

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 : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

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

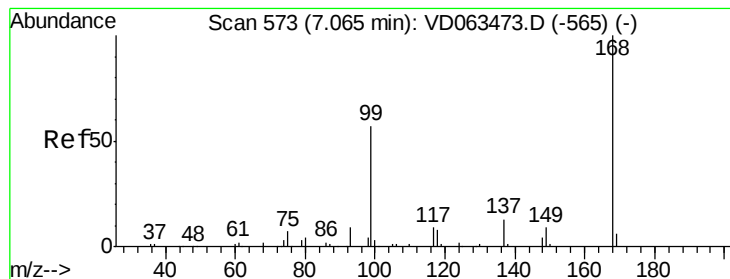
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 Response via : Initial Calibration

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

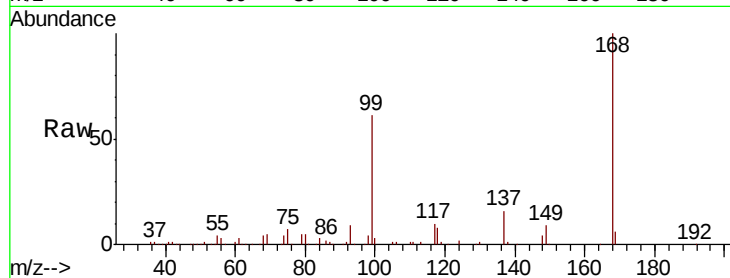
Instrument :
MSVOA_D
ClientSampleId :

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

7.05

400000

300000

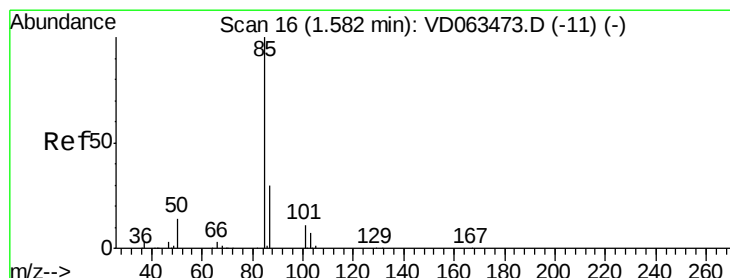
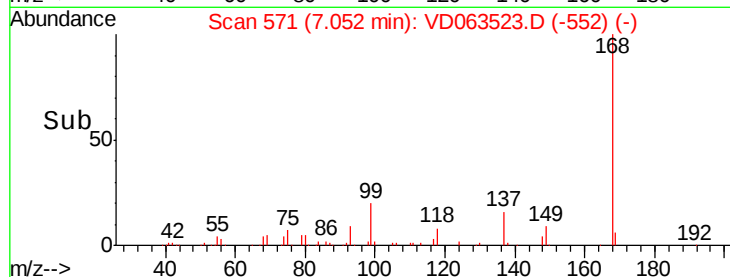
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 48.249 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063523.D

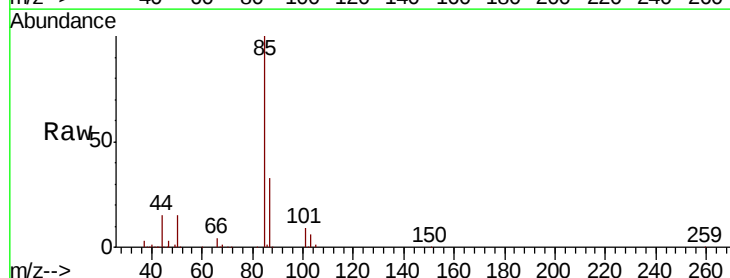
Acq: 13 Aug 2019 13:10

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

1.58

400000

300000

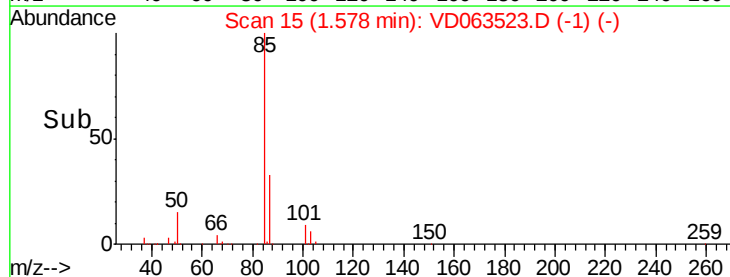
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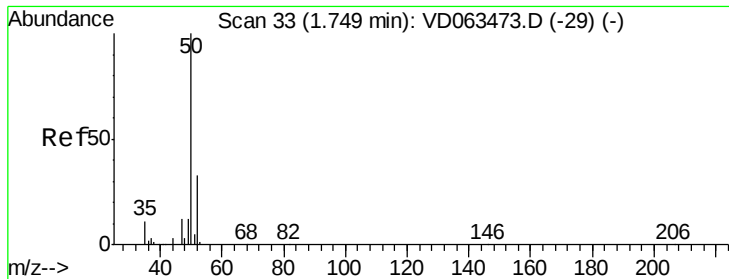
100000

0

1.50 1.60 1.70 1.80

Time-->





#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

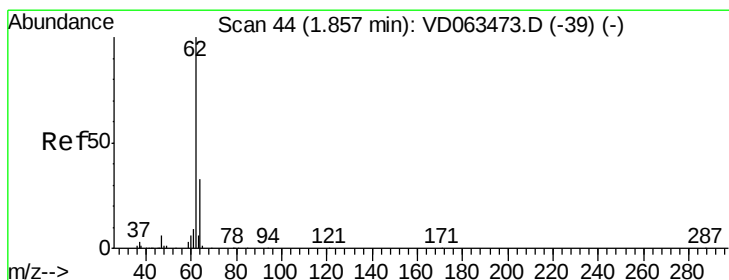
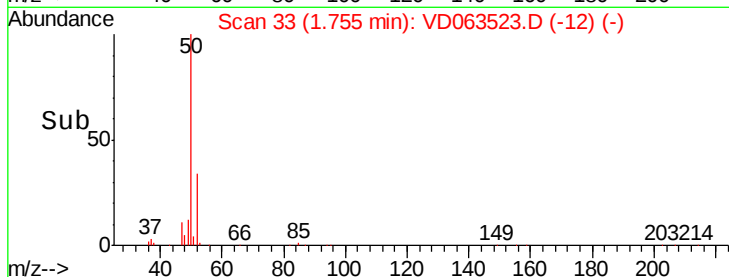
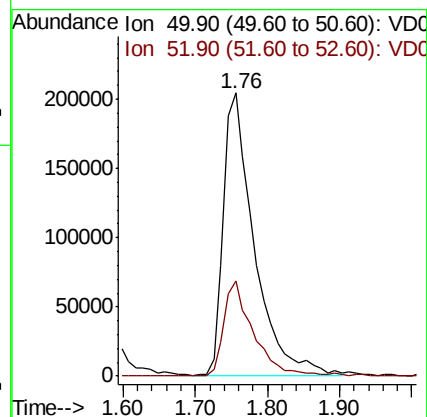
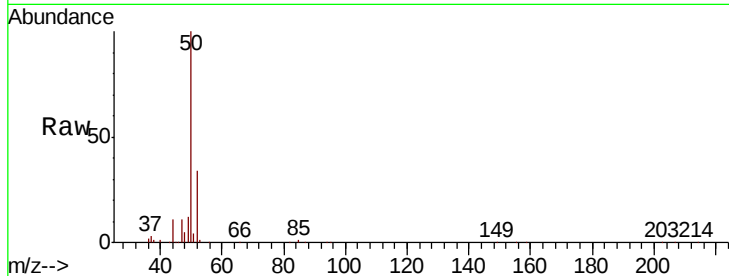
ClientSampleId :

Tot Ion: 50 Resp: 600297

Ion Ratio Lower Upper

50 100

52 33.9 26.6 40.0



#4

Vinyl Chloride

Concen: 51.851 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD063523.D

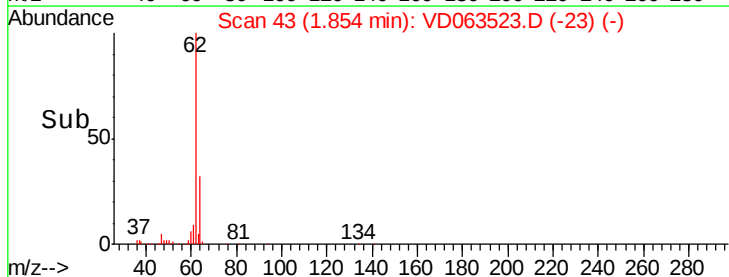
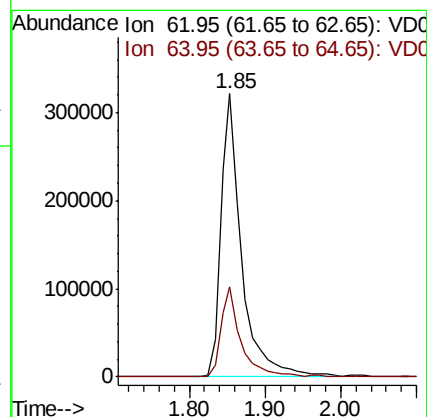
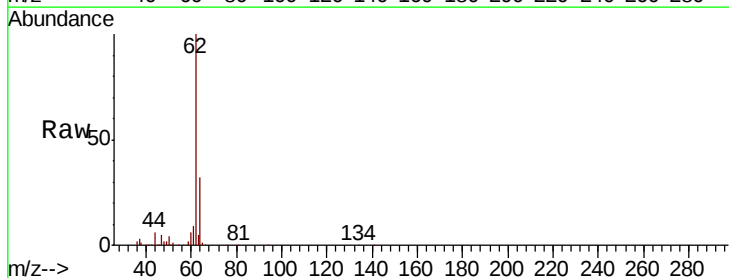
Acq: 13 Aug 2019 13:10

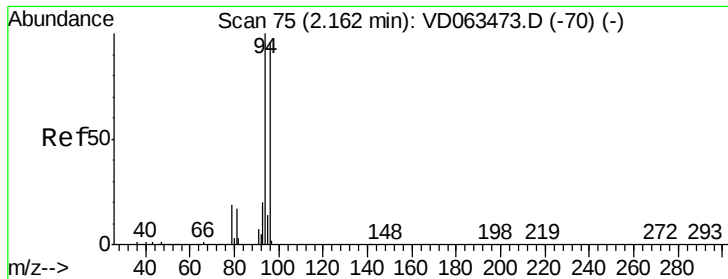
Tgt Ion: 62 Resp: 615860

Ion Ratio Lower Upper

62 100

64 31.9 26.4 39.6





#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

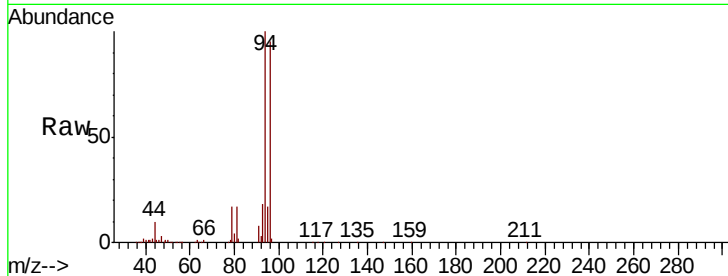
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 94 Resp: 270292

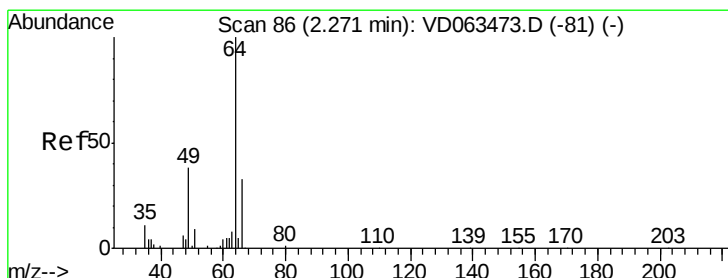
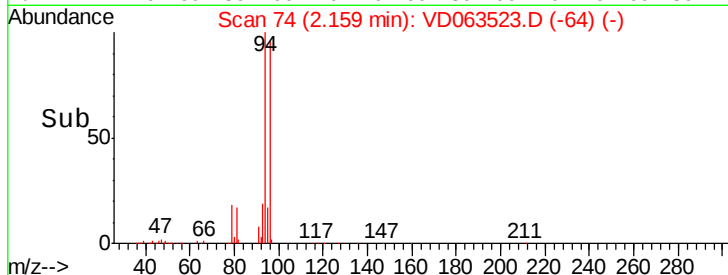
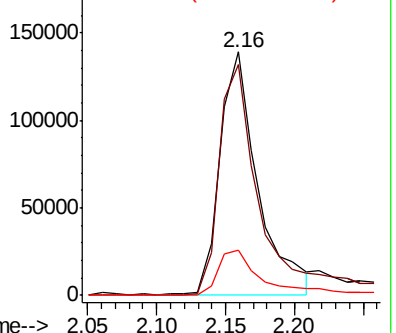
Ion	Ratio	Lower	Upper
94	100		
96	94.9	76.5	114.7
93	18.4	15.8	23.8



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

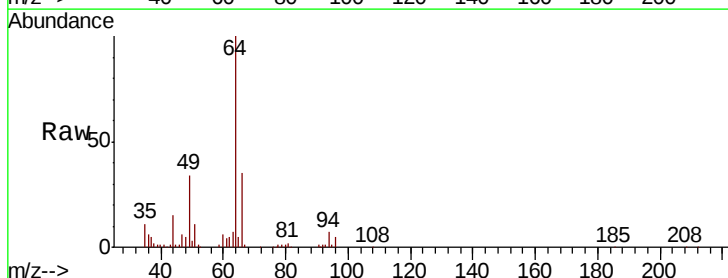
Delta R.T. -0.00 min

Lab File: VD063523.D

Acq: 13 Aug 2019 13:10

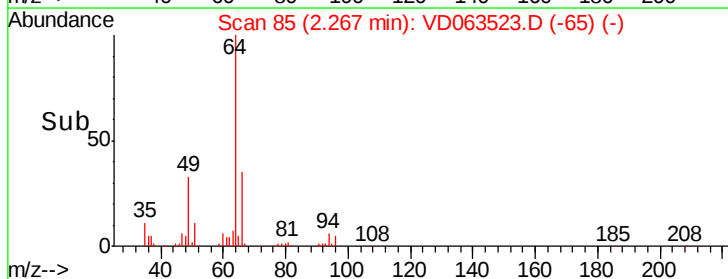
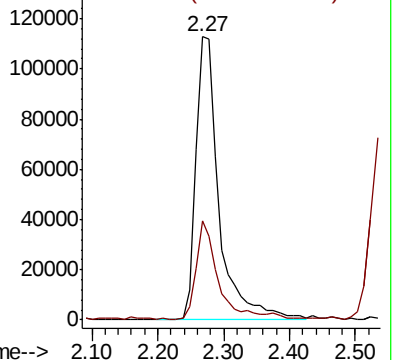
Tgt Ion: 64 Resp: 281143

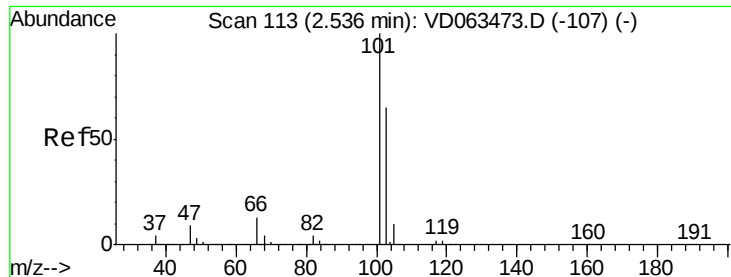
Ion	Ratio	Lower	Upper
64	100		
66	35.1	26.3	39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



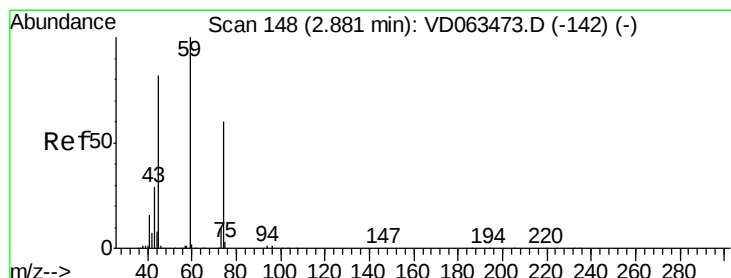
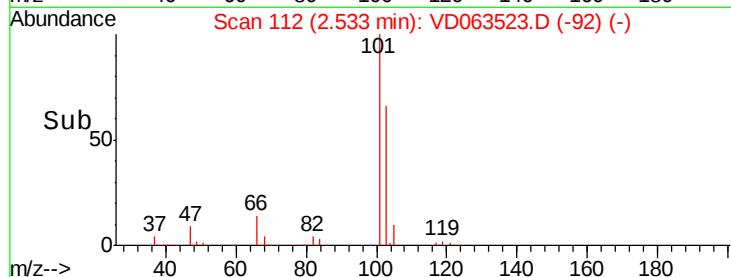
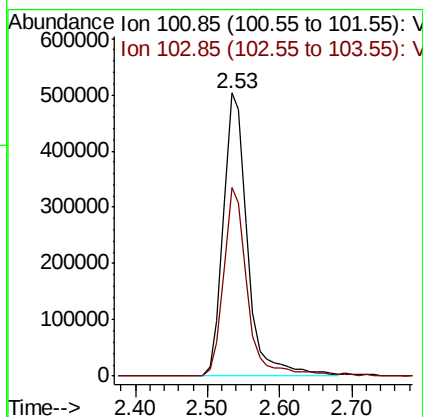
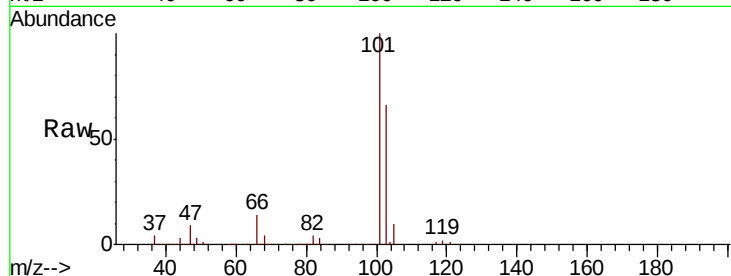


#7

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 :

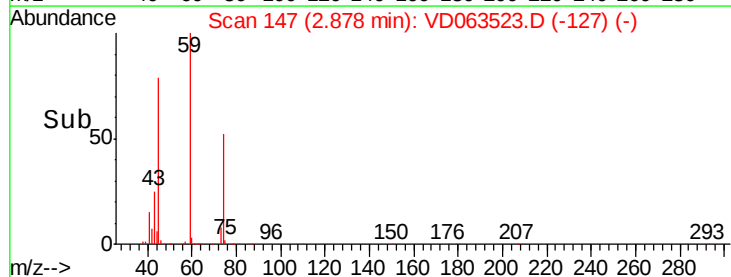
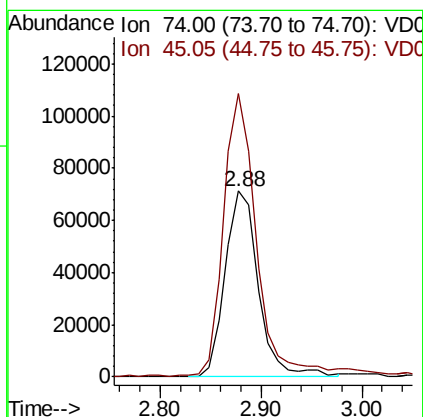
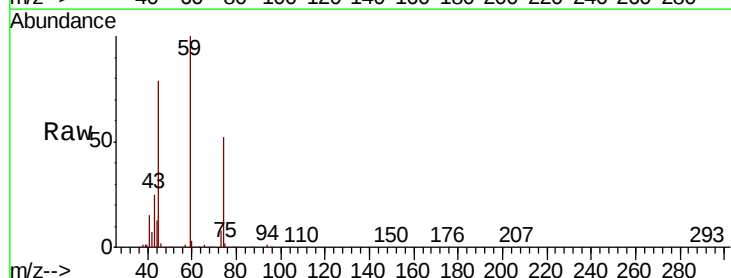
Tot Ion:101 Resp: 1170309
Ion Ratio Lower Upper
101 100
103 66.4 52.2 78.4



#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 :

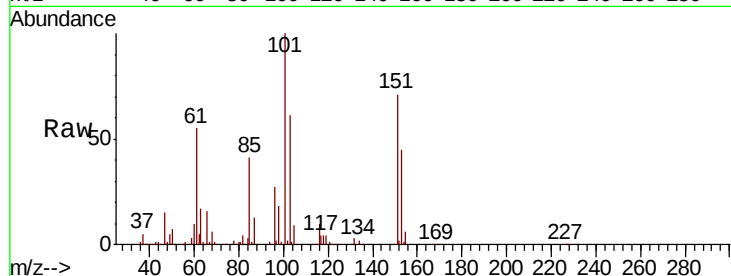
Tot Ion:101 Resp: 710980

Ion Ratio Lower Upper

101 100

85 41.4 35.8 53.6

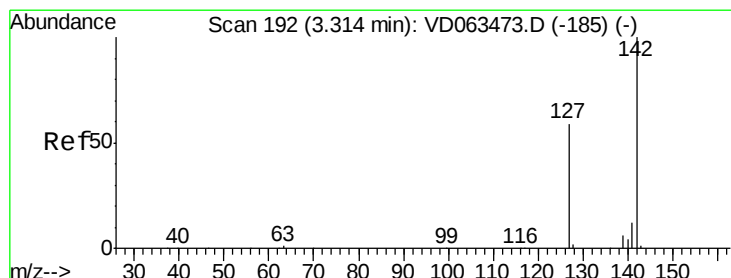
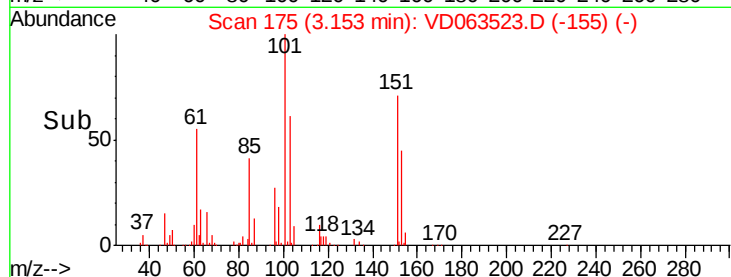
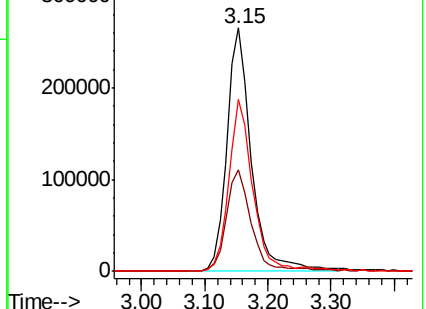
151 70.6 58.6 88.0



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

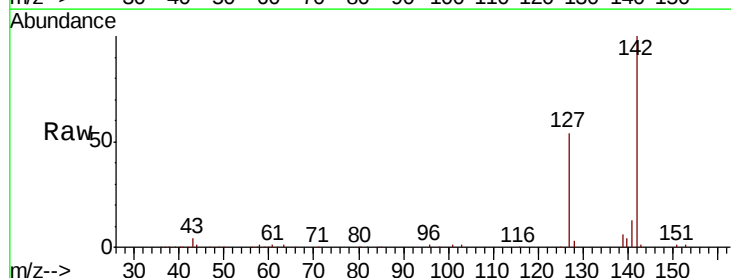
Tgt Ion:142 Resp: 961961

Ion Ratio Lower Upper

142 100

127 54.0 47.2 70.8

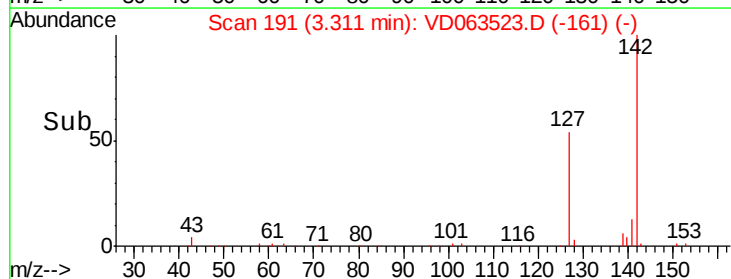
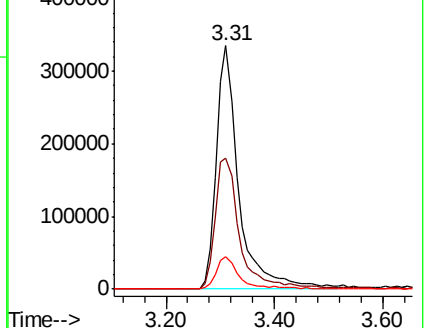
141 13.4 9.8 14.8

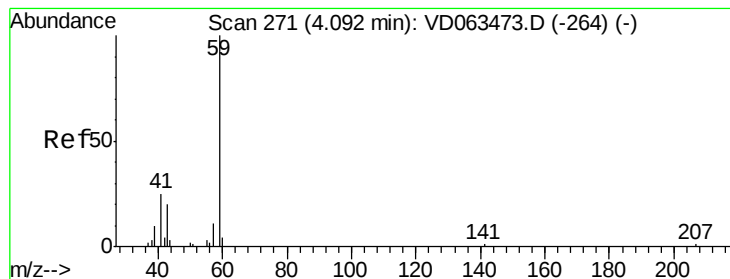


Abundance Ion 141.85 (141.55 to 142.55): V

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

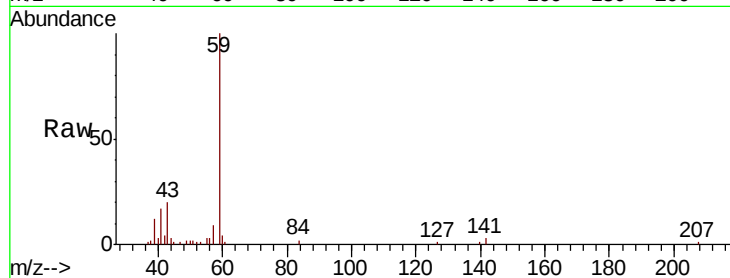
ClientSampleId :

Tot Ion: 59 Resp: 165267

Ion Ratio Lower Upper

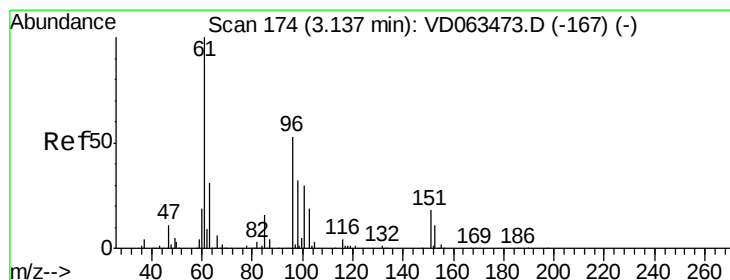
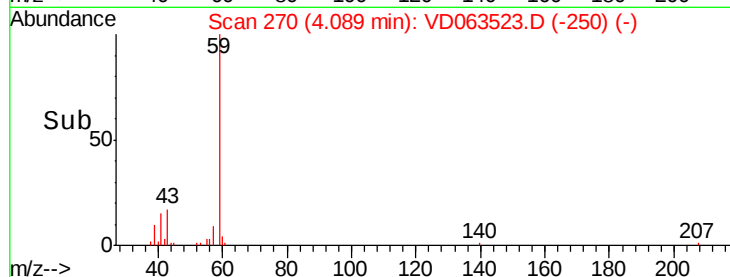
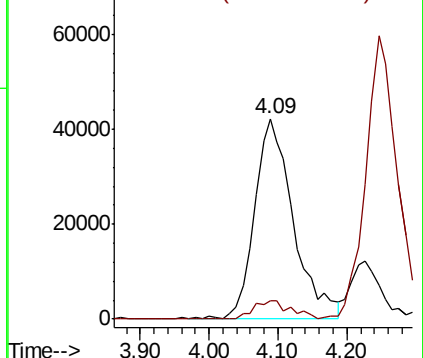
59 100

57 9.0 8.7 13.1



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#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

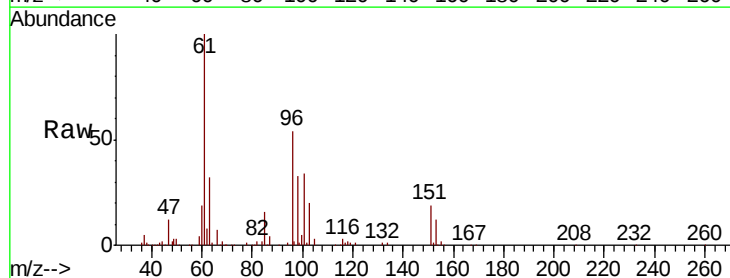
Tgt Ion: 96 Resp: 499545

Ion Ratio Lower Upper

96 100

61 185.8 151.7 227.5

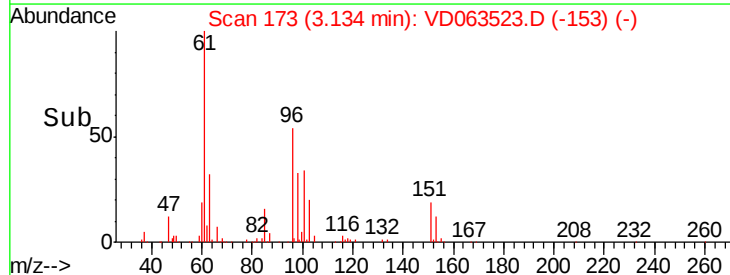
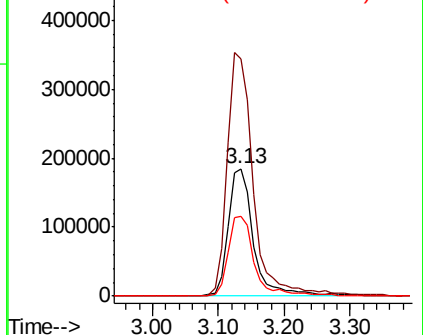
98 62.1 48.4 72.6

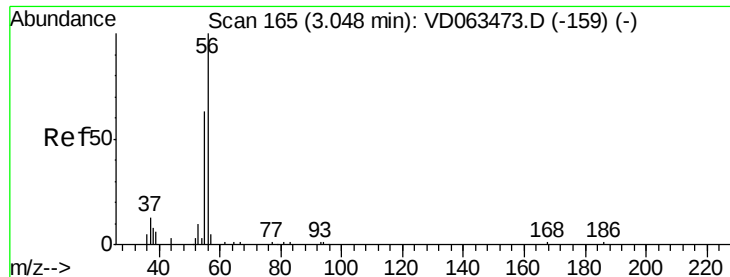


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 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

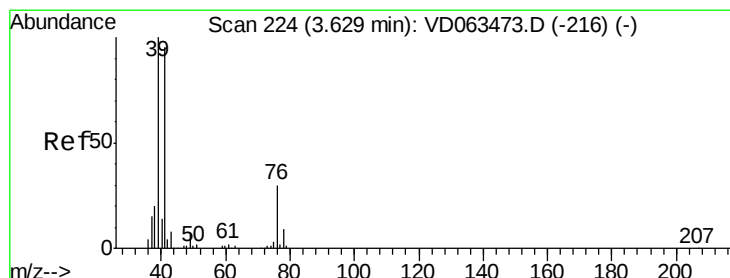
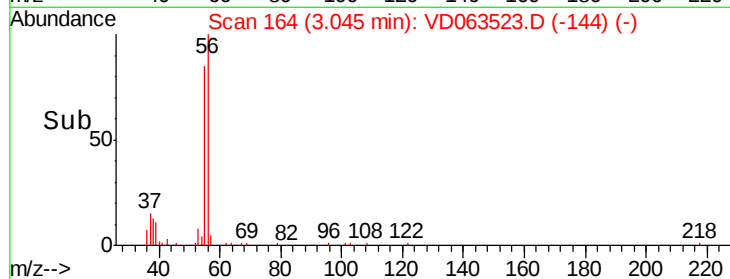
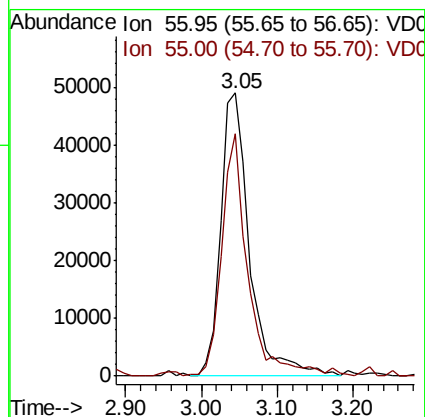
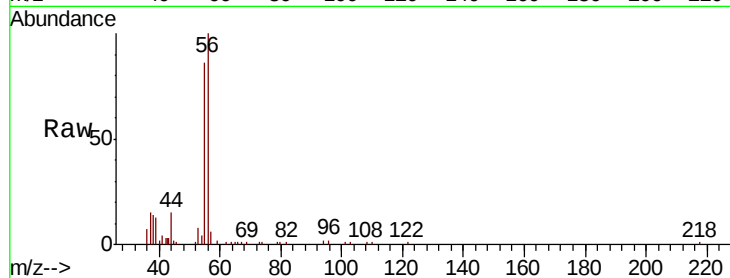
ClientSampleId :

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

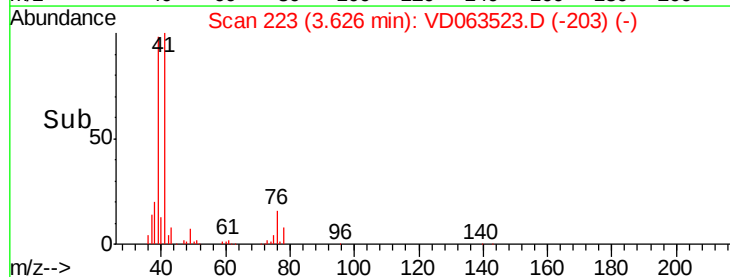
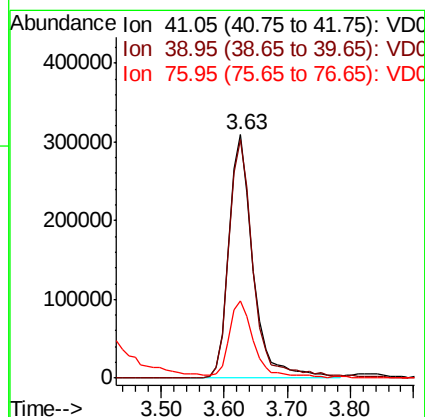
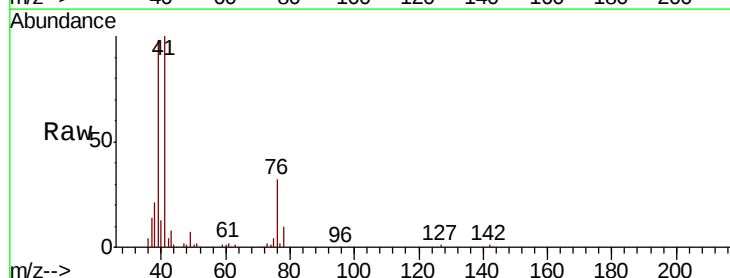
Tgt Ion: 41 Resp: 816896

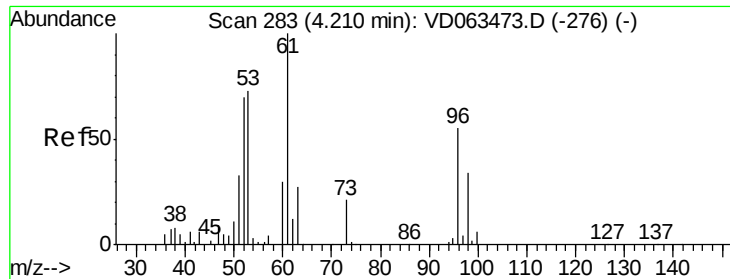
Ion Ratio Lower Upper

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 :

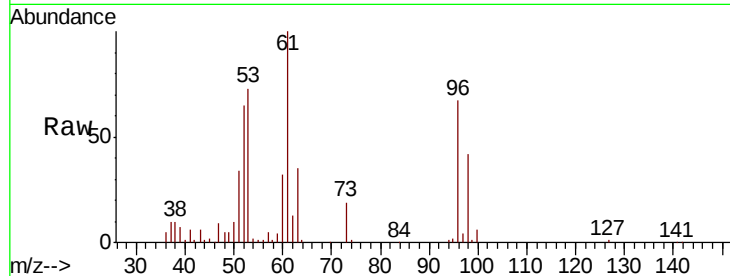
Tot Ion: 53 Resp: 403342

Ion Ratio Lower Upper

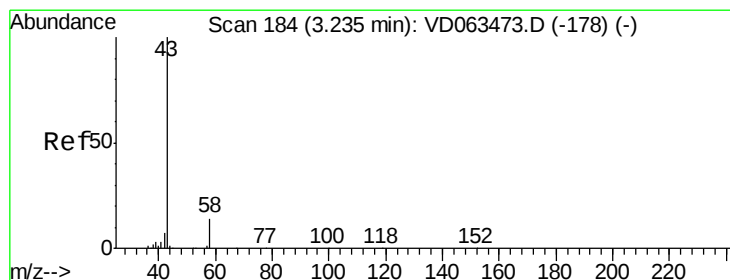
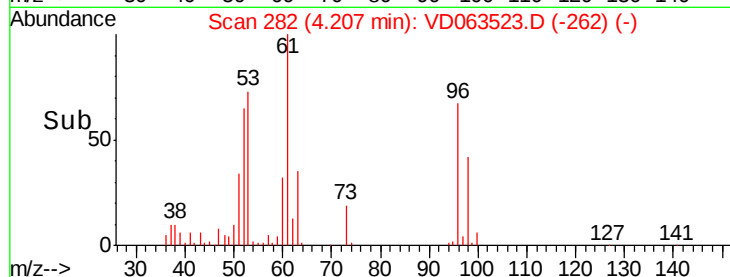
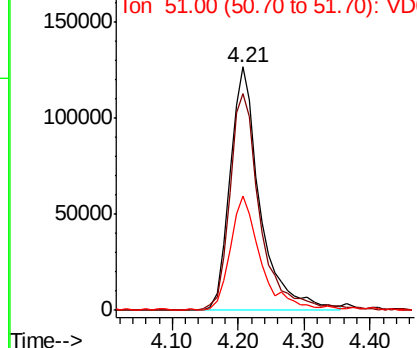
53 100

52 89.2 77.4 116.0

51 47.2 36.7 55.1



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



#16

Acetone

Concen: 296.538 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063523.D

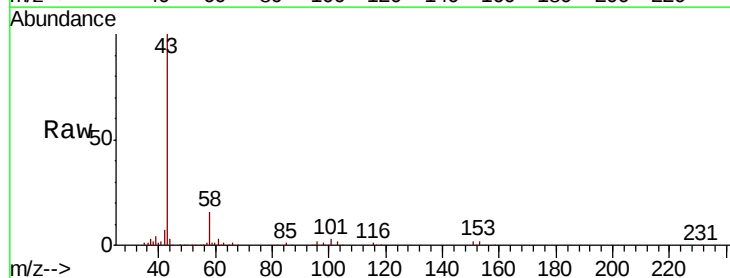
Acq: 13 Aug 2019 13:10

Tgt Ion: 43 Resp: 815602

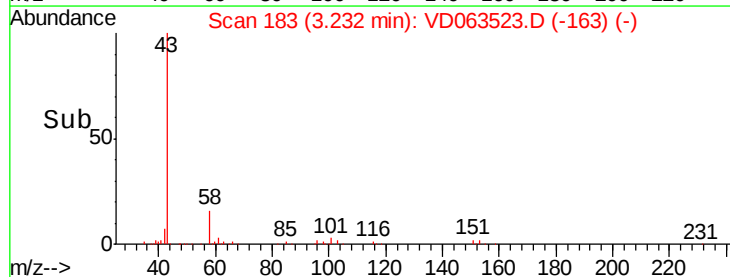
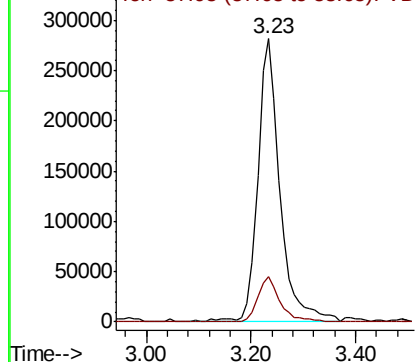
Ion Ratio Lower Upper

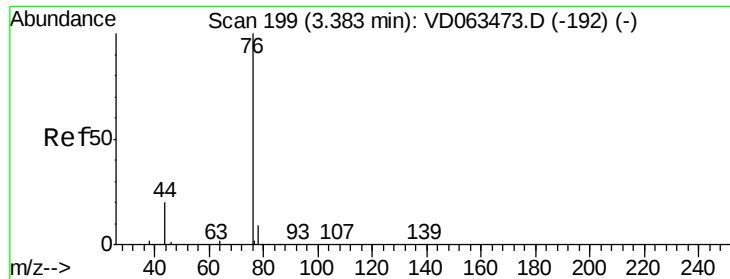
43 100

58 15.9 11.4 17.2



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

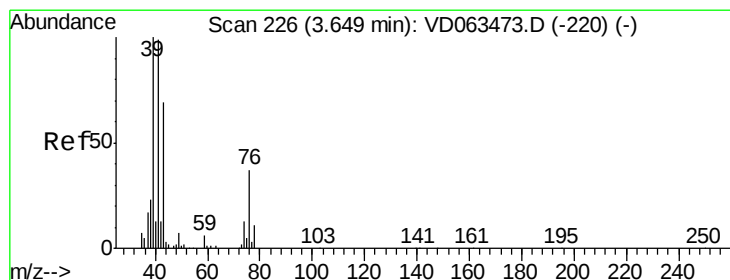
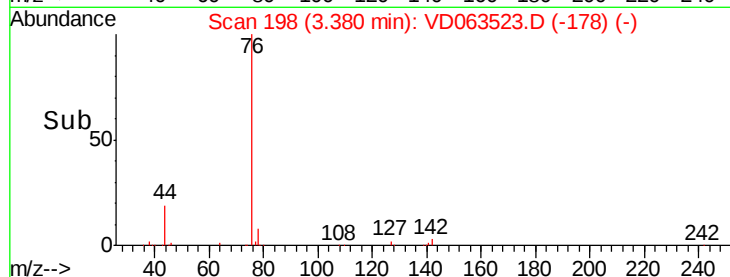
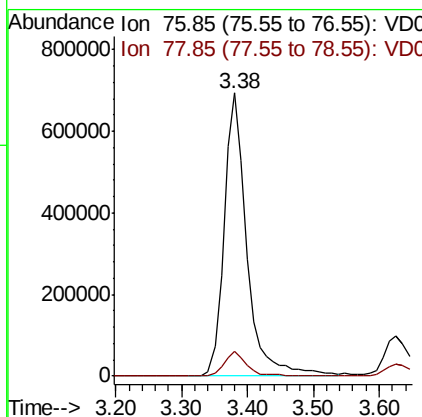
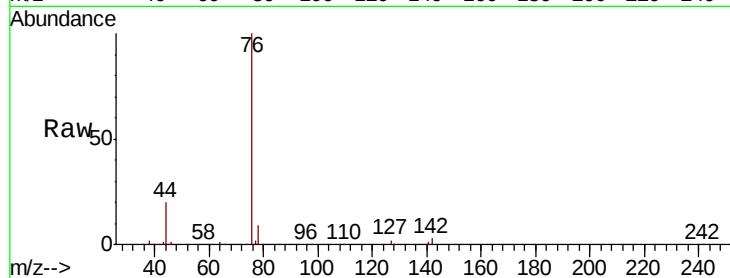




#17
Carbon Disulfide
Concen: 51.867 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

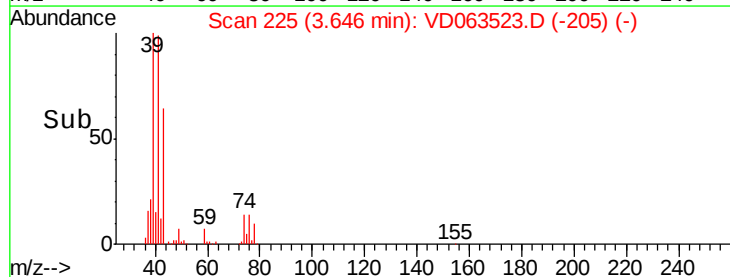
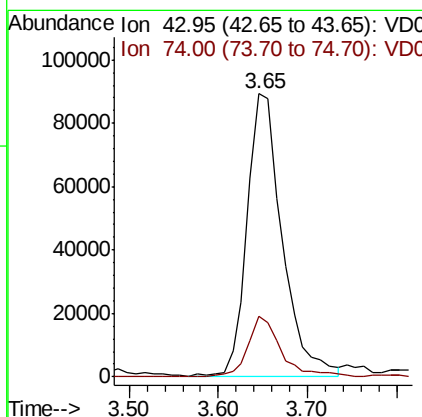
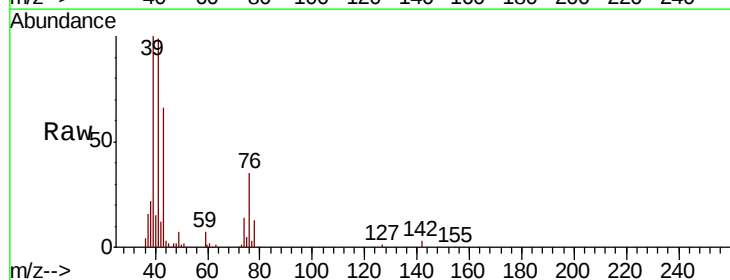
Instrument :
MSVOA_D
ClientSampleId :

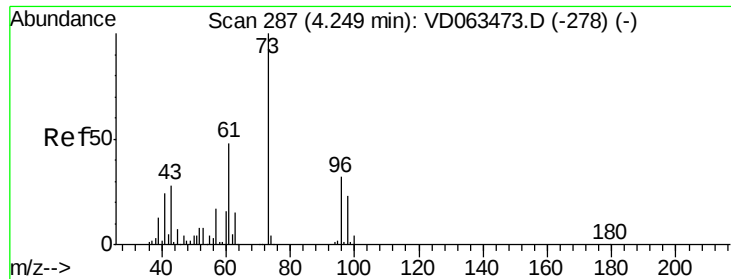
Tot Ion: 76 Resp: 1674264
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#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

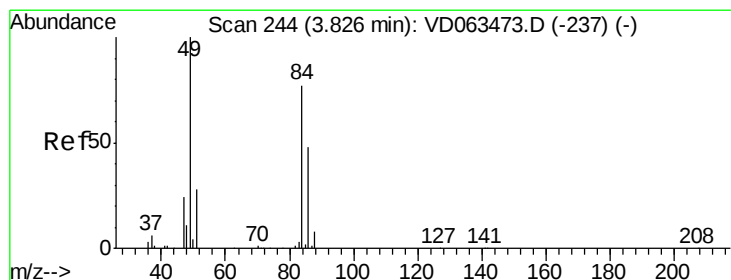
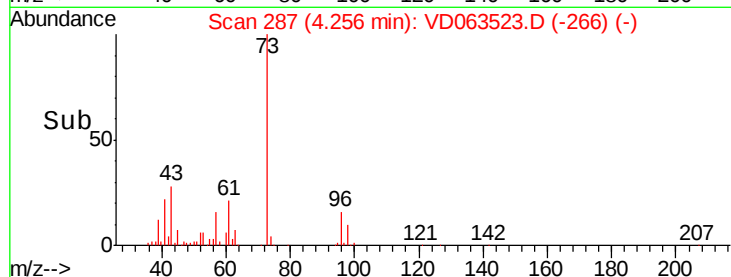
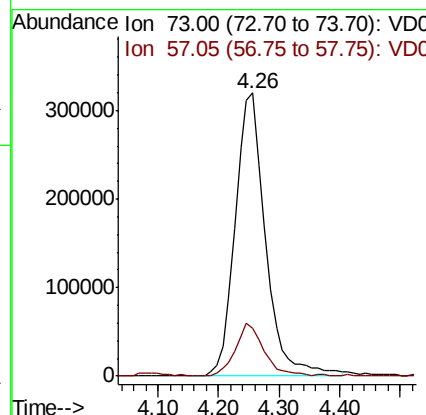
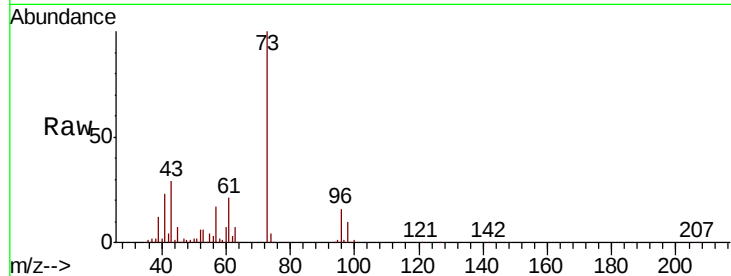




#19
Methvl tert-butvl Ether
Concen: 54.320 ug/l
RT: 4.26 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

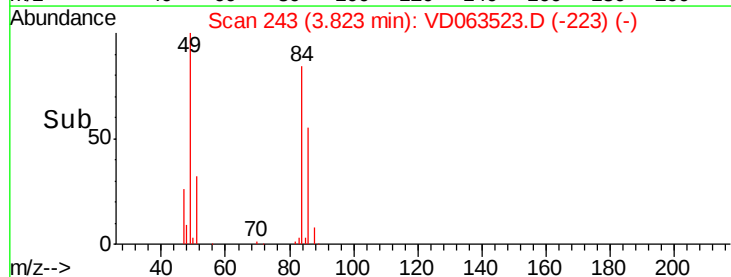
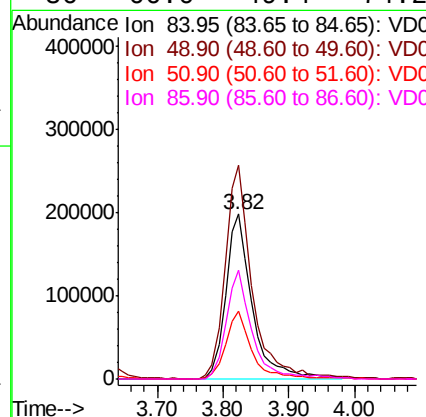
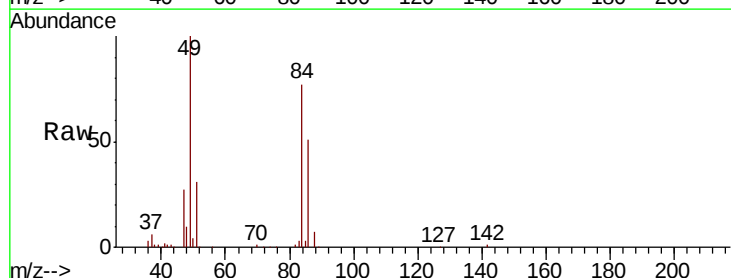
Instrument :
MSVOA_D
ClientSampleId :

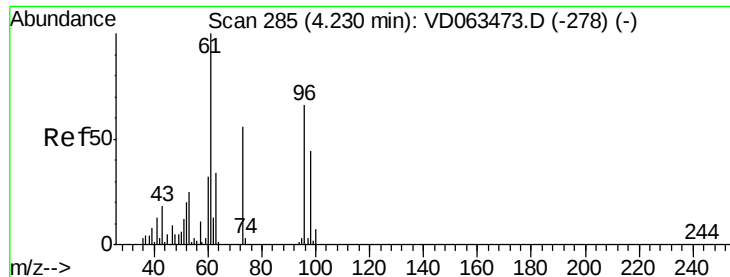
Tot Ion: 73 Resp: 1111097
Ion Ratio Lower Upper
73 100
57 16.9 14.0 21.0



#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 :

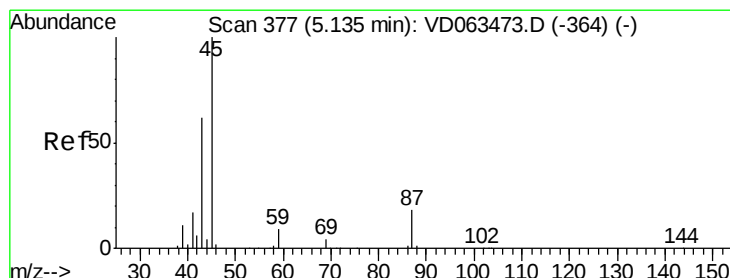
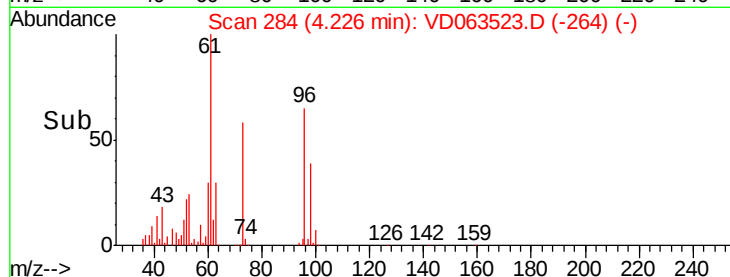
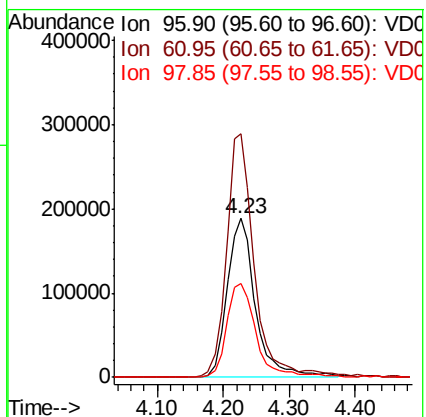
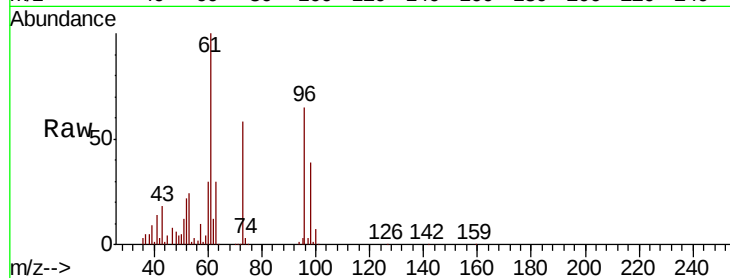
Tot Ion: 96 Resp: 566394

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

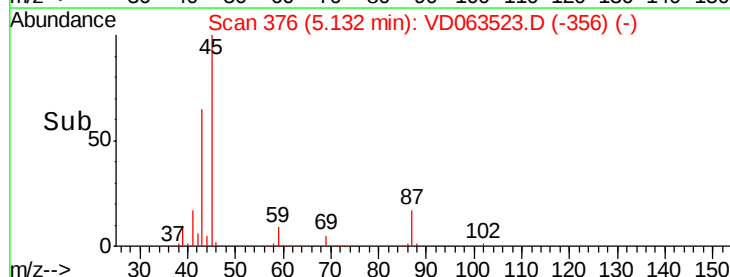
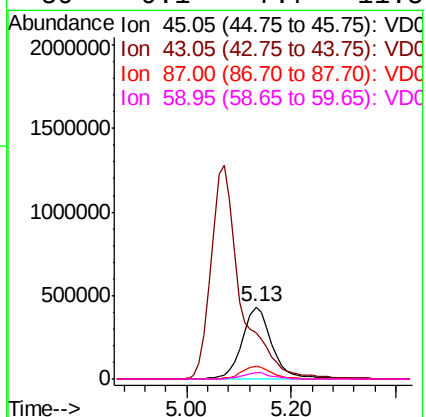
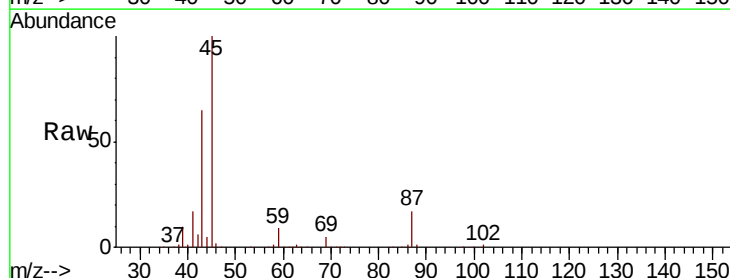
Ion Ratio Lower Upper

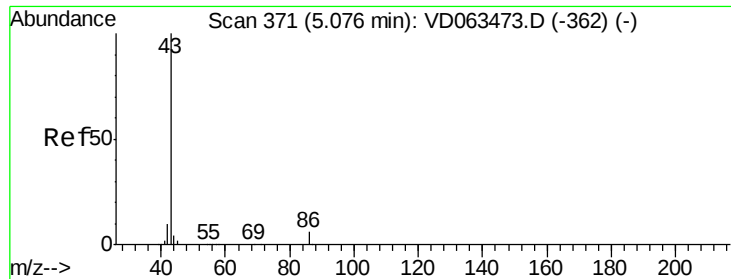
45 100

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

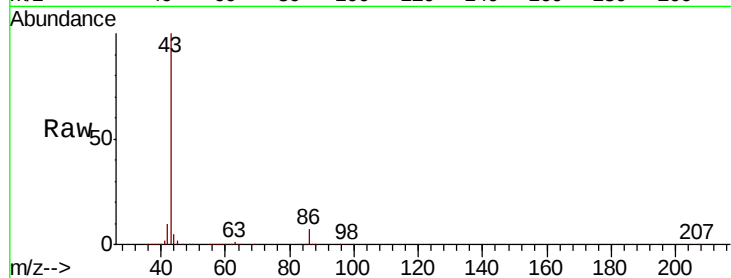
ClientSampled :

Tot Ion: 43 Resp: 4993772

Ion Ratio Lower Upper

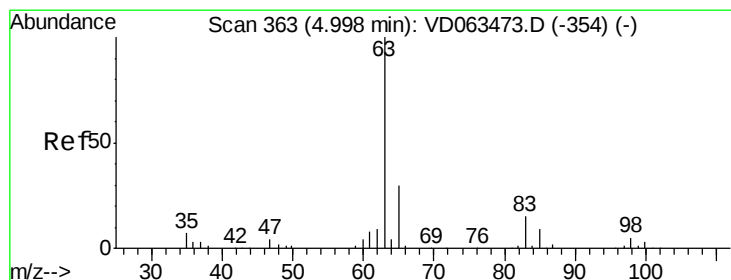
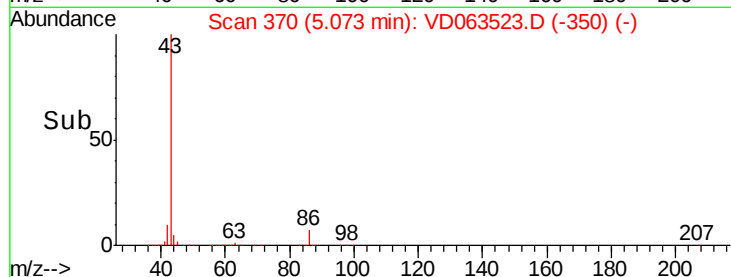
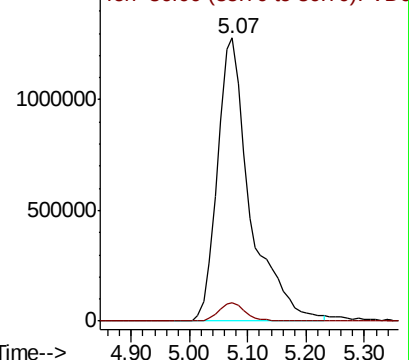
43 100

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



#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

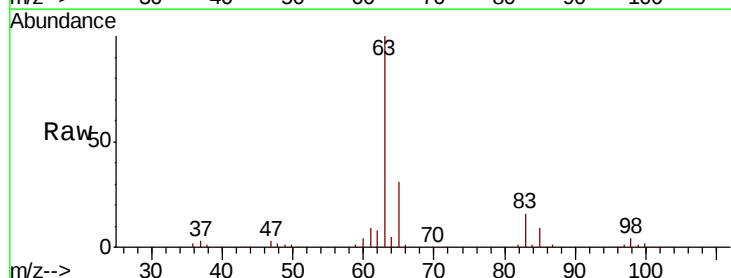
Tgt Ion: 63 Resp: 981327

Ion Ratio Lower Upper

63 100

98 4.0 2.4 7.2

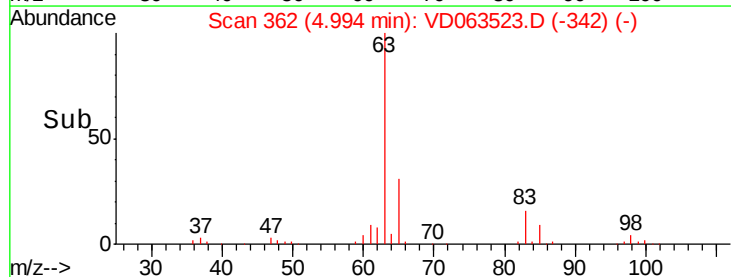
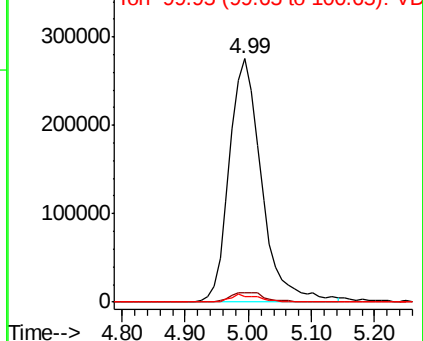
100 2.2 1.3 3.8

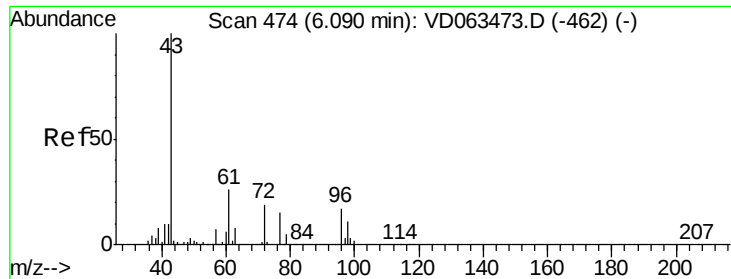


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#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

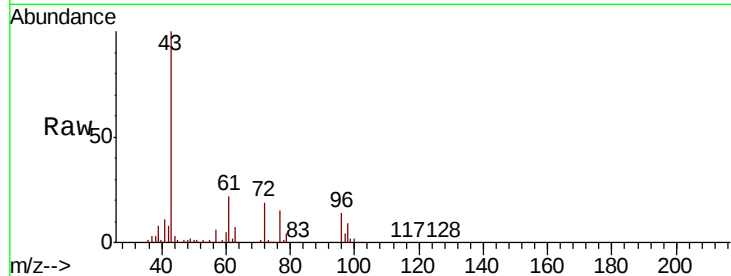
ClientSampled :

Tot Ion: 43 Resp: 748904

Ion Ratio Lower Upper

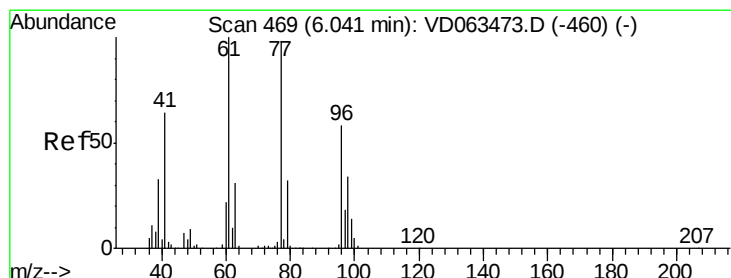
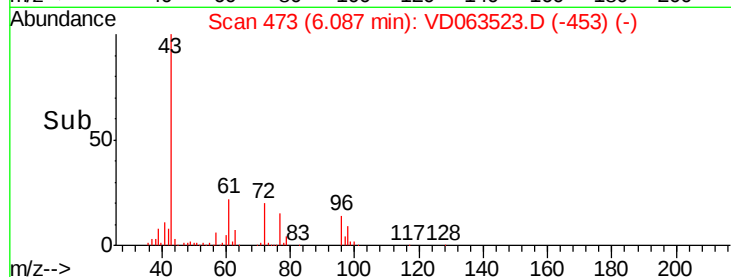
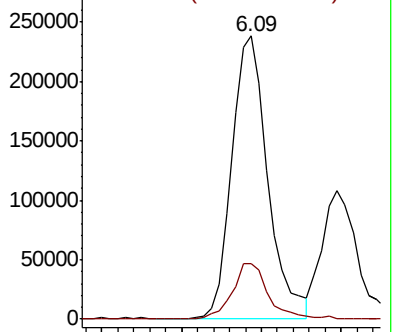
43 100

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

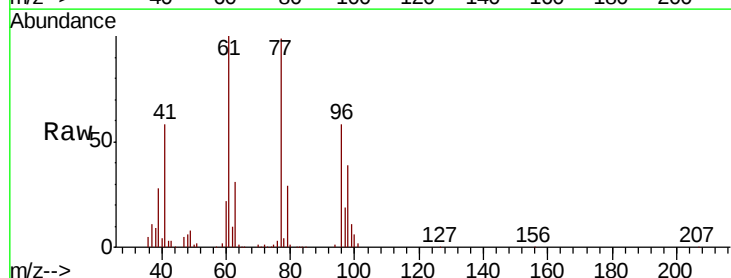
Acq: 13 Aug 2019 13:10

Tgt Ion: 77 Resp: 1043137

Ion Ratio Lower Upper

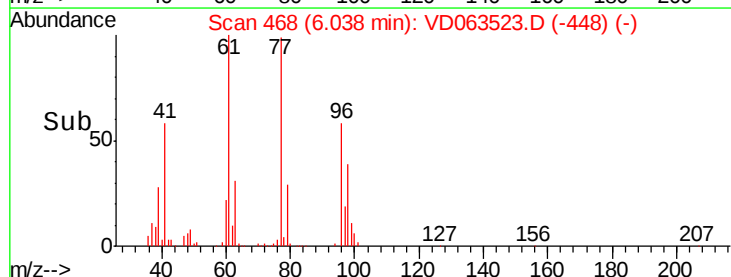
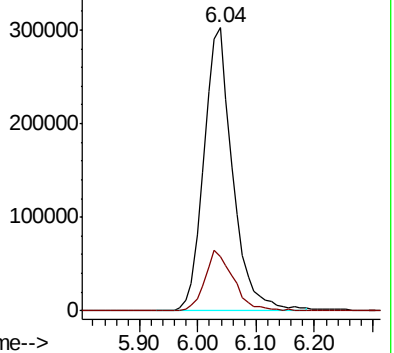
77 100

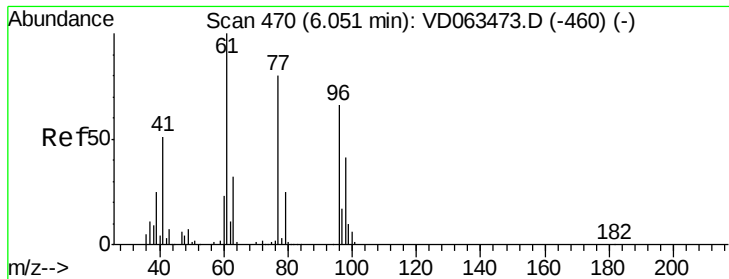
97 19.1 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



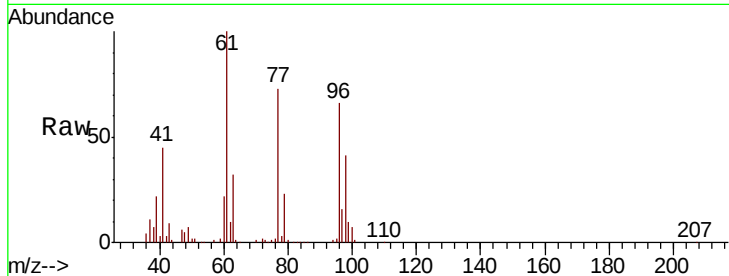


#27

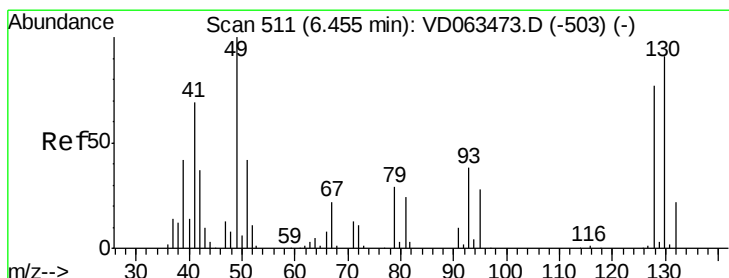
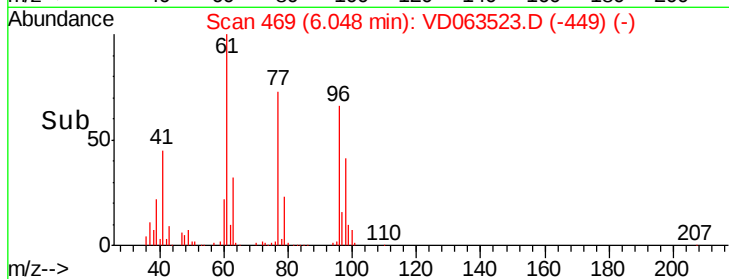
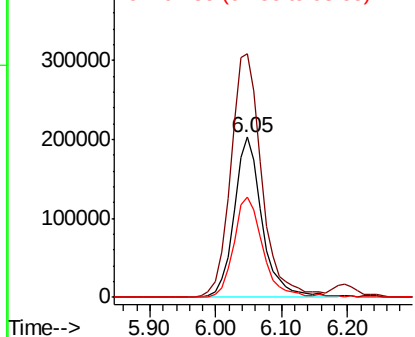
cis-1,2-Dichloroethene
Concen: 51.303 ug/l
RT: 6.05 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Instrument :
MSVOA_D
ClientSampled :

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



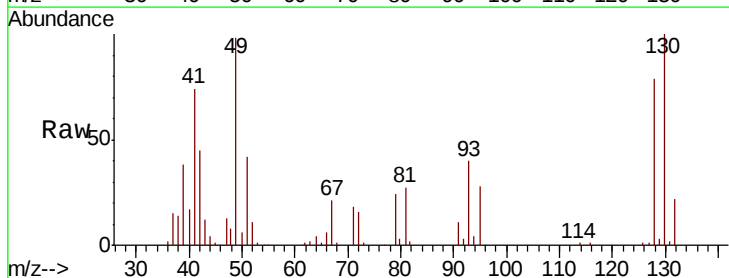
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



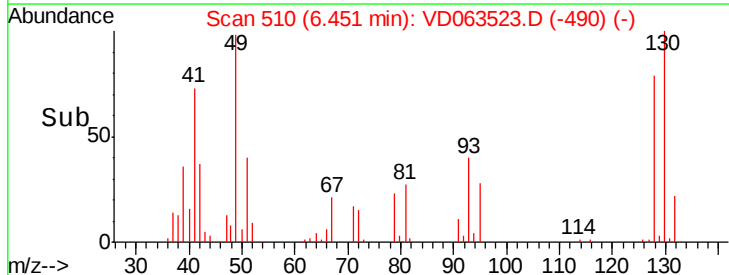
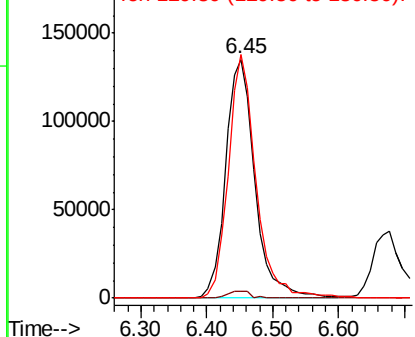
#28

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	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): V
Ion 129.80 (129.50 to 130.50): V





#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 :

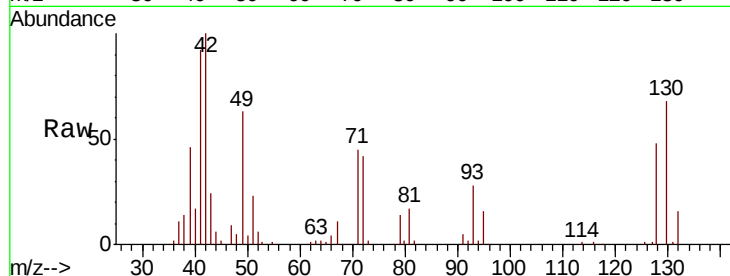
Tot Ion: 42 Resp: 335979

Ion Ratio Lower Upper

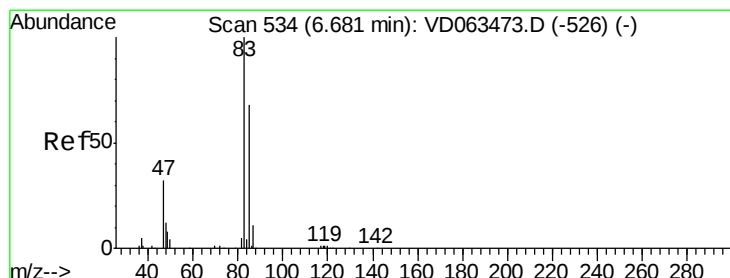
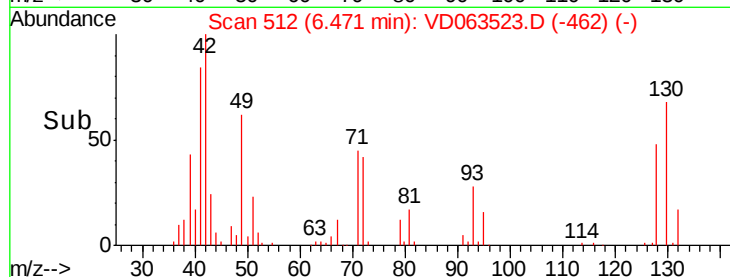
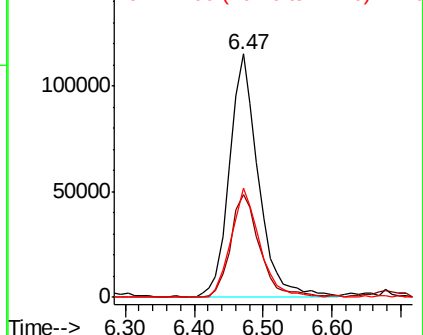
42 100

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

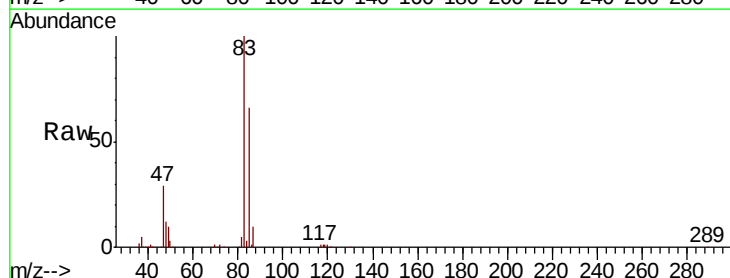
Acq: 13 Aug 2019 13:10

Tgt Ion: 83 Resp: 1174096

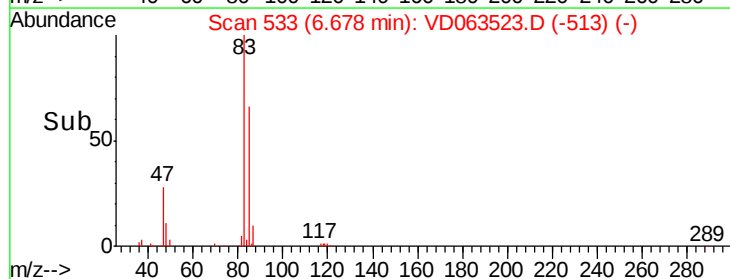
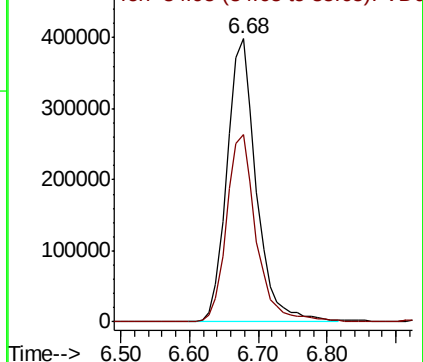
Ion Ratio Lower Upper

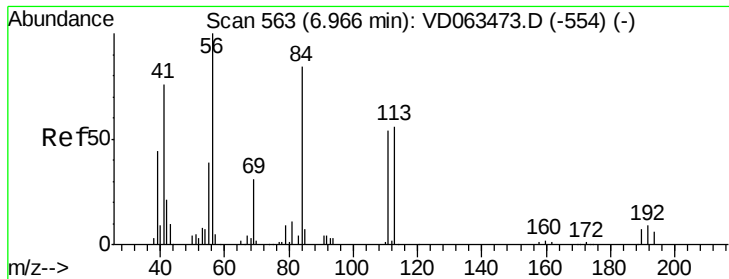
83 100

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 :

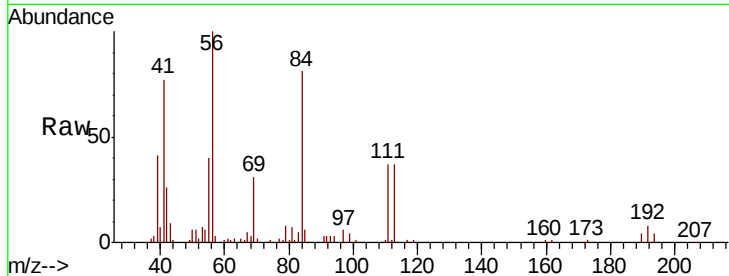
Tot Ion: 56 Resp: 667874

Ion Ratio Lower Upper

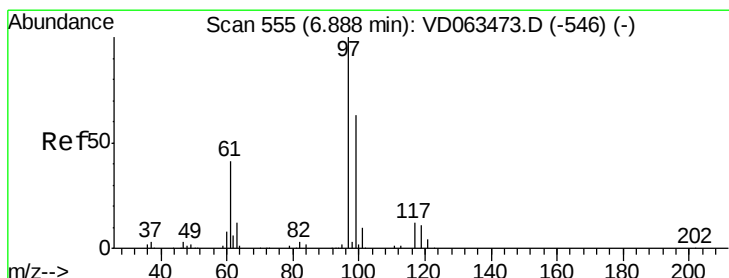
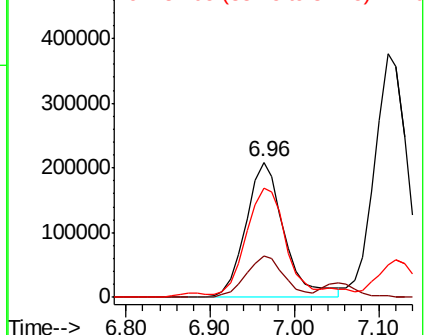
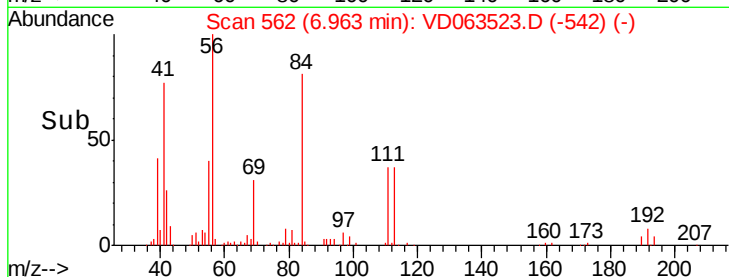
56 100

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

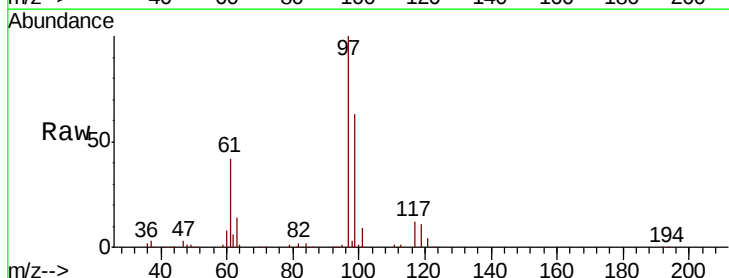
Tgt Ion: 97 Resp: 1193061

Ion Ratio Lower Upper

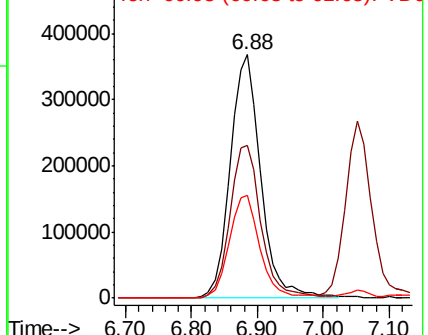
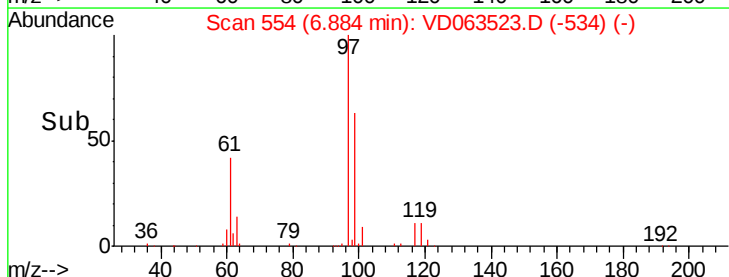
97 100

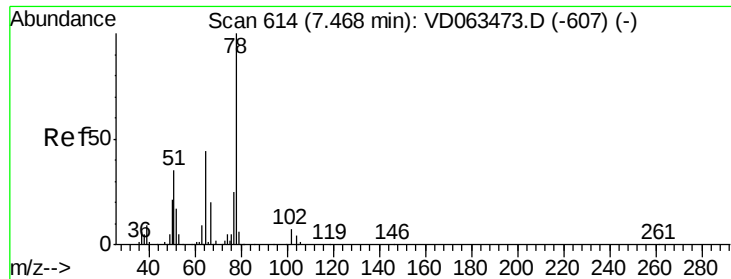
99 62.6 50.2 75.4

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

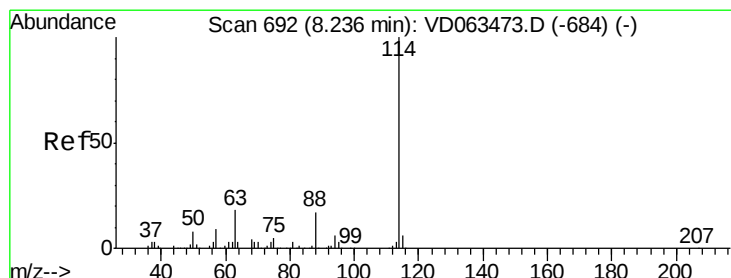
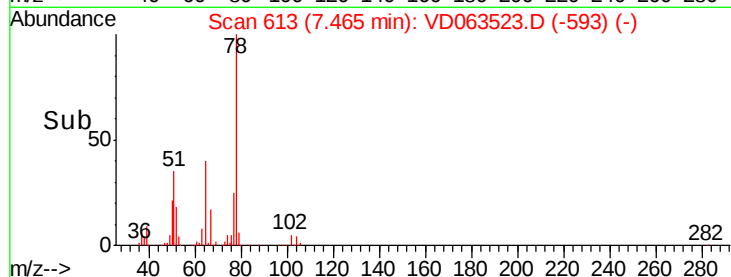
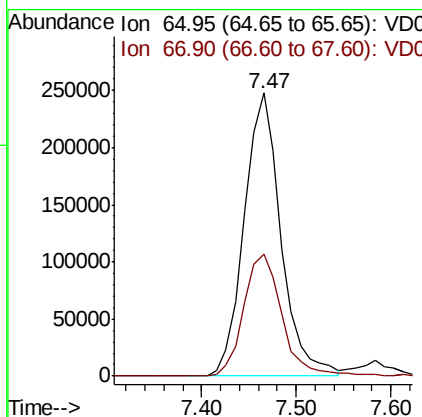
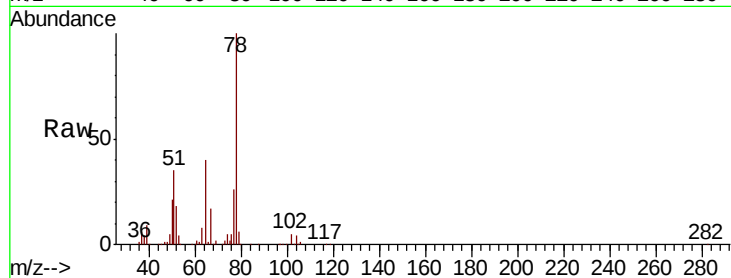




#33
 1,2-Dichloroethane-d4
 Concen: 49.437 ug/l
 RT: 7.47 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

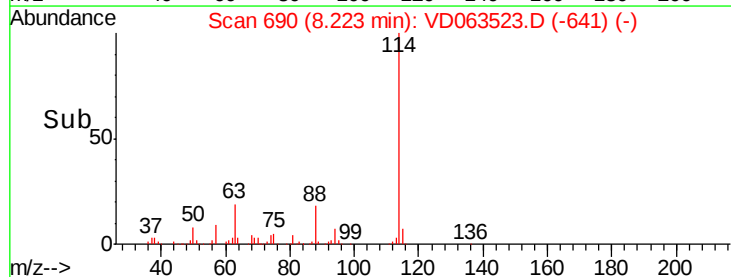
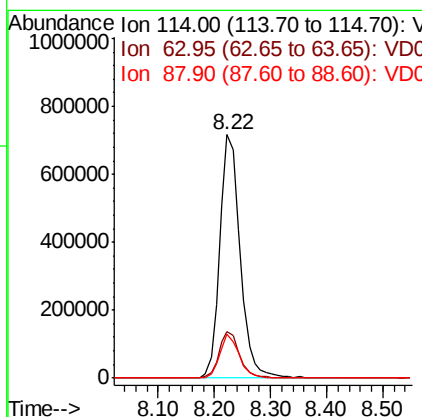
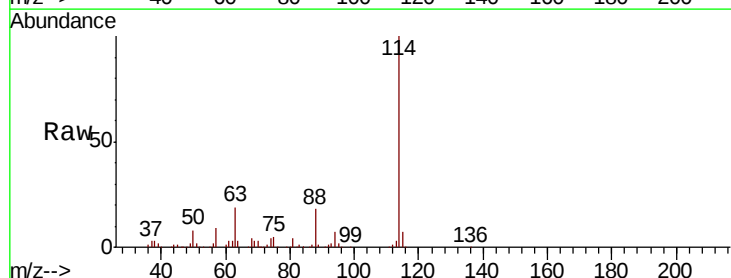
Instrument :
 MSVOA_D
 ClientSampled :

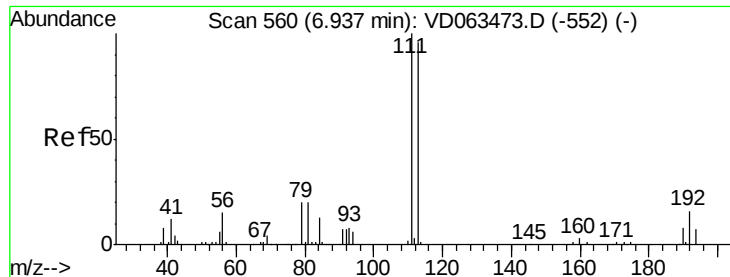
Tot Ion: 65 Resp: 668891
 Ion Ratio Lower Upper
 65 100
 67 43.0 0.0 89.2



#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

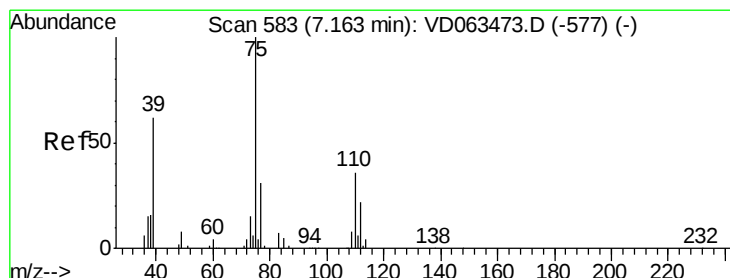
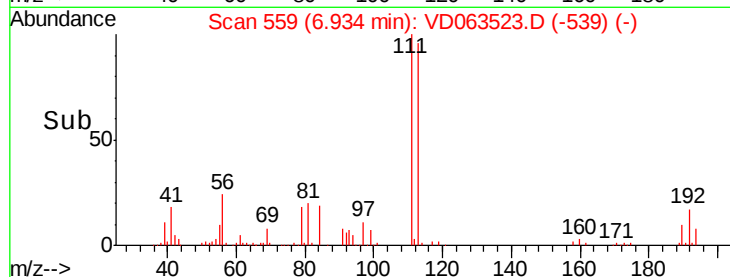
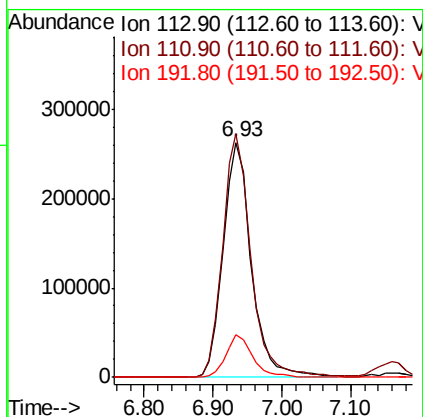
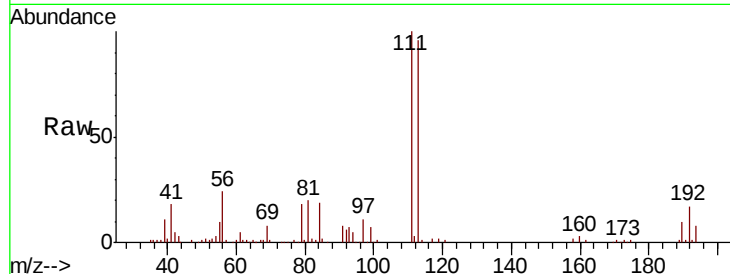




#35
 Dibromofluoromethane
 Concen: 48.662 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

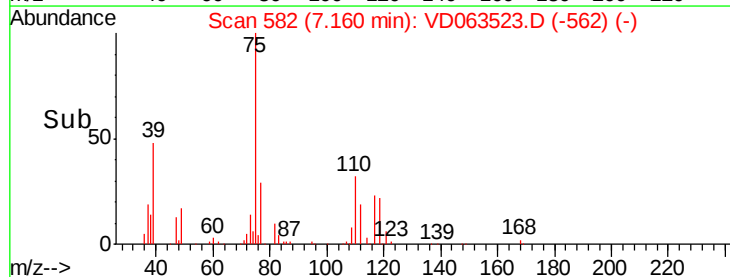
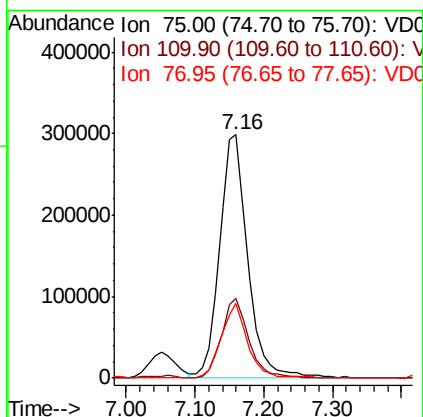
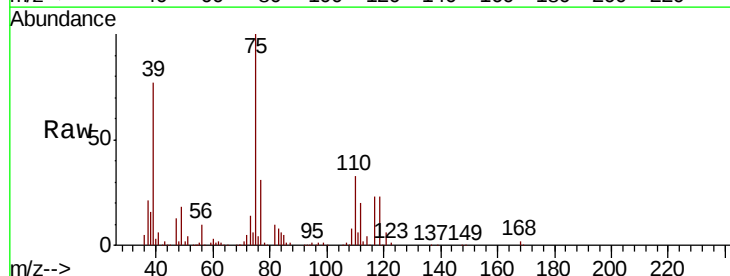
Instrument :
 MSVOA_D
 ClientSampleId :

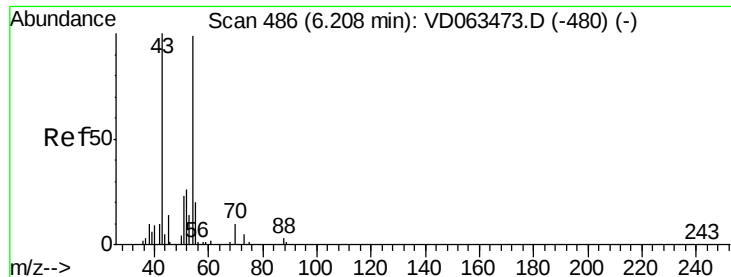
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.1	124.7
192	18.2	13.1	19.7



#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	Ratio	Lower	Upper
75	100		
110	32.6	17.6	52.8
77	30.6	24.3	36.5

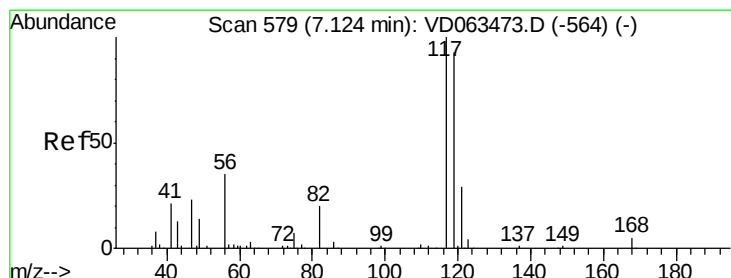
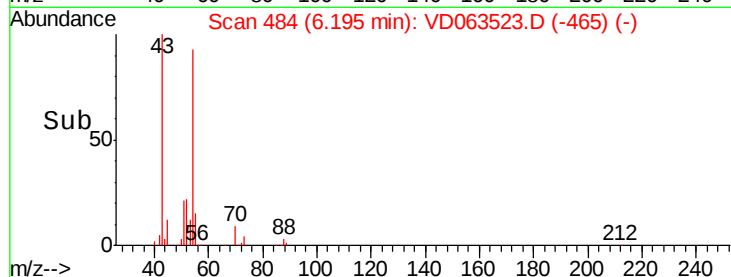
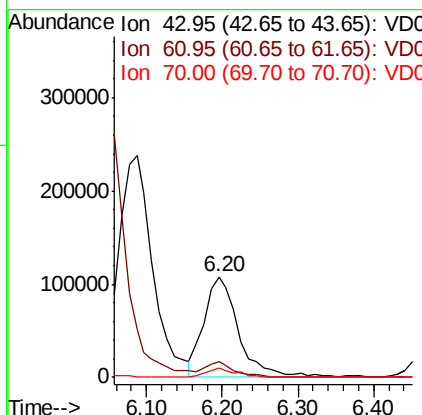
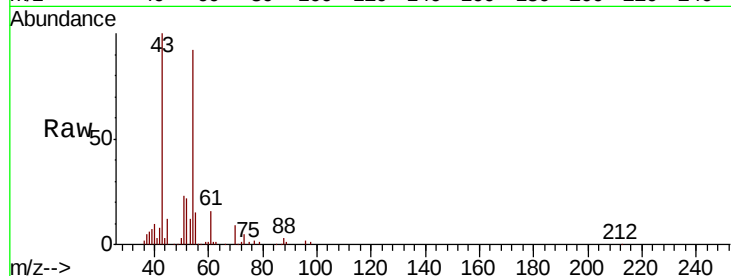




#37
Ethyl Acetate
Concen: 49.461 ug/l
RT: 6.20 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

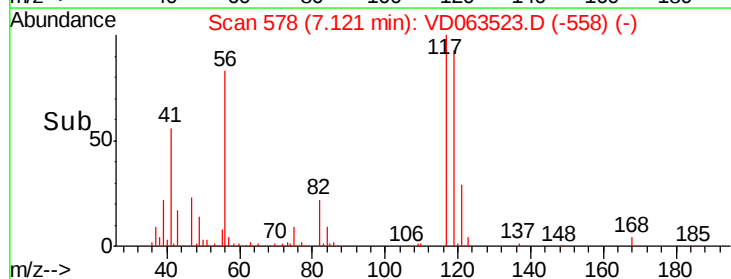
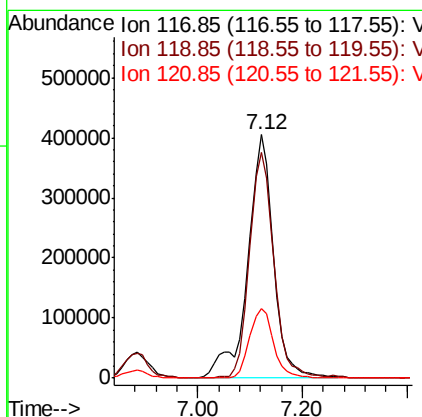
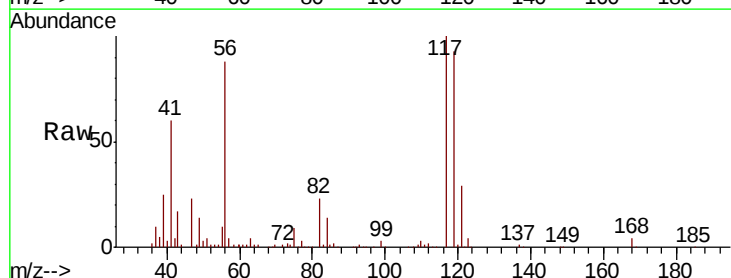
Instrument :
MSVOA_D
ClientSampleId :

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

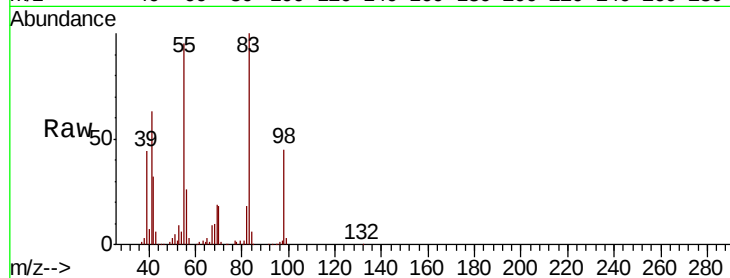




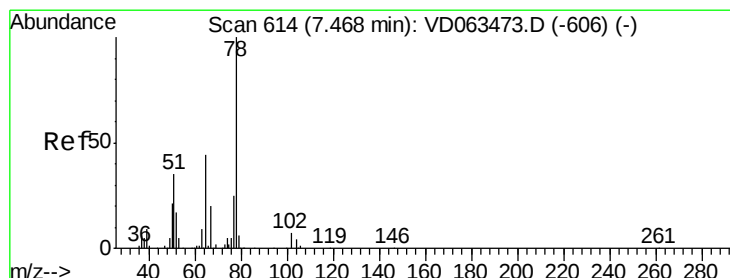
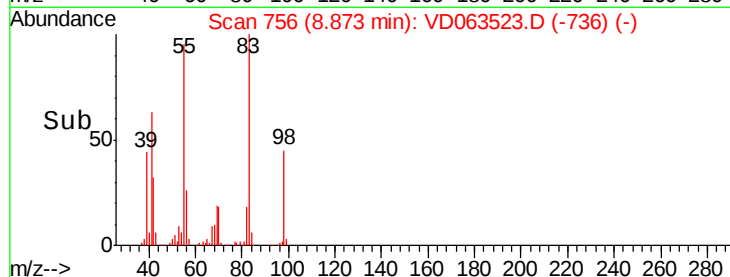
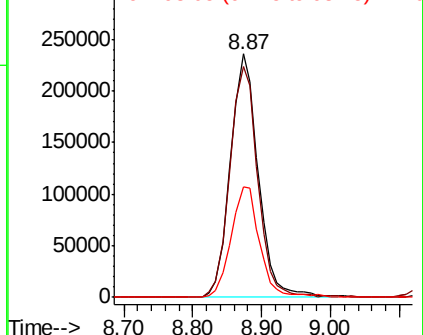
#39
Methylcyclohexane
Concen: 48.169 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :

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

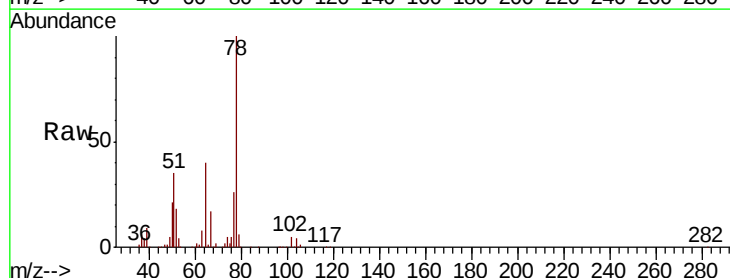


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

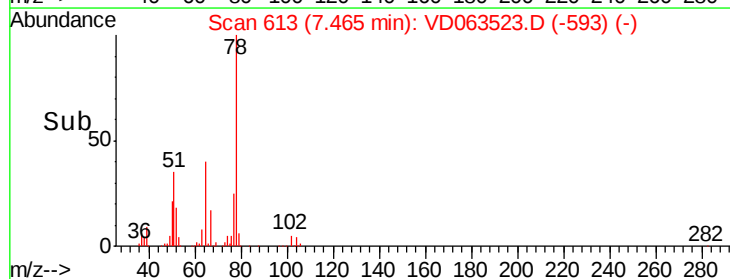
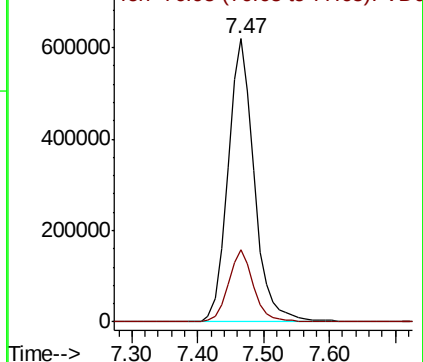


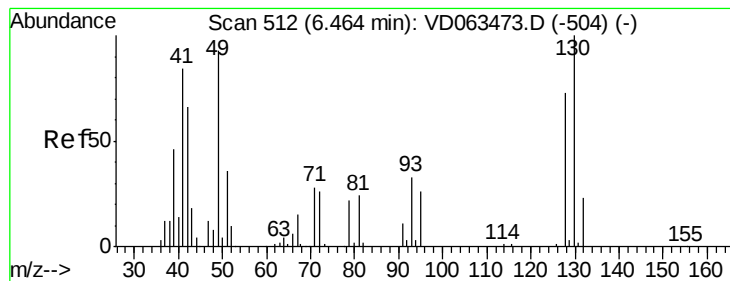
#40
Benzene
Concen: 48.722 ug/l
RT: 7.47 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

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



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





#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 :

Tot Ion: 41 Resp: 440132

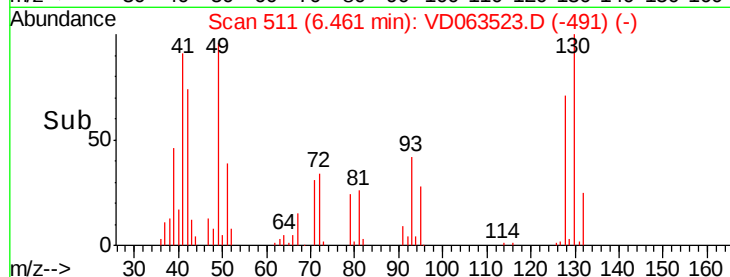
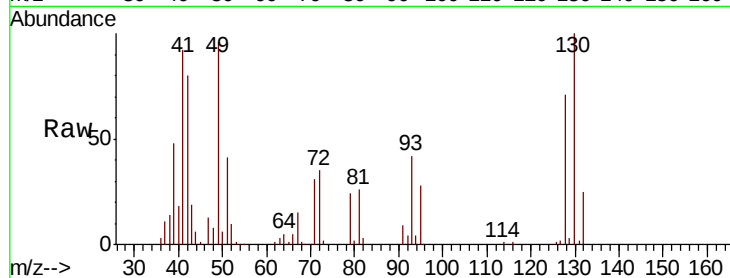
Ion Ratio Lower Upper

41 100

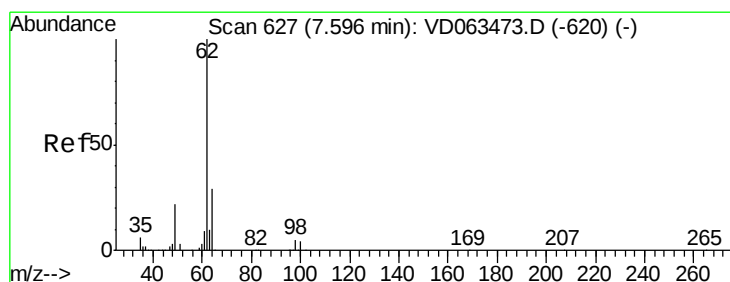
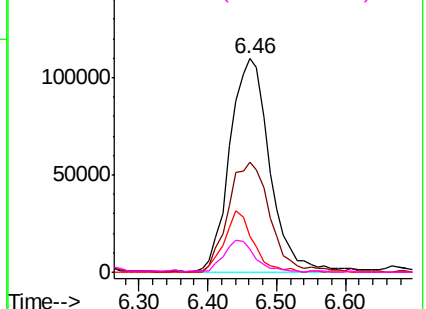
39 51.8 44.6 66.8

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

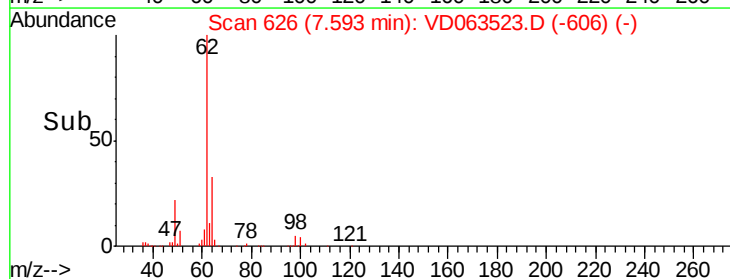
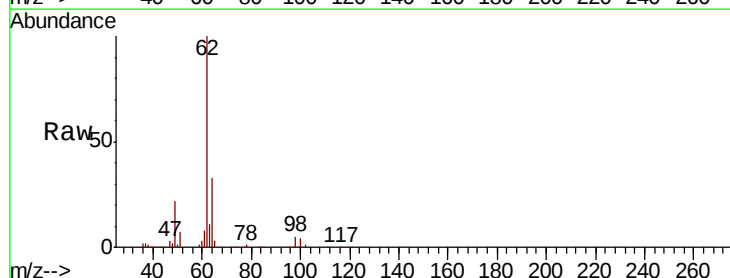
Acq: 13 Aug 2019 13:10

Tgt Ion: 62 Resp: 854511

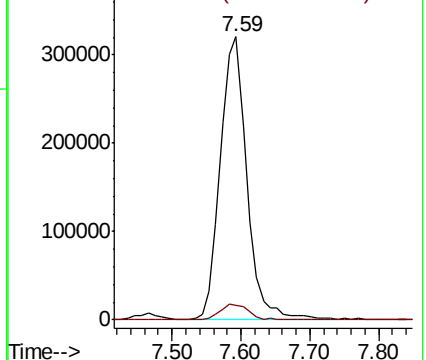
Ion Ratio Lower Upper

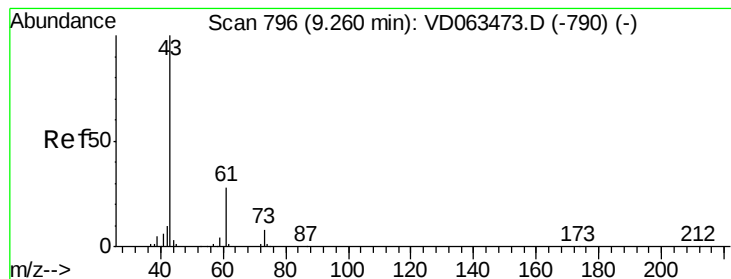
62 100

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



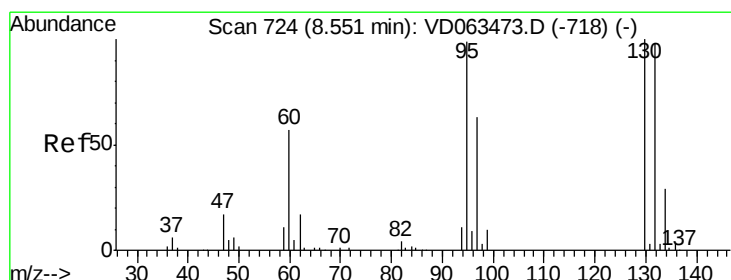
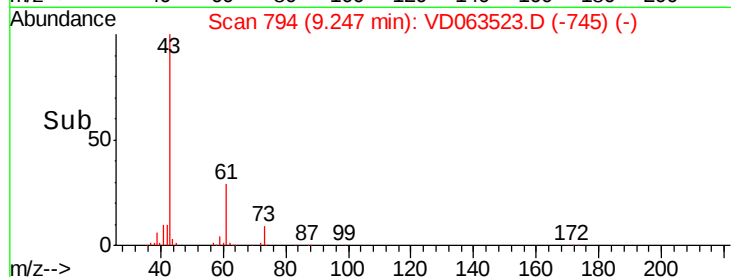
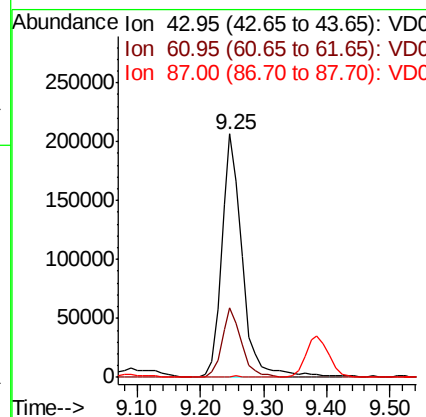
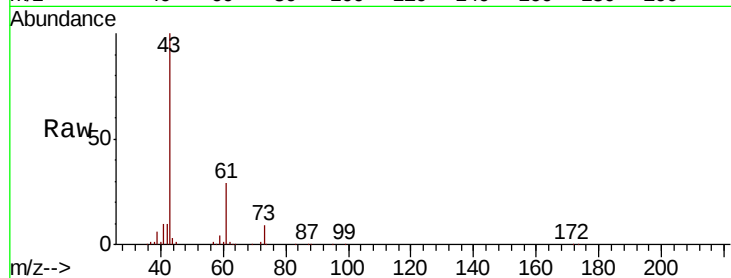


#43

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 :

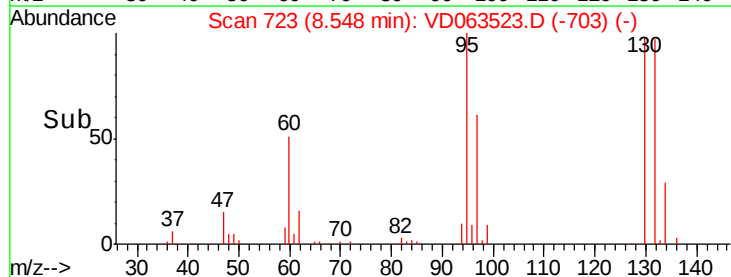
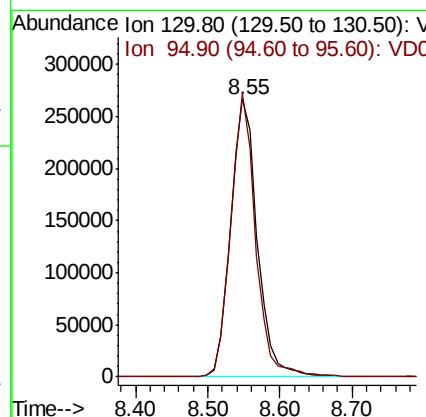
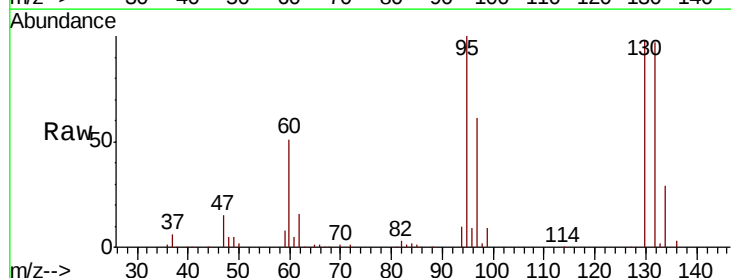
Tot Ion: 43 Resp: 473782
 Ion Ratio Lower Upper
 43 100
 61 28.6 22.2 33.2
 87 0.2 0.2 0.4#

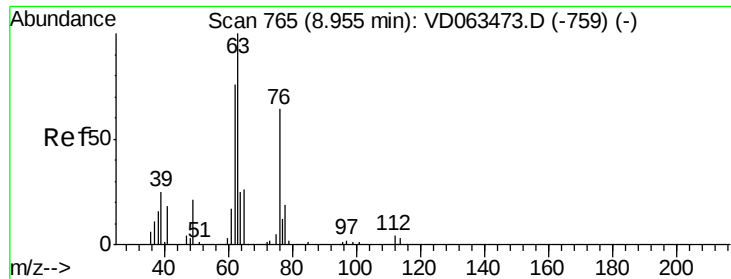


#44

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





#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

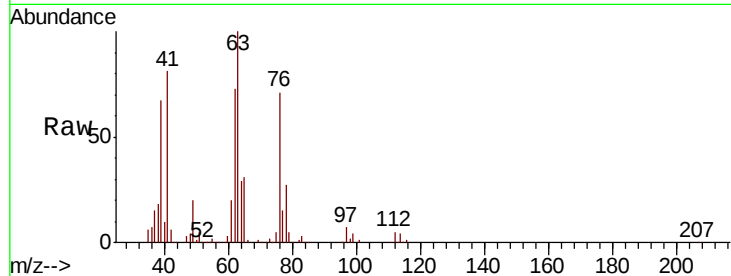
ClientSampleId :

Tot Ion: 63 Resp: 422702

Ion Ratio Lower Upper

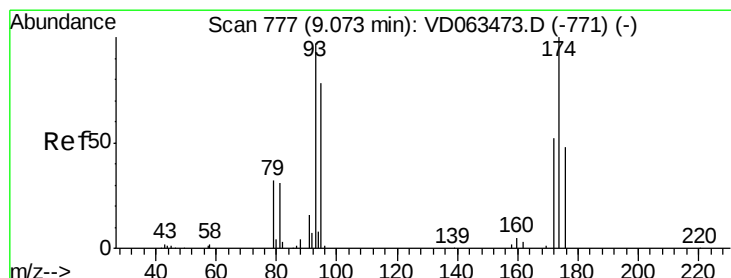
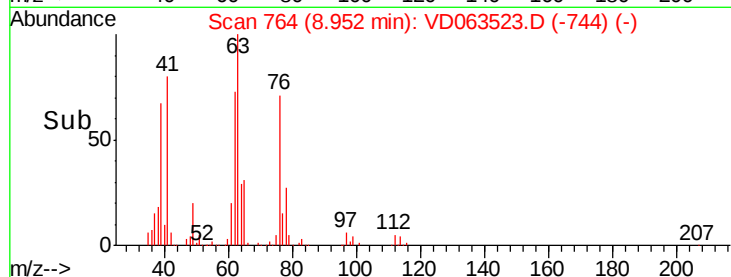
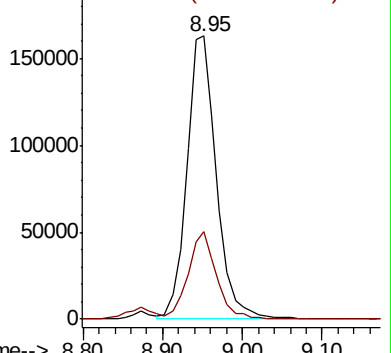
63 100

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



#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

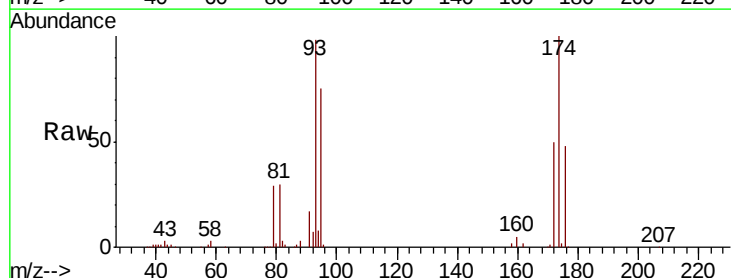
Tgt Ion: 93 Resp: 361830

Ion Ratio Lower Upper

93 100

95 76.7 64.2 96.2

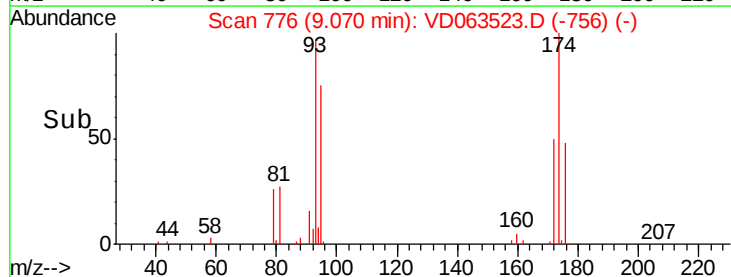
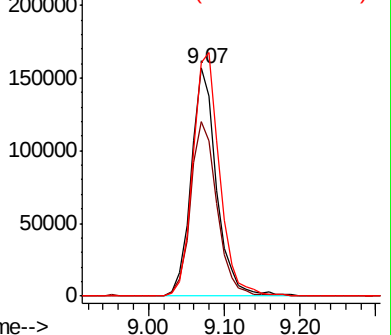
174 102.5 82.1 123.1

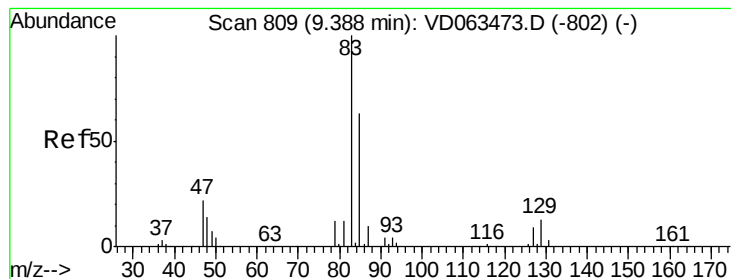


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#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 :

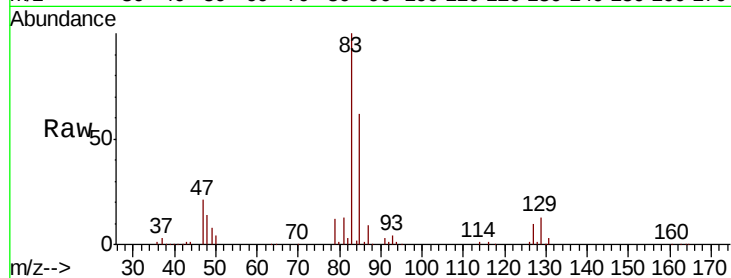
Tot Ion: 83 Resp: 914040

Ion Ratio Lower Upper

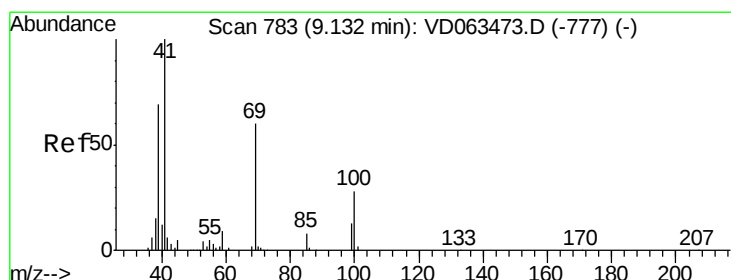
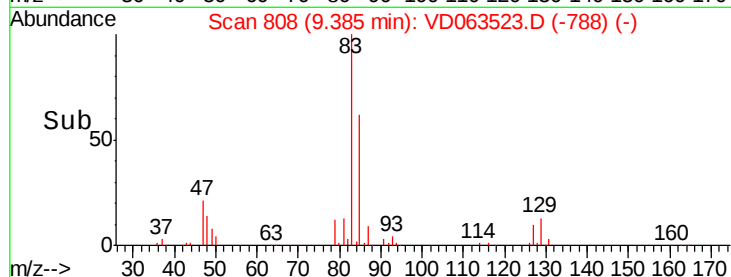
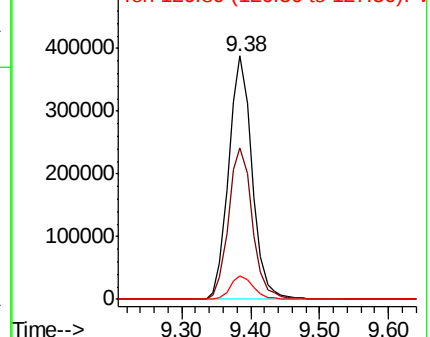
83 100

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

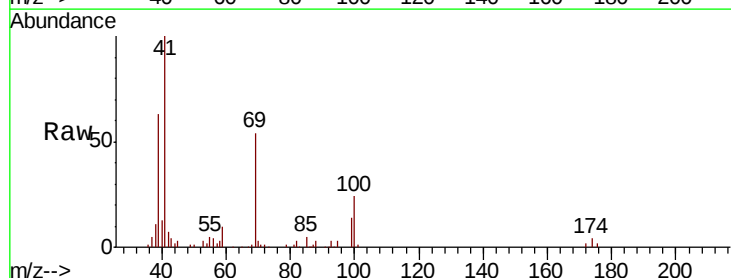
Tgt Ion: 41 Resp: 321874

Ion Ratio Lower Upper

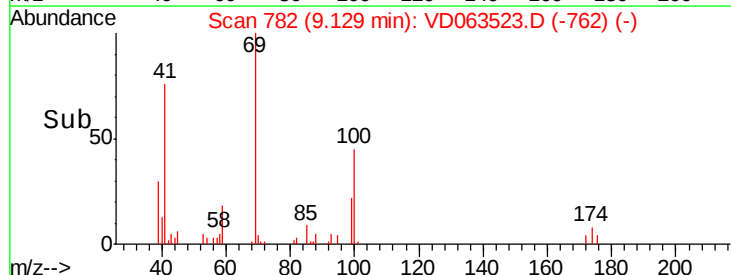
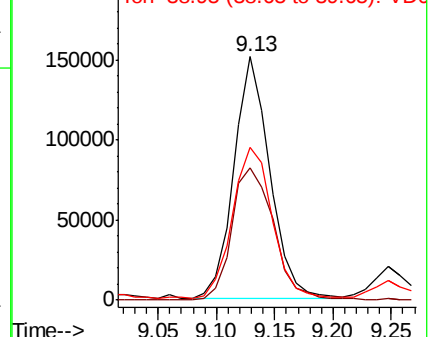
41 100

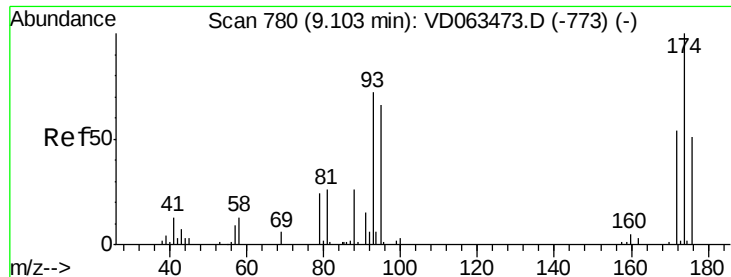
69 54.2 47.6 71.4

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

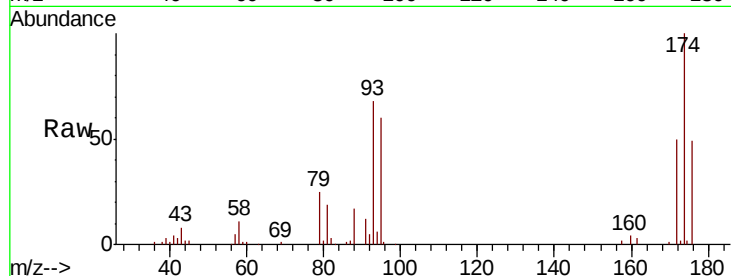




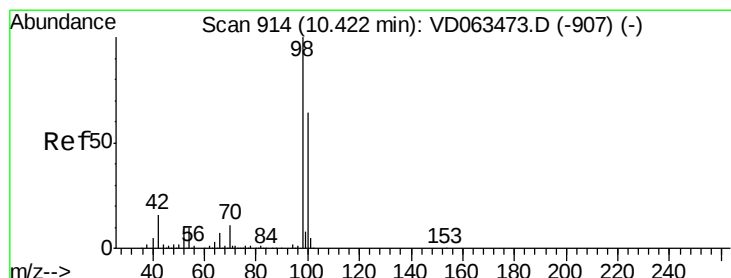
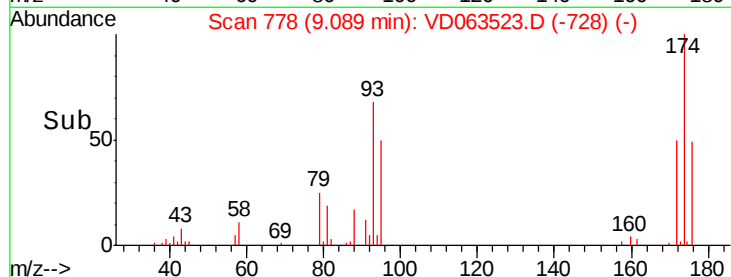
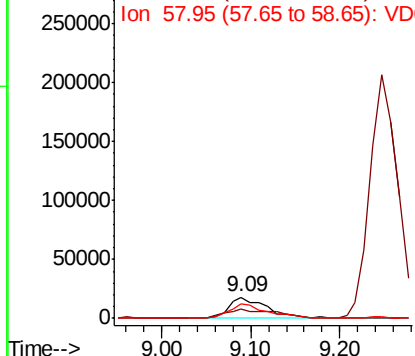
#49
1,4-Dioxane
Concen: 987.993 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :

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#

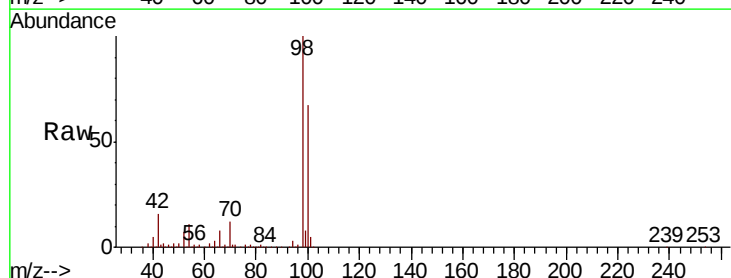


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

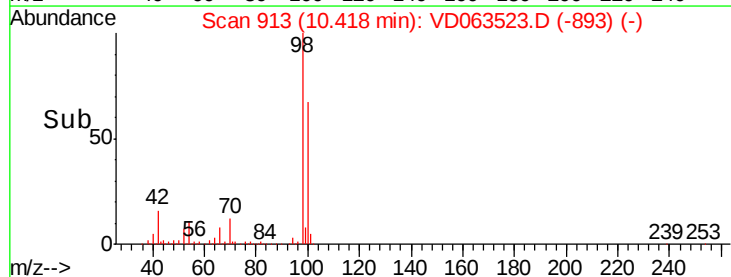
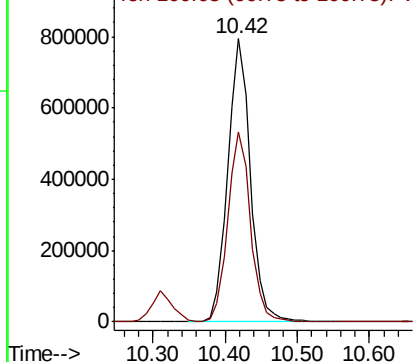


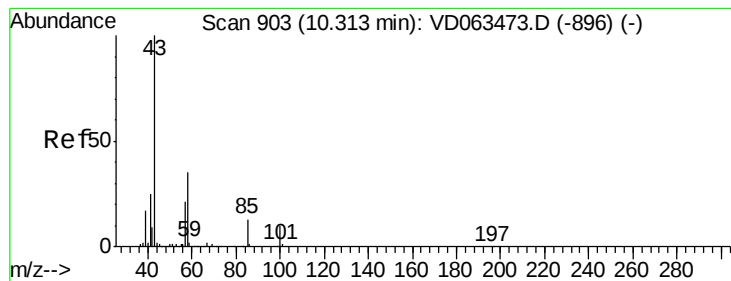
#50
Toluene-d8
Concen: 51.532 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

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

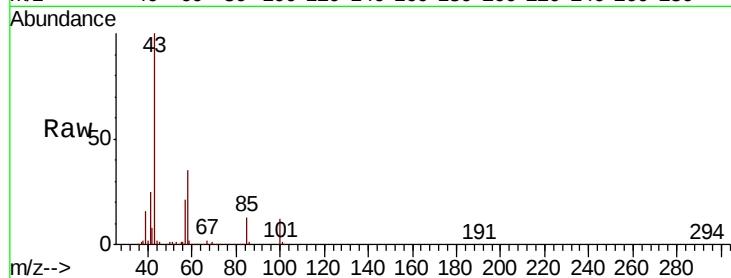
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1617079

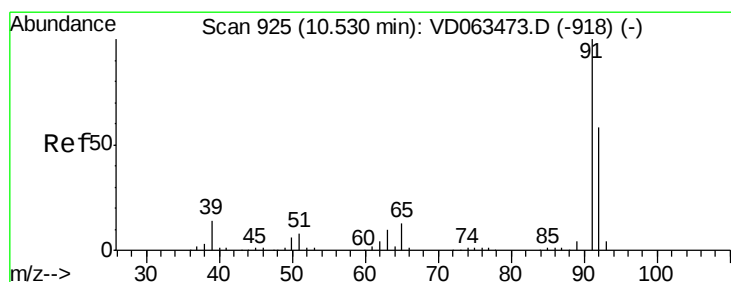
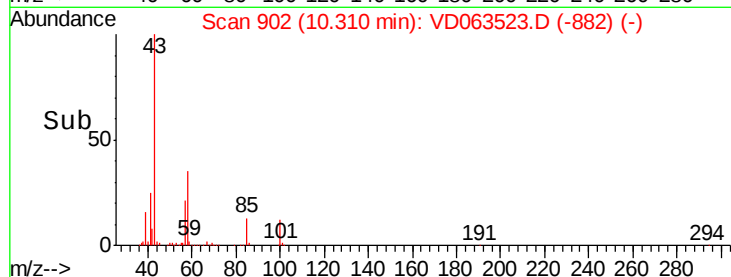
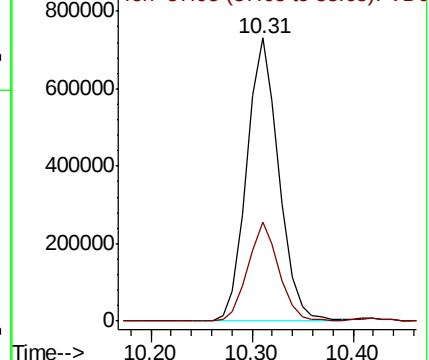
Ion Ratio Lower Upper

43 100

58 34.9 28.0 42.0



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



#52

Toluene

Concen: 50.646 ug/l

RT: 10.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD063523.D

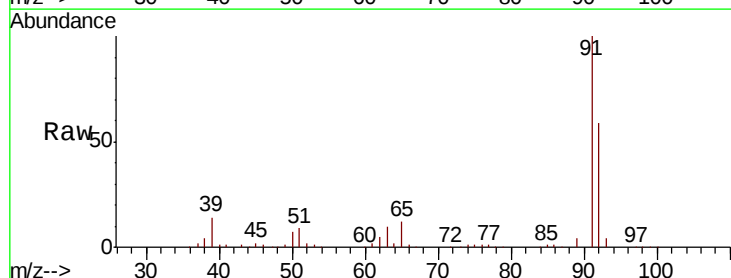
Acq: 13 Aug 2019 13:10

Tgt Ion: 92 Resp: 1157147

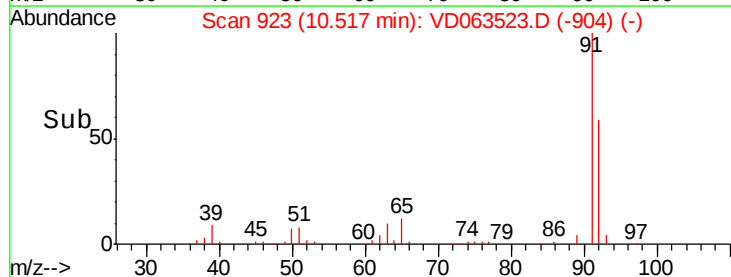
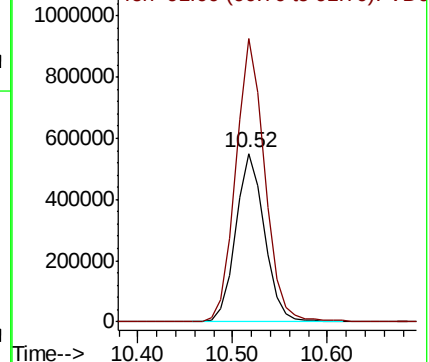
Ion Ratio Lower Upper

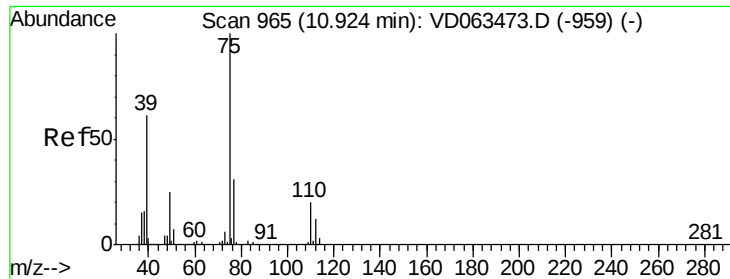
92 100

91 168.2 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

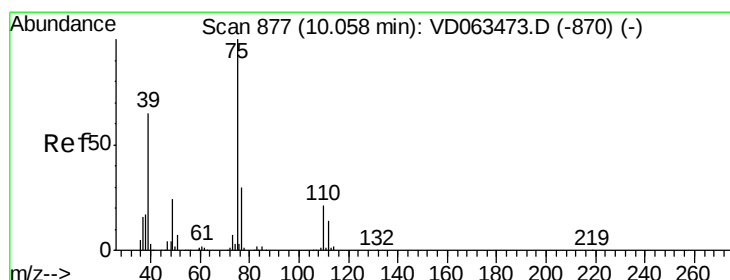
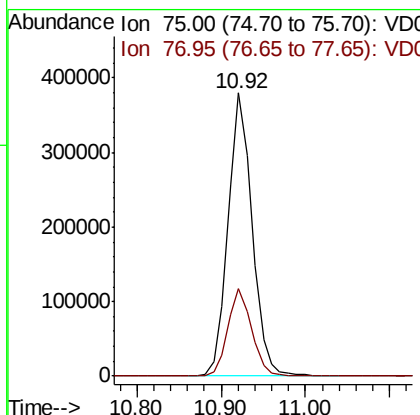
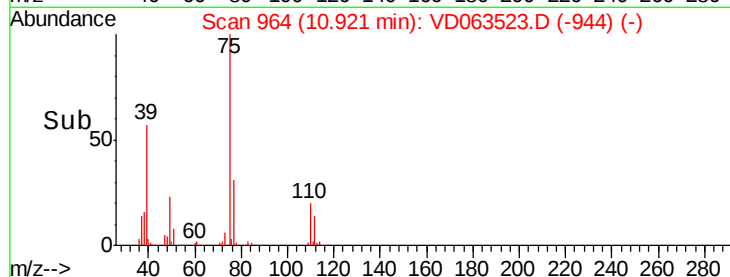
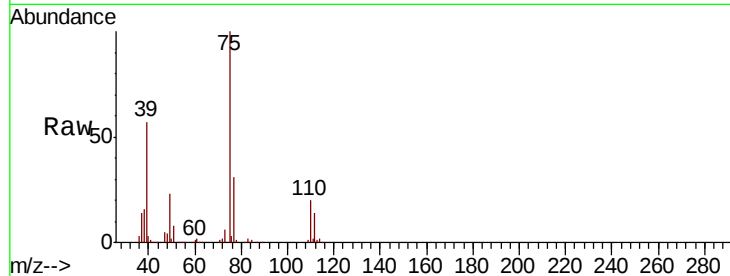




#53
 t-1,3-Dichloropropene
 Concen: 51.275 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

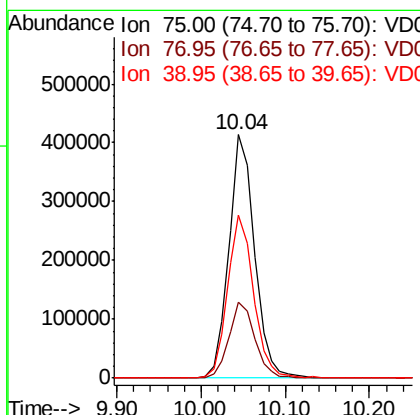
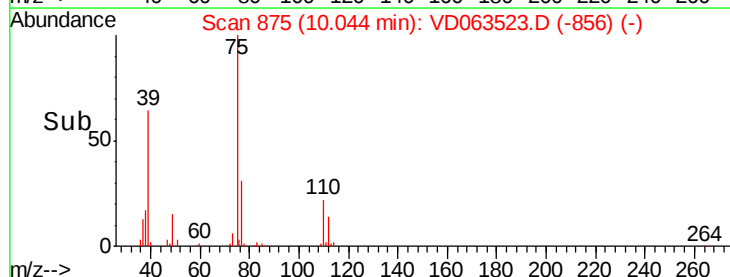
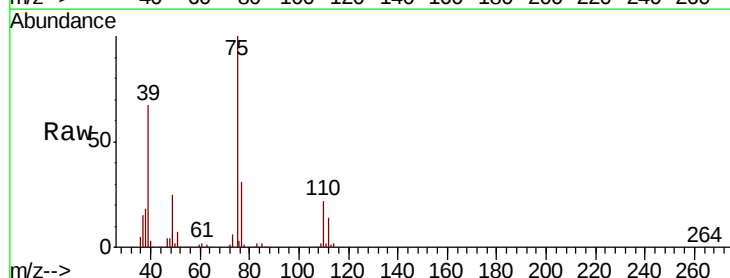
Instrument :
 MSVOA_D
 ClientSampleId :

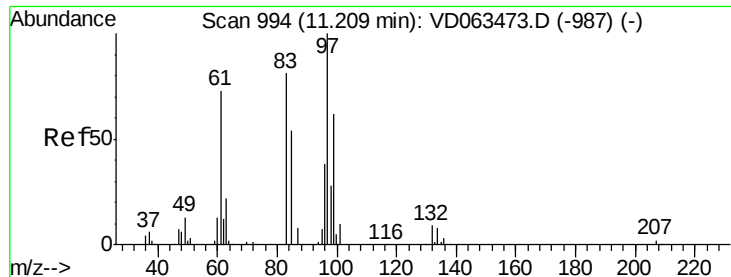
Tot Ion: 75 Resp: 757206
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.5 36.7



#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

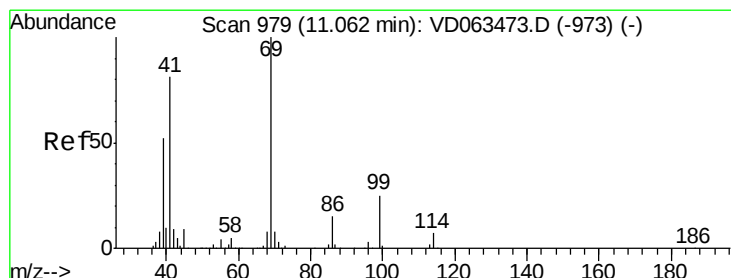
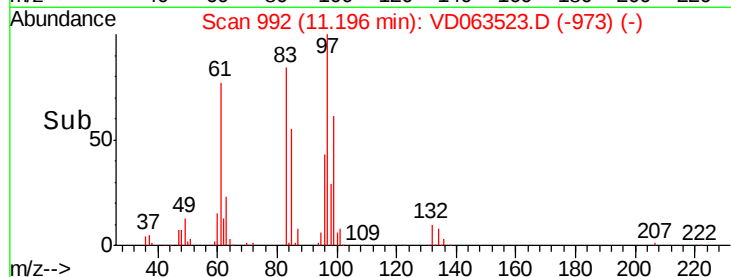
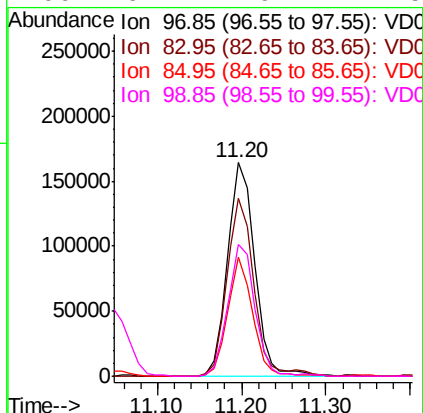
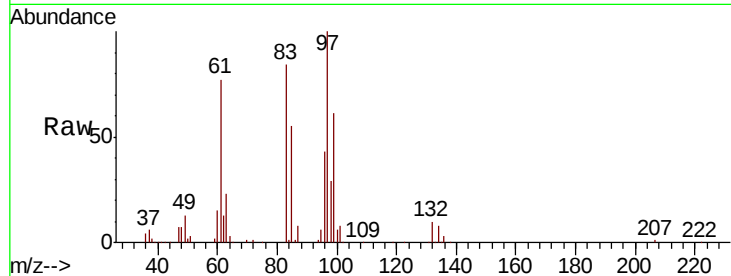




#55
 1,1,2-Trichloroethane
 Concen: 47.858 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

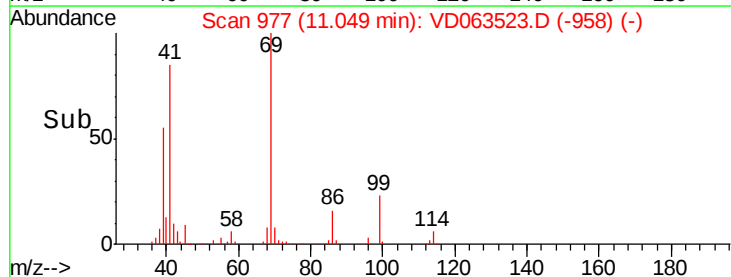
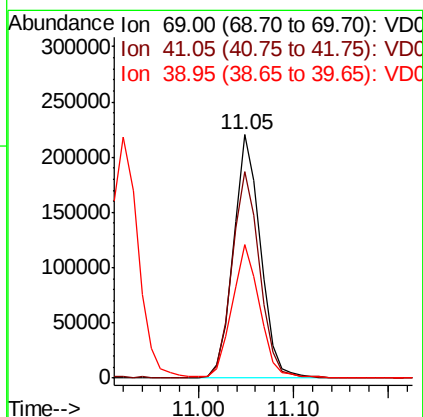
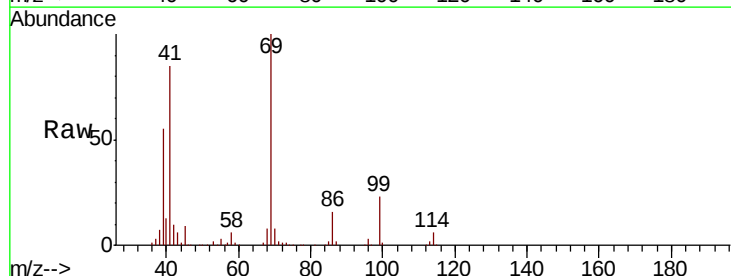
Instrument :
 MSVOA_D
 ClientSampled :

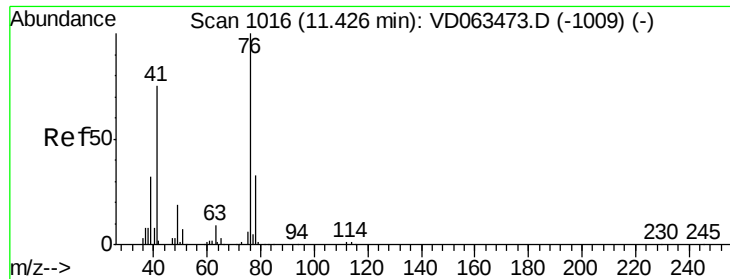
Tot Ion:	97	Resp:	369355
Ion	Ratio	Lower	Upper
97	100		
83	83.5	64.7	97.1
85	55.5	42.9	64.3
99	61.4	49.7	74.5



#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





#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

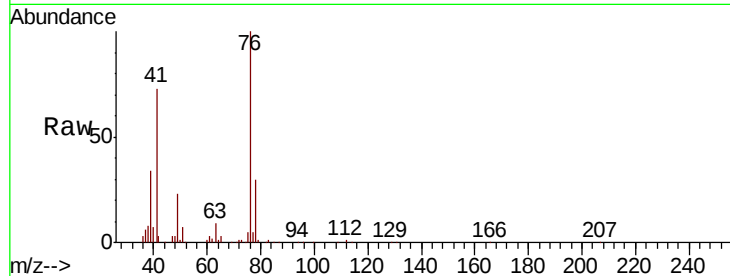
ClientSampleId :

Tot Ion: 76 Resp: 613900

Ion Ratio Lower Upper

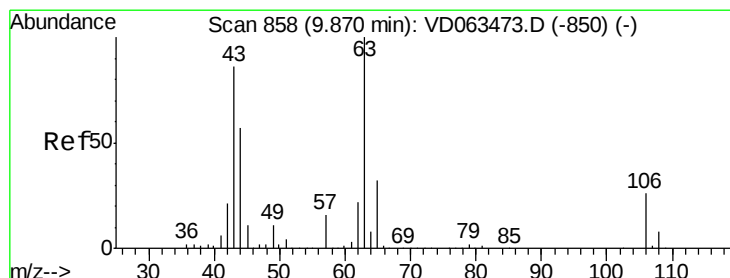
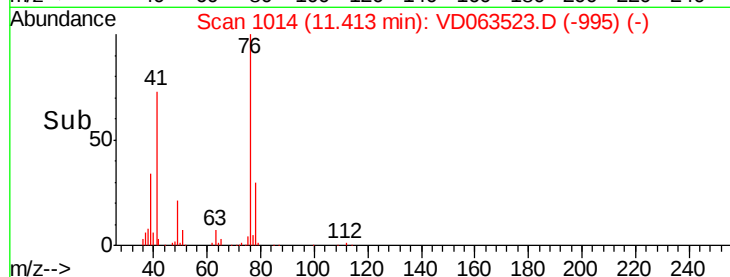
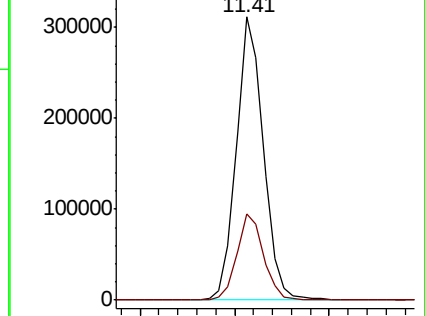
76 100

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

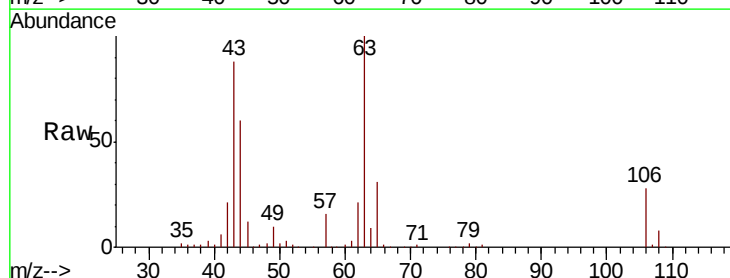
Acq: 13 Aug 2019 13:10

Tgt Ion: 63 Resp: 1138594

Ion Ratio Lower Upper

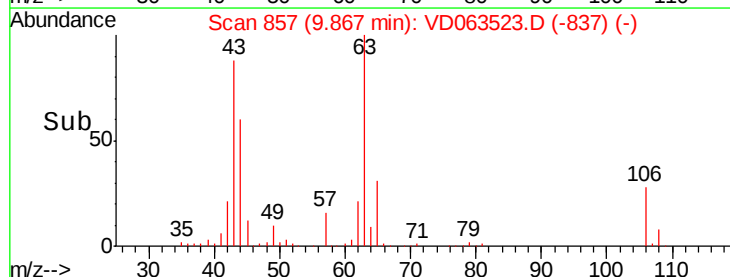
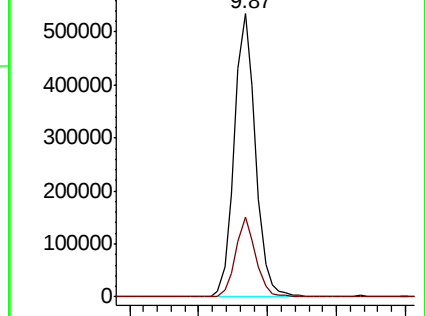
63 100

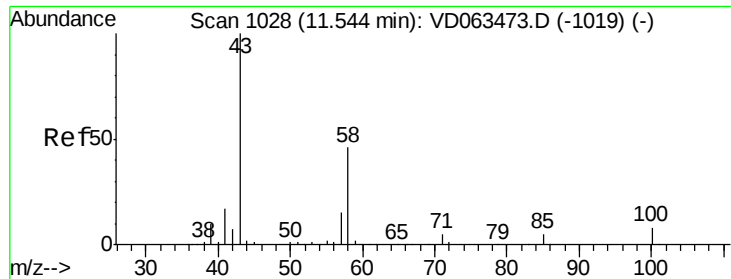
106 28.2 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

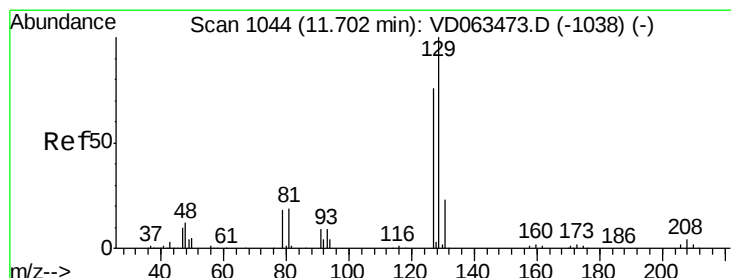
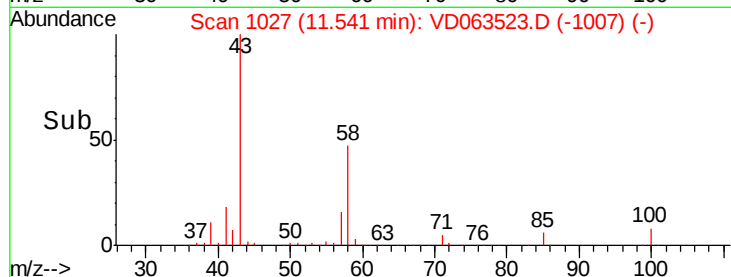
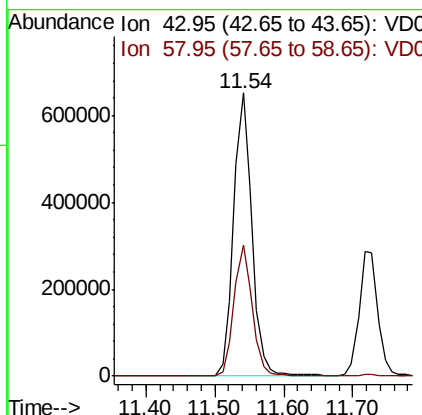
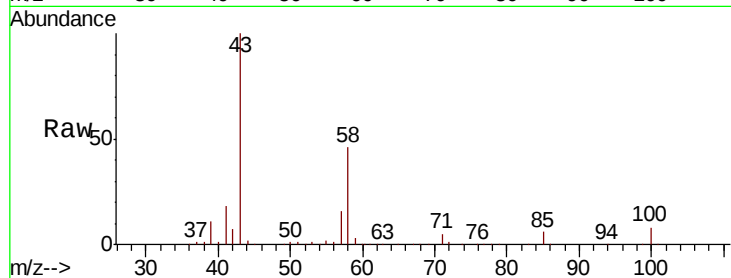




#59
2-Hexanone
Concen: 265.963 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

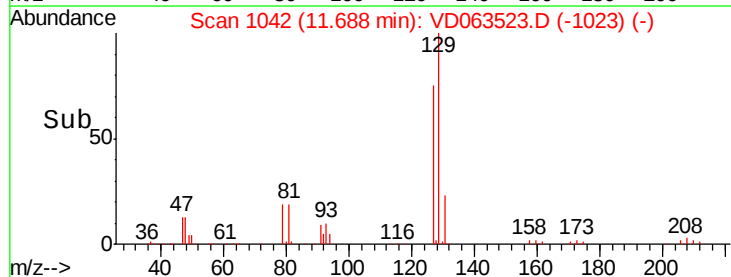
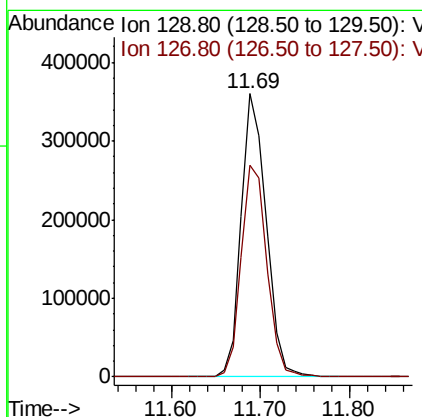
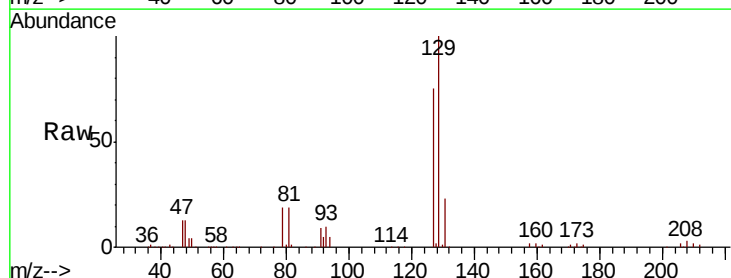
Instrument :
MSVOA_D
ClientSampleId :

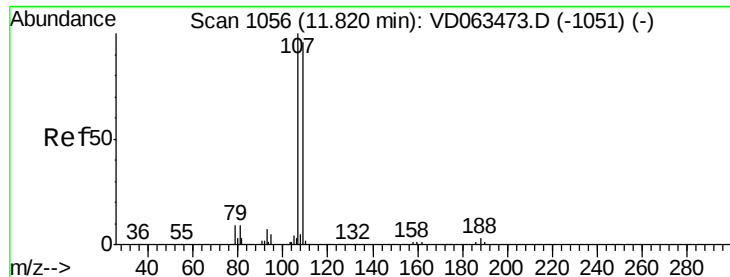
Tot Ion: 43 Resp: 1197922
Ion Ratio Lower Upper
43 100
58 46.5 23.1 69.2



#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

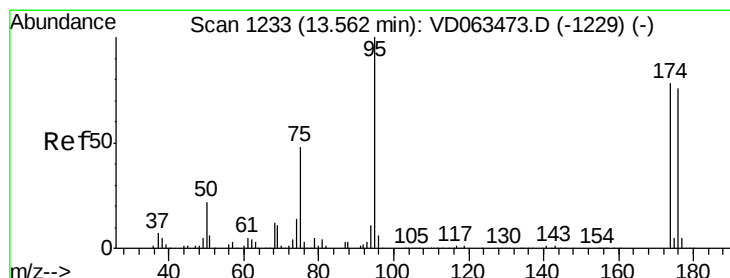
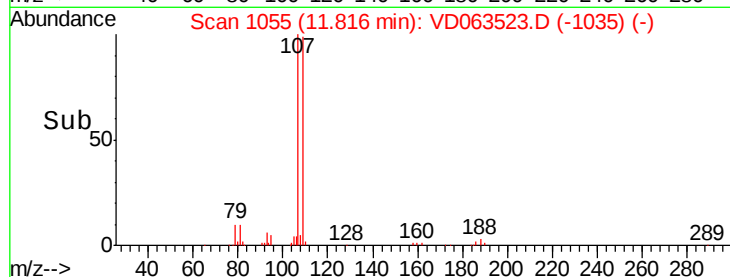
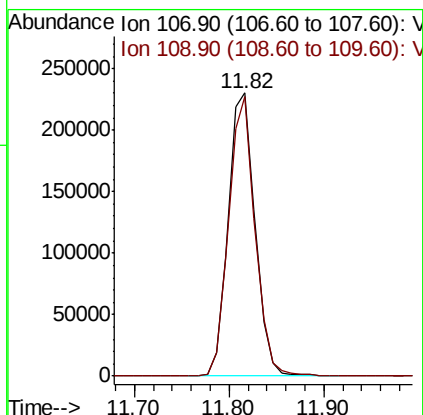
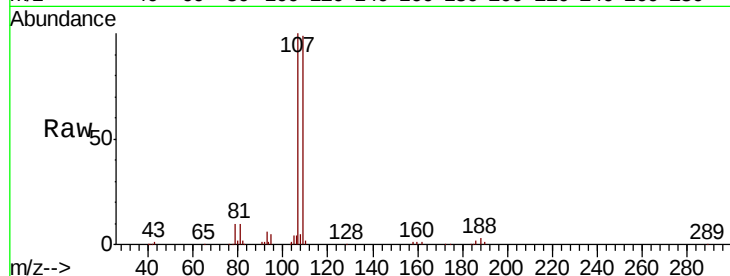




#61
 1,2-Dibromoethane
 Concen: 48.430 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

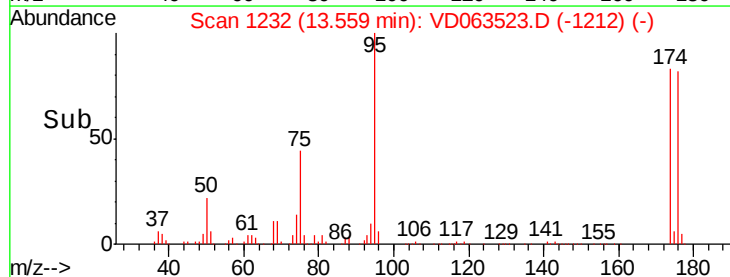
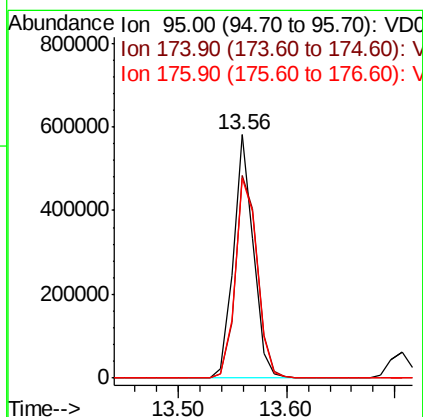
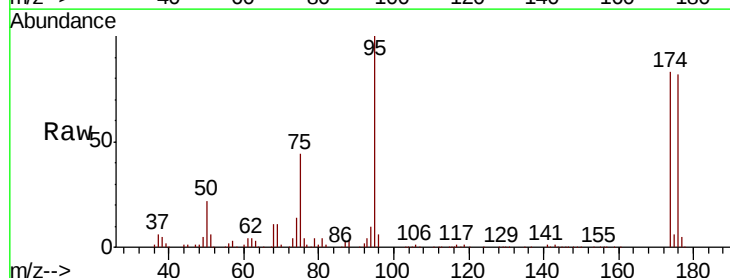
Instrument :
 MSVOA_D
 ClientSampled :

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

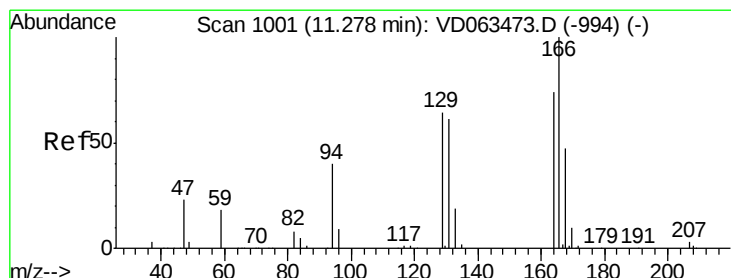
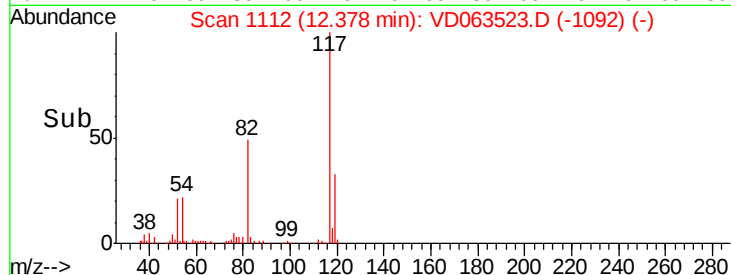
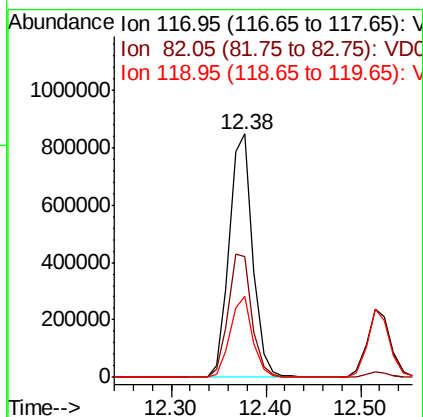
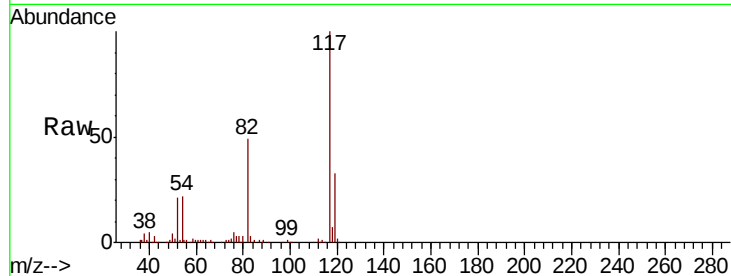




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

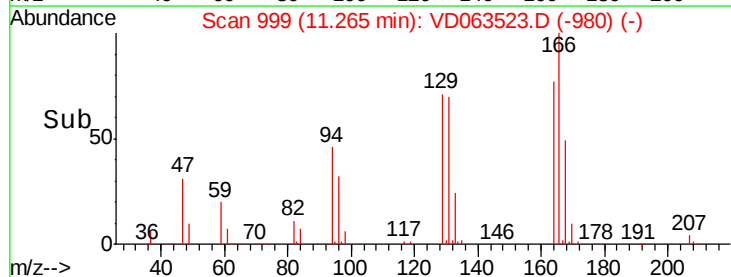
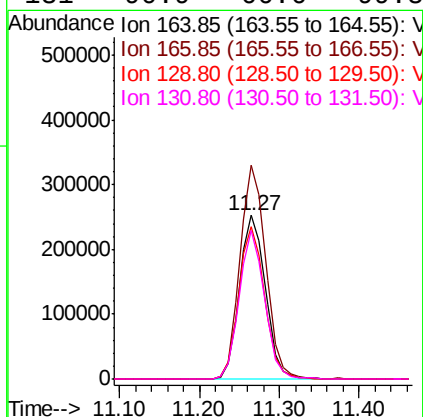
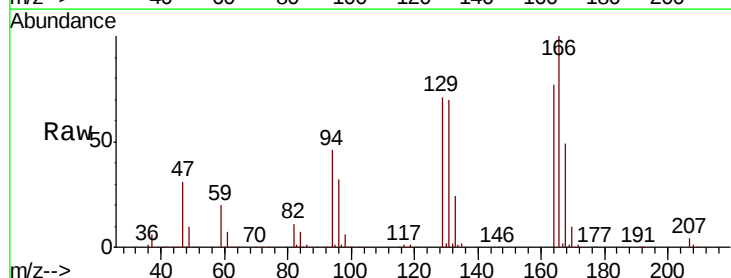
Instrument :
MSVOA_D
ClientSampled :

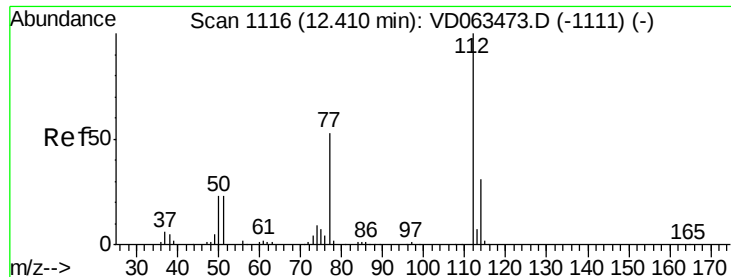
Tot Ion:117 Resp: 1455901
Ion Ratio Lower Upper
117 100
82 49.4 42.0 63.0
119 33.1 25.4 38.0



#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





#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

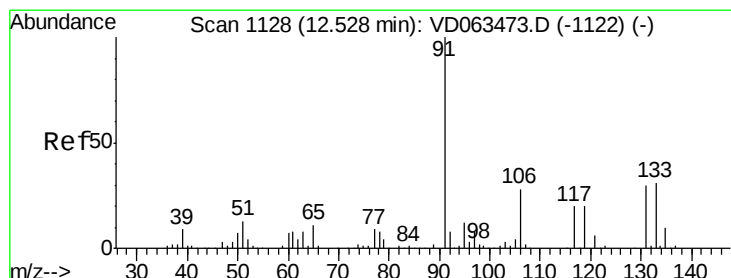
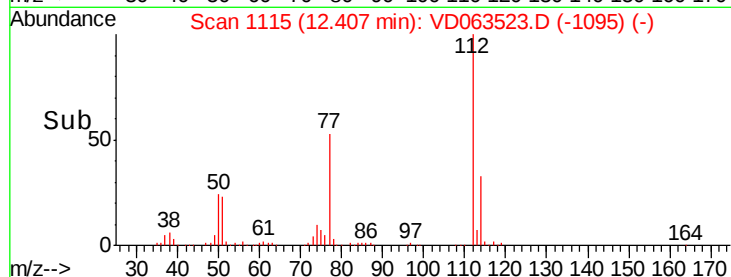
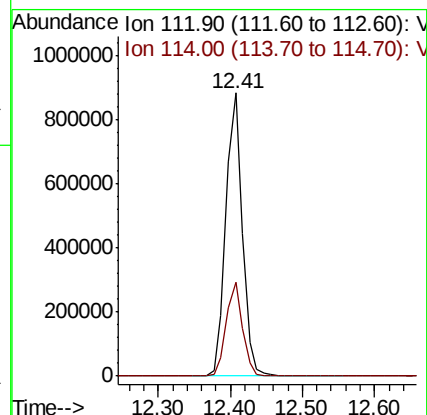
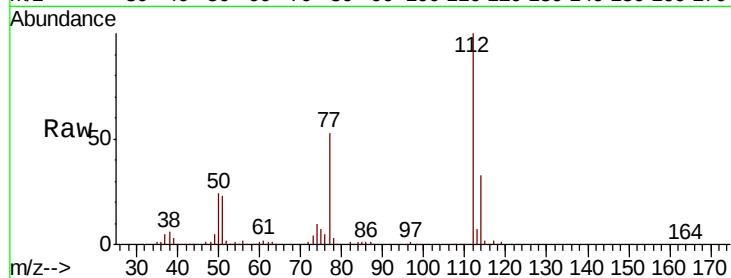
ClientSampled :

Tot Ion:112 Resp: 1397466

Ion Ratio Lower Upper

112 100

114 33.3 25.1 37.7



#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

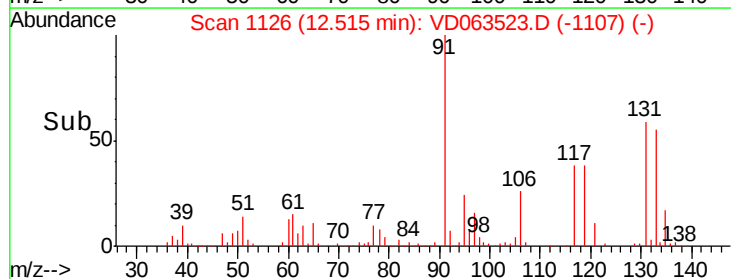
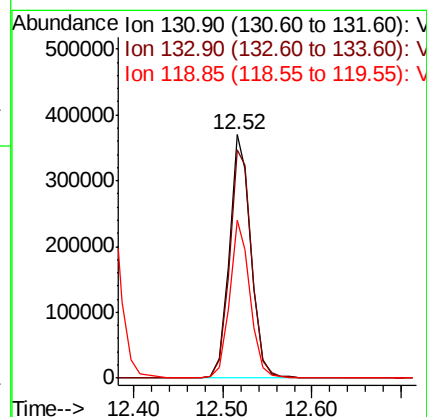
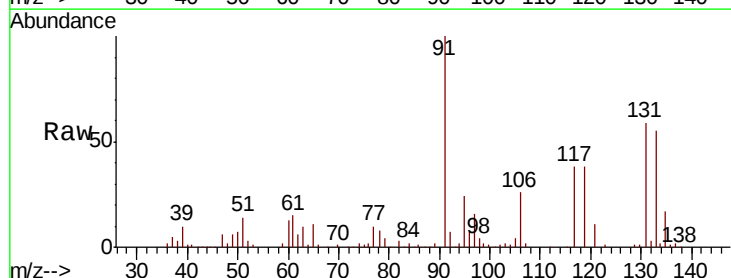
Tgt Ion:131 Resp: 628538

Ion Ratio Lower Upper

131 100

133 93.5 51.1 153.3

119 64.7 33.1 99.3

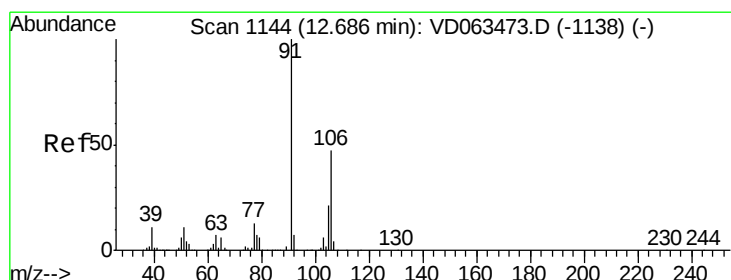
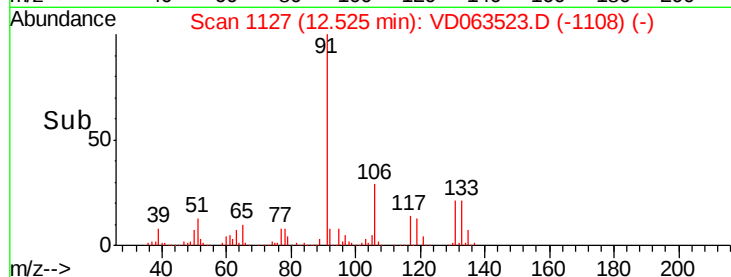
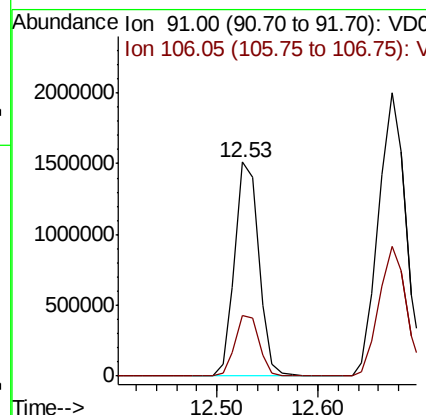
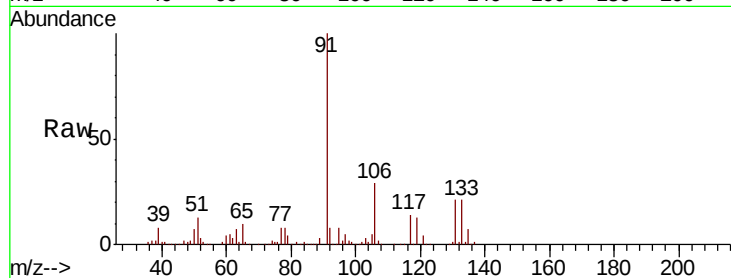




#67
Ethyl Benzene
Concen: 53.143 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

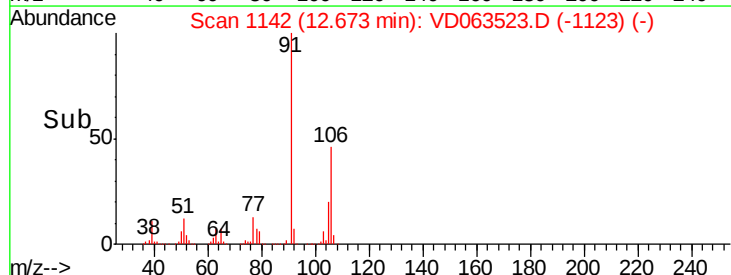
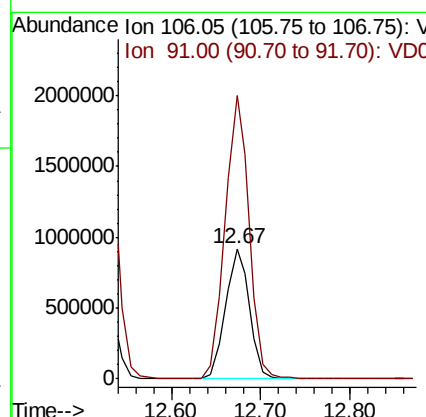
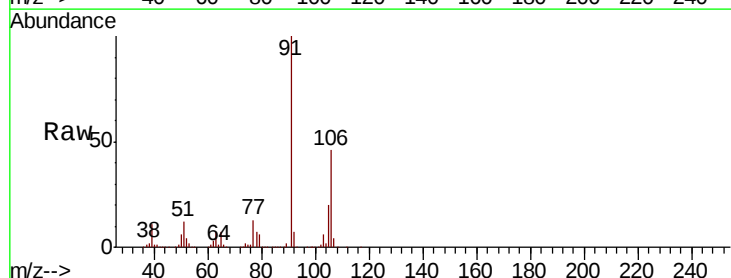
Instrument :
MSVOA_D
ClientSampled :

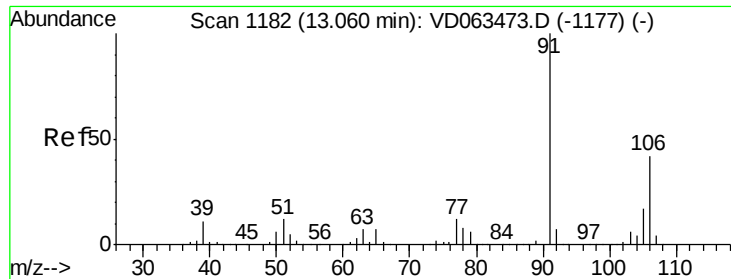
Tot Ion: 91 Resp: 2521411
Ion Ratio Lower Upper
91 100
106 28.6 23.1 34.7



#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

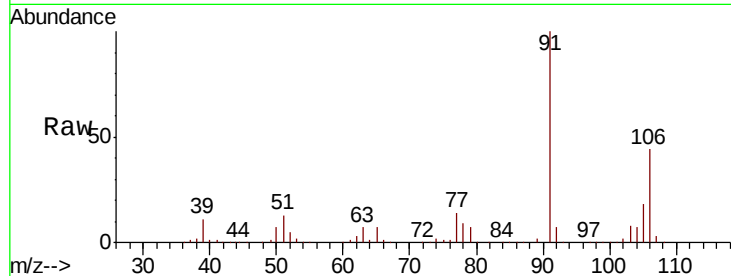




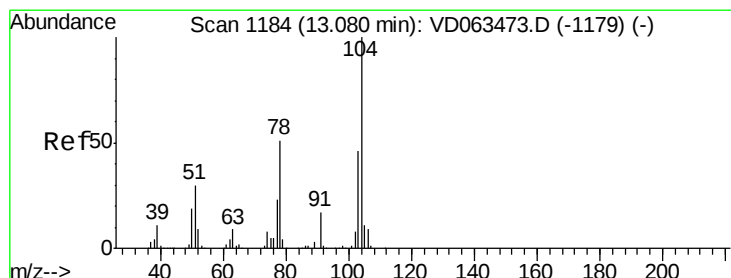
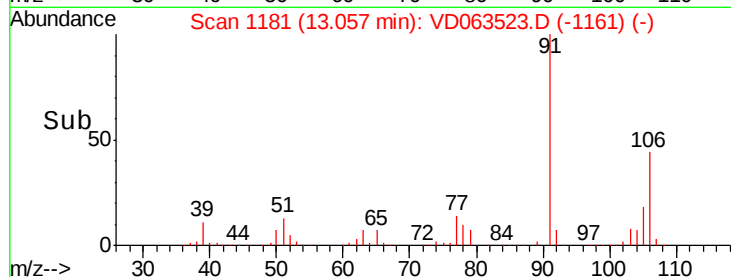
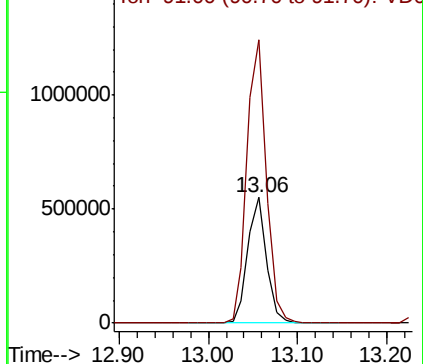
#69
o-Xylene
Concen: 49.777 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :

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

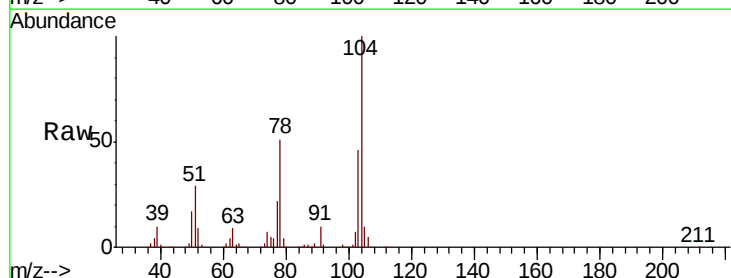


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

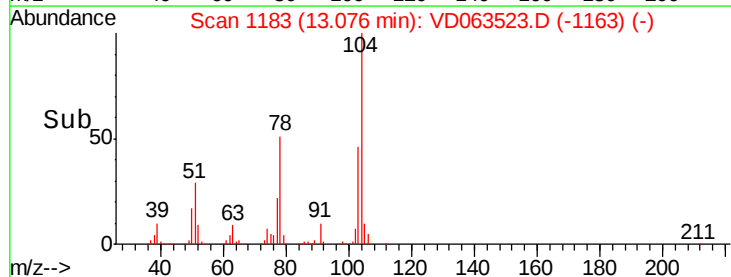
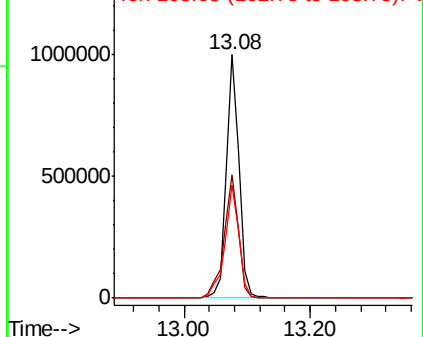


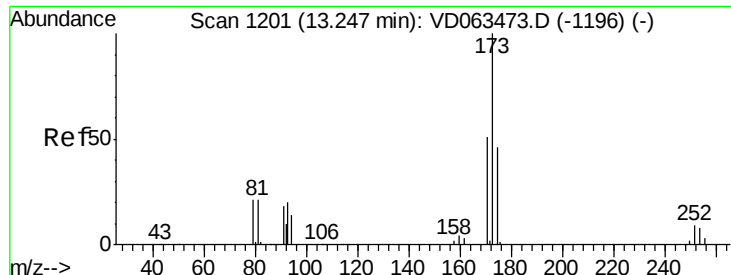
#70
Styrene
Concen: 48.783 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

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): V
Ion 103.05 (102.75 to 103.75): V

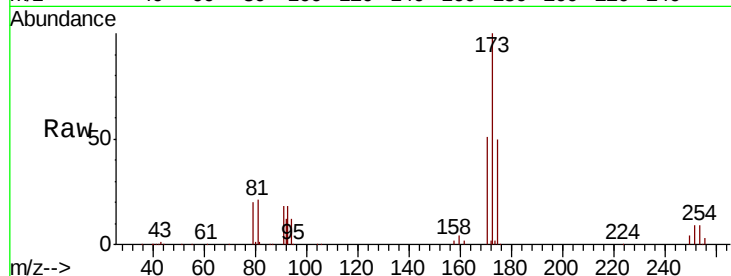




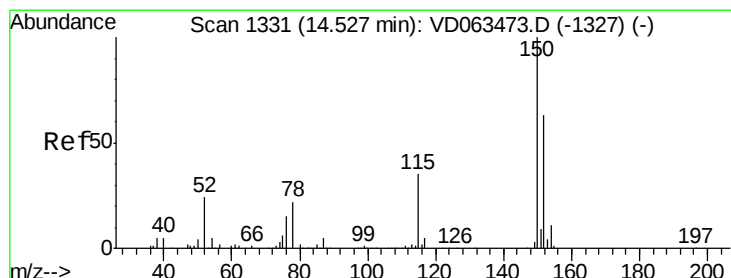
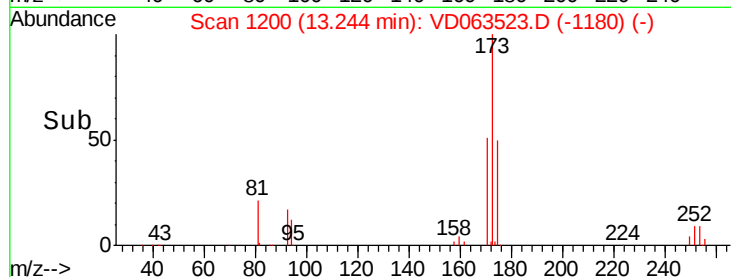
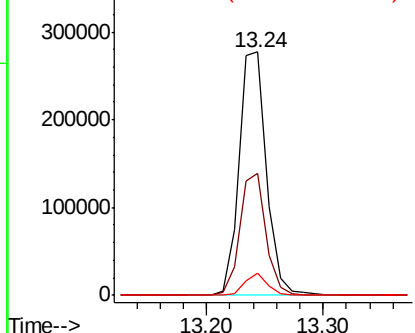
#71
Bromoform
Concen: 54.574 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Instrument :
MSVOA_D
ClientSampleId :

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

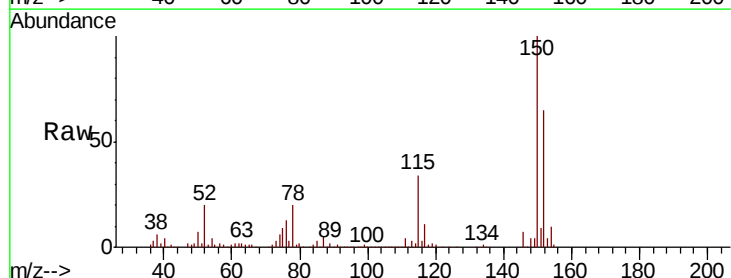


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

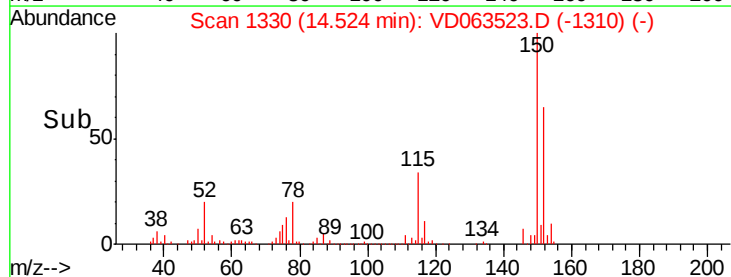
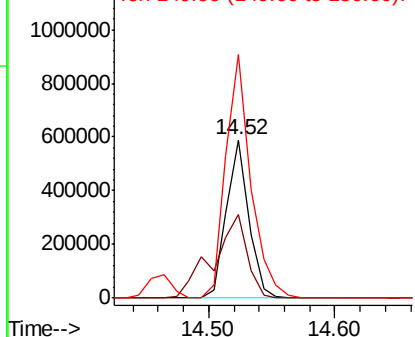


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

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

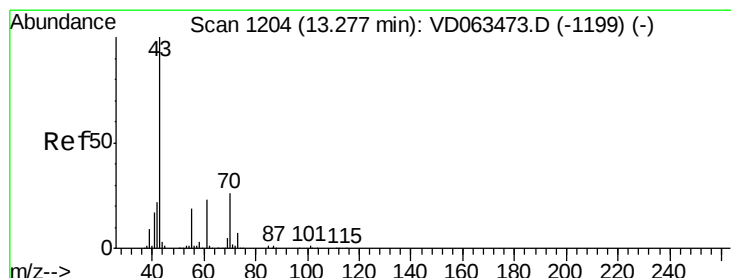
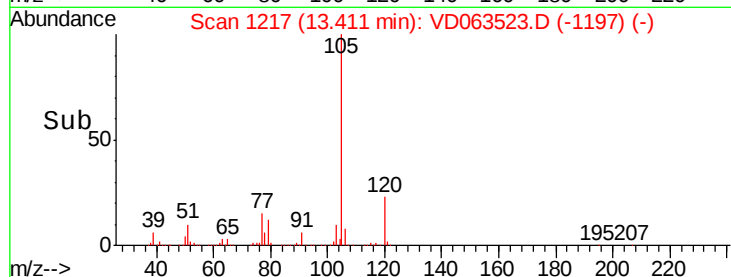
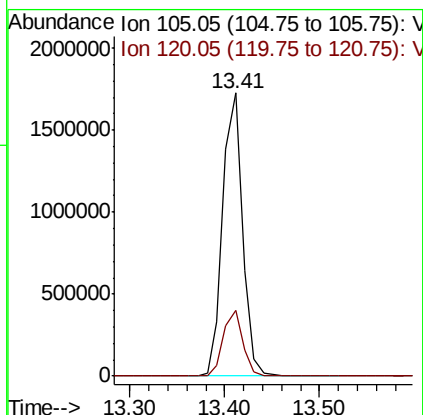
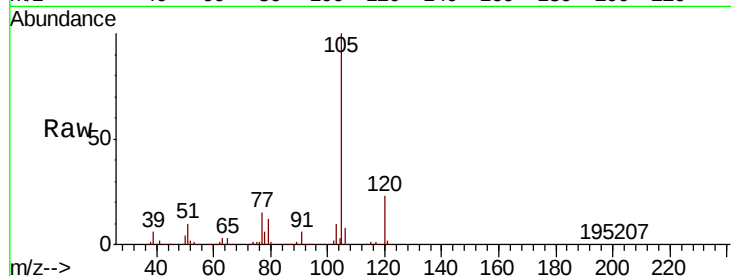




#73
Isopropylbenzene
Concen: 54.721 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

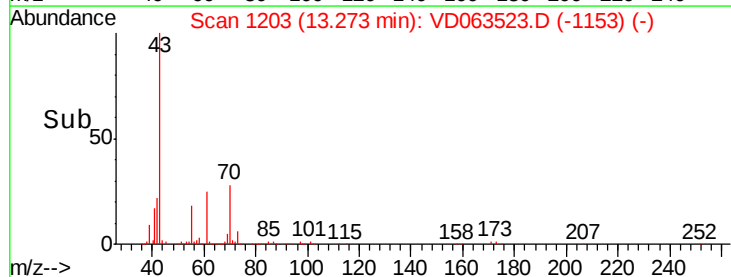
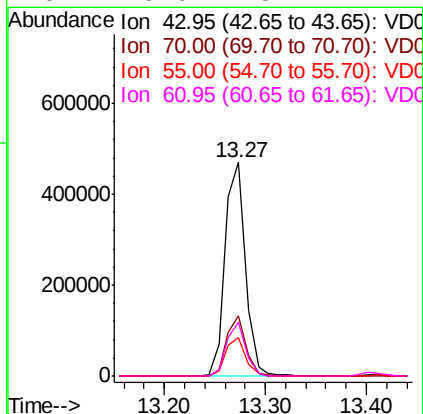
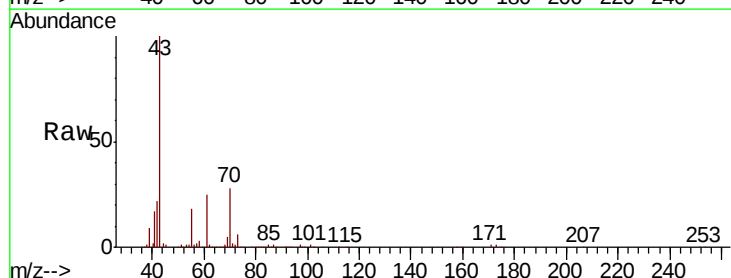
Instrument :
MSVOA_D
ClientSampleId :

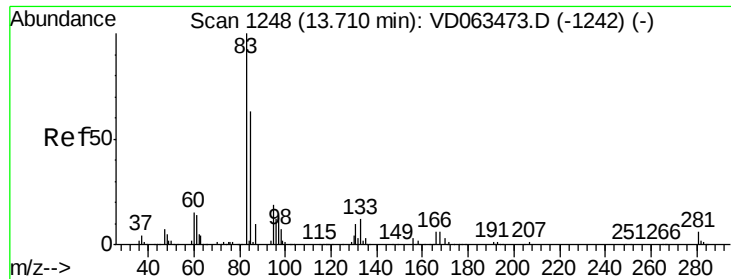
Tot Ion:105 Resp: 2503783
Ion Ratio Lower Upper
105 100
120 23.0 11.9 35.9



#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





#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 :

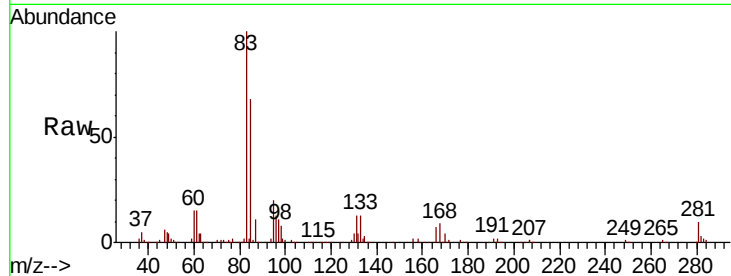
Tot Ion: 83 Resp: 427827

Ion Ratio Lower Upper

83 100

131 12.6 5.3 15.8

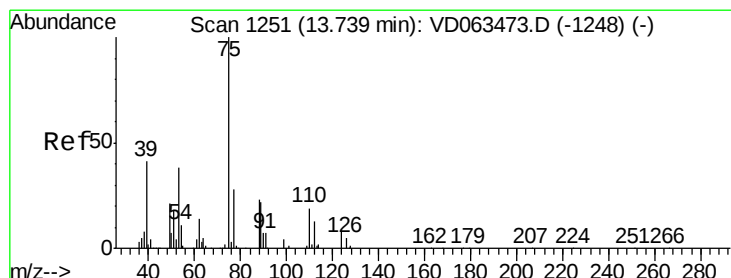
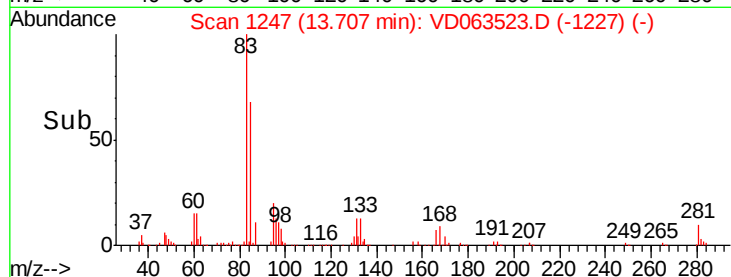
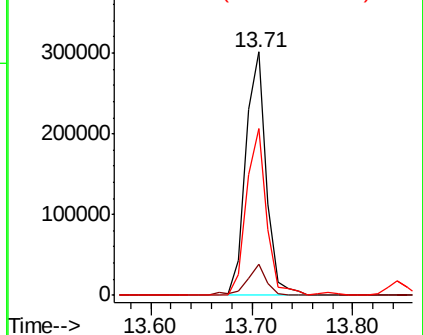
85 68.4 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 53.282 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063523.D

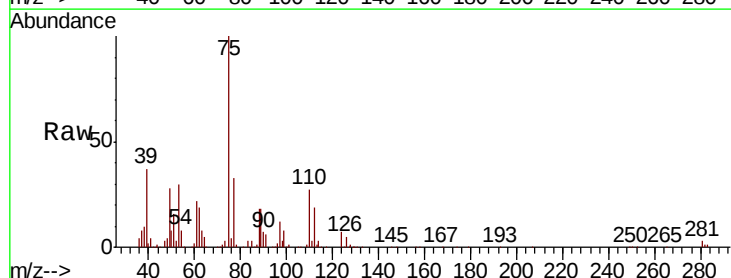
Acq: 13 Aug 2019 13:10

Tgt Ion: 75 Resp: 439891

Ion Ratio Lower Upper

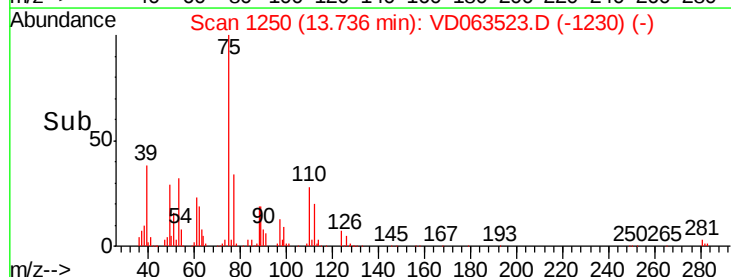
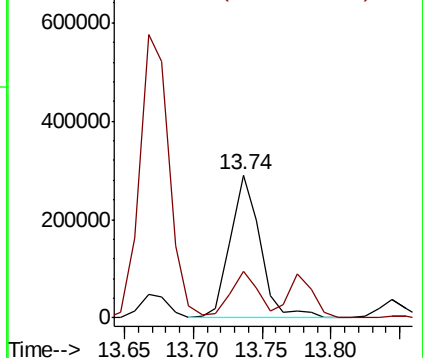
75 100

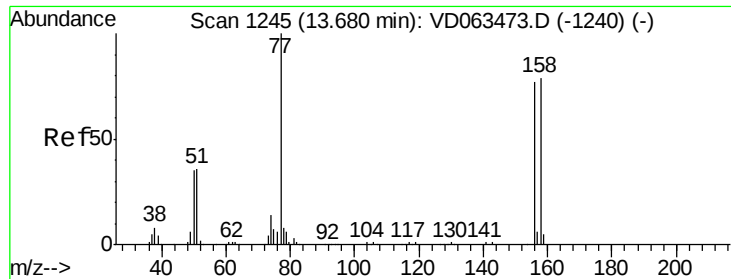
77 32.6 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#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 :

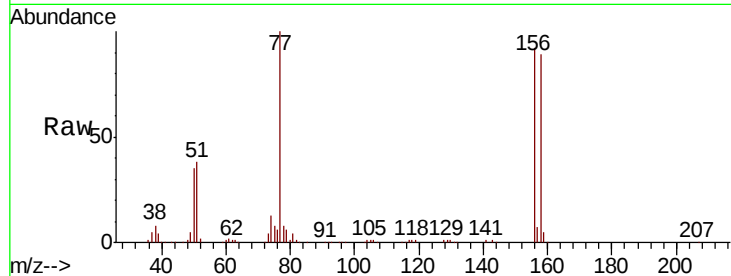
Tot Ion:156 Resp: 682800

Ion Ratio Lower Upper

156 100

77 108.2 64.6 193.8

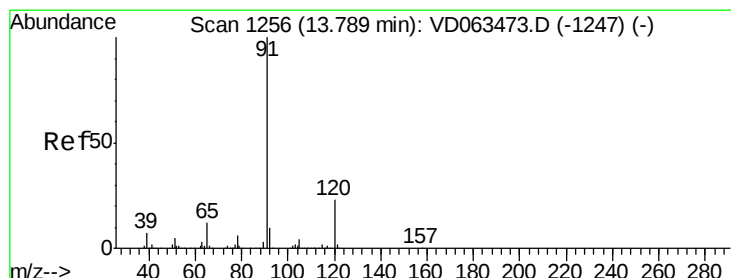
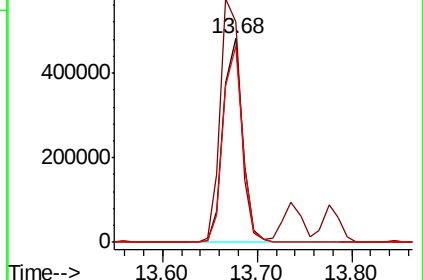
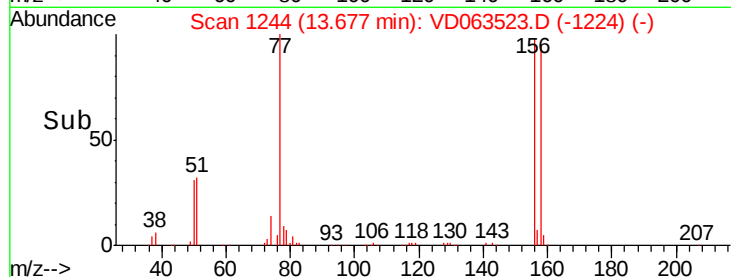
158 96.2 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

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

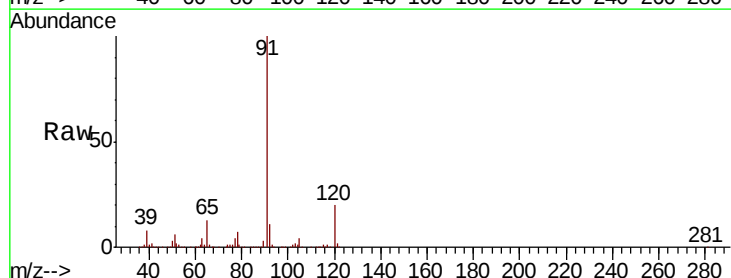
Acq: 13 Aug 2019 13:10

Tgt Ion: 91 Resp: 2870765

Ion Ratio Lower Upper

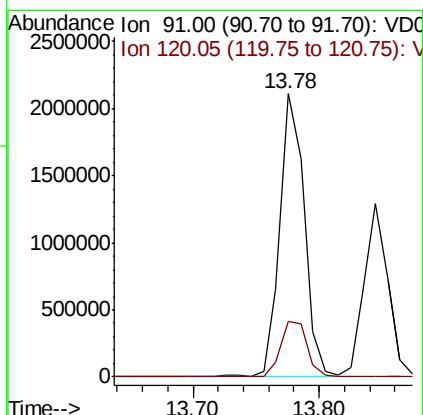
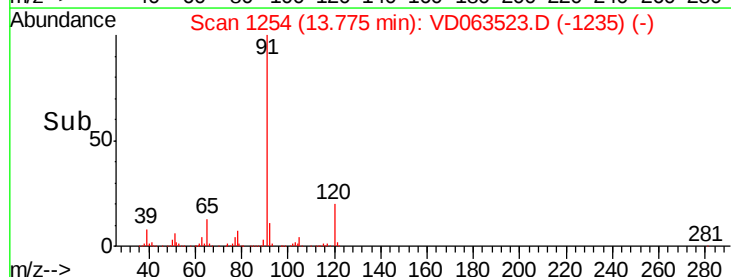
91 100

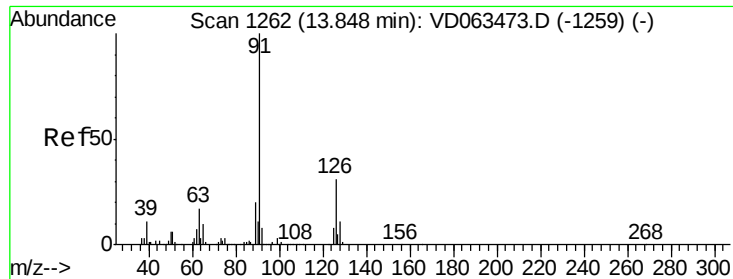
120 19.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

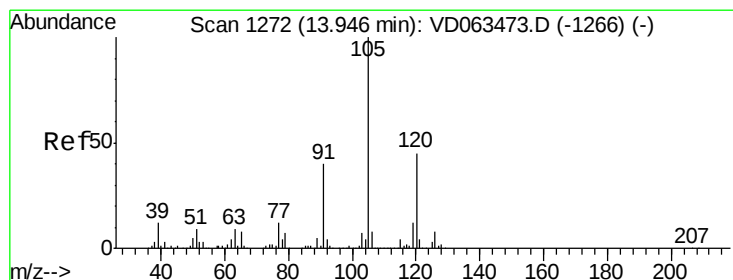
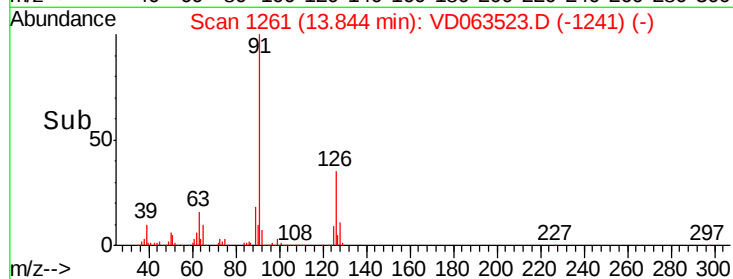
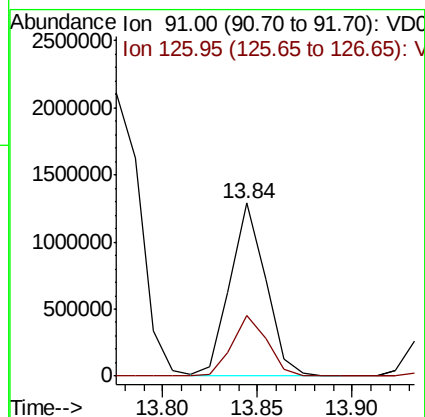
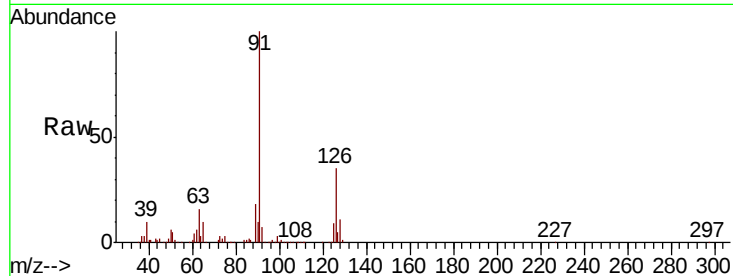




#79
 2-Chlorotoluene
 Concen: 54.593 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

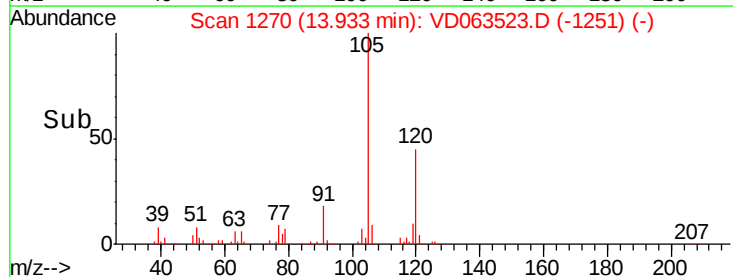
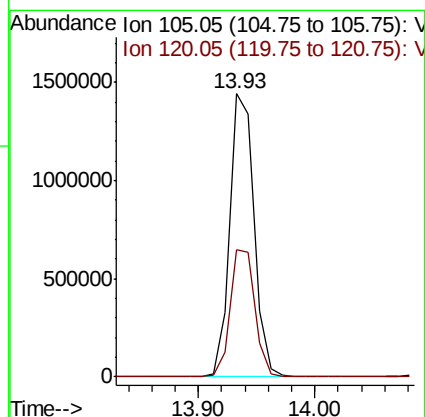
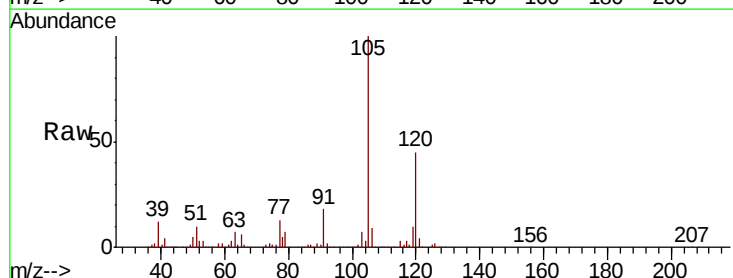
Instrument :
 MSVOA_D
 ClientSampled :

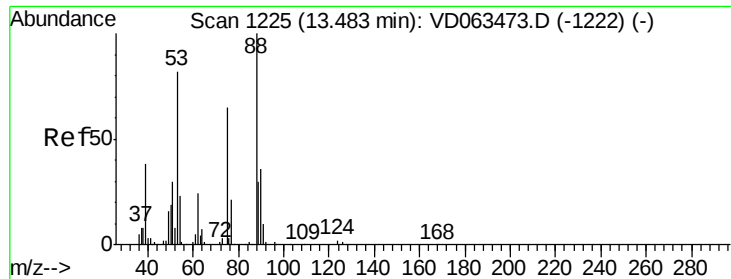
Tot Ion: 91 Resp: 1685152
 Ion Ratio Lower Upper
 91 100
 126 35.0 15.6 46.7



#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

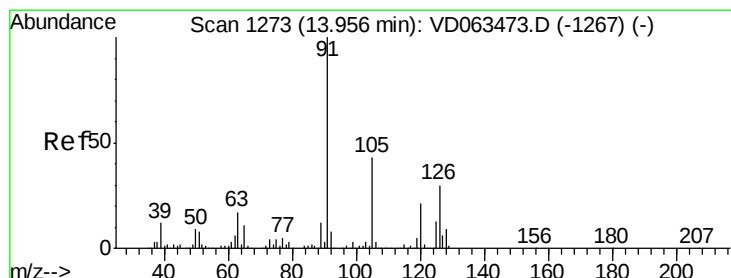
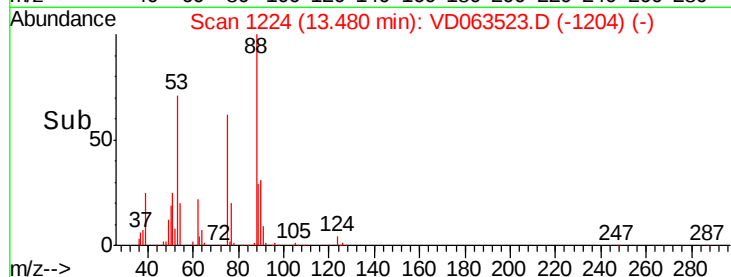
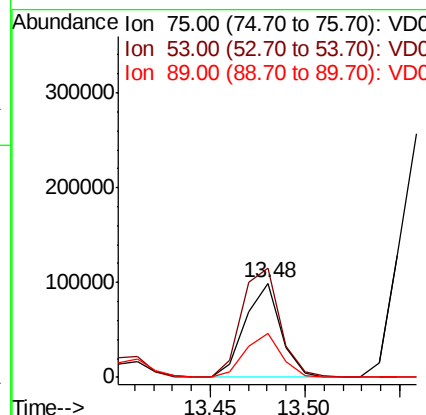
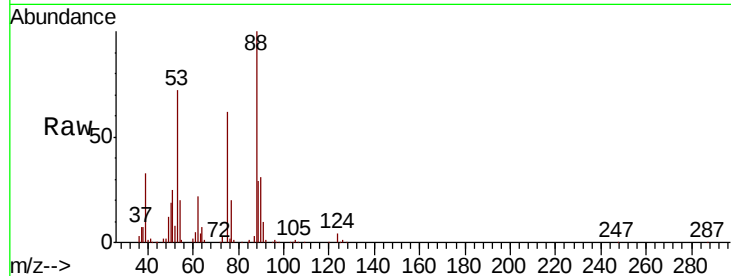




#81
trans-1,4-Dichloro-2-butene
Concen: 58.638 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

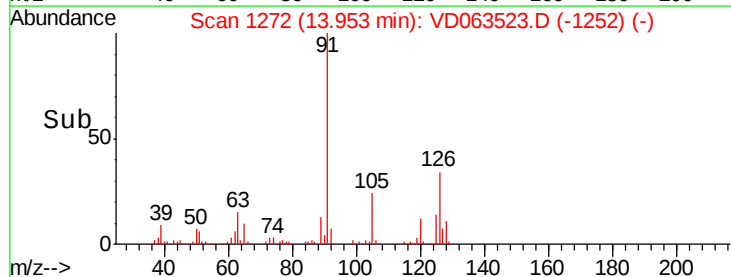
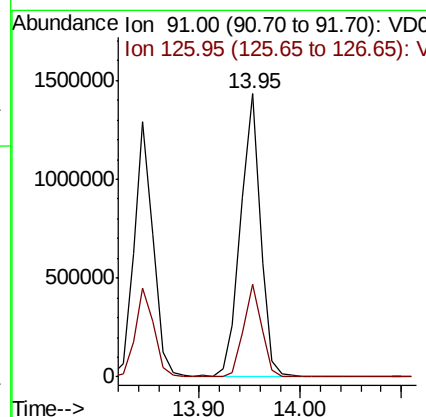
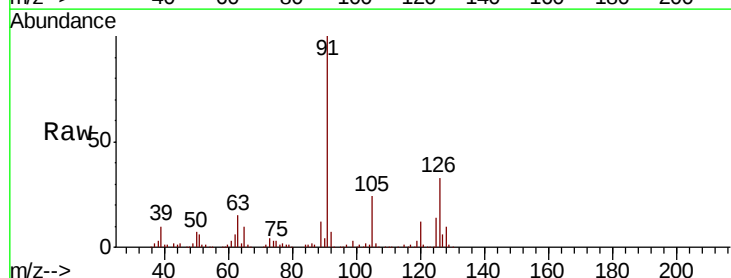
Instrument :
MSVOA_D
ClientSampleId :

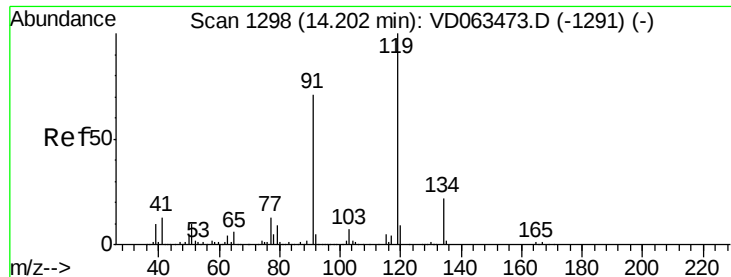
Tot Ion: 75 Resp: 130115
Ion Ratio Lower Upper
75 100
53 116.1 101.0 151.4
89 46.4 37.0 55.6



#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

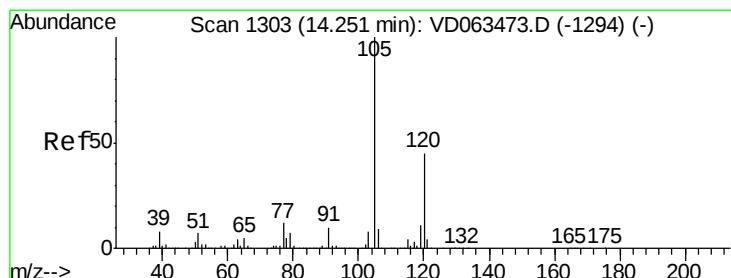
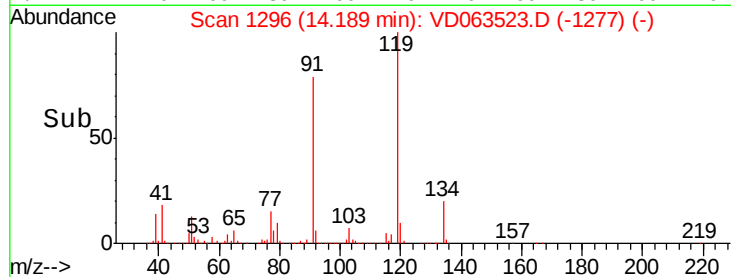
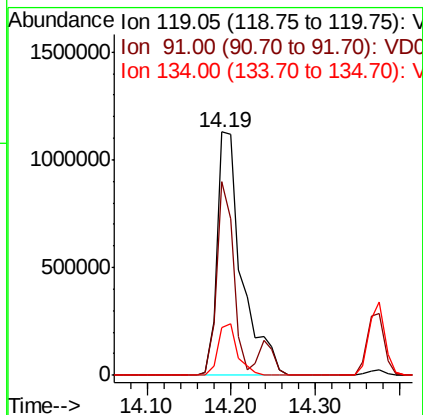
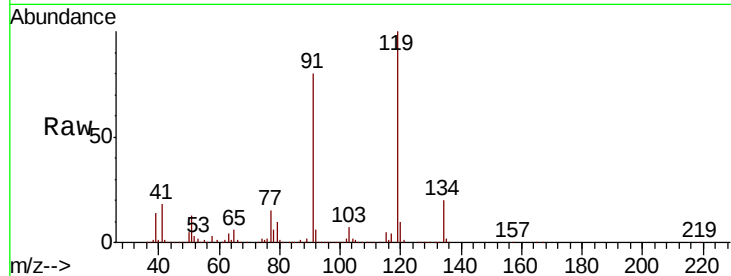




#83
 tert-Butylbenzene
 Concen: 54.595 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

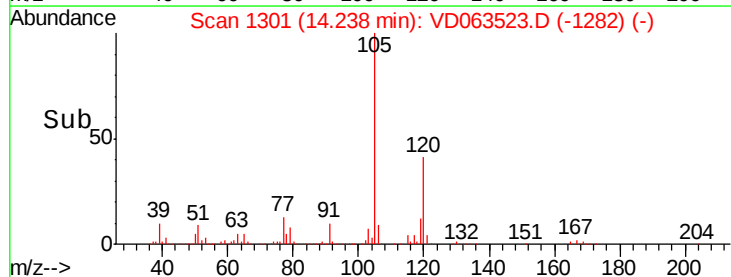
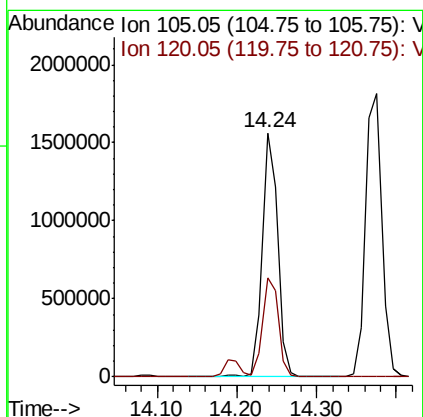
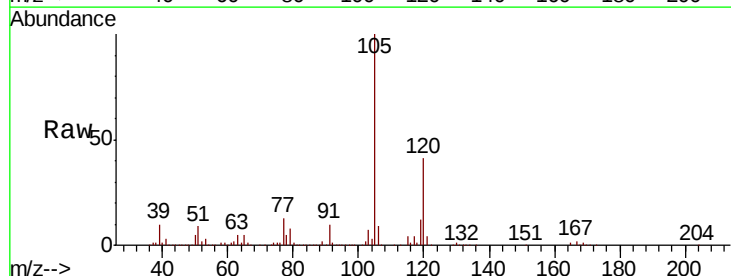
Instrument :
 MSVOA_D
 ClientSampleID :

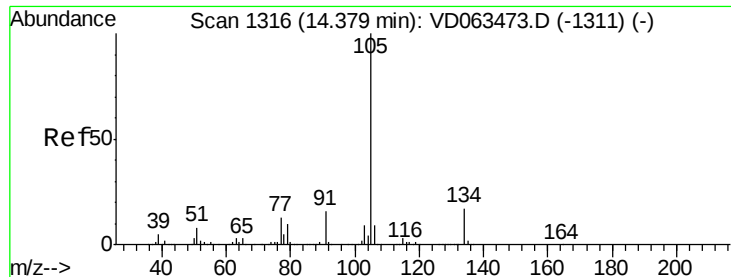
Tot Ion:119 Resp: 2298369
 Ion Ratio Lower Upper
 119 100
 91 79.6 35.5 106.7
 134 19.5 11.1 33.1



#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

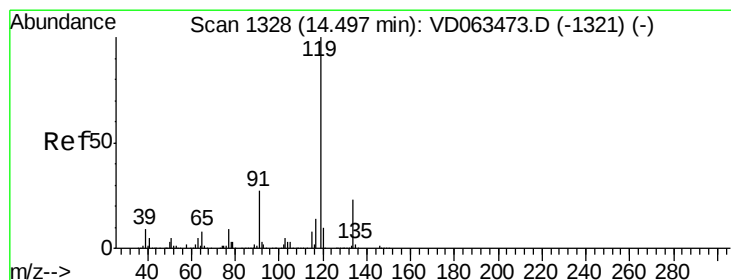
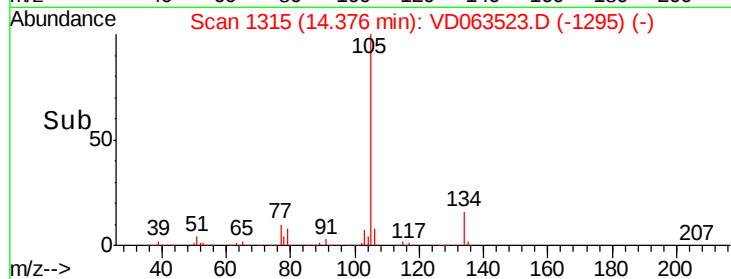
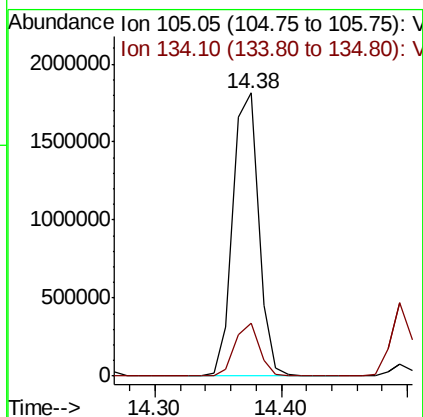
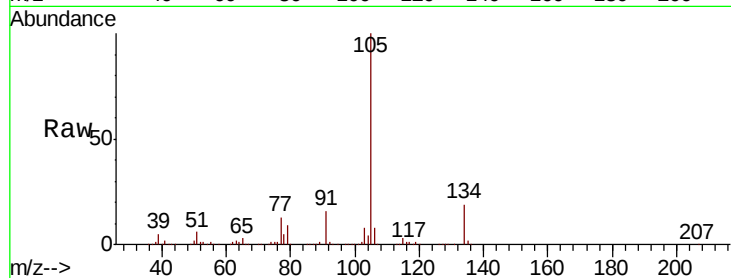




#85
 sec-Butylbenzene
 Concen: 57.083 ug/l
 RT: 14.38 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

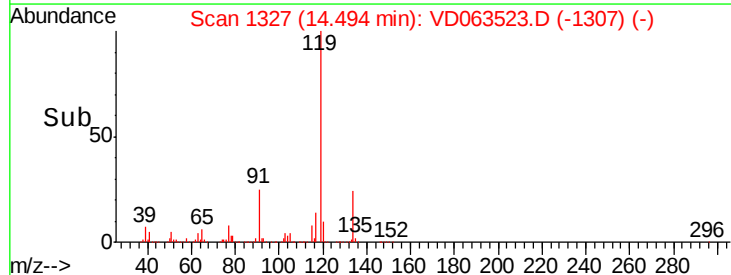
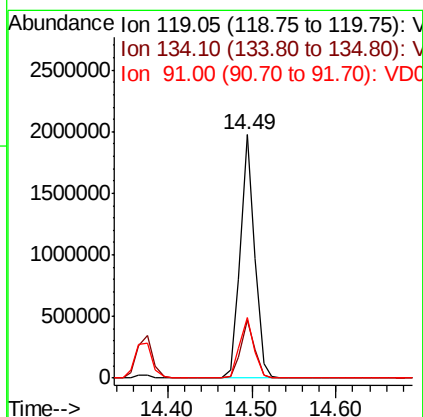
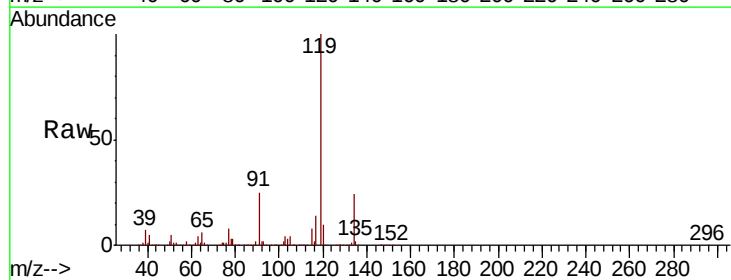
Instrument :
 MSVOA_D
 ClientSampleId :

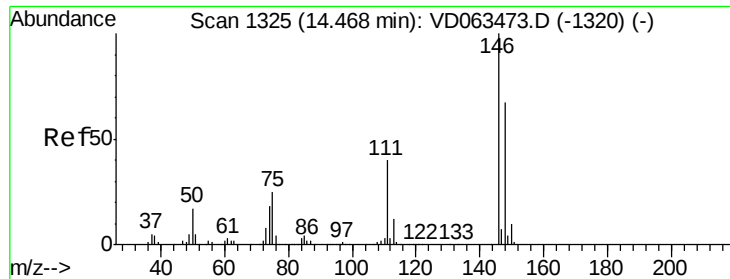
Tot Ion:105 Resp: 2552072
 Ion Ratio Lower Upper
 105 100
 134 18.8 8.3 24.8



#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

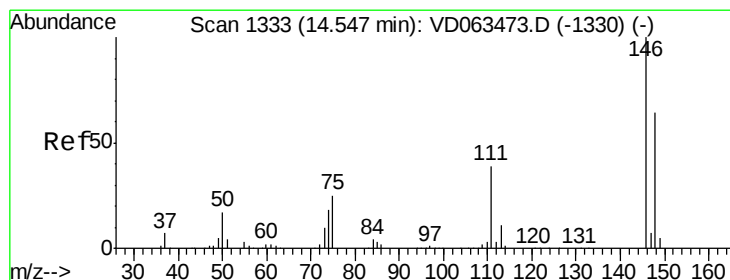
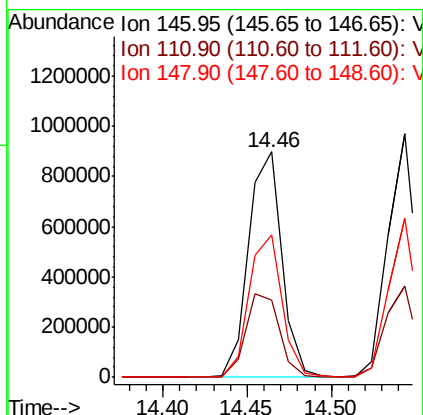
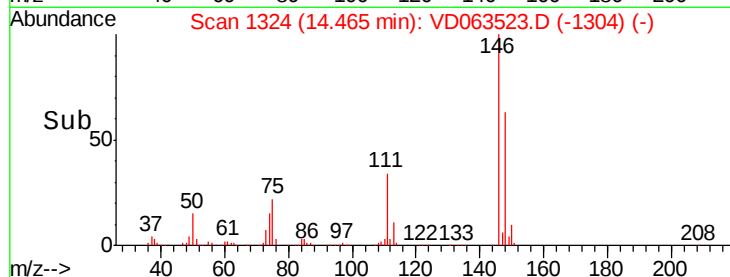
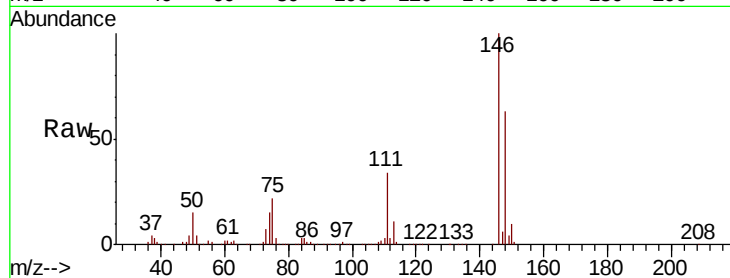




#87
 1,3-Dichlorobenzene
 Concen: 54.628 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

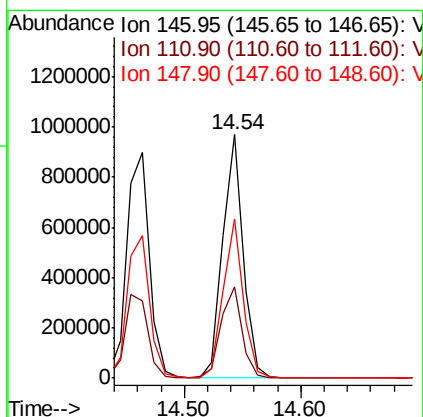
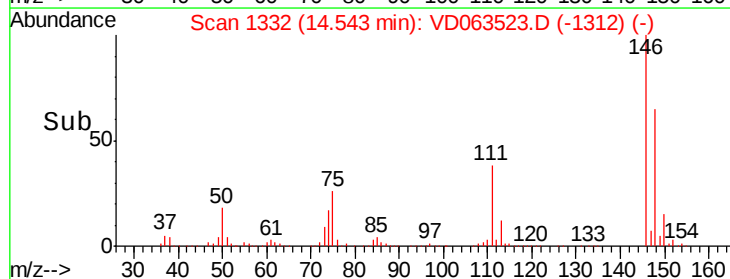
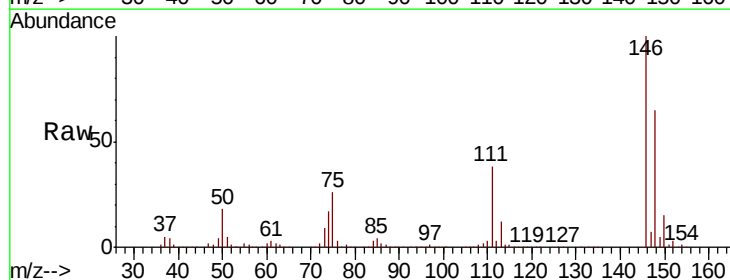
Instrument :
 MSVOA_D
 ClientSampleId :

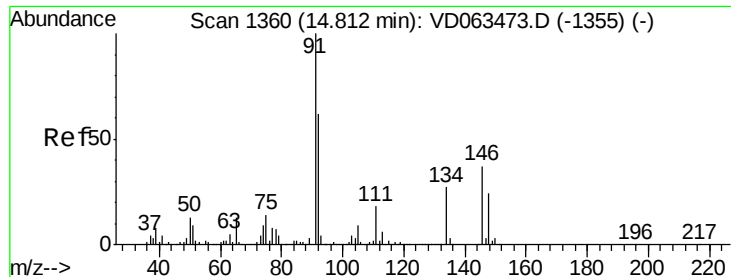
Tot Ion:146 Resp: 1235653
 Ion Ratio Lower Upper
 146 100
 111 34.3 20.0 60.0
 148 63.3 33.6 100.6



#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





#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 :

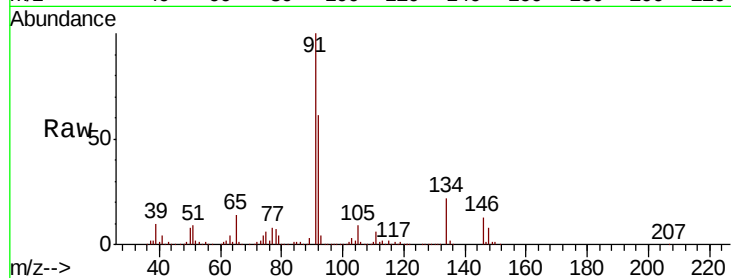
Tot Ion: 91 Resp: 2148049

Ion Ratio Lower Upper

91 100

92 60.6 30.8 92.3

134 22.5 13.4 40.2

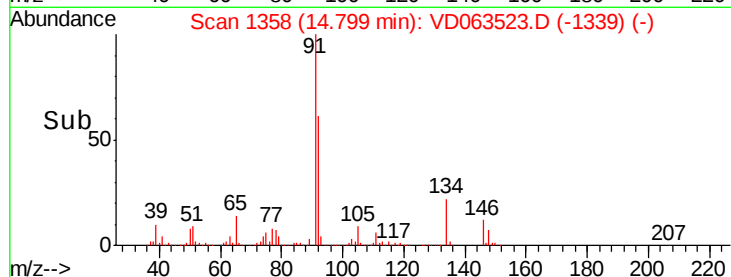


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

Time-->

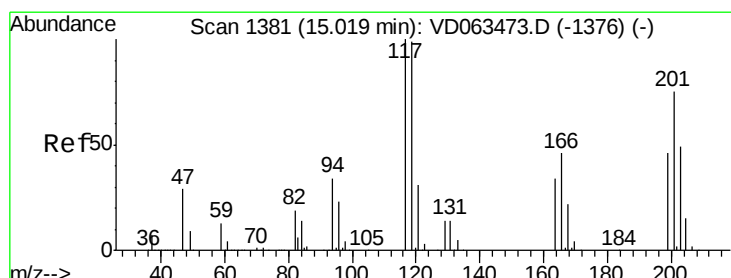


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

Time-->



#90

Hexachloroethane

Concen: 56.359 ug/l

RT: 15.02 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063523.D

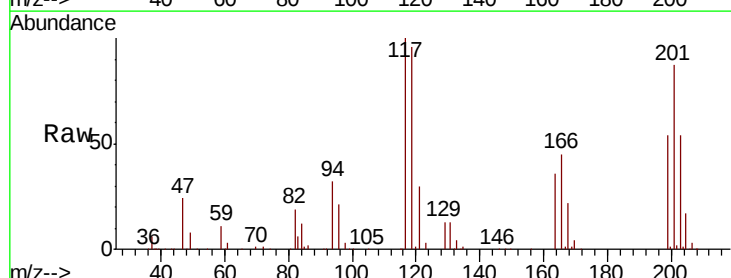
Acq: 13 Aug 2019 13:10

Tgt Ion: 117 Resp: 605549

Ion Ratio Lower Upper

117 100

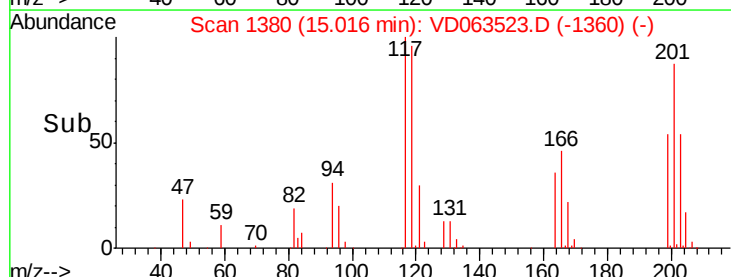
201 86.7 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

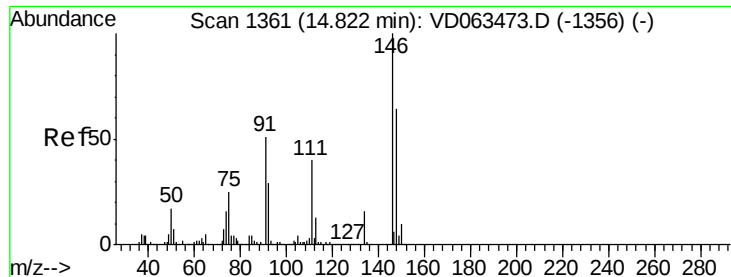
Time-->



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

Time-->



#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 :

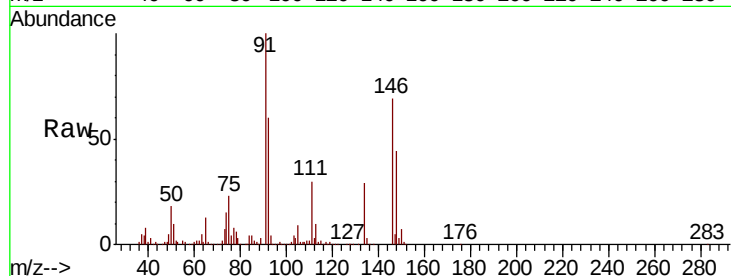
Tot Ion:146 Resp: 1011771

Ion Ratio Lower Upper

146 100

111 43.8 20.2 60.6

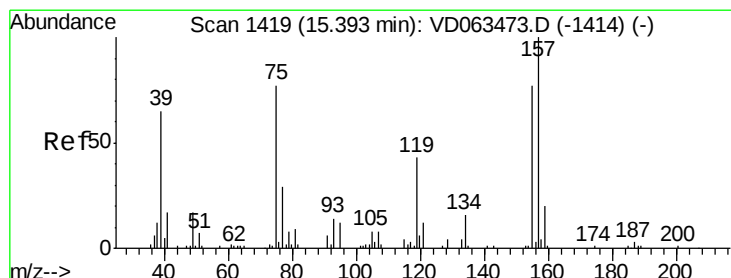
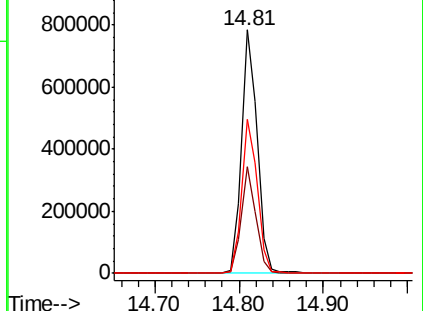
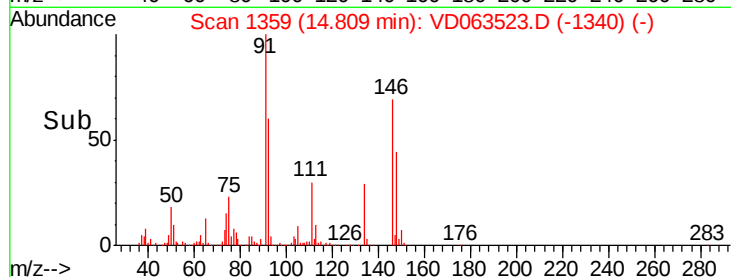
148 63.4 32.1 96.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 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

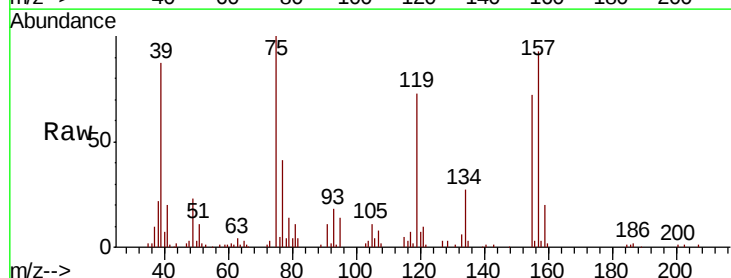
Tgt Ion: 75 Resp: 79387

Ion Ratio Lower Upper

75 100

155 72.1 50.1 150.3

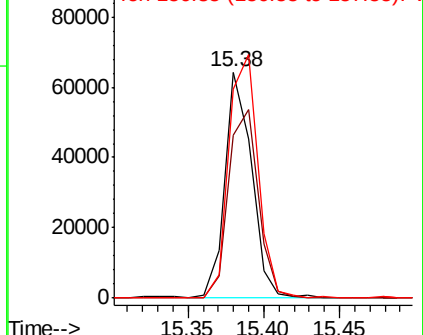
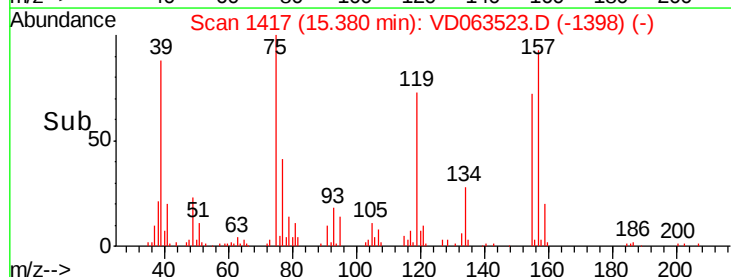
157 92.5 65.0 195.1

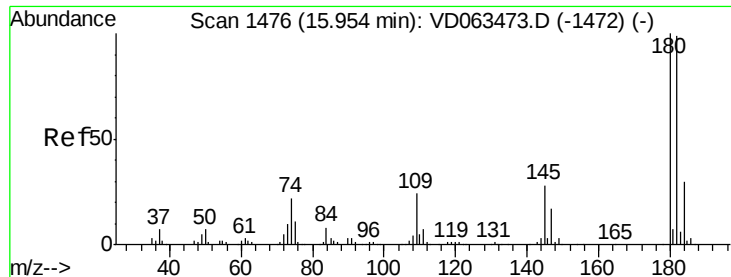


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

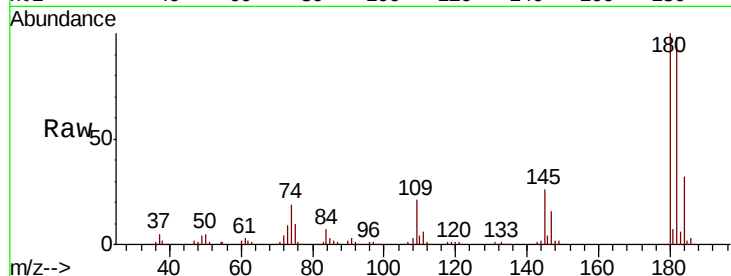




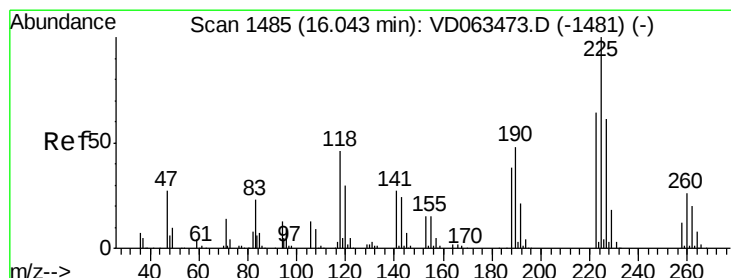
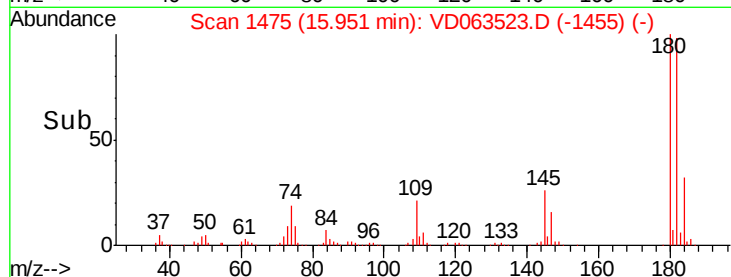
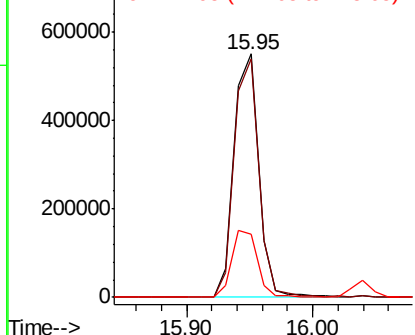
#93
 1,2,4-Trichlorobenzene
 Concen: 52.659 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

Instrument :
 MSVOA_D
 ClientSampleId :

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

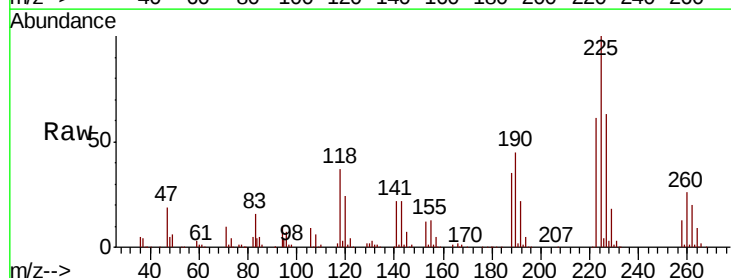


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

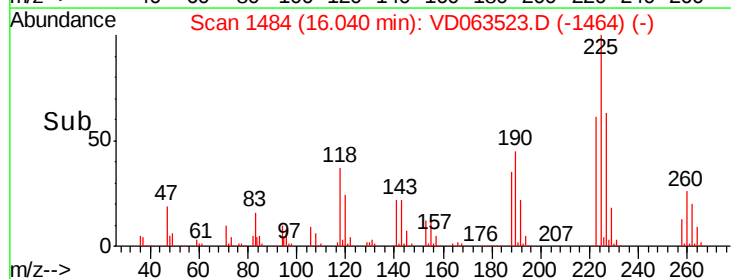
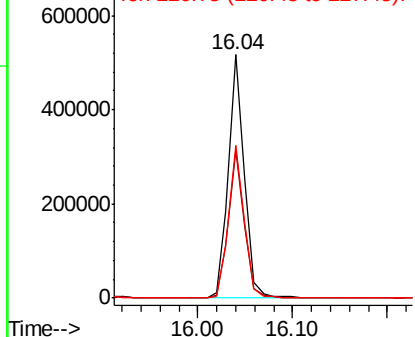


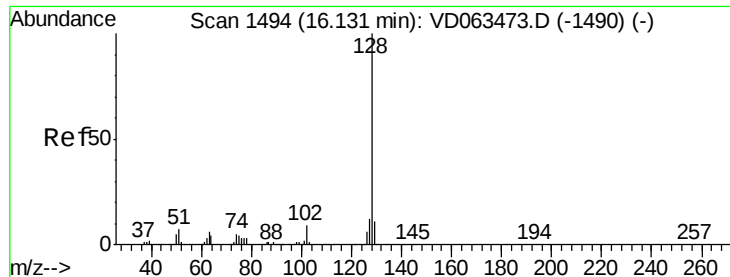
#94
 Hexachlorobutadiene
 Concen: 56.161 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063523.D
 Acq: 13 Aug 2019 13:10

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

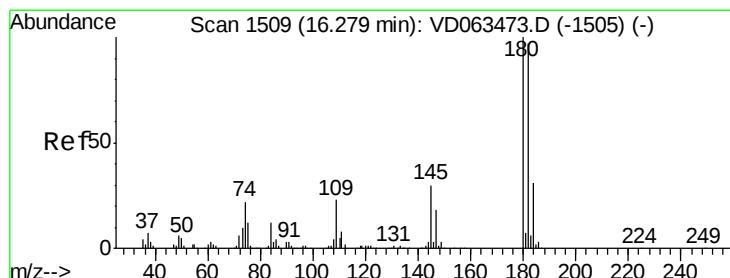
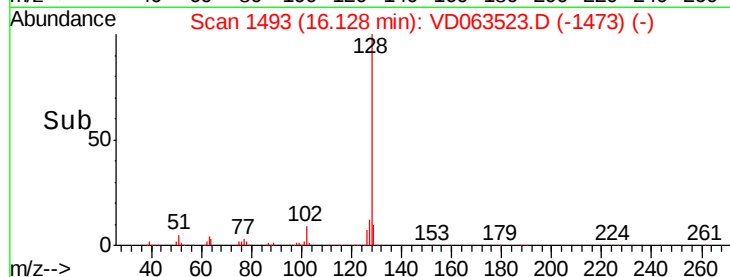
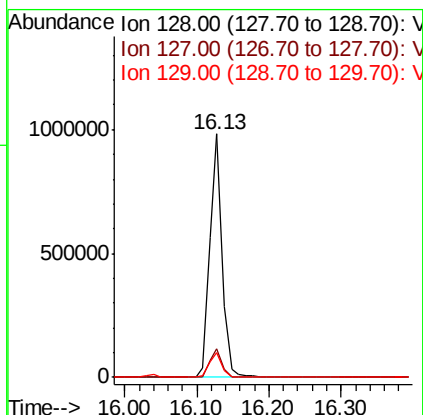
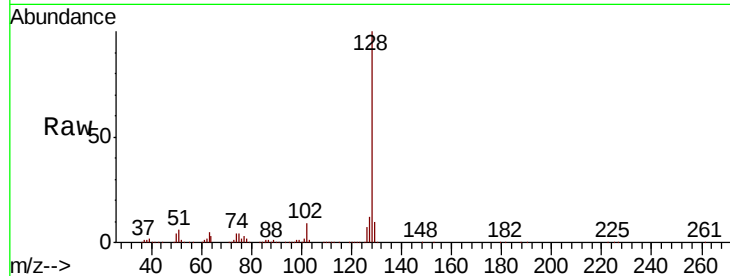




#95
Naphthalene
Concen: 53.949 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063523.D
Acq: 13 Aug 2019 13:10

Instrument :
MSVOA_D
ClientSampled :

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

