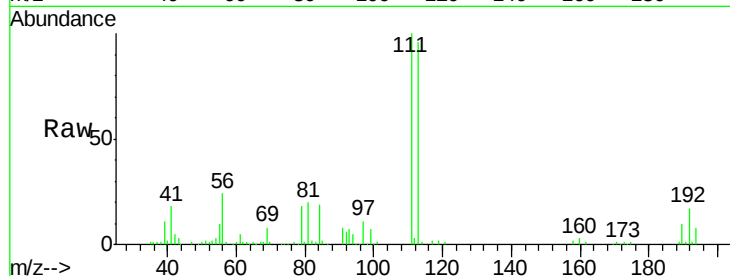
Tot Ion:113 Resp: 747277

Ion Ratio Lower Upper

113 100

111 103.8 83.1 124.7

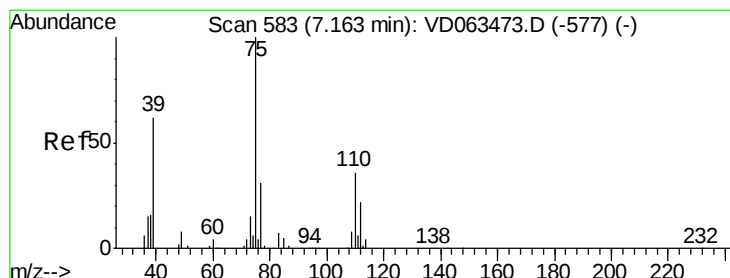
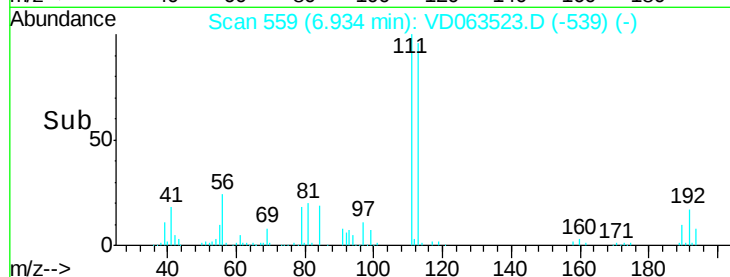
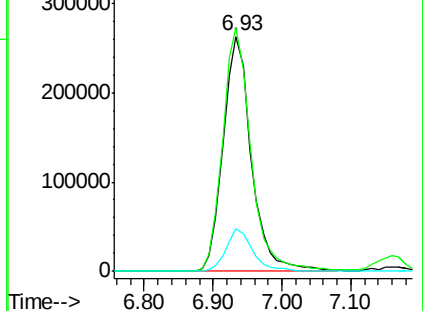
192 18.2 13.1 19.7



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: 51.673 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

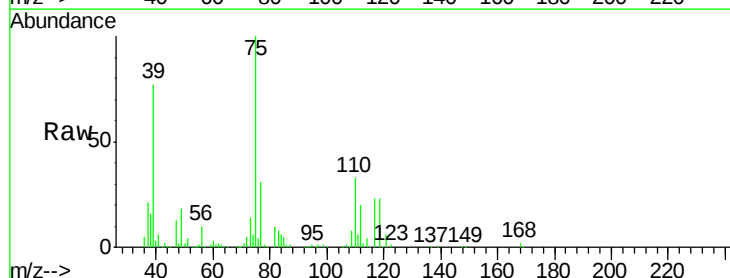
Tgt Ion: 75 Resp: 832927

Ion Ratio Lower Upper

75 100

110 32.6 17.6 52.8

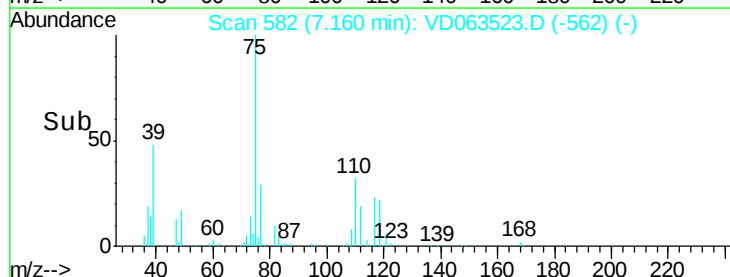
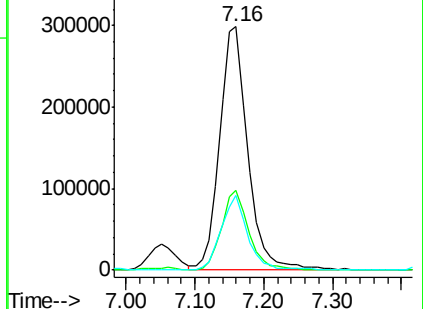
77 30.6 24.3 36.5



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

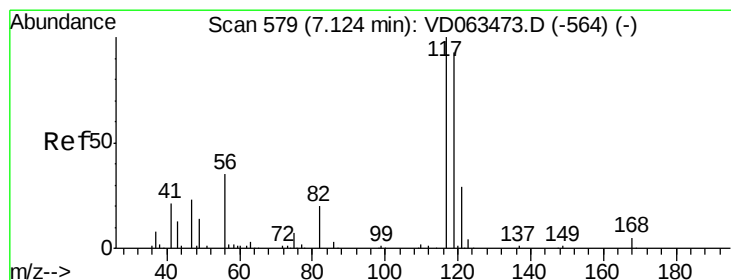
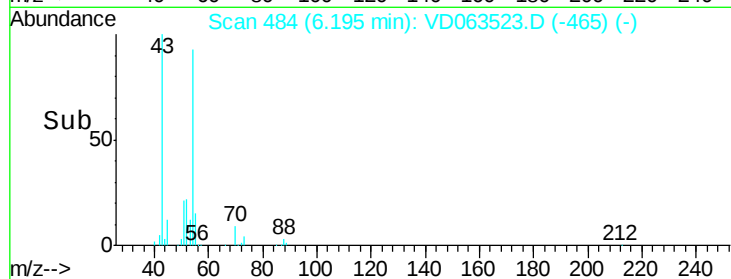
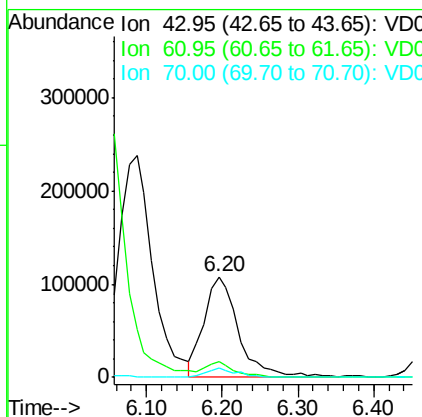
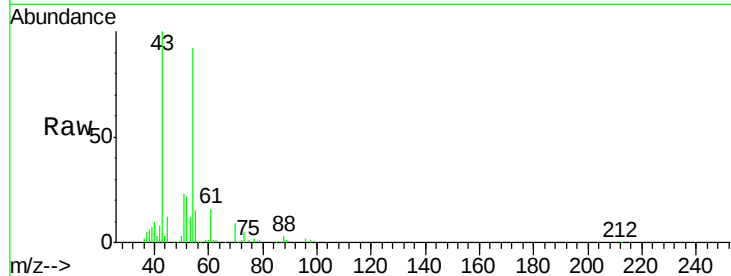




#37
Ethyl Acetate
Concen: 49.461 ug/l
RT: 6.20 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

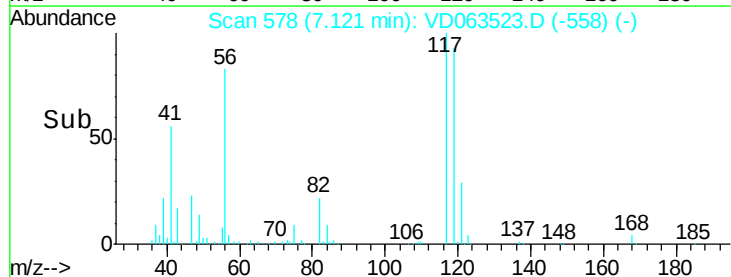
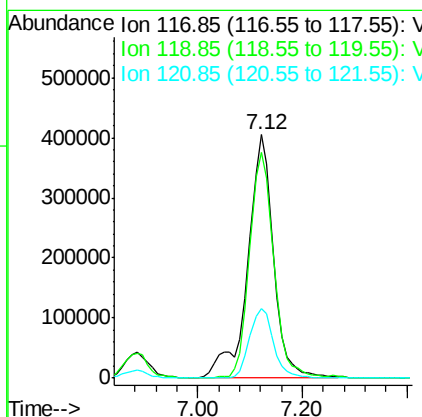
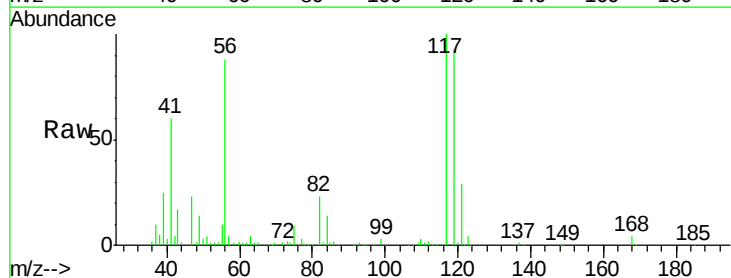
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

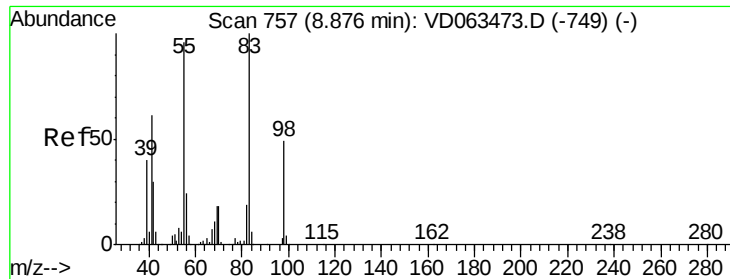
Tot Ion: 43 Resp: 334080
Ion Ratio Lower Upper
43 100
61 15.9 9.0 13.6#
70 9.3 6.9 10.3



#38
Carbon Tetrachloride
Concen: 55.571 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion: 117 Resp: 1350010
Ion Ratio Lower Upper
117 100
119 92.6 74.2 111.2
121 28.7 23.1 34.7

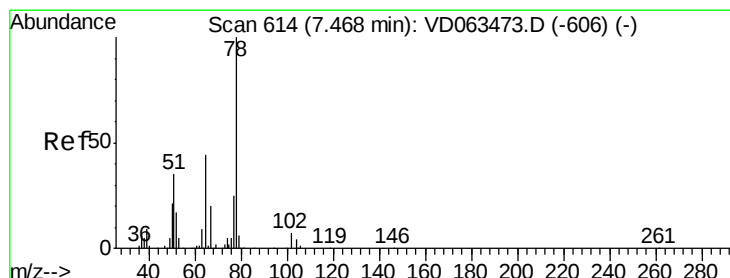
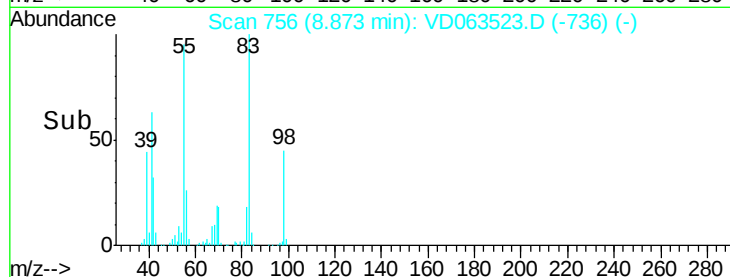
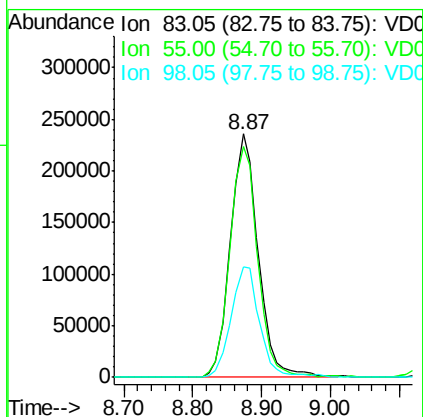
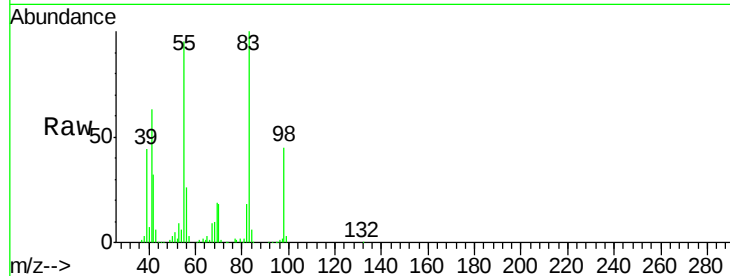




#39
Methylvlcvclohexane
Concen: 48.169 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

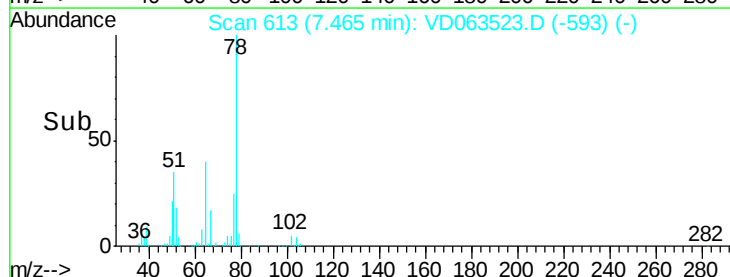
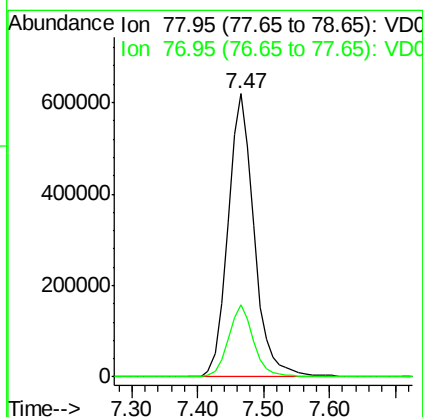
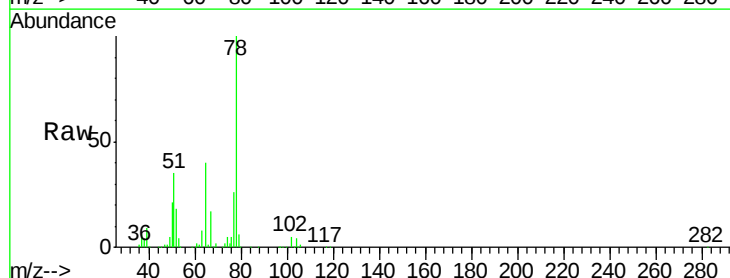
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

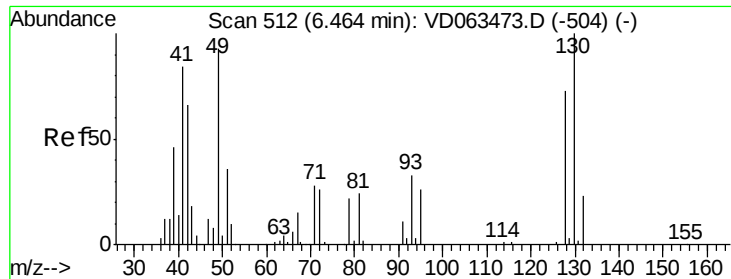
Tot Ion: 83 Resp: 660235
Ion Ratio Lower Upper
83 100
55 94.7 76.6 114.8
98 45.2 39.4 59.0



#40
Benzene
Concen: 48.722 ug/l
RT: 7.47 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion: 78 Resp: 1728299
Ion Ratio Lower Upper
78 100
77 25.6 20.1 30.1





#41

Methacrylonitrile

Concen: 51.753 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 440132

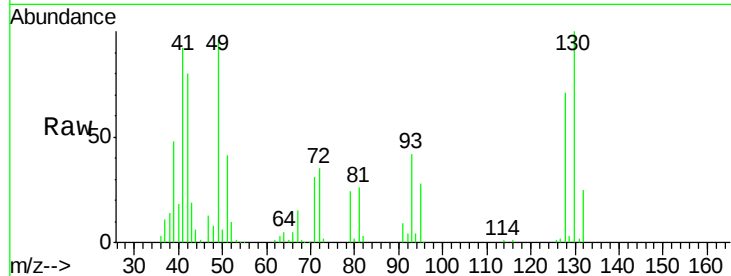
Ion Ratio Lower Upper

41 100

39 51.8 44.6 66.8

67 16.6 14.4 21.6

52 10.6 9.3 13.9

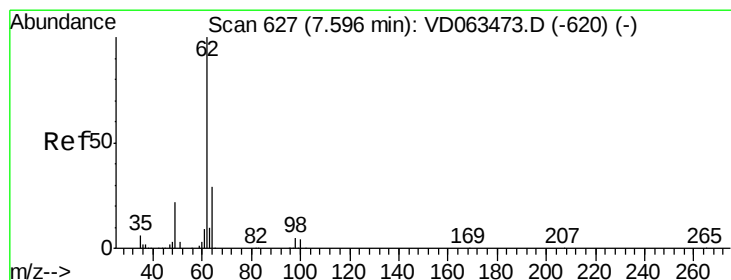
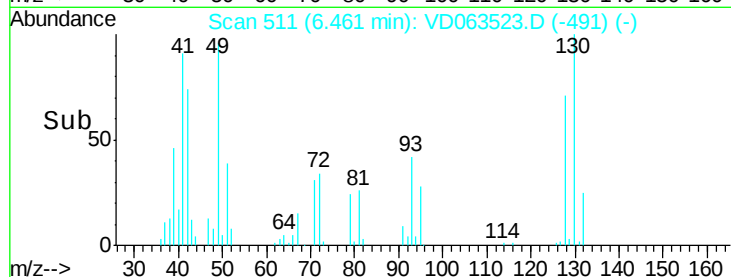
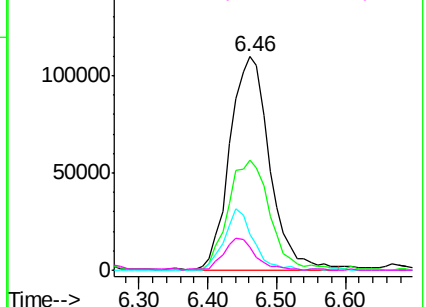


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 47.908 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

Lab File: VD063523.D

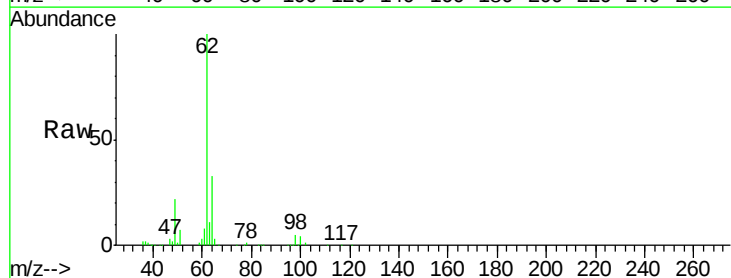
Acq: 13 Aug 2019 13:10

Tgt Ion: 62 Resp: 854511

Ion Ratio Lower Upper

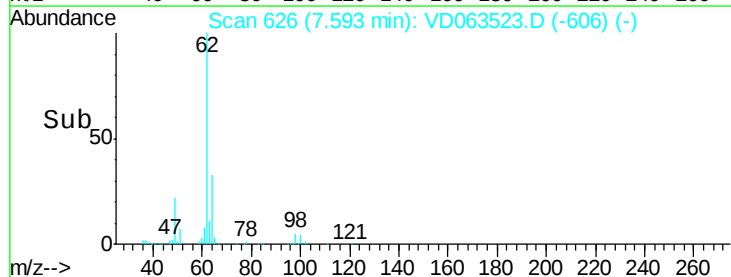
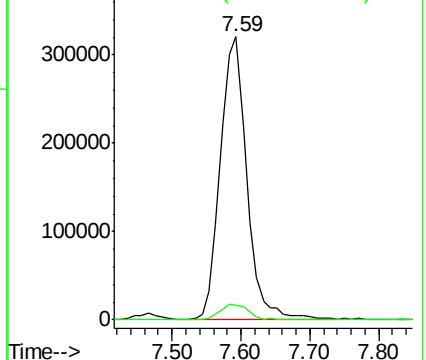
62 100

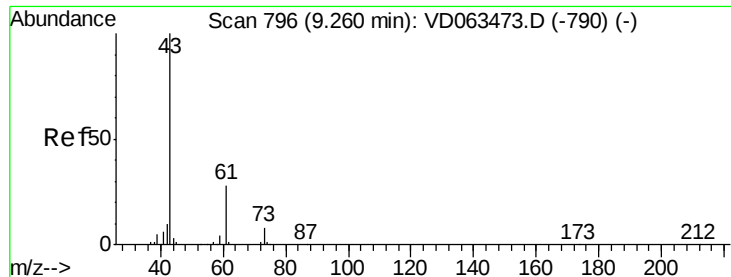
98 5.2 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 52.373 ug/l

RT: 9.25 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

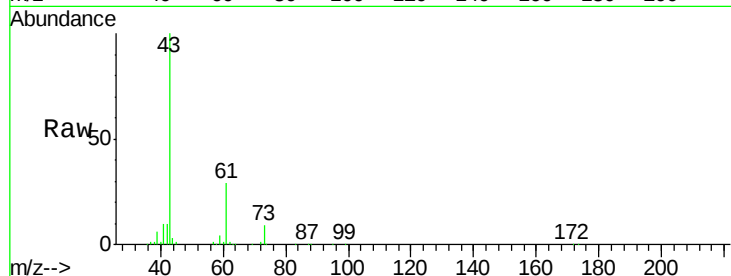
Tot Ion: 43 Resp: 473782

Ion Ratio Lower Upper

43 100

61 28.6 22.2 33.2

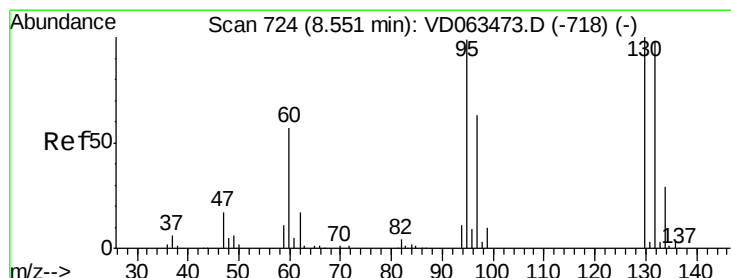
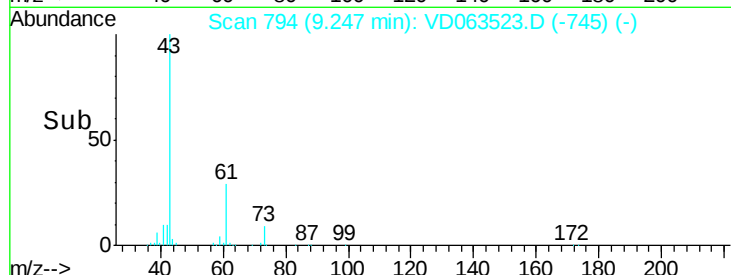
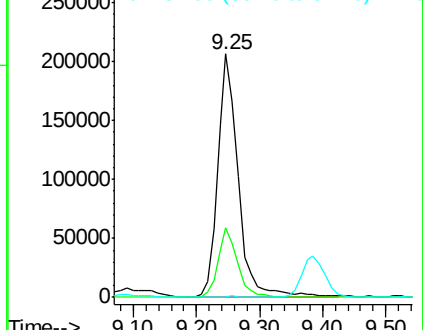
87 0.2 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.462 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD063523.D

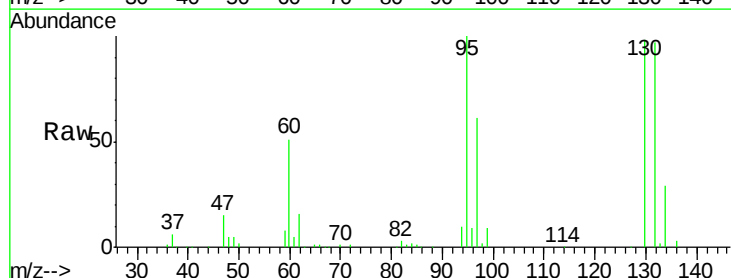
Acq: 13 Aug 2019 13:10

Tgt Ion: 130 Resp: 684183

Ion Ratio Lower Upper

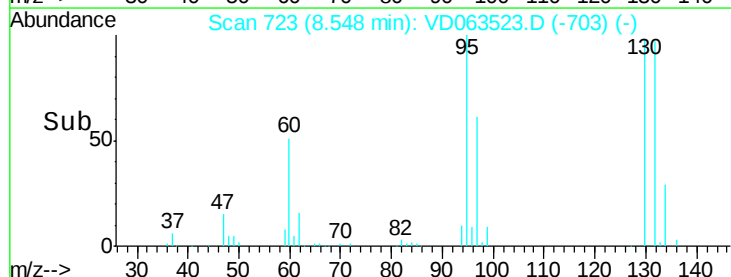
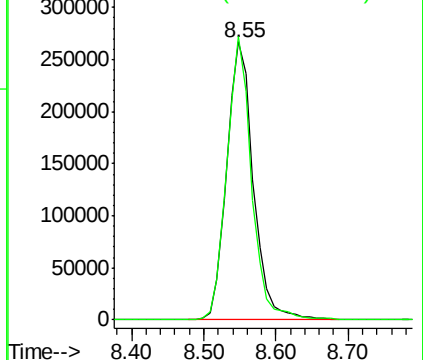
130 100

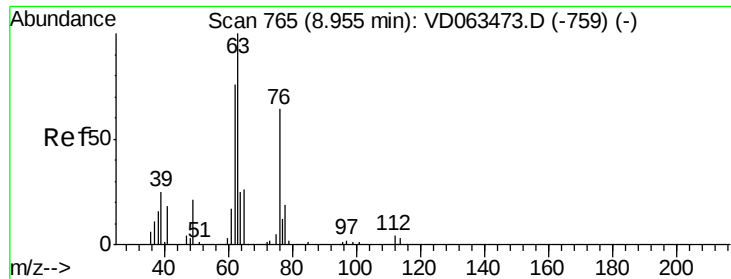
95 101.9 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.171 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

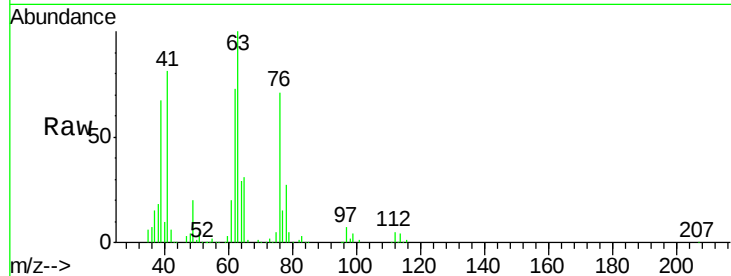
VSTDCCC050

Tot Ion: 63 Resp: 422702

Ion Ratio Lower Upper

63 100

65 31.0 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

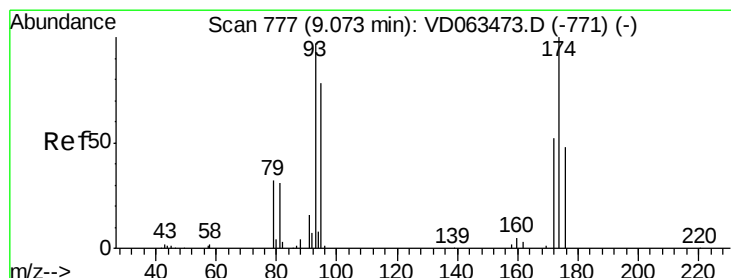
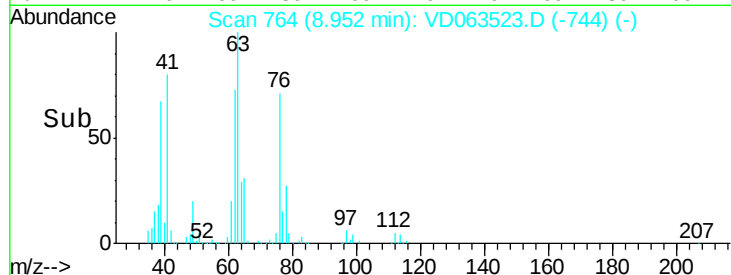
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 51.291 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

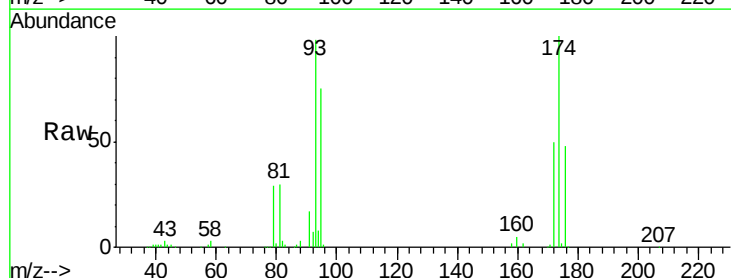
Tgt Ion: 93 Resp: 361830

Ion Ratio Lower Upper

93 100

95 76.7 64.2 96.2

174 102.5 82.1 123.1



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

200000

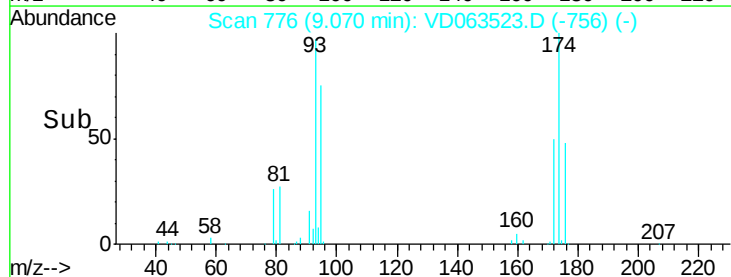
150000

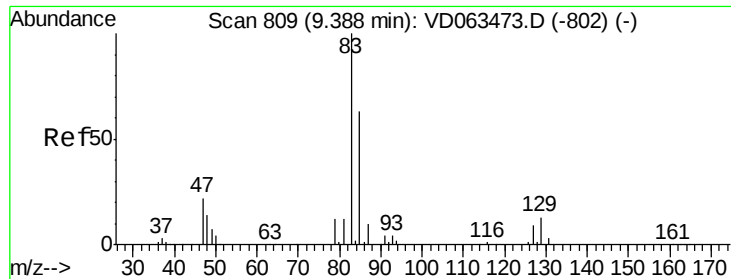
100000

50000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 50.513 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

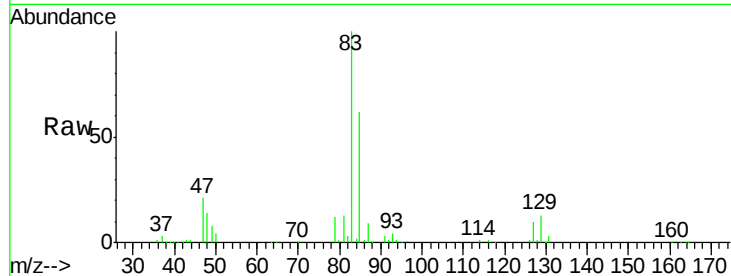
Tot Ion: 83 Resp: 914040

Ion Ratio Lower Upper

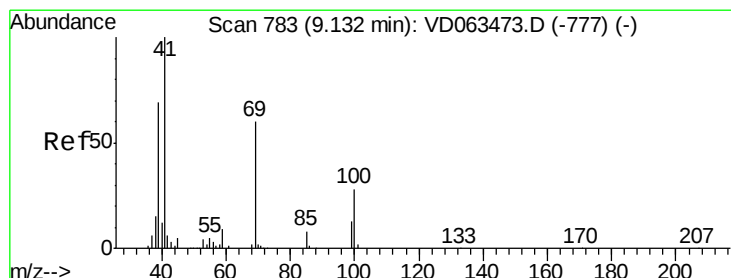
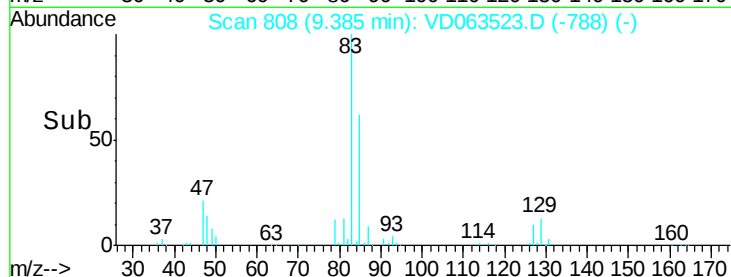
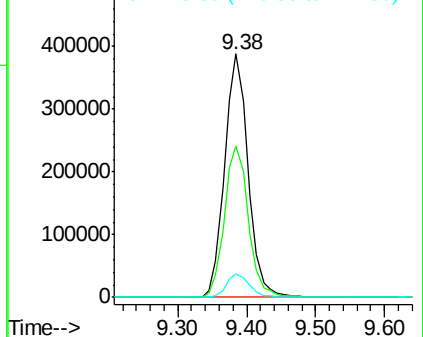
83 100

85 62.2 50.1 75.1

127 9.8 7.6 11.4



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: 52.465 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

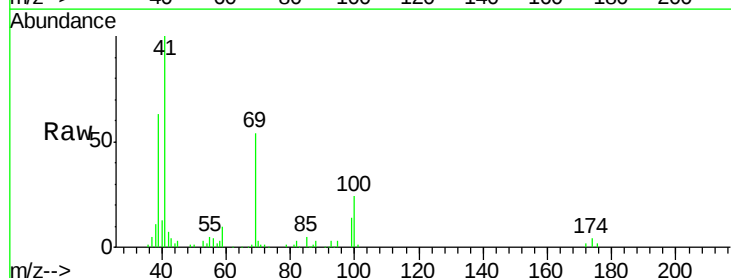
Tgt Ion: 41 Resp: 321874

Ion Ratio Lower Upper

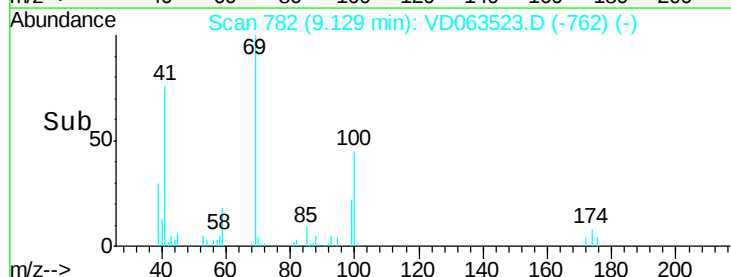
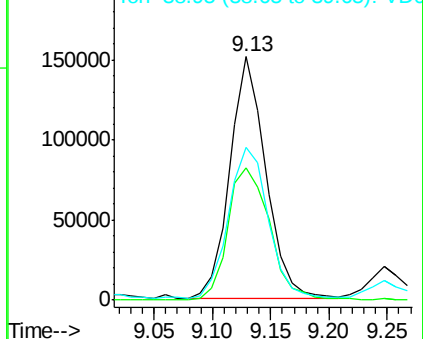
41 100

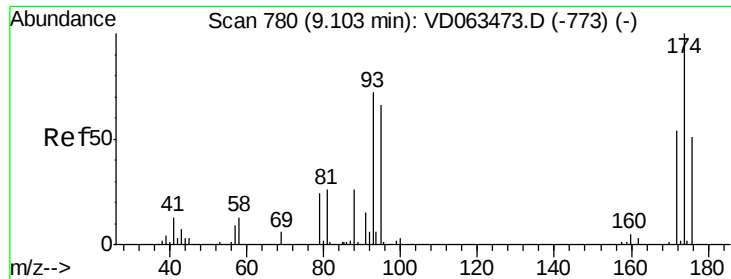
69 54.2 47.6 71.4

39 62.9 55.7 83.5



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

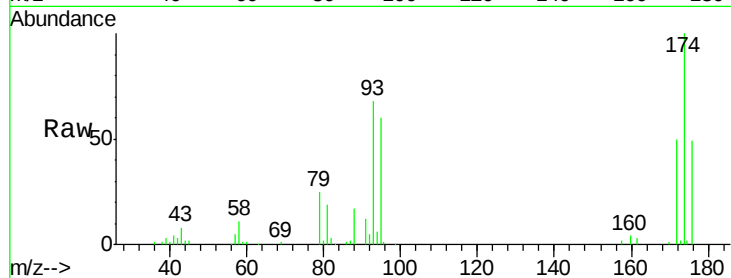




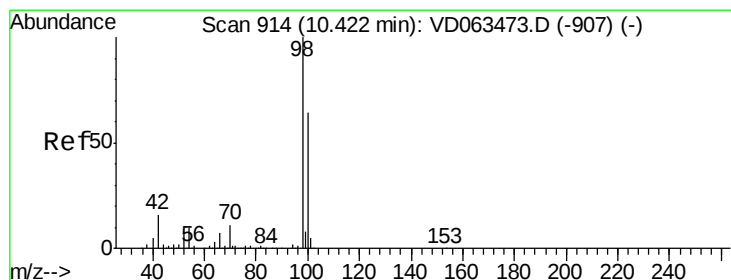
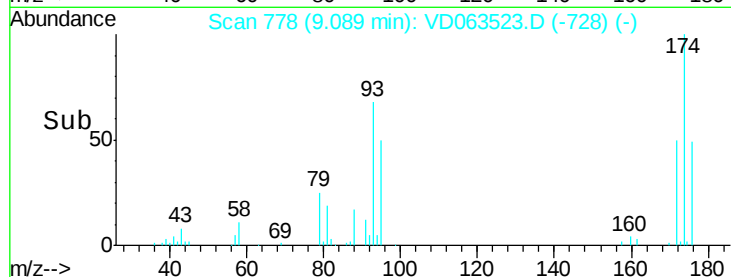
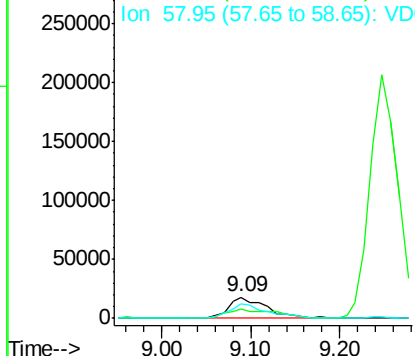
#49
1,4-Dioxane
Concen: 987.993 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 54110
Ion Ratio Lower Upper
88 100
43 46.1 22.9 34.3#
58 67.3 40.1 60.1#

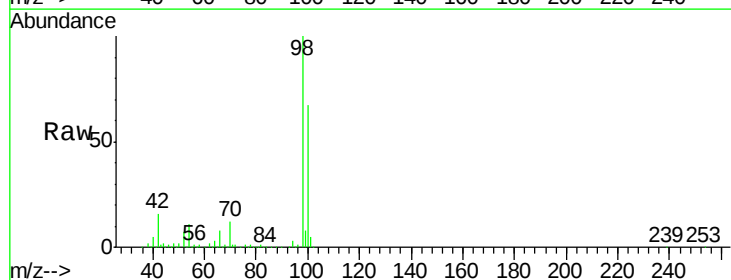


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

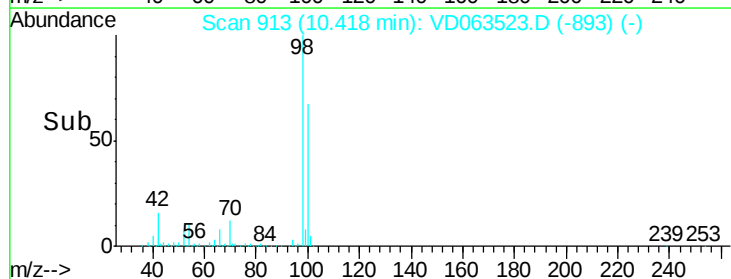
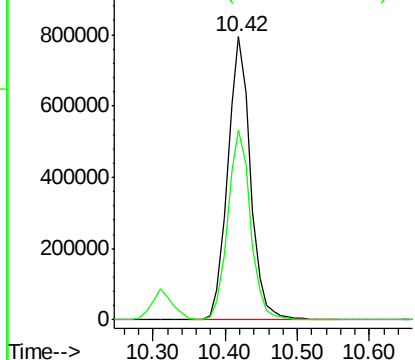


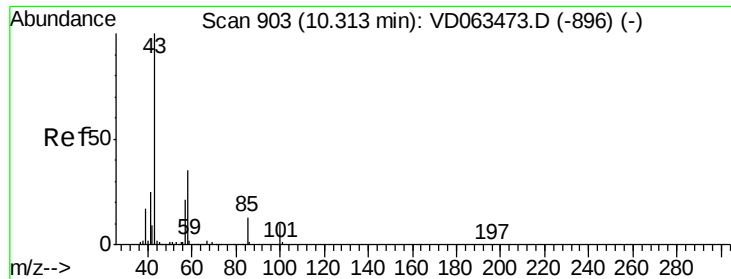
#50
Toluene-d8
Concen: 51.532 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion: 98 Resp: 1739830
Ion Ratio Lower Upper
98 100
100 66.9 51.7 77.5



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

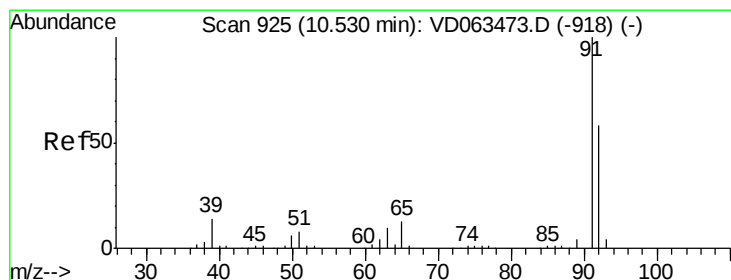
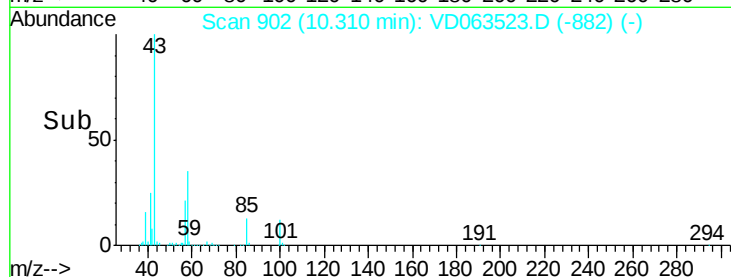
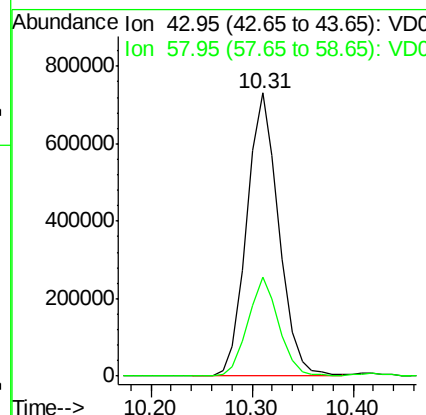
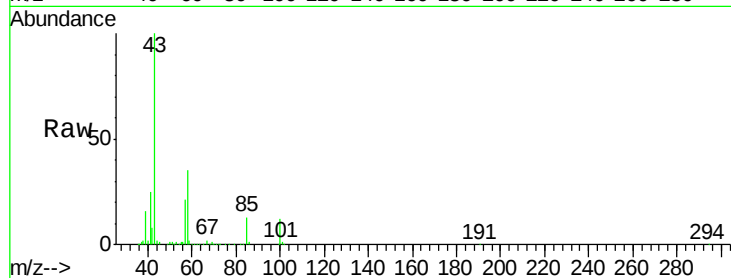




#51
 4-Methyl-2-Pentanone
 Concen: 261.236 ug/l
 RT: 10.31 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

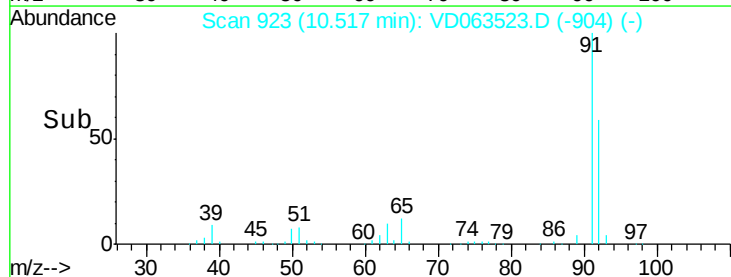
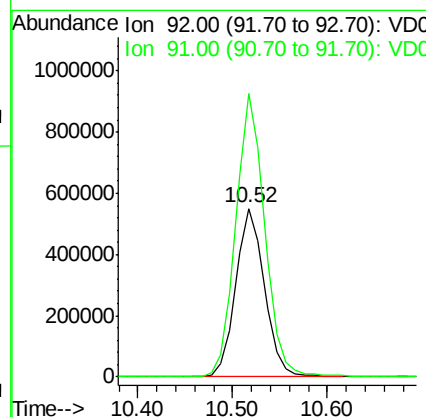
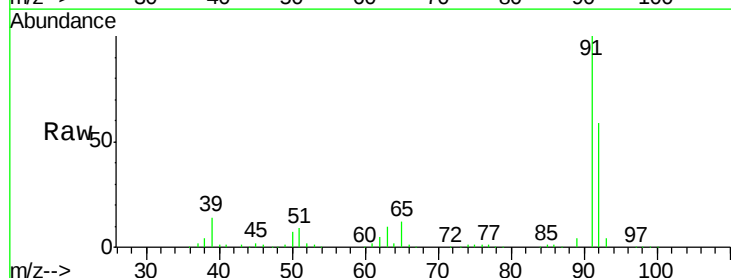
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

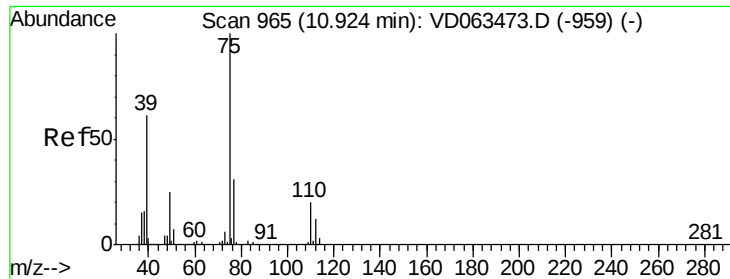
Tot Ion: 43 Resp: 1617079
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.0 42.0



#52
 Toluene
 Concen: 50.646 ug/l
 RT: 10.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

Tgt Ion: 92 Resp: 1157147
 Ion Ratio Lower Upper
 92 100
 91 168.2 137.9 206.9

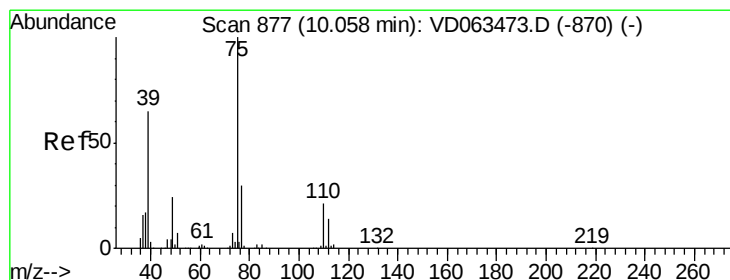
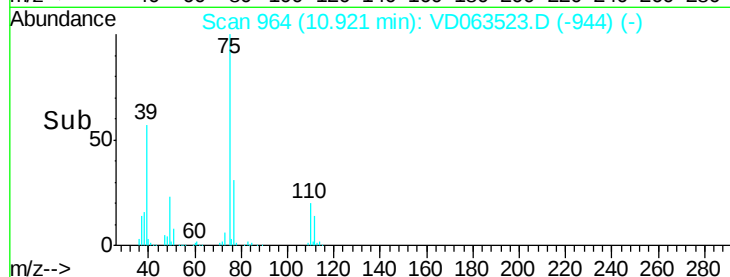
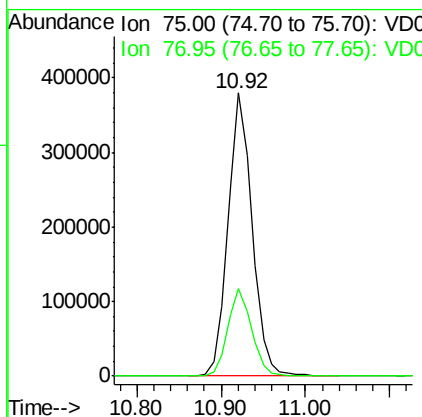
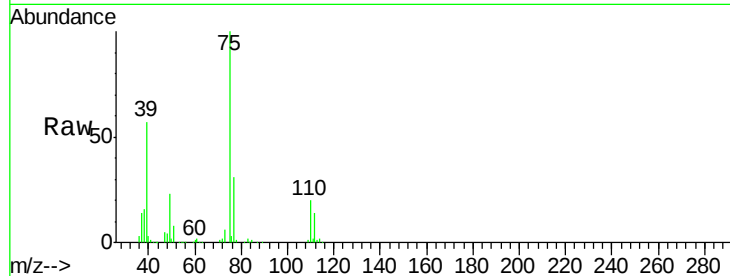




#53
 t-1,3-Dichloropropene
 Concen: 51.275 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

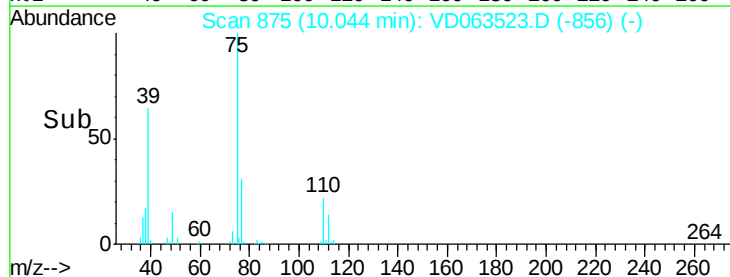
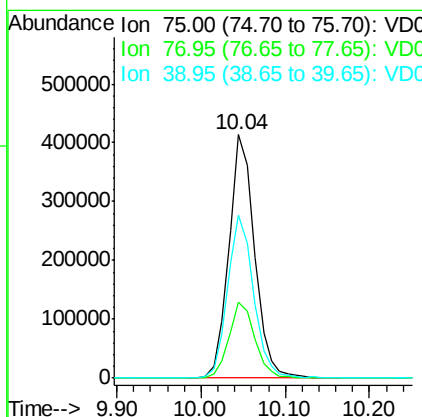
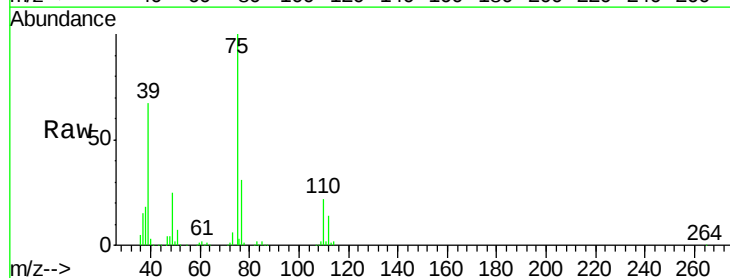
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

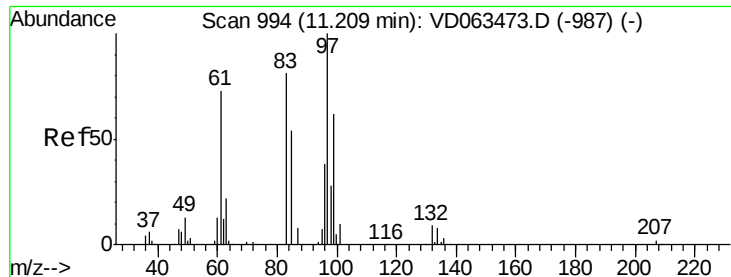
Tot Ion: 75 Resp: 757206
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 52.760 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

Tgt Ion: 75 Resp: 878540
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.7 35.5
 39 66.9 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 47.858 ug/l

RT: 11.20 min Scan# 992

Delta R.T. -0.01 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 369355

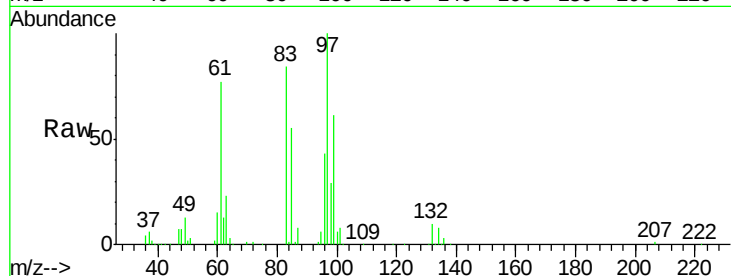
Ion Ratio Lower Upper

97 100

83 83.5 64.7 97.1

85 55.5 42.9 64.3

99 61.4 49.7 74.5

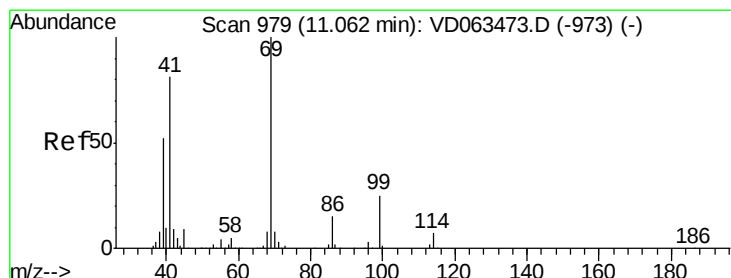
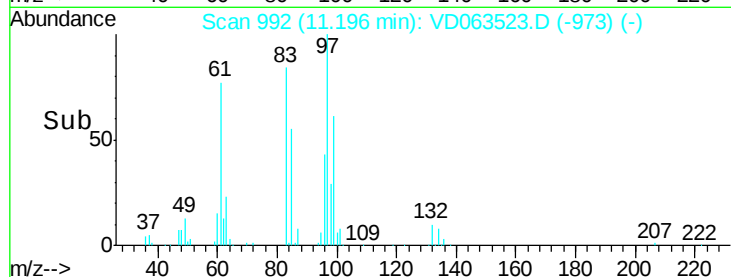
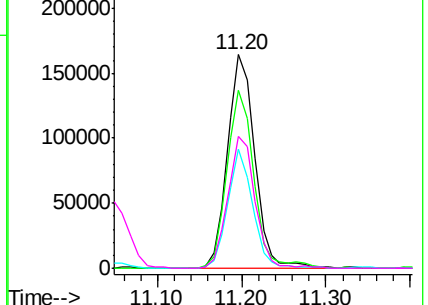


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 52.282 ug/l

RT: 11.05 min Scan# 977

Delta R.T. -0.01 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

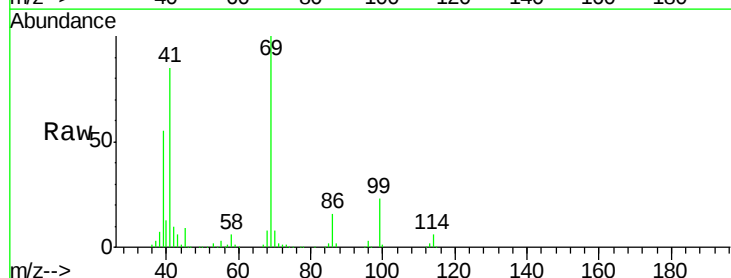
Tgt Ion: 69 Resp: 437957

Ion Ratio Lower Upper

69 100

41 84.9 64.8 97.2

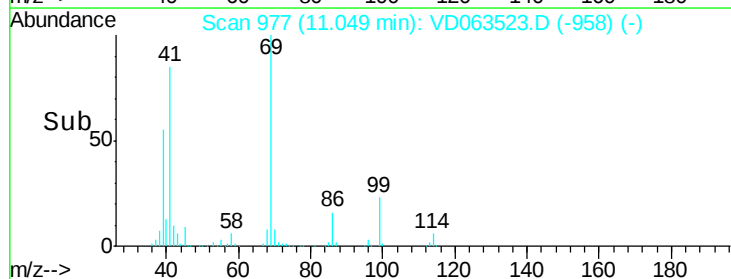
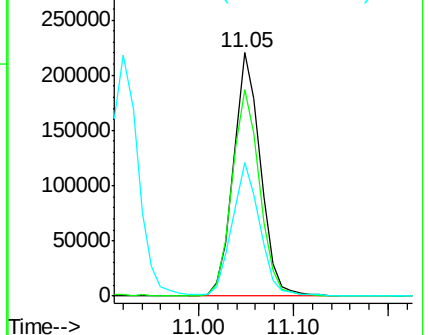
39 55.0 42.4 63.6

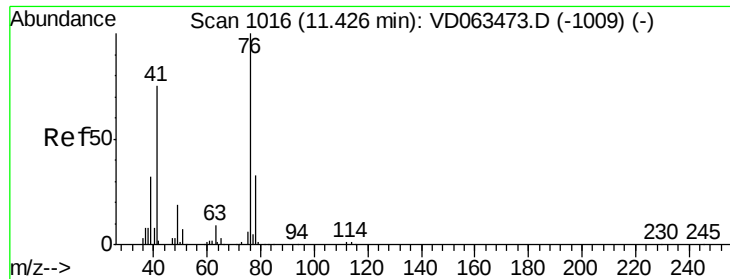


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.623 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

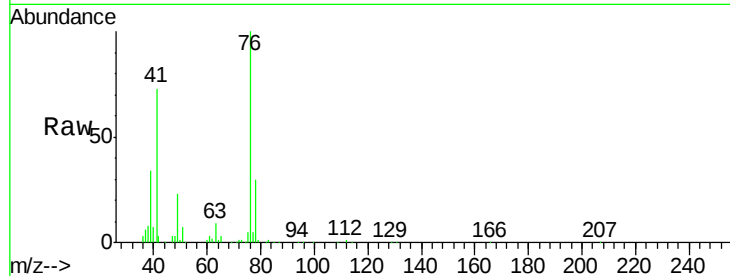
VSTDCCC050

Tot Ion: 76 Resp: 613900

Ion Ratio Lower Upper

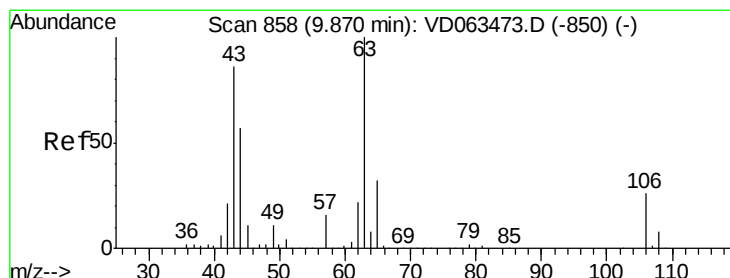
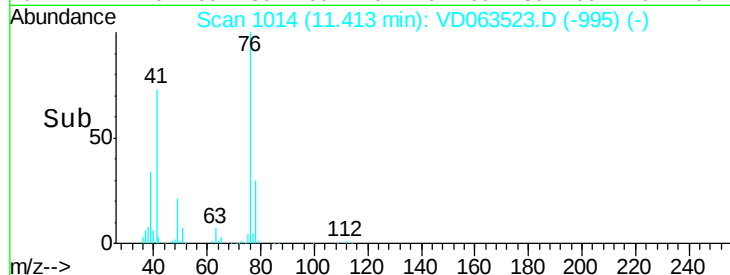
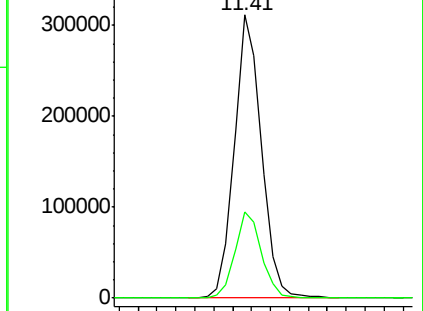
76 100

78 30.4 26.3 39.5



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: 257.459 ug/l

RT: 9.87 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD063523.D

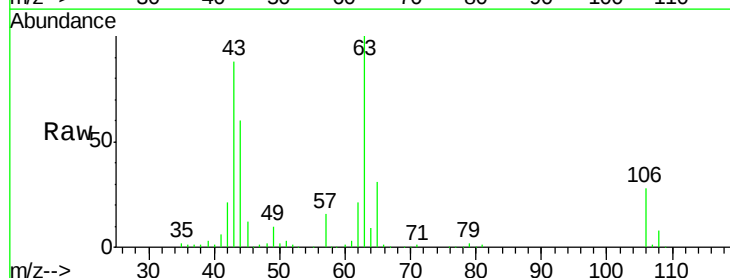
Acq: 13 Aug 2019 13:10

Tgt Ion: 63 Resp: 1138594

Ion Ratio Lower Upper

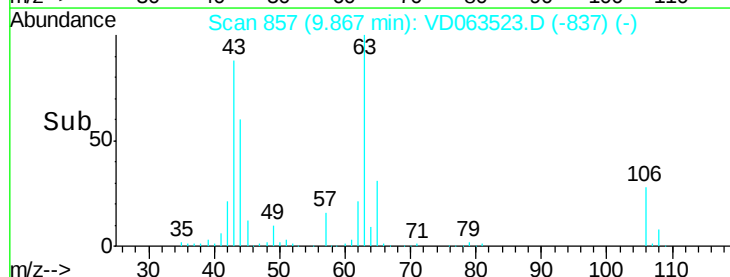
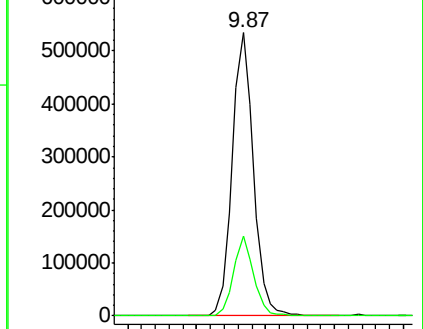
63 100

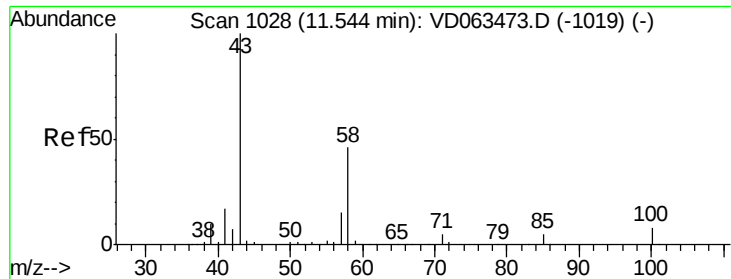
106 28.2 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

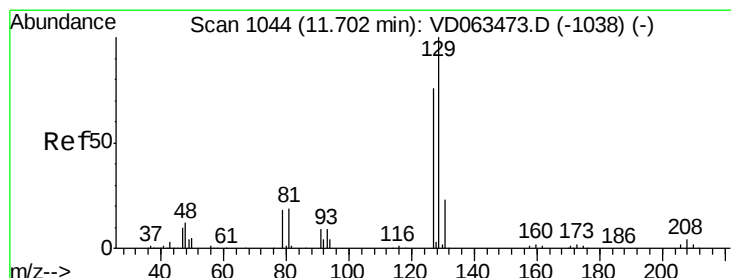
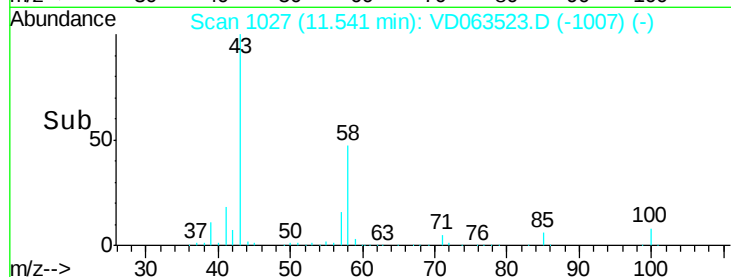
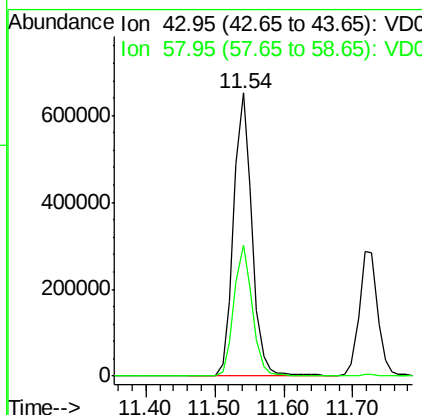
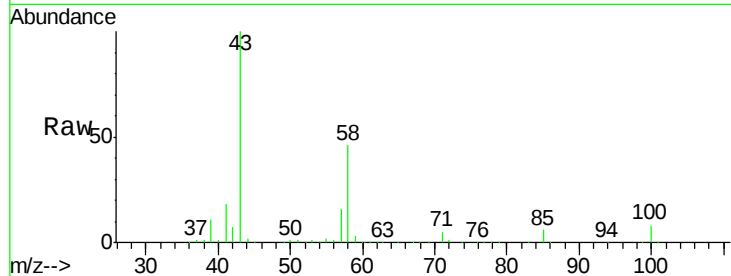




#59
2-Hexanone
Concen: 265.963 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

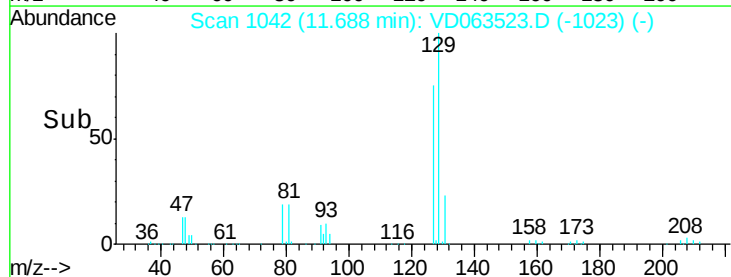
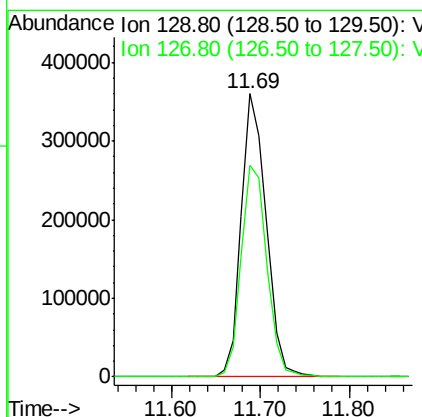
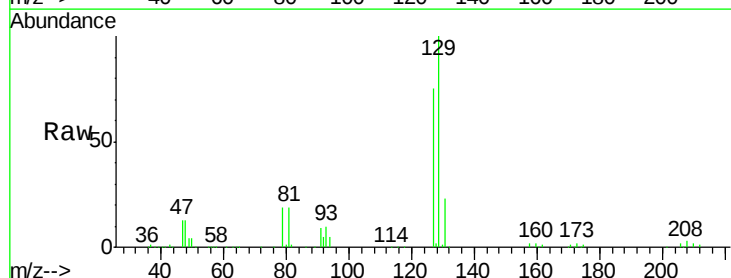
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

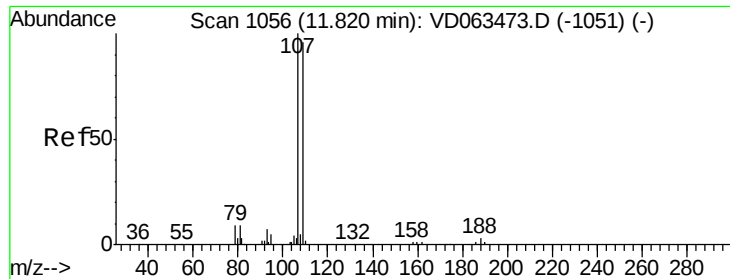
Tot Ion: 43 Resp: 1197922
Ion Ratio Lower Upper
43 100
58 46.5 23.1 69.2



#60
Dibromochloromethane
Concen: 50.003 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion: 129 Resp: 702232
Ion Ratio Lower Upper
129 100
127 74.7 37.8 113.4

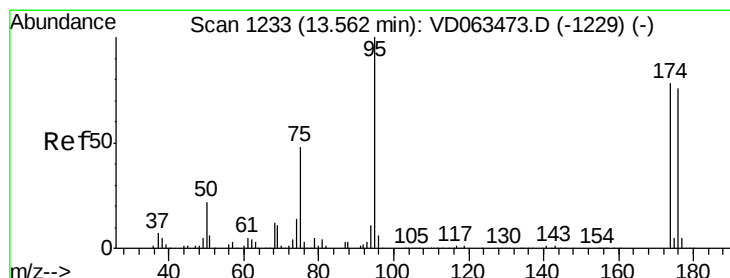
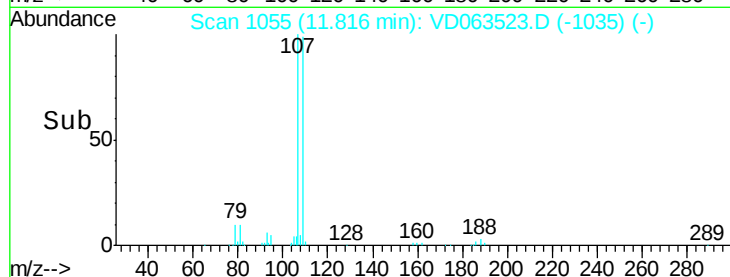
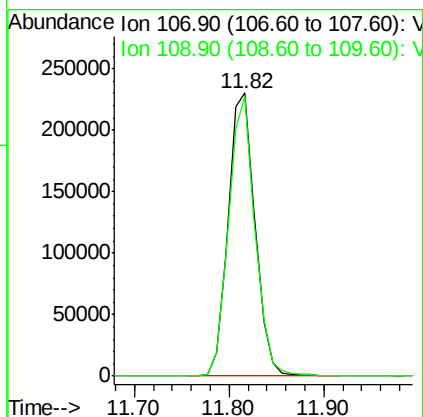
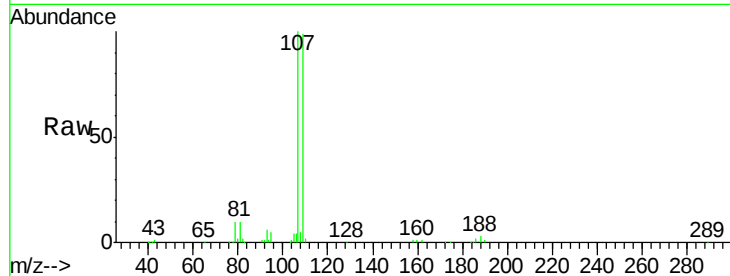




#61
 1,2-Dibromoethane
 Concen: 48.430 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

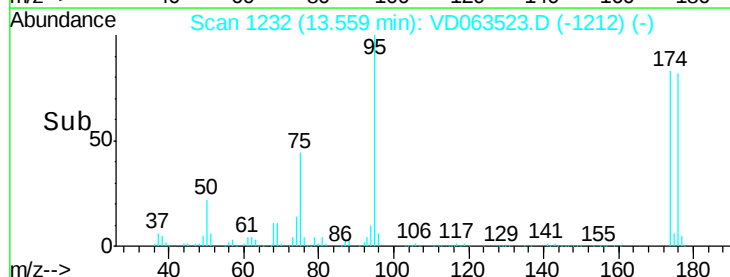
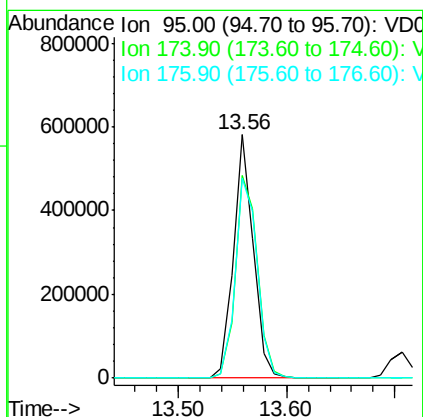
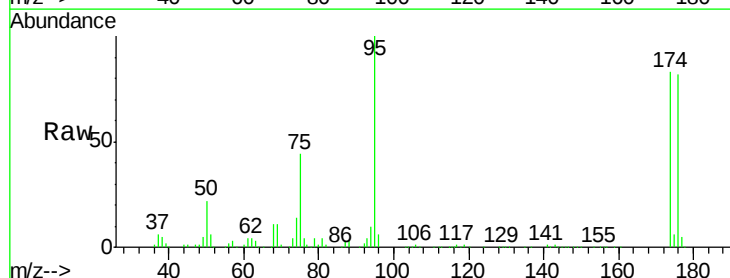
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 452488
 Ion Ratio Lower Upper
 107 100
 109 98.6 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 48.737 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

Tgt Ion: 95 Resp: 745791
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 155.4
 176 82.4 0.0 152.4

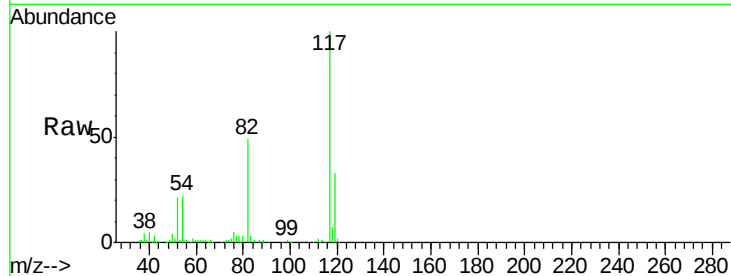




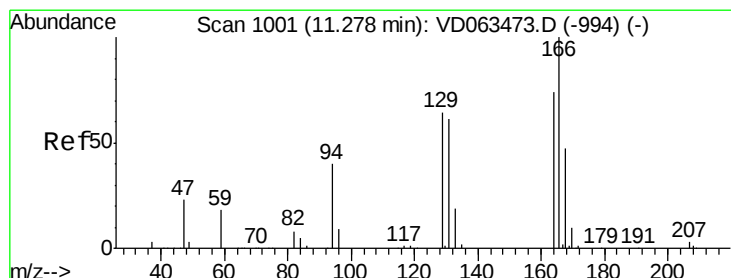
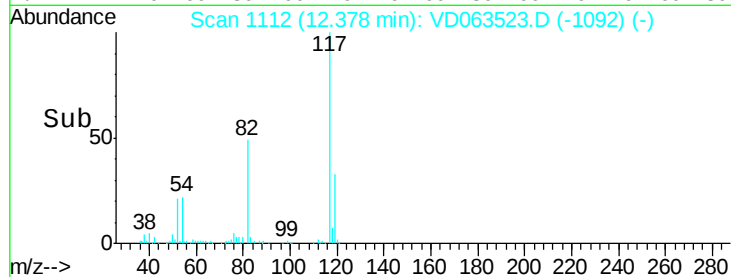
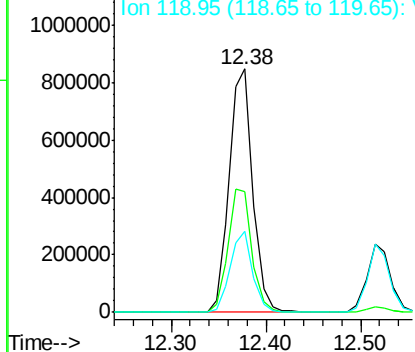
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1455901
Ion Ratio Lower Upper
117 100
82 49.4 42.0 63.0
119 33.1 25.4 38.0

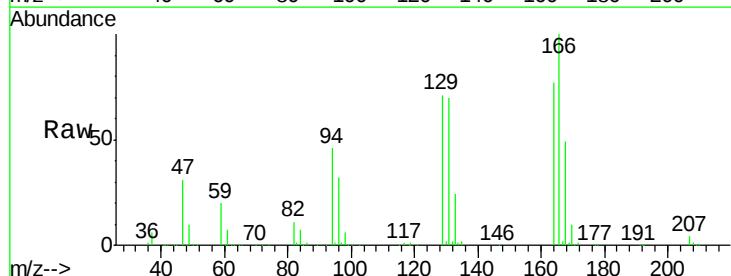


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

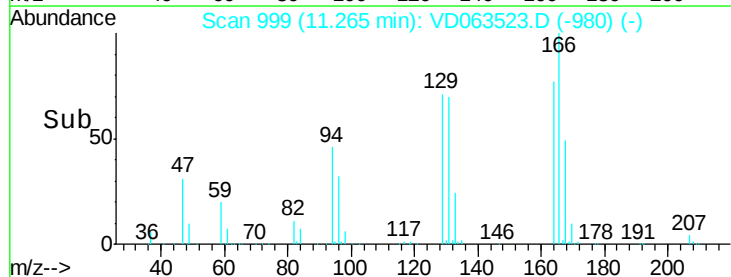
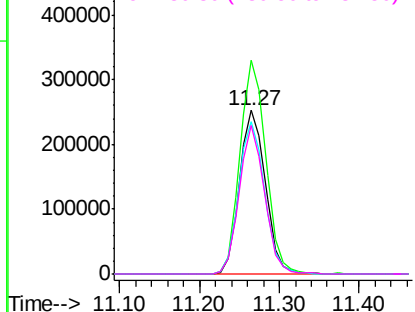


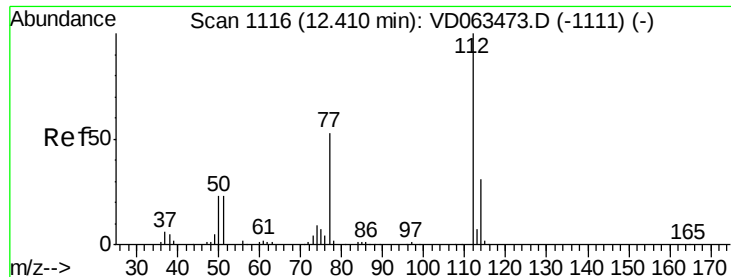
#64
Tetrachloroethene
Concen: 50.463 ug/l
RT: 11.27 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion:164 Resp: 567163
Ion Ratio Lower Upper
164 100
166 130.7 108.6 163.0
129 93.2 69.0 103.6
131 90.9 66.6 99.8



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





#65

Chlorobenzene

Concen: 51.213 ug/l

RT: 12.41 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

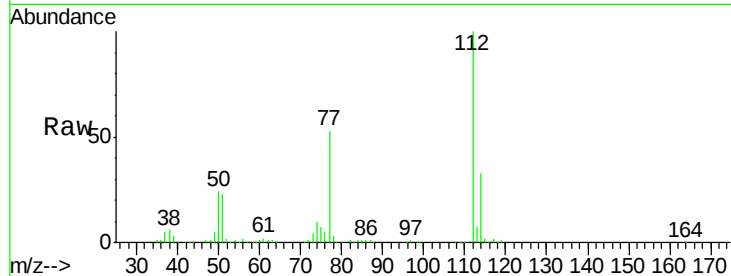
VSTDCCC050

Tot Ion:112 Resp: 1397466

Ion Ratio Lower Upper

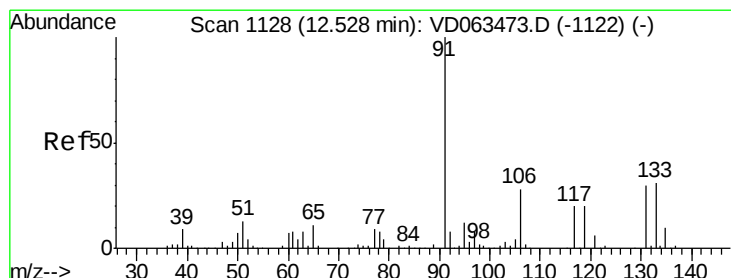
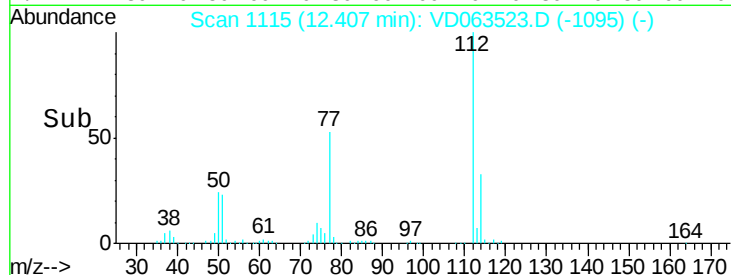
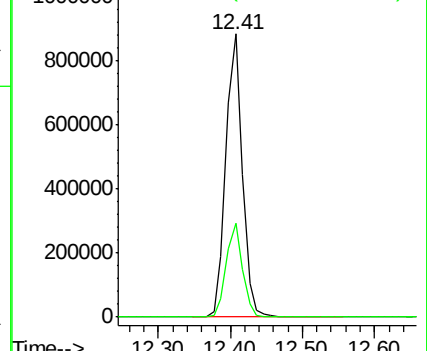
112 100

114 33.3 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.339 ug/l

RT: 12.52 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

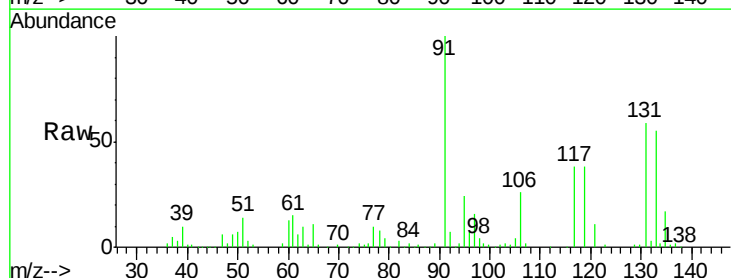
Tgt Ion:131 Resp: 628538

Ion Ratio Lower Upper

131 100

133 93.5 51.1 153.3

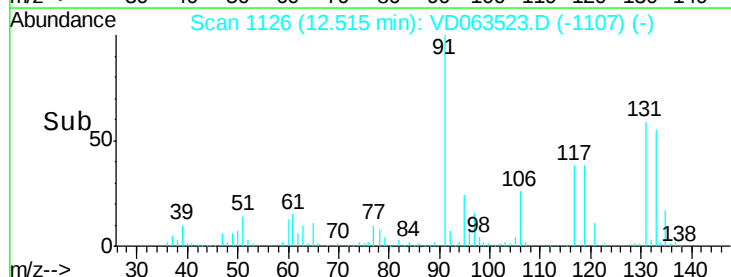
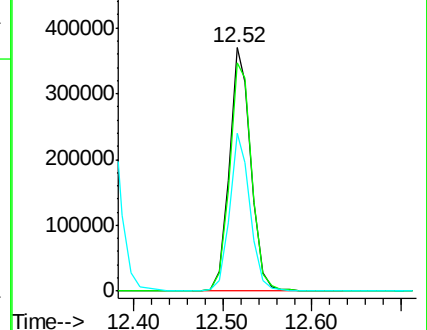
119 64.7 33.1 99.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

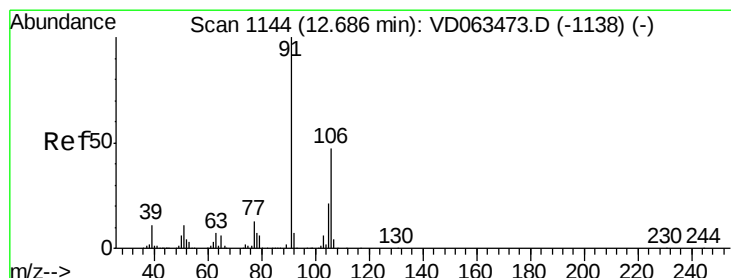
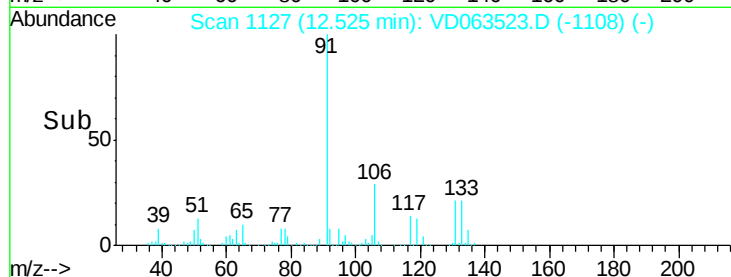
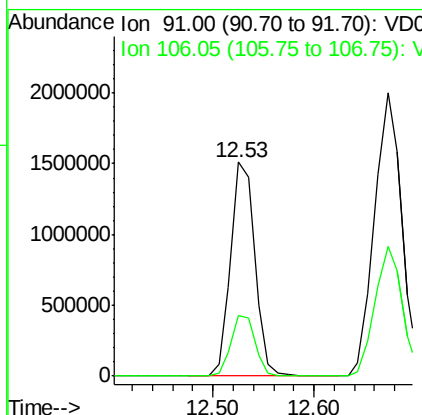
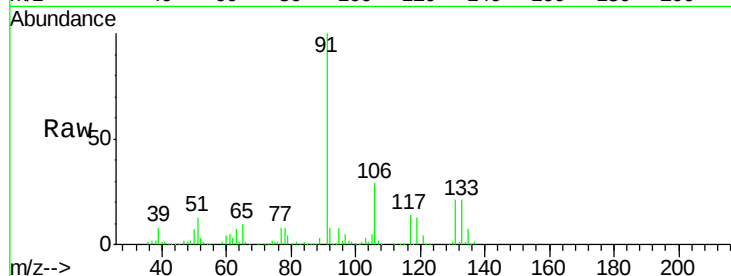




#67
Ethyl Benzene
Concen: 53.143 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

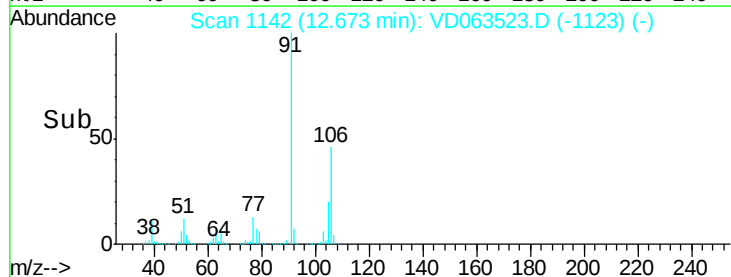
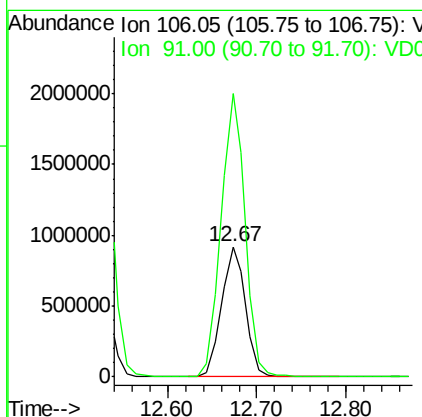
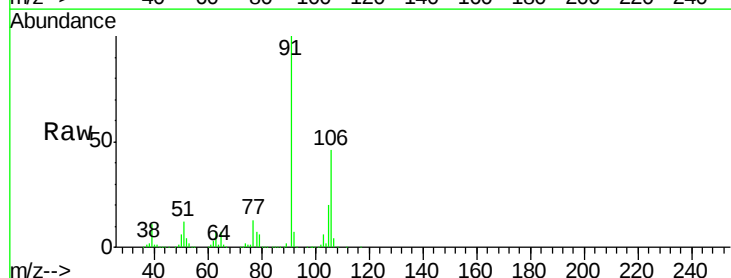
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

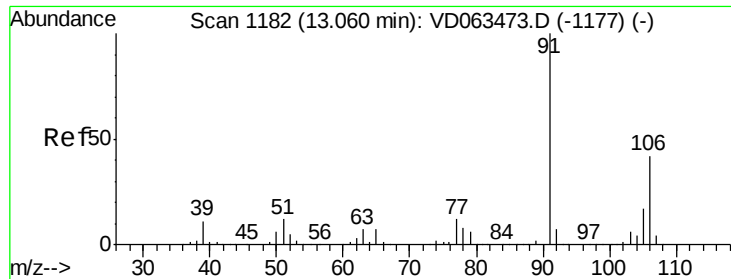
Tot Ion: 91 Resp: 2521411
Ion Ratio Lower Upper
91 100
106 28.6 23.1 34.7



#68
m/p-Xylenes
Concen: 104.386 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion: 106 Resp: 1740017
Ion Ratio Lower Upper
106 100
91 217.9 171.8 257.8

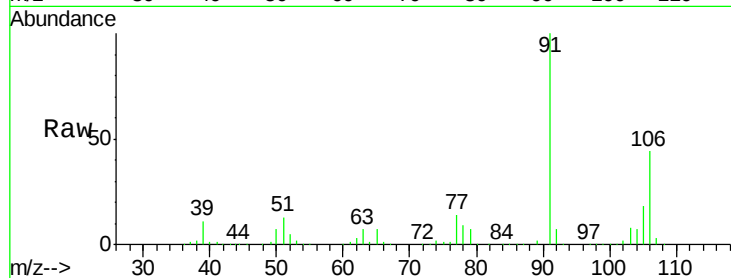




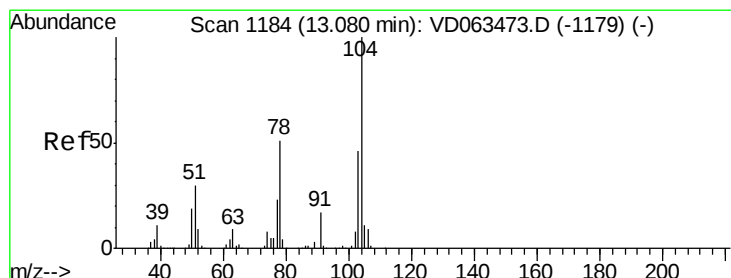
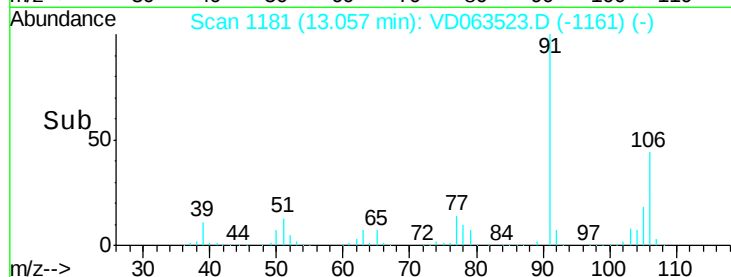
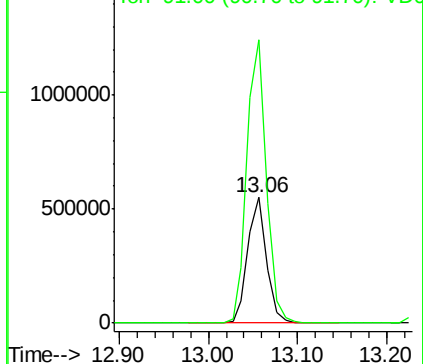
#69
o-Xylene
Concen: 49.777 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 798597
Ion Ratio Lower Upper
106 100
91 225.3 118.1 354.2

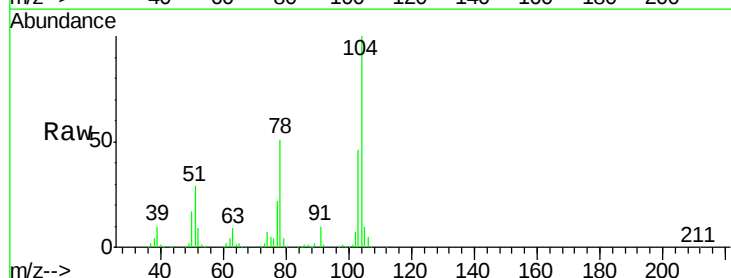


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

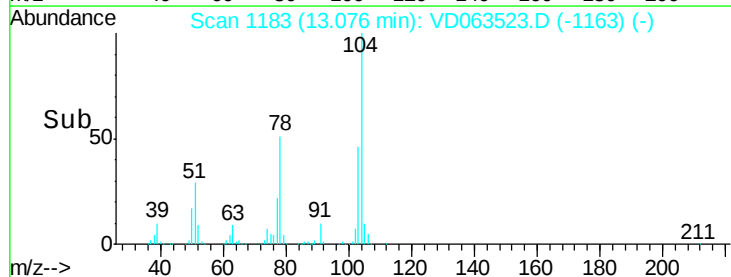
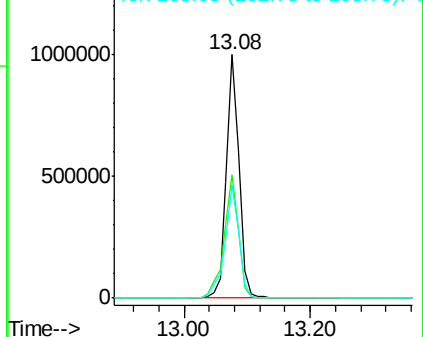


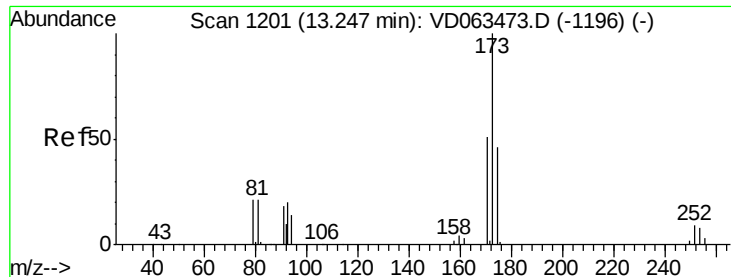
#70
Styrene
Concen: 48.783 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion:104 Resp: 1392169
Ion Ratio Lower Upper
104 100
78 50.7 40.8 61.2
103 46.4 36.4 54.6



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

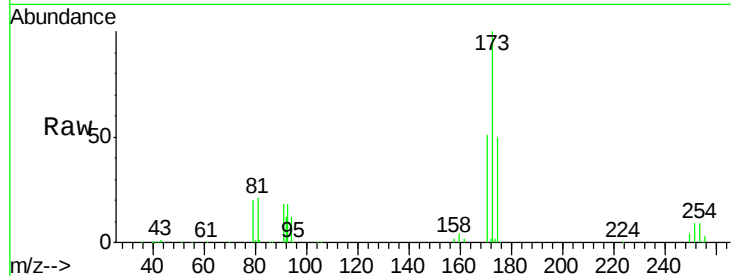




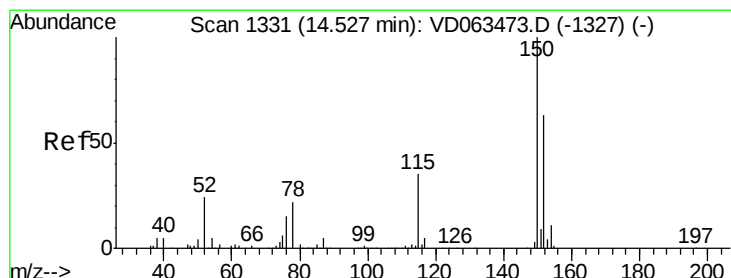
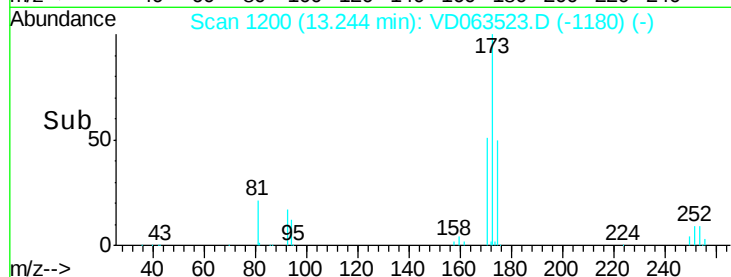
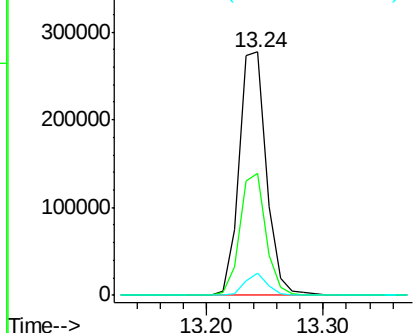
#71
Bromoform
Concen: 54.574 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 449382
Ion Ratio Lower Upper
173 100
175 50.3 22.8 68.3
254 8.9 6.6 9.8

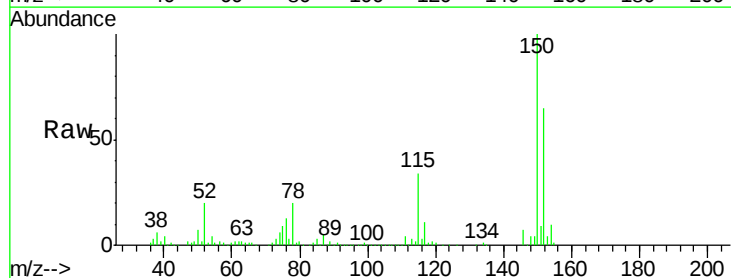


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

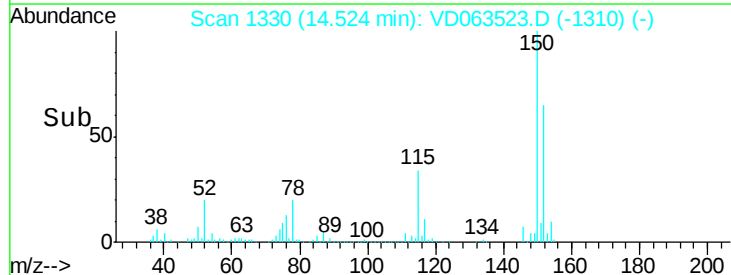
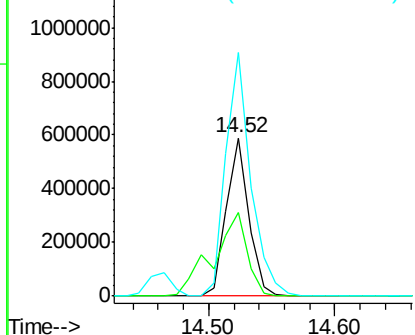


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion:152 Resp: 719363
Ion Ratio Lower Upper
152 100
115 52.9 30.9 92.7
150 154.1 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.721 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

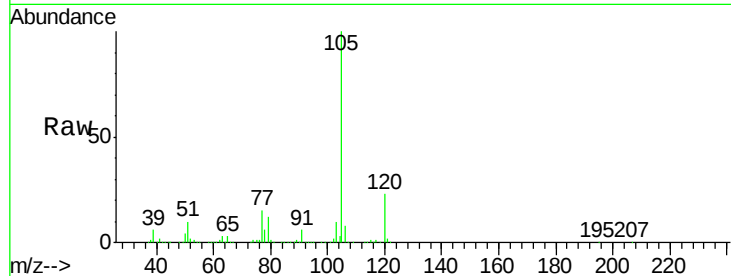
VSTDCCC050

Tot Ion:105 Resp: 2503783

Ion Ratio Lower Upper

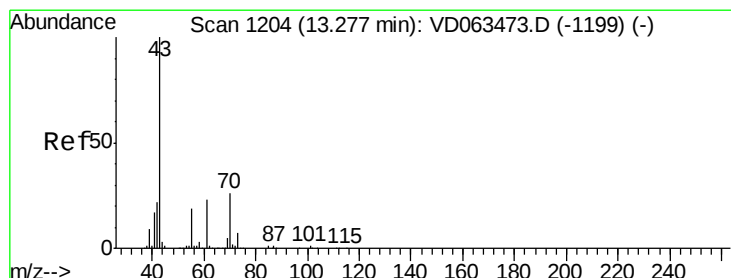
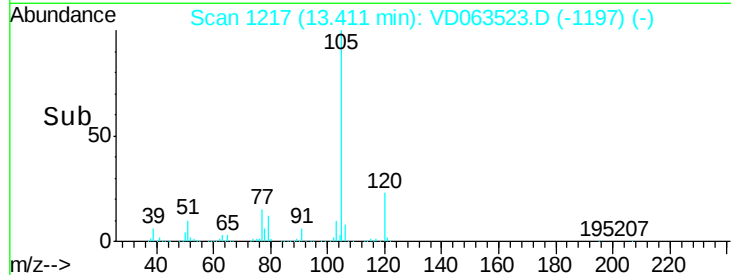
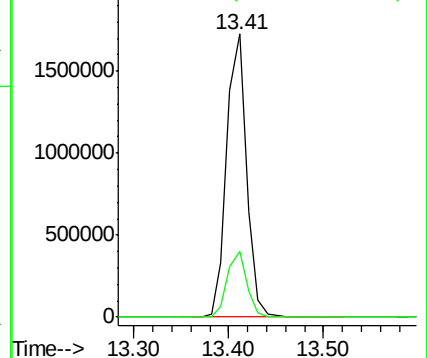
105 100

120 23.0 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 57.331 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Tgt Ion: 43 Resp: 658506

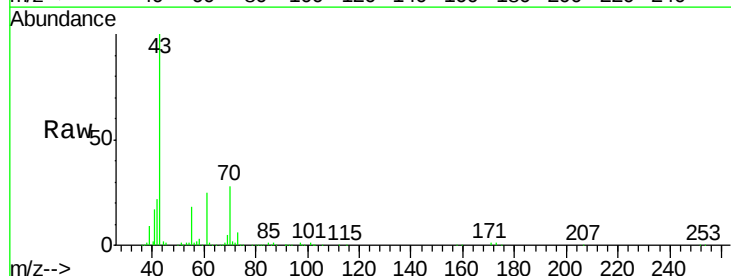
Ion Ratio Lower Upper

43 100

70 28.5 21.1 31.7

55 18.2 15.4 23.0

61 25.0 18.2 27.2

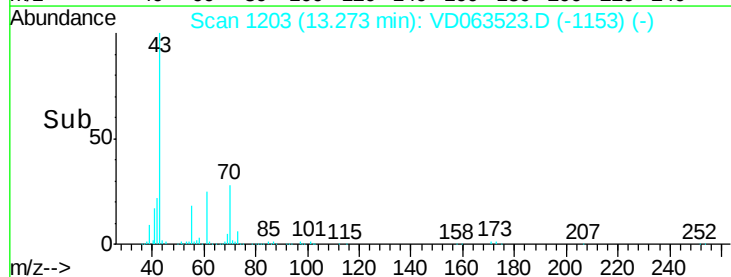
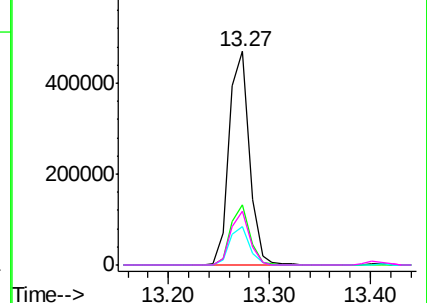


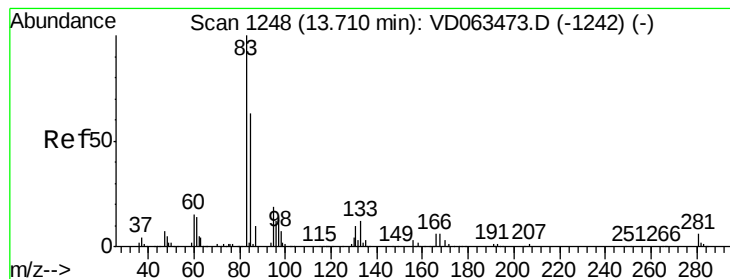
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.333 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

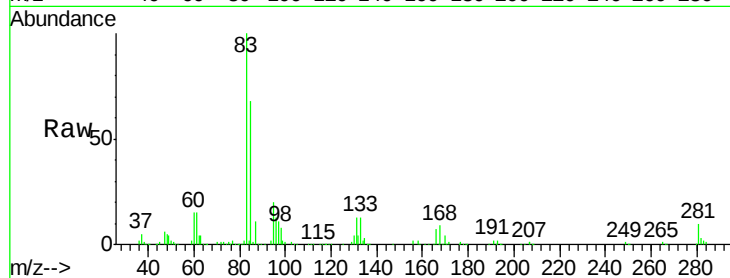
Tot Ion: 83 Resp: 427827

Ion	Ratio	Lower	Upper
83	100		
131	12.6	5.3	15.8
85	68.4	31.4	94.3

83 100

131 12.6 5.3 15.8

85 68.4 31.4 94.3



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

13.71

300000

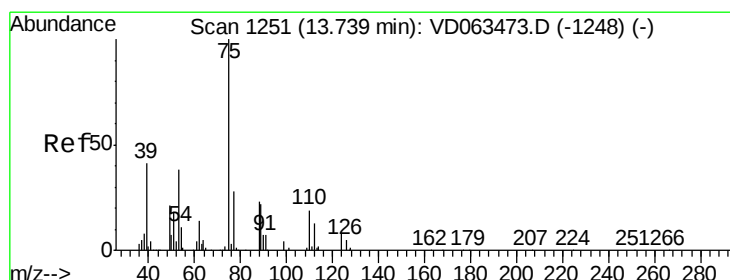
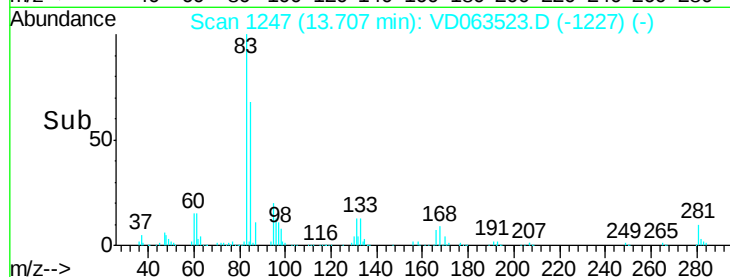
200000

100000

0

Time-->

13.60 13.70 13.80



#76

1,2,3-Trichloropropane

Concen: 53.282 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063523.D

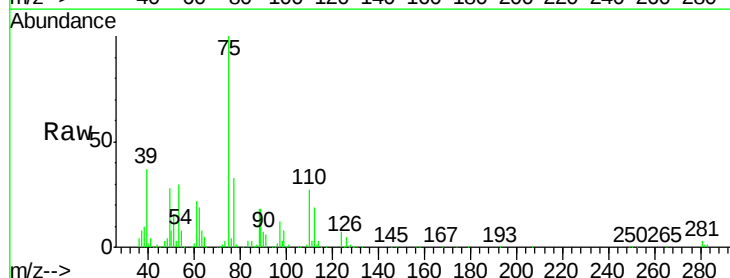
Acq: 13 Aug 2019 13:10

Tgt Ion: 75 Resp: 439891

Ion	Ratio	Lower	Upper
75	100		
77	32.6	15.1	45.3

75 100

77 32.6 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

600000

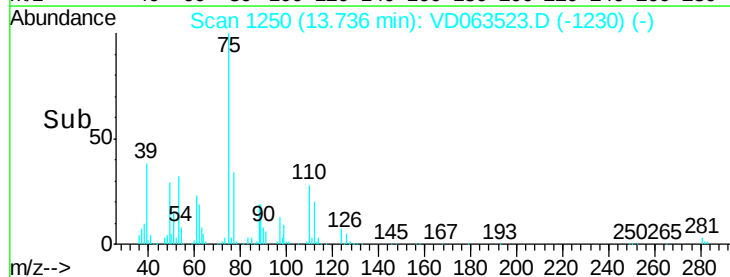
400000

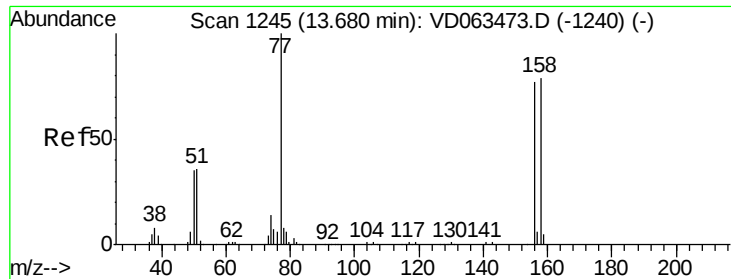
200000

0

Time-->

13.65 13.70 13.75 13.80





#77

Bromobenzene

Concen: 54.602 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

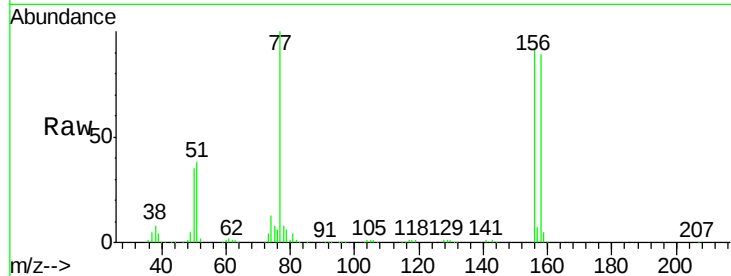
Tot Ion:156 Resp: 682800

Ion Ratio Lower Upper

156 100

77 108.2 64.6 193.8

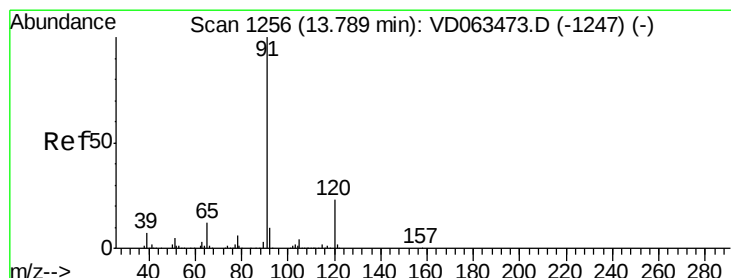
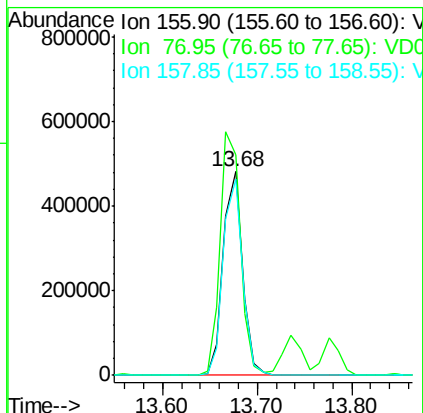
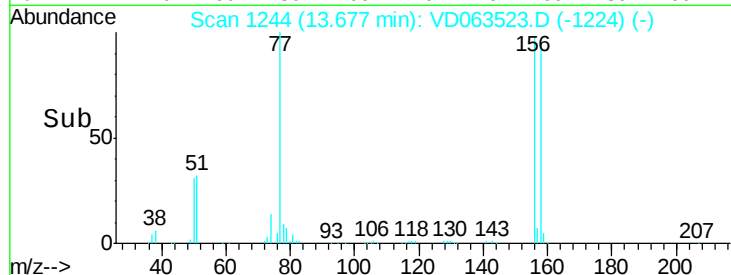
158 96.2 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.624 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063523.D

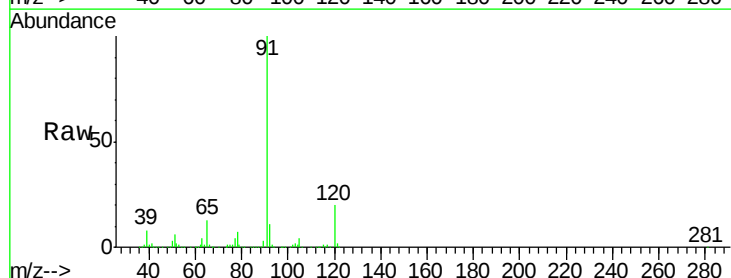
Acq: 13 Aug 2019 13:10

Tgt Ion: 91 Resp: 2870765

Ion Ratio Lower Upper

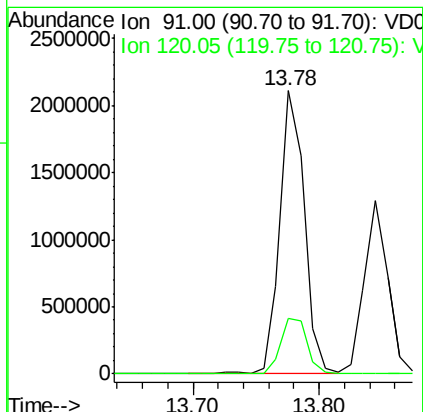
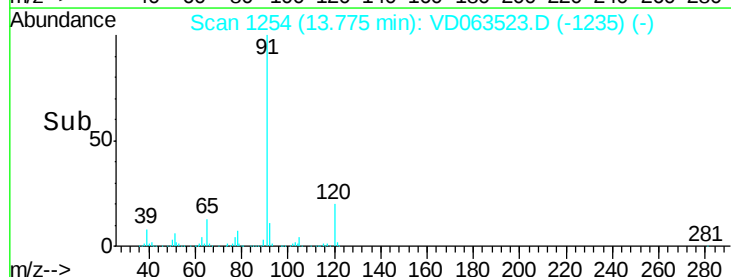
91 100

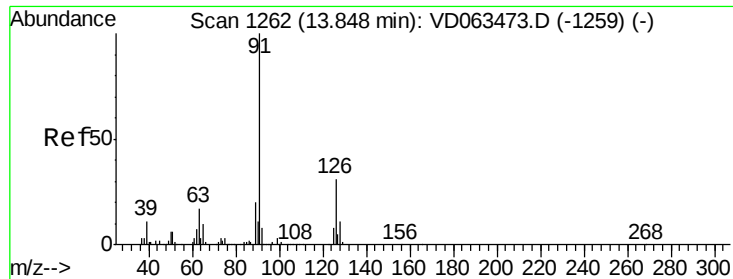
120 19.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

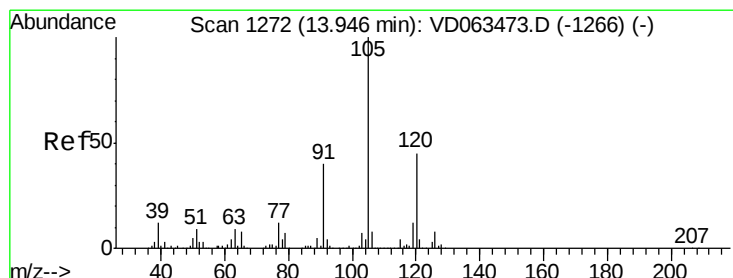
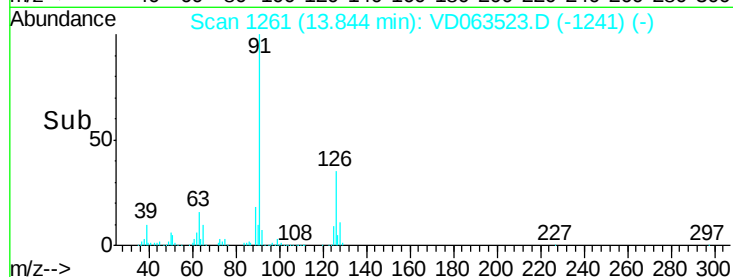
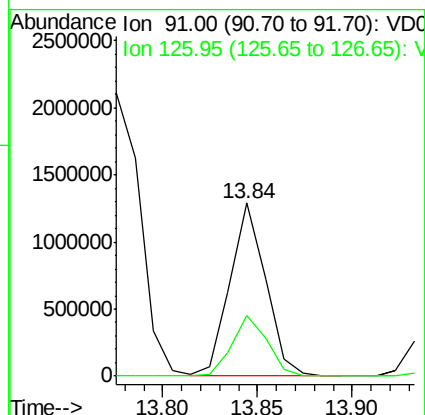
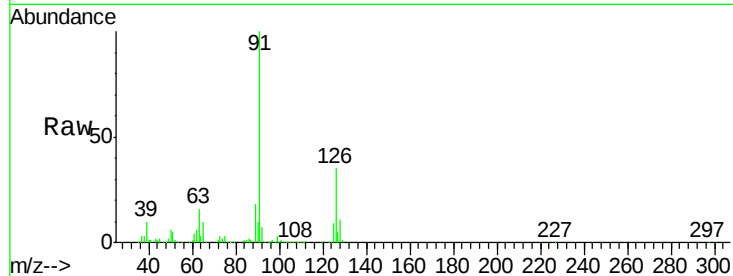




#79
 2-Chlorotoluene
 Concen: 54.593 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

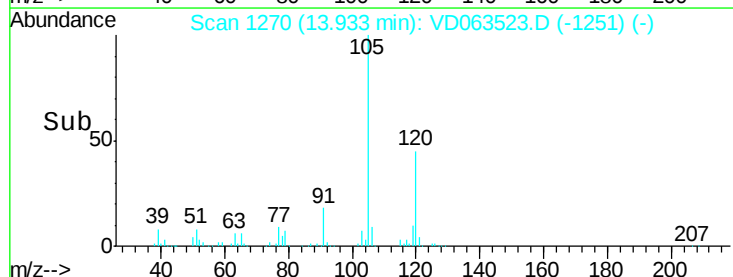
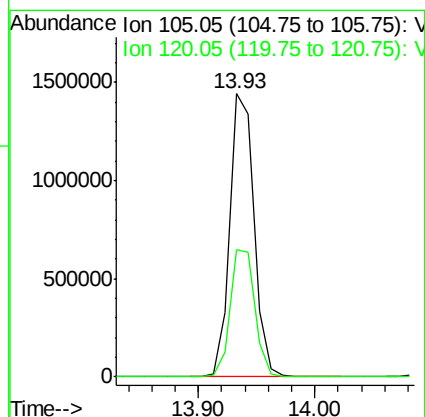
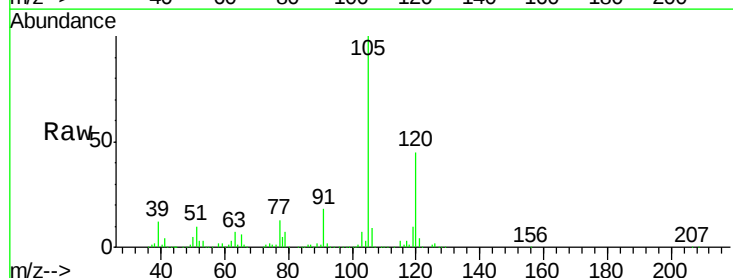
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

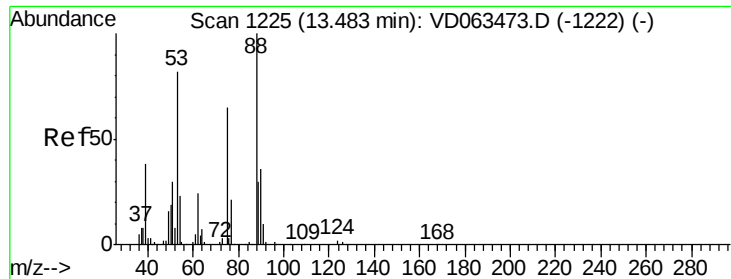
Tot Ion: 91 Resp: 1685152
 Ion Ratio Lower Upper
 91 100
 126 35.0 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 51.742 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

Tgt Ion:105 Resp: 2068556
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.8 68.3

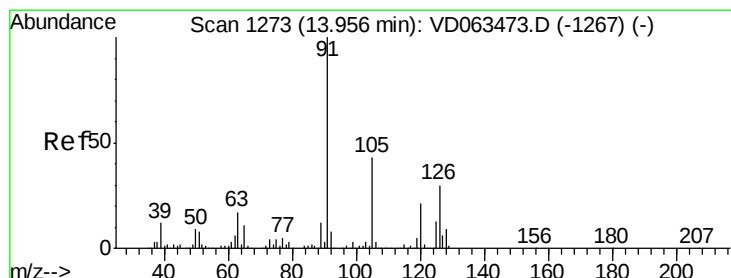
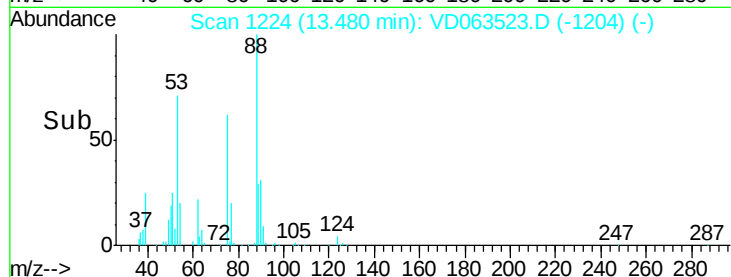
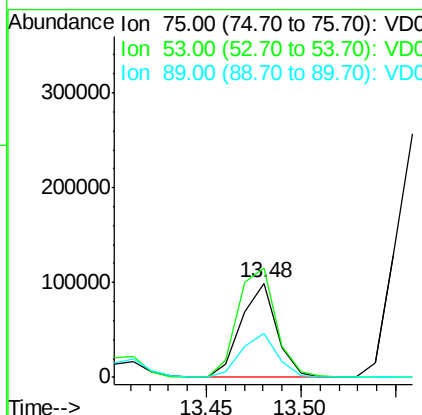
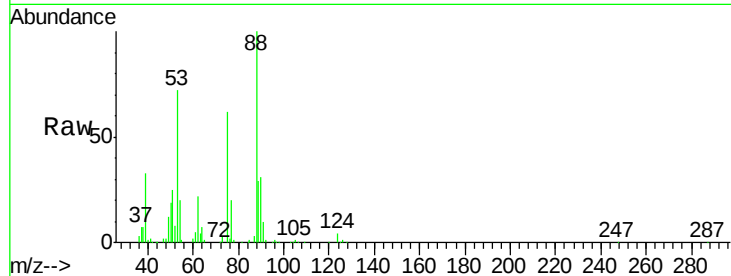




#81
trans-1,4-Dichloro-2-butene
Concen: 58.638 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

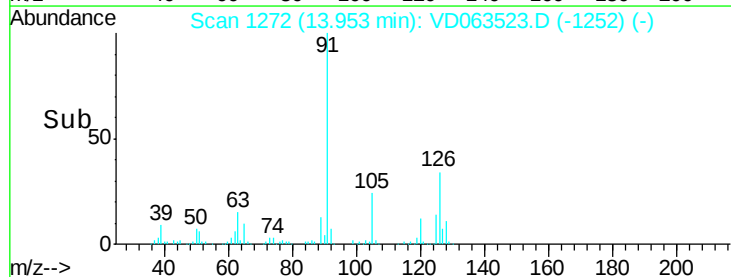
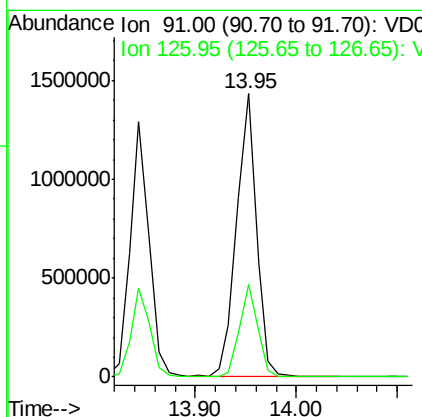
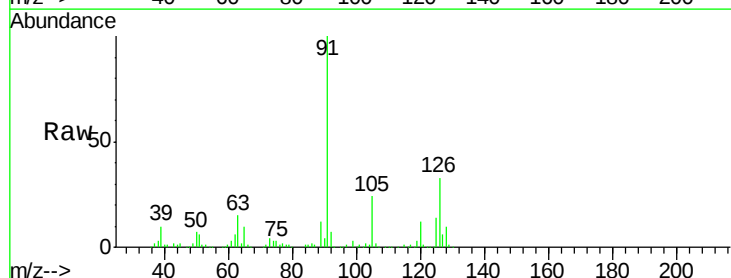
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

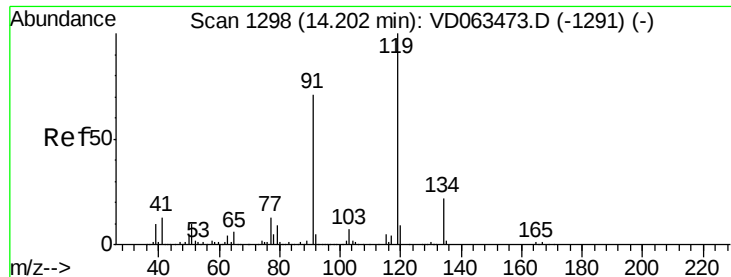
Tot Ion: 75 Resp: 130115
Ion Ratio Lower Upper
75 100
53 116.1 101.0 151.4
89 46.4 37.0 55.6



#82
4-Chlorotoluene
Concen: 52.996 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion: 91 Resp: 1967121
Ion Ratio Lower Upper
91 100
126 32.7 15.2 45.6





#83

tert-Butylbenzene

Concen: 54.595 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

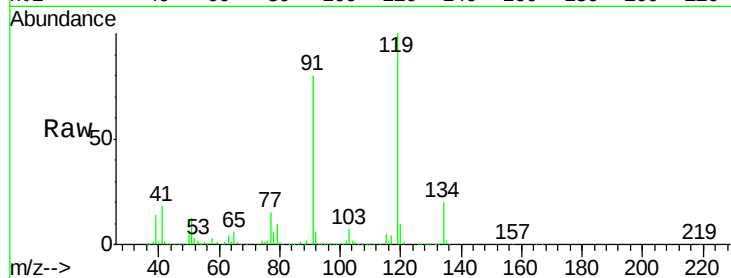
Tot Ion:119 Resp: 2298369

Ion Ratio Lower Upper

119 100

91 79.6 35.5 106.7

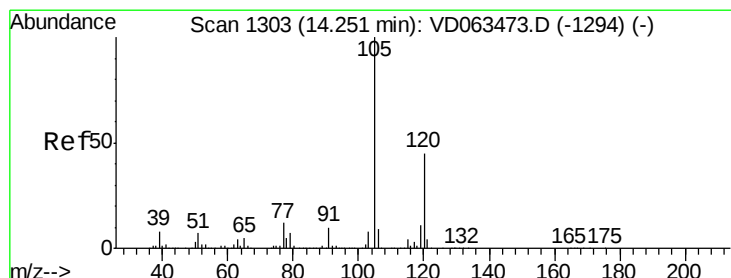
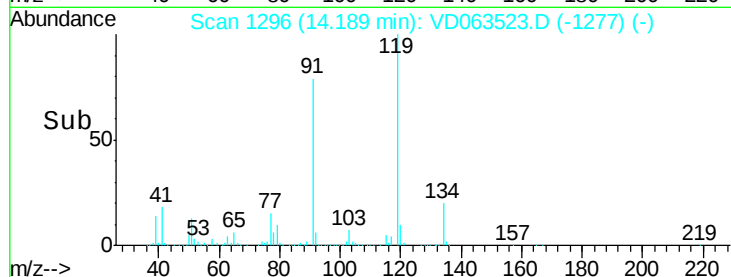
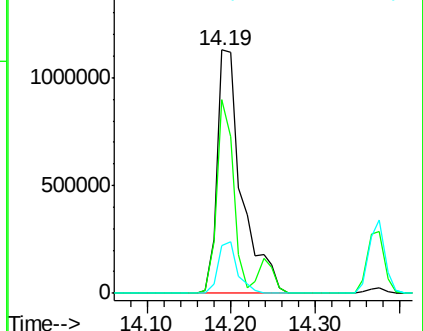
134 19.5 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.844 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD063523.D

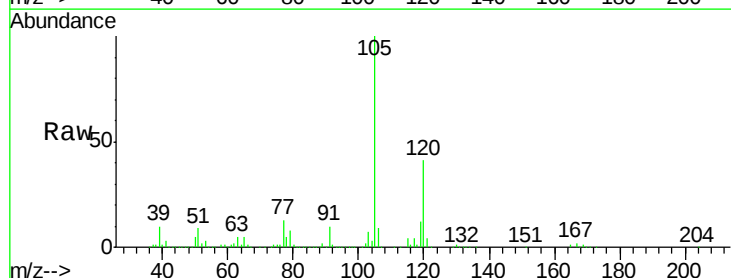
Acq: 13 Aug 2019 13:10

Tgt Ion:105 Resp: 2065690

Ion Ratio Lower Upper

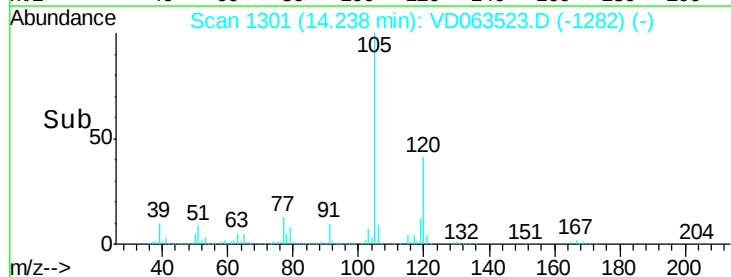
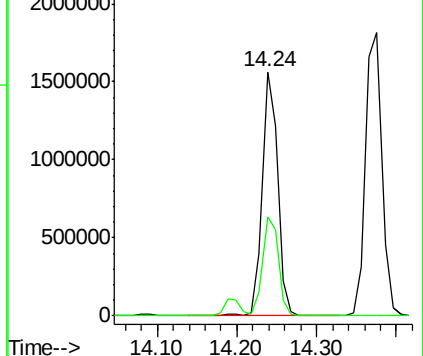
105 100

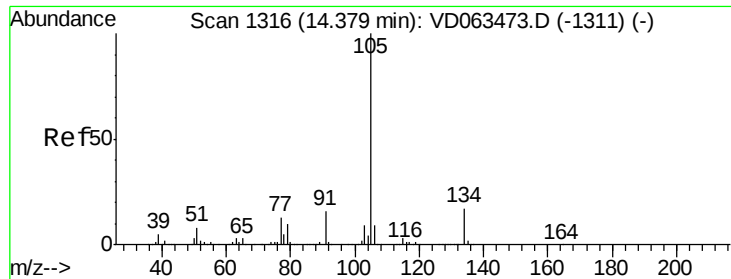
120 40.8 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

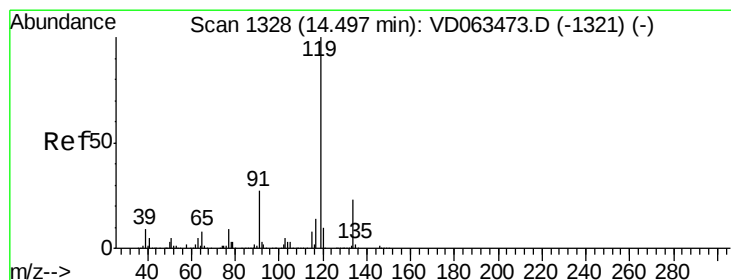
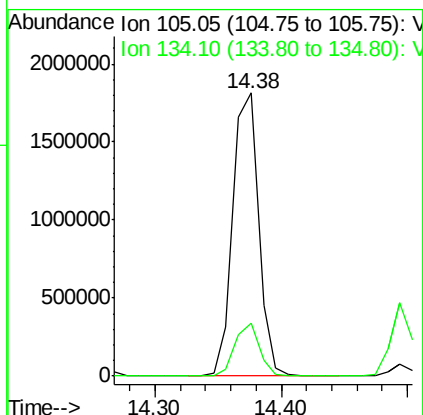
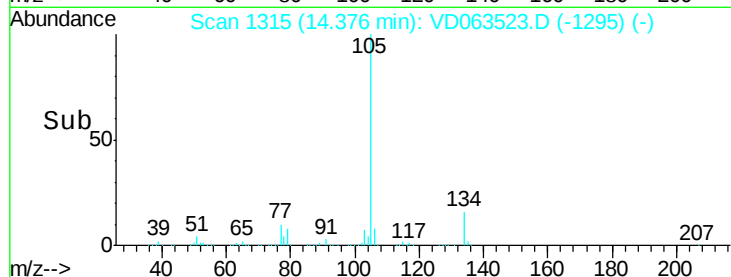
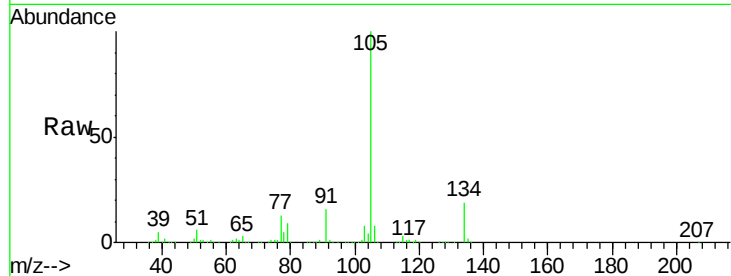




#85
 sec-Butylbenzene
 Concen: 57.083 ug/l
 RT: 14.38 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

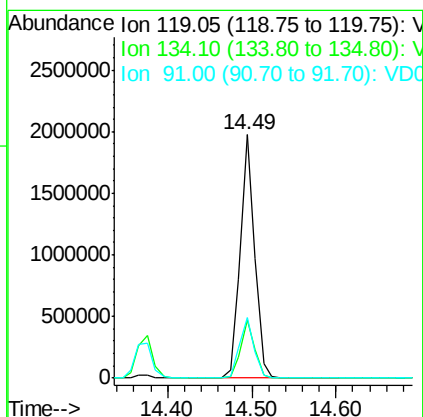
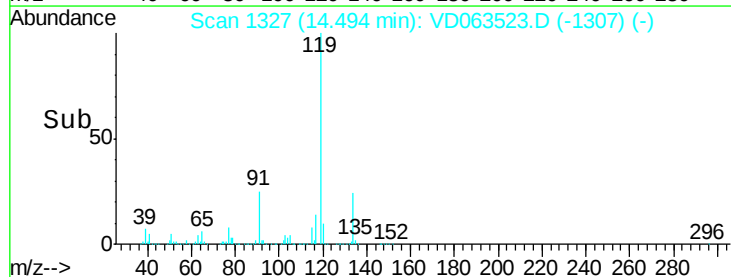
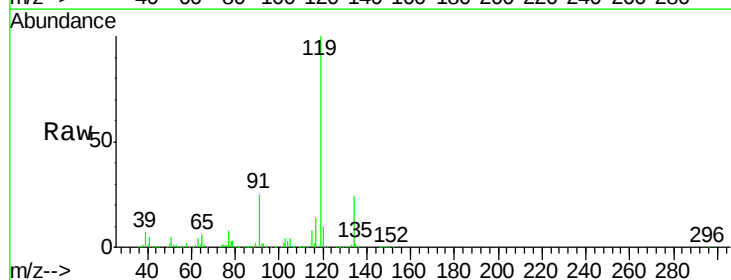
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

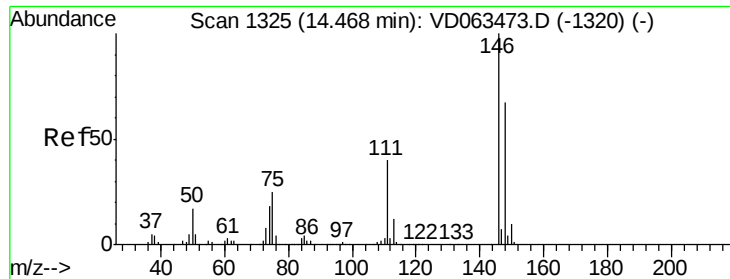
Tot Ion:105 Resp: 2552072
 Ion Ratio Lower Upper
 105 100
 134 18.8 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 54.732 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

Tgt Ion:119 Resp: 2339640
 Ion Ratio Lower Upper
 119 100
 134 23.9 11.3 33.8
 91 24.9 13.5 40.4

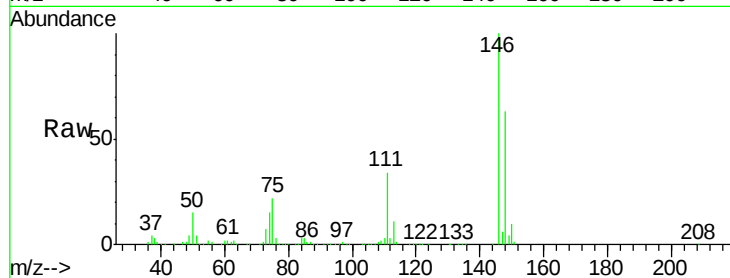




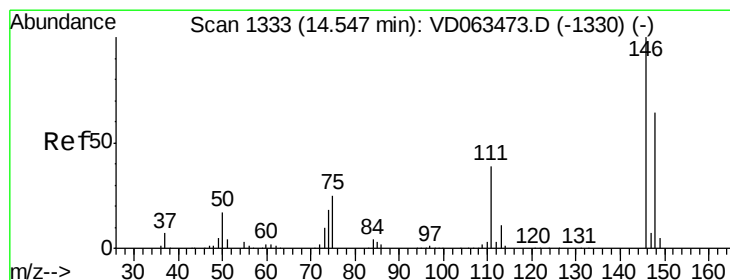
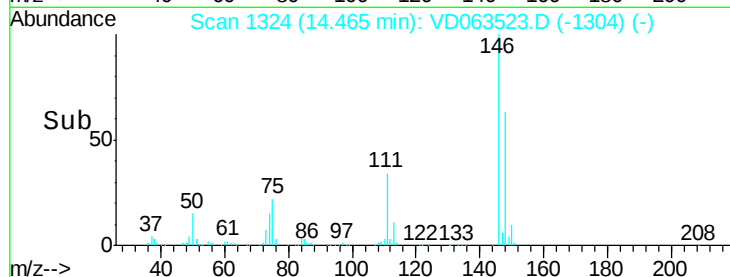
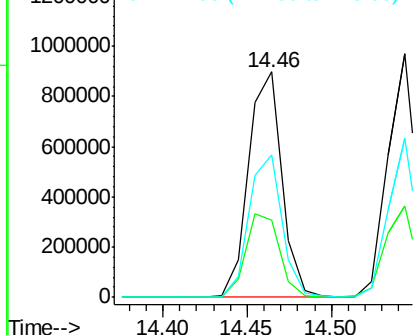
#87
 1,3-Dichlorobenzene
 Concen: 54.628 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1235653
 Ion Ratio Lower Upper
 146 100
 111 34.3 20.0 60.0
 148 63.3 33.6 100.6

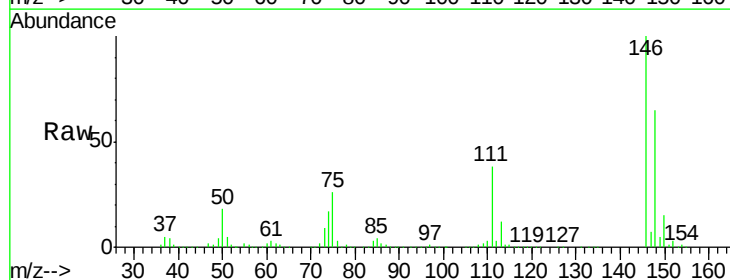


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

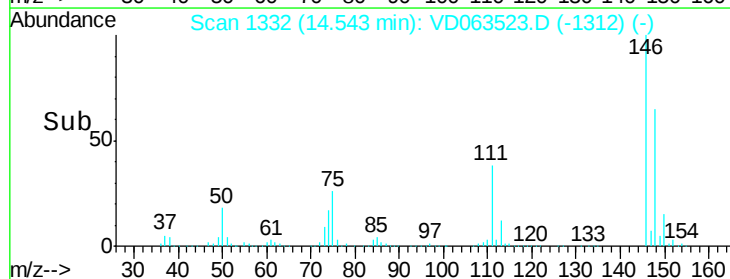
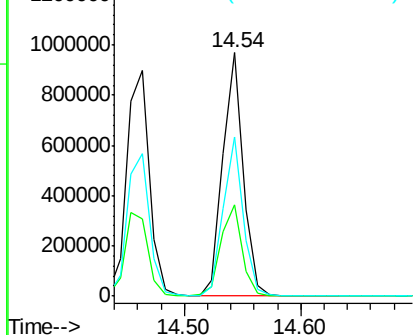


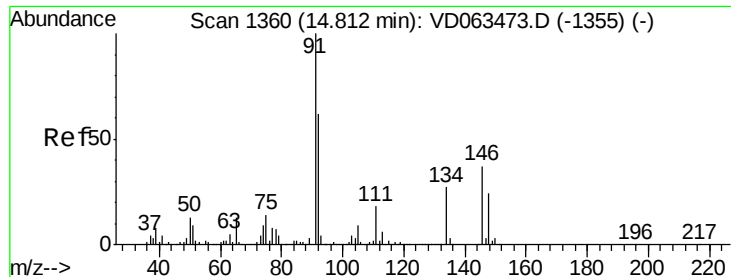
#88
 1,4-Dichlorobenzene
 Concen: 54.575 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

Tgt Ion:146 Resp: 1184372
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.7 59.0
 148 65.2 32.1 96.3



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

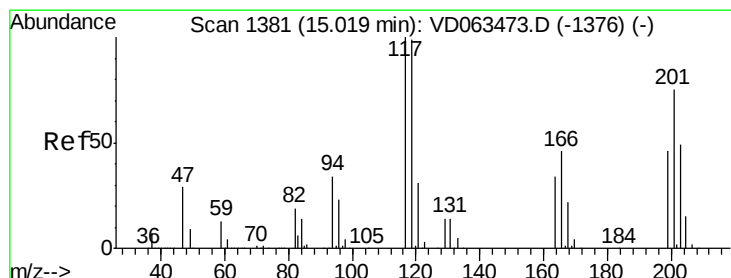
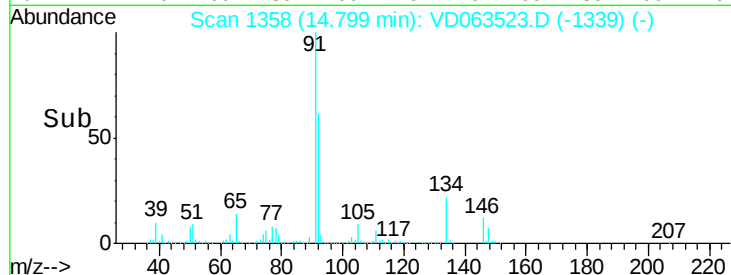
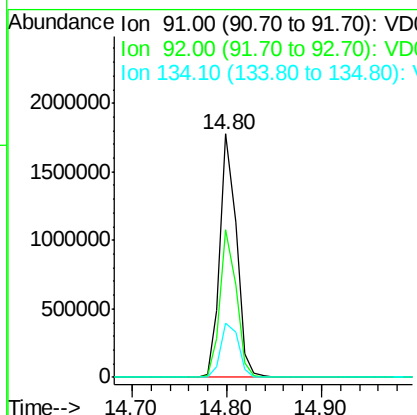
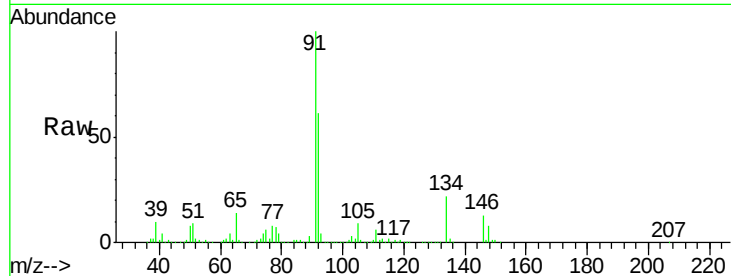




#89
n-Butylbenzene
Concen: 55.058 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

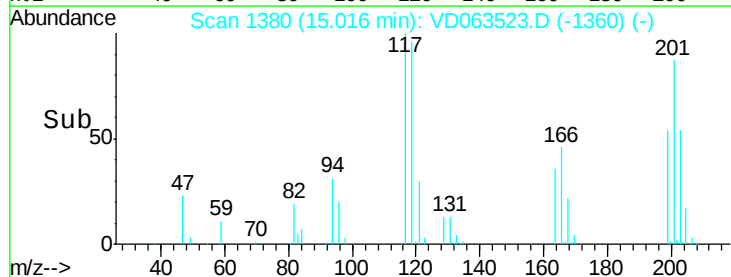
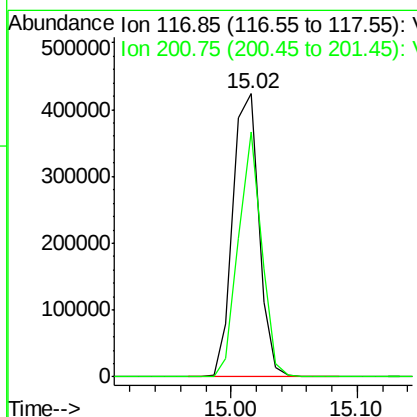
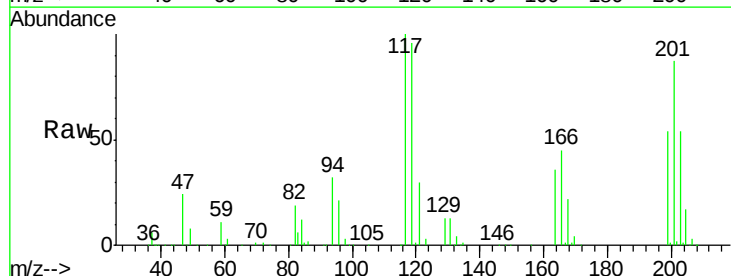
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

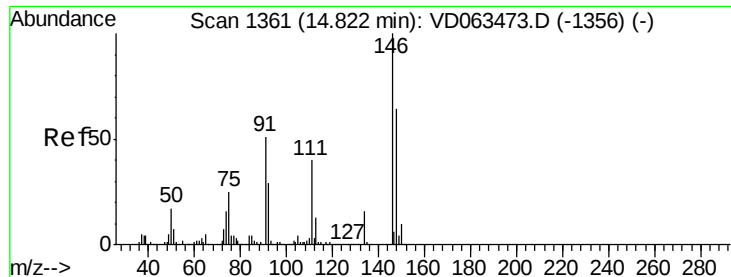
Tot Ion: 91 Resp: 2148049
Ion Ratio Lower Upper
91 100
92 60.6 30.8 92.3
134 22.5 13.4 40.2



#90
Hexachloroethane
Concen: 56.359 ug/l
RT: 15.02 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion: 117 Resp: 605549
Ion Ratio Lower Upper
117 100
201 86.7 37.5 112.5

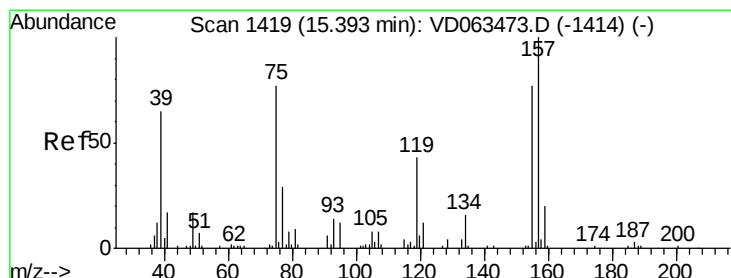
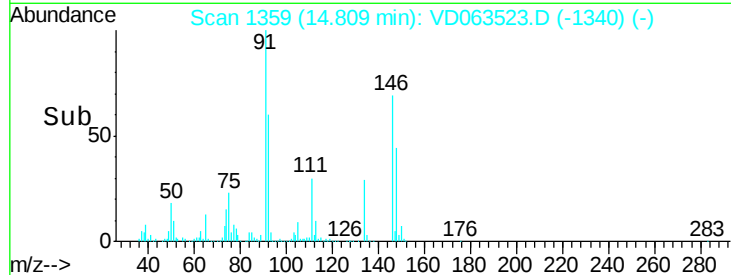
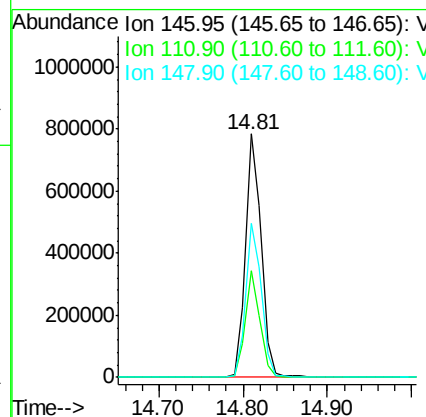
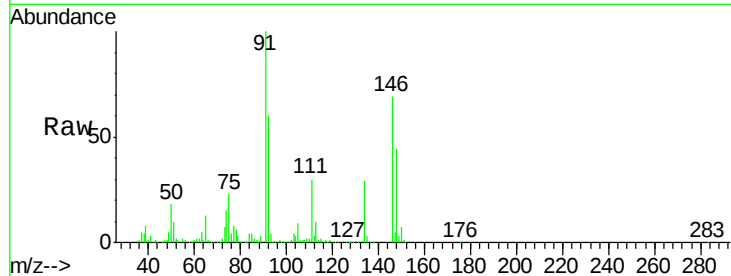




#91
 1,2-Dichlorobenzene
 Concen: 52.721 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

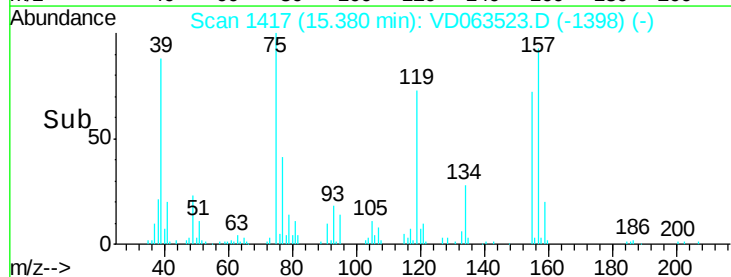
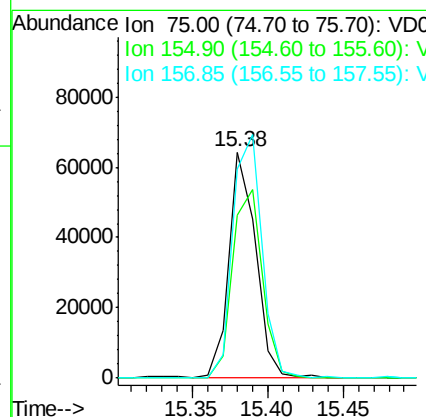
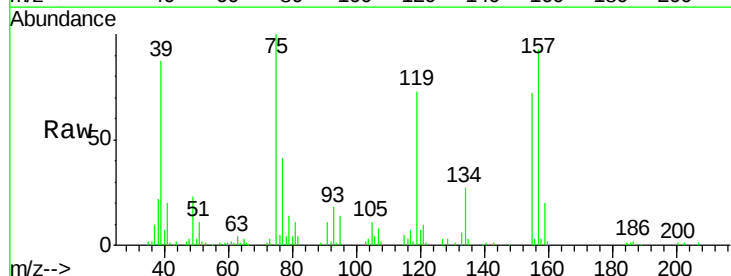
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

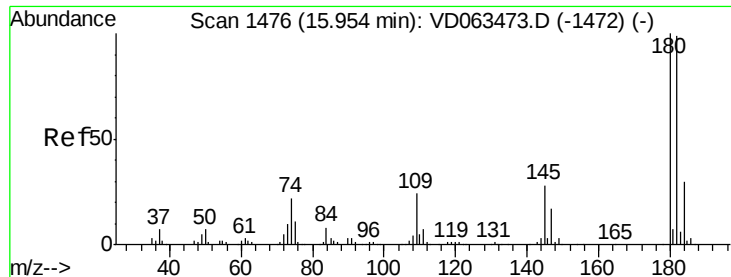
Tot Ion:146 Resp: 1011771
 Ion Ratio Lower Upper
 146 100
 111 43.8 20.2 60.6
 148 63.4 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.515 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

Tgt Ion: 75 Resp: 79387
 Ion Ratio Lower Upper
 75 100
 155 72.1 50.1 150.3
 157 92.5 65.0 195.1

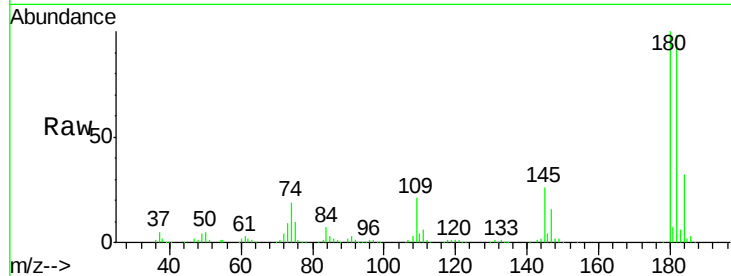




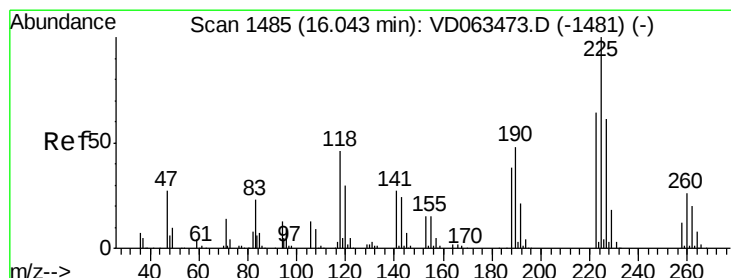
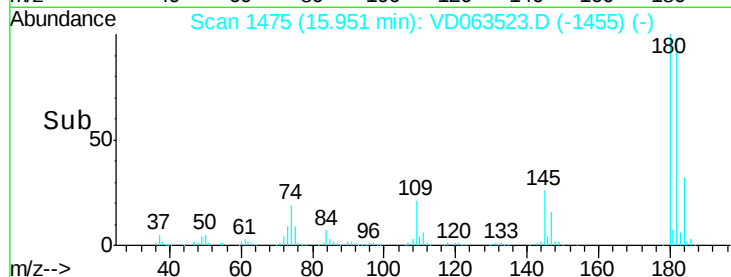
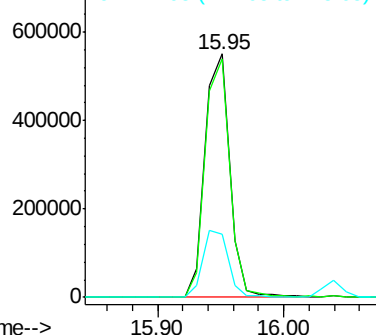
#93
 1,2,4-Trichlorobenzene
 Concen: 52.659 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 743606
 Ion Ratio Lower Upper
 180 100
 182 97.8 49.7 149.1
 145 26.1 14.1 42.2

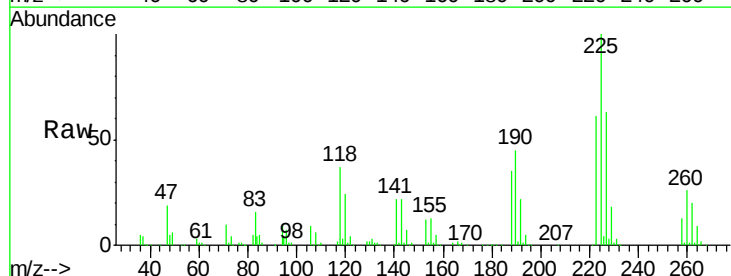


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

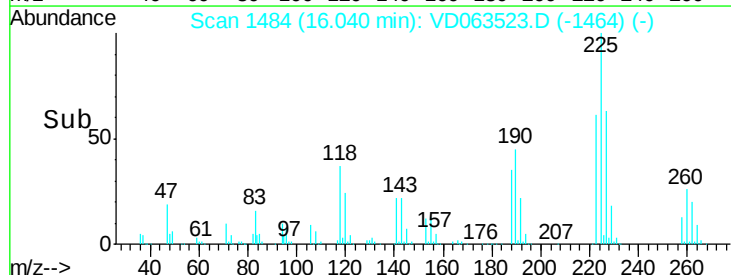
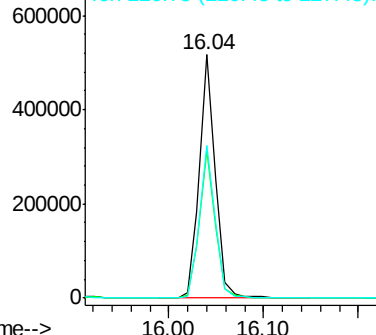


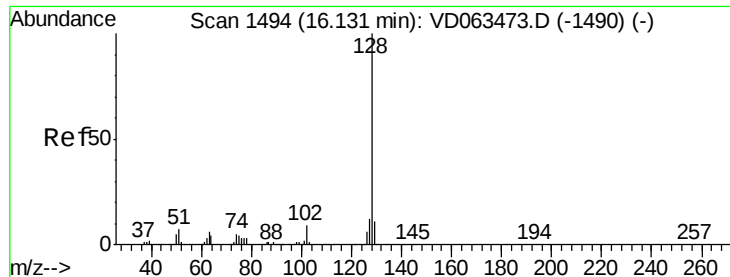
#94
 Hexachlorobutadiene
 Concen: 56.161 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

Tgt Ion:225 Resp: 604414
 Ion Ratio Lower Upper
 225 100
 223 60.7 31.9 95.5
 227 62.6 30.7 92.1



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

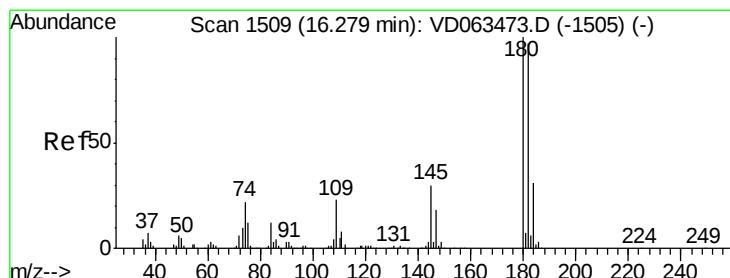
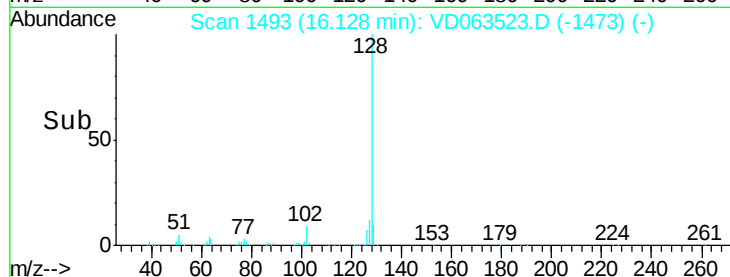
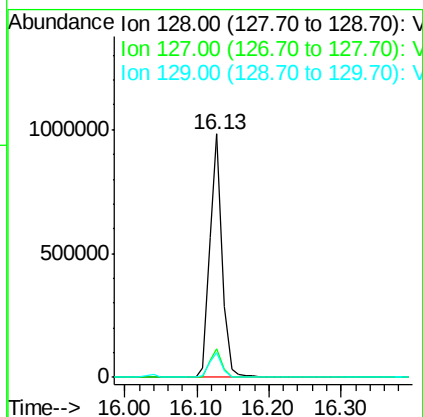
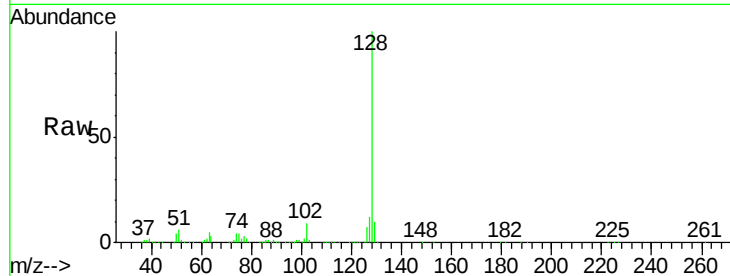




#95
Naphthalene
Concen: 53.949 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1154550
Ion Ratio Lower Upper
128 100
127 11.5 9.4 14.0
129 10.3 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 52.487 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Tgt Ion:180 Resp: 598645
Ion Ratio Lower Upper
180 100
182 96.4 48.4 145.2
145 26.5 14.9 44.9

