

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063597.D
 Acq On : 15 Aug 2019 3:32
 Operator : JC/SY
 Sample : VD0814SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 12:05:52 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	7.04	168	903765	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1248869	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1116293	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	602029	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	566040	58.59	ug/l	-0.02
Spiked Amount			Recovery	=	117.18%	
35) Dibromofluoromethane	6.91	113	610549	58.05	ug/l	-0.02
Spiked Amount			Recovery	=	116.10%	
50) Toluene-d8	10.41	98	1294422	55.98	ug/l	-0.01
Spiked Amount			Recovery	=	111.96%	
62) 4-Bromofluorobenzene	13.55	95	583805	55.70	ug/l	-0.01
Spiked Amount			Recovery	=	111.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	215040	19.667	ug/l	95
3) Chloromethane	1.74	50	182196	21.327	ug/l	94
4) Vinyl Chloride	1.84	62	172890	20.387	ug/l	97
5) Bromomethane	2.14	94	91325	22.822	ug/l	86
6) Chloroethane	2.26	64	86039	22.186	ug/l	92
7) Trichlorofluoromethane	2.52	101	326098	19.604	ug/l	97
8) Diethyl Ether	2.87	74	53338	22.710	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	186923	19.030	ug/l	98
10) Methyl Iodide	3.29	142	277238	19.948	ug/l	97
11) Tert butyl alcohol	4.09	59	53637	127.542	ug/l #	89
12) 1,1-Dichloroethene	3.12	96	138181	18.922	ug/l	92
13) Acrolein	3.02	56	37344	90.214	ug/l	84
14) Allyl chloride	3.61	41	217049	19.771	ug/l	97
15) Acrylonitrile	4.20	53	127500	114.461	ug/l	94
16) Acetone	3.22	43	186016	94.722	ug/l	100
17) Carbon Disulfide	3.36	76	444215	19.274	ug/l	96
18) Methyl Acetate	3.63	43	100837	27.109	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	367635	25.172	ug/l	100
20) Methylene Chloride	3.80	84	187183	22.043	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	171104	22.265	ug/l	97
22) Diisopropyl ether	5.12	45	507134	22.386	ug/l	99
23) Vinyl Acetate	5.05	43	1446466	109.831	ug/l	99
24) 1,1-Dichloroethane	4.97	63	303255	21.583	ug/l	99
25) 2-Butanone	6.07	43	227174	117.129	ug/l #	90
26) 2,2-Dichloropropane	6.02	77	272159	19.447	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	190882	22.703	ug/l	98
28) Bromochloromethane	6.43	49	127258	22.347	ug/l	95
29) Tetrahydrofuran	6.45	42	105205	116.407	ug/l	98
30) Chloroform	6.66	83	395824	22.664	ug/l	98
31) Cyclohexane	6.95	56	152541	17.488	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	358601	21.465	ug/l	99
36) 1,1-Dichloropropene	7.14	75	232743	21.081	ug/l	95
37) Ethyl Acetate	6.18	43	112714	24.364	ug/l	96
38) Carbon Tetrachloride	7.10	117	331517	19.924	ug/l	96

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Quant Time: Aug 15 12:05:52 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)
39) Methylcyclohexane	8.85	83	186320	19.847	ug/l	97
40) Benzene	7.44	78	563531	23.195	ug/l	98
41) Methacrylonitrile	6.45	41	141796	24.343	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	290719	23.797	ug/l	99
43) Isopropyl Acetate	9.24	43	143975	23.237	ug/l #	98
44) Trichloroethene	8.54	130	194926	20.991	ug/l	99
45) 1,2-Dichloropropane	8.93	63	140349	24.806	ug/l	90
46) Dibromomethane	9.06	93	120000	24.836	ug/l	94
47) Bromodichloromethane	9.36	83	300554	24.250	ug/l	98
48) Methyl methacrylate	9.12	41	109008	25.942	ug/l	96
49) 1,4-Dioxane	9.07	88	16935	464.897	ug/l #	82
51) 4-Methyl-2-Pentanone	10.30	43	537117	126.686	ug/l	98
52) Toluene	10.50	92	332866	21.271	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	240305	23.758	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	271178	23.777	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	132276	25.023	ug/l	92
56) Ethyl methacrylate	11.04	69	143358	24.986	ug/l	94
57) 1,3-Dichloropropane	11.40	76	190148	23.797	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.85	63	341574	112.767	ug/l	98
59) 2-Hexanone	11.52	43	382850	124.102	ug/l	96
60) Dibromochloromethane	11.68	129	231036	24.019	ug/l	99
61) 1,2-Dibromoethane	11.80	107	154902	24.206	ug/l	96
64) Tetrachloroethene	11.25	164	181069	21.012	ug/l	97
65) Chlorobenzene	12.40	112	433503	20.720	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	210703	22.883	ug/l	89
67) Ethyl Benzene	12.51	91	775611	21.321	ug/l	94
68) m/p-Xylenes	12.66	106	552552	43.233	ug/l	90
69) o-Xylene	13.05	106	261385	21.249	ug/l	95
70) Styrene	13.07	104	460357	21.039	ug/l	96
71) Bromoform	13.23	173	140212	22.208	ug/l	89
73) Isopropylbenzene	13.40	105	771885	20.158	ug/l	98
74) N-amyl acetate	13.26	43	218132	22.692	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	137358	21.611	ug/l	92
76) 1,2,3-Trichloropropane	13.73	75	154775	22.401	ug/l	99
77) Bromobenzene	13.67	156	220860	21.104	ug/l	96
78) n-propylbenzene	13.77	91	878455	19.607	ug/l	98
79) 2-Chlorotoluene	13.83	91	534113	20.676	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	717918	21.458	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	38385	20.670	ug/l	93
82) 4-Chlorotoluene	13.94	91	678350	21.837	ug/l	99
83) tert-Butylbenzene	14.19	119	720972	20.464	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	624265	20.166	ug/l	97
85) sec-Butylbenzene	14.36	105	752428	20.110	ug/l	98
86) p-Isopropyltoluene	14.48	119	717747	20.063	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	394407	20.835	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	410567	22.606	ug/l	97
89) n-Butylbenzene	14.80	91	664256	20.344	ug/l	97
90) Hexachloroethane	15.00	117	189924	21.122	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	364221	22.678	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25080	20.957	ug/l	92

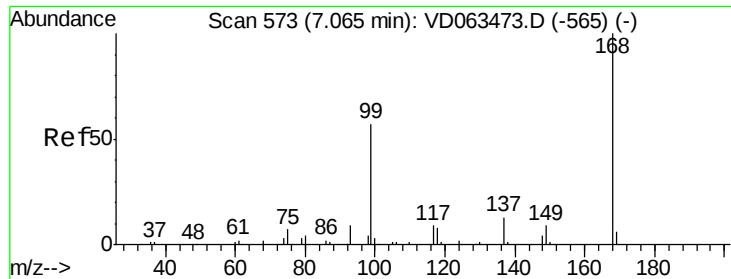
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	248727	21.047	ug/l	96
94) Hexachlorobutadiene	16.04	225	168542	18.713	ug/l	96
95) Naphthalene	16.12	128	386685	21.590	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	219919	23.040	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

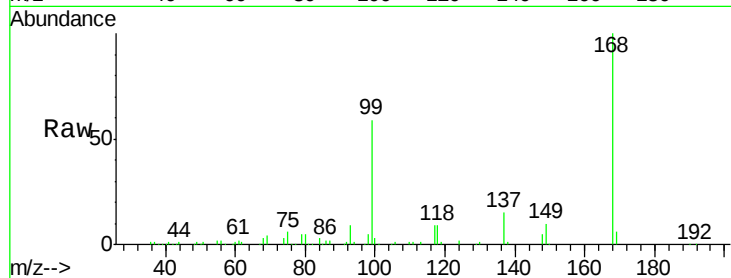
ClientSampleId :

Tot Ion:168 Resp: 903765

Ion Ratio Lower Upper

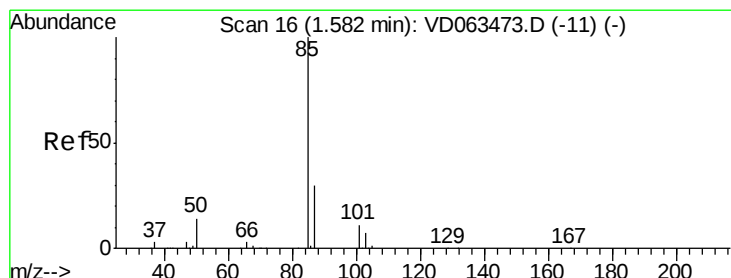
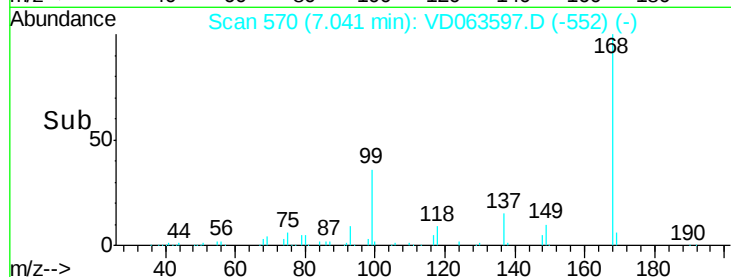
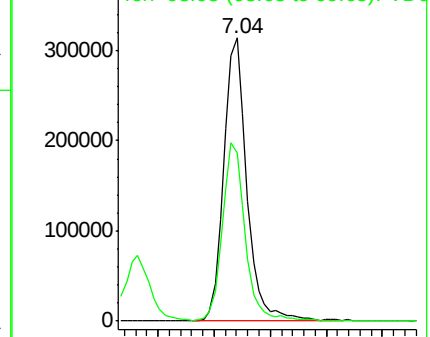
168 100

99 59.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.667 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063597.D

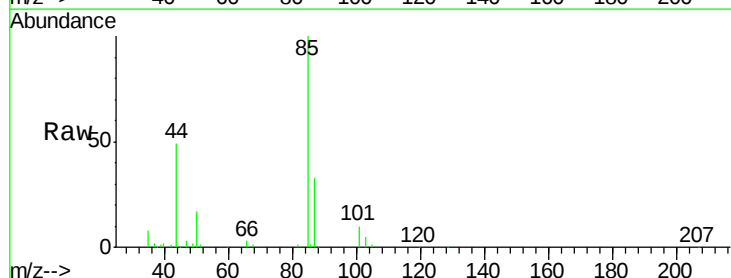
Acq: 15 Aug 2019 3:32

Tgt Ion: 85 Resp: 215040

Ion Ratio Lower Upper

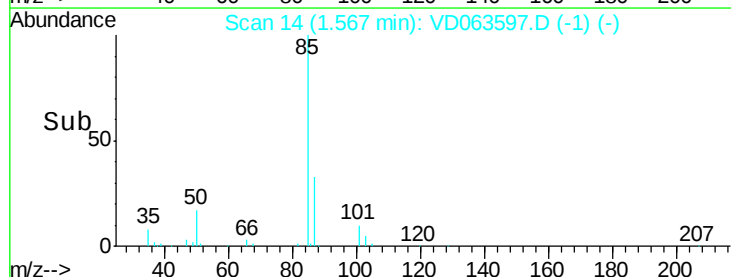
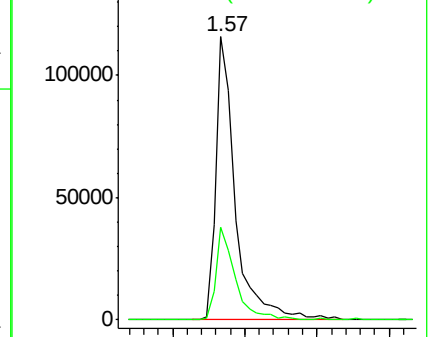
85 100

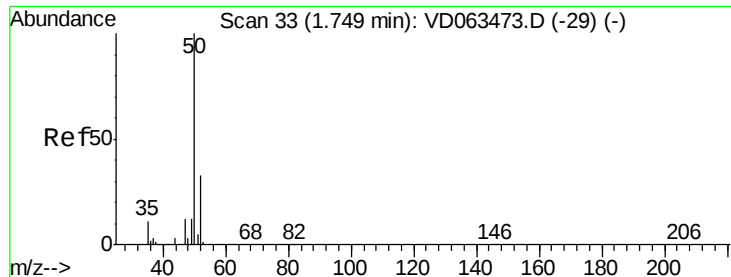
87 32.7 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.327 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

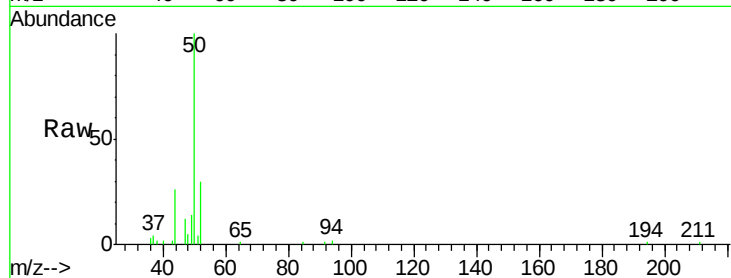
ClientSampleId :

Tot Ion: 50 Resp: 182196

Ion Ratio Lower Upper

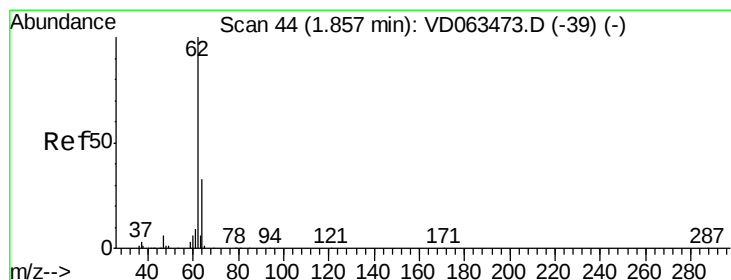
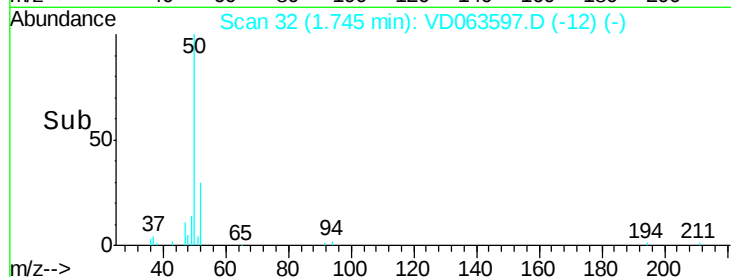
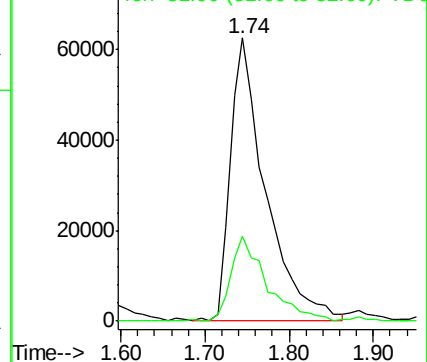
50 100

52 29.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.387 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD063597.D

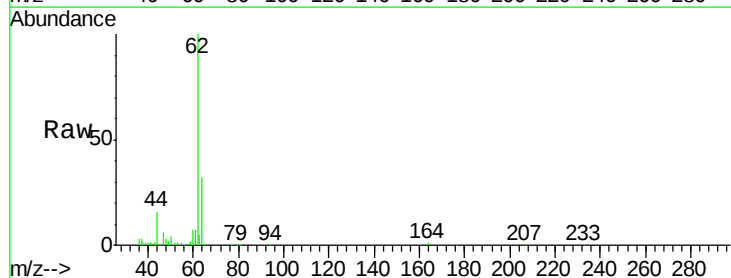
Acq: 15 Aug 2019 3:32

Tgt Ion: 62 Resp: 172890

Ion Ratio Lower Upper

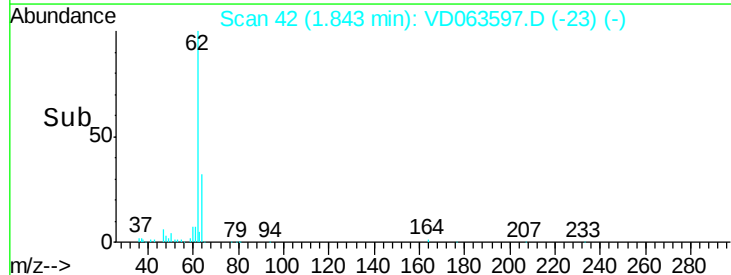
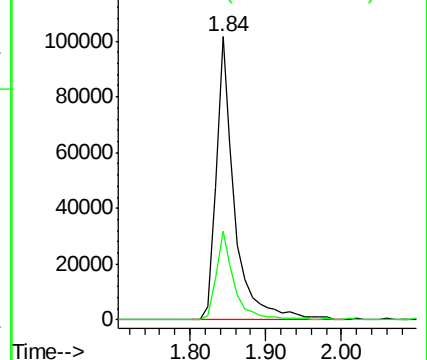
62 100

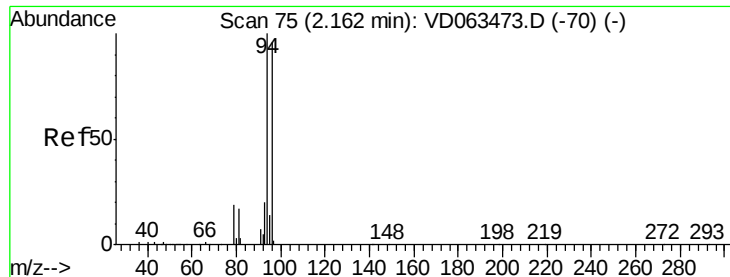
64 31.6 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 22.822 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

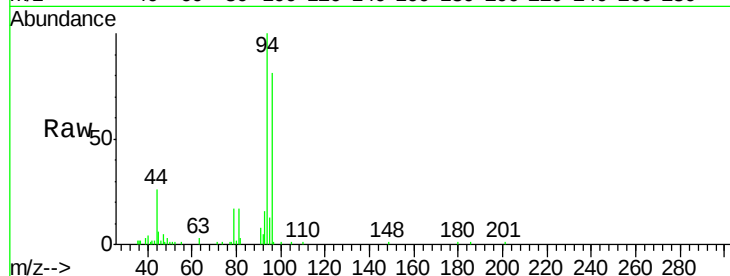
Tot Ion: 94 Resp: 91325

Ion Ratio Lower Upper

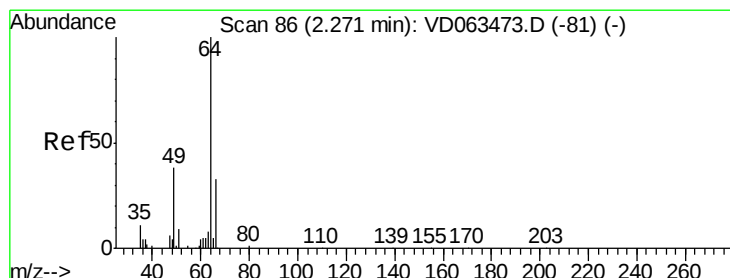
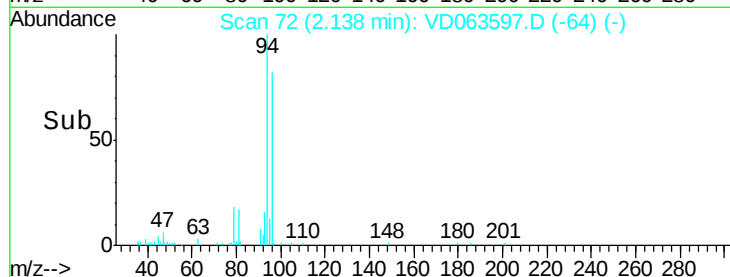
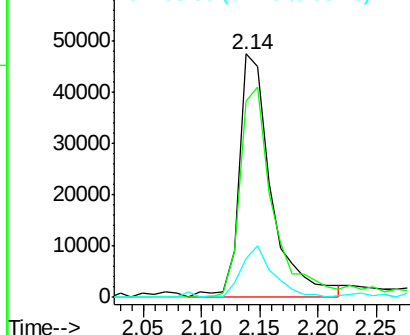
94 100

96 80.8 76.5 114.7

93 16.0 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: 22.186 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063597.D

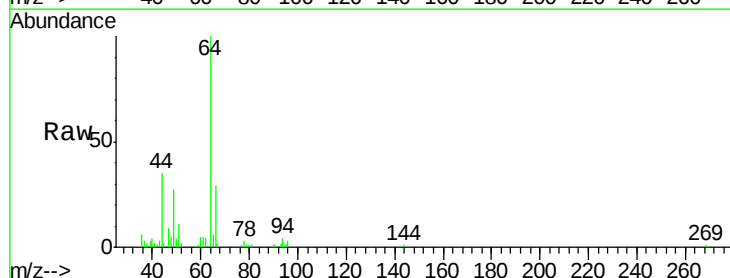
Acq: 15 Aug 2019 3:32

Tgt Ion: 64 Resp: 86039

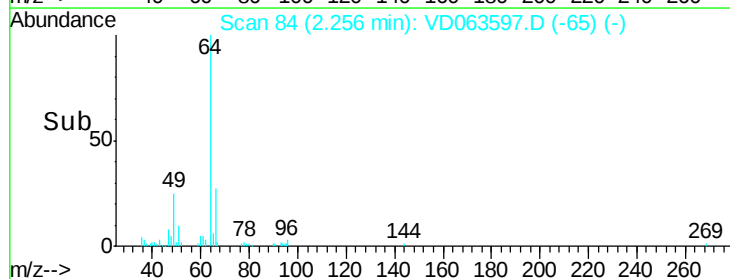
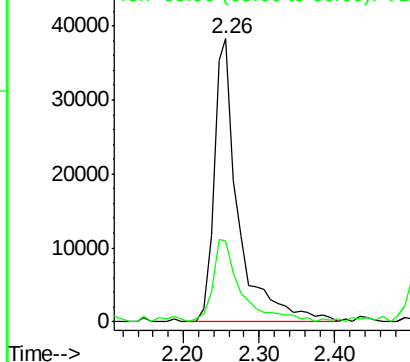
Ion Ratio Lower Upper

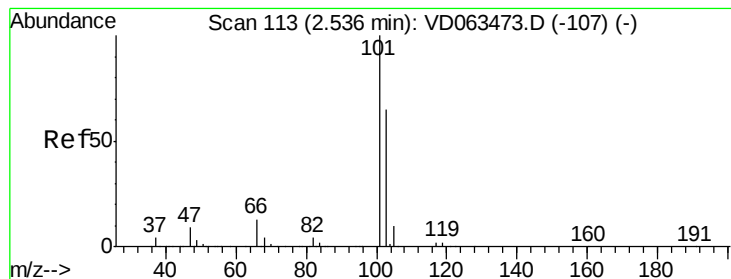
64 100

66 28.5 26.3 39.5



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



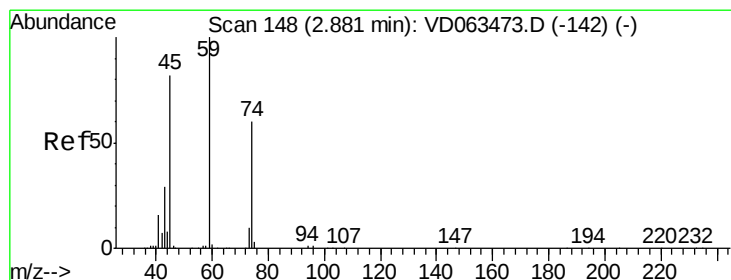
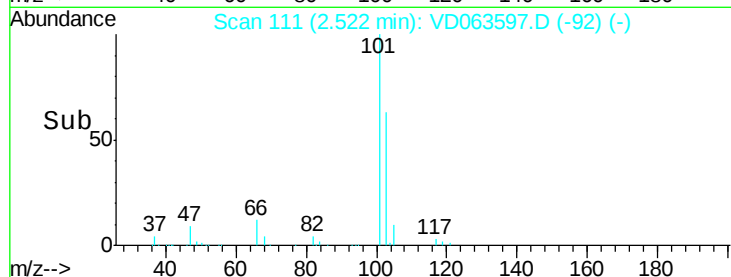
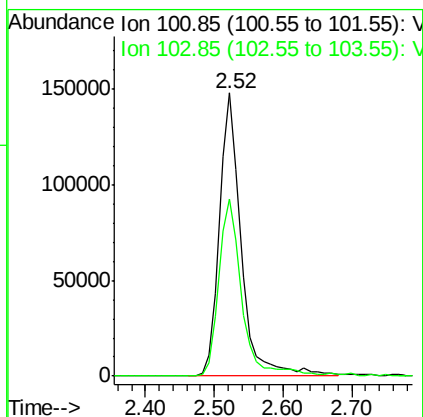
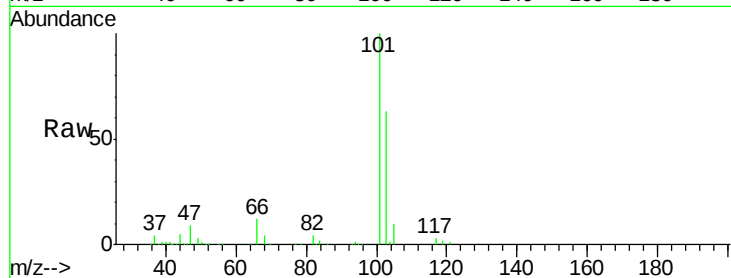


#7

Trichlorofluoromethane
 Concen: 19.604 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Instrument :
 MSVOA_D
 ClientSampleId :

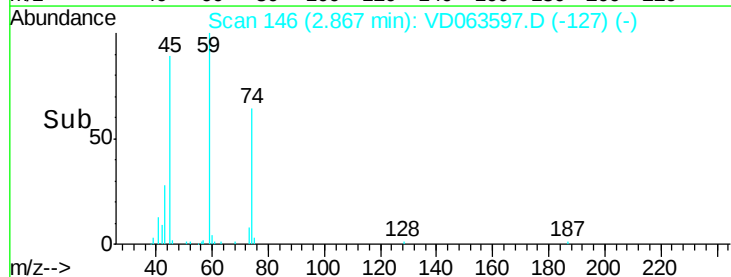
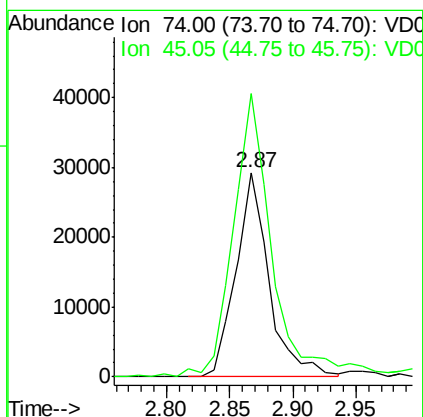
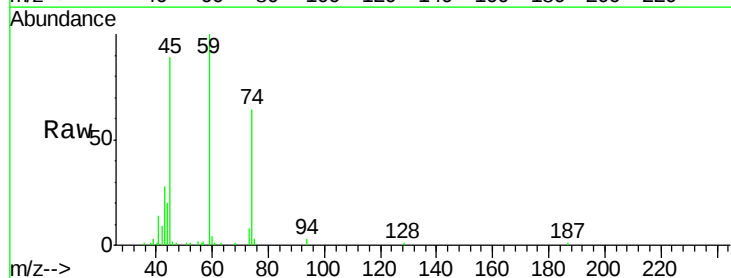
Tot Ion:101 Resp: 326098
 Ion Ratio Lower Upper
 101 100
 103 62.7 52.2 78.4



#8

Diethyl Ether
 Concen: 22.710 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Tgt Ion: 74 Resp: 53338
 Ion Ratio Lower Upper
 74 100
 45 138.5 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.030 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

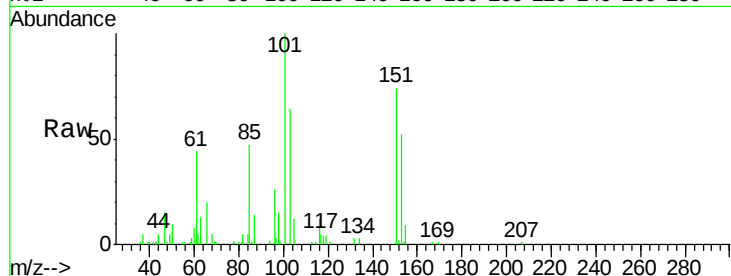
Tot Ion:101 Resp: 186923

Ion Ratio Lower Upper

101 100

85 47.4 35.8 53.6

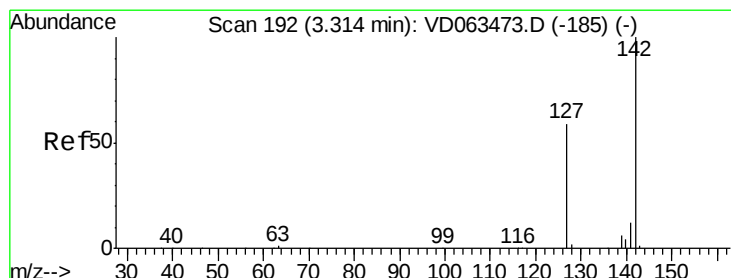
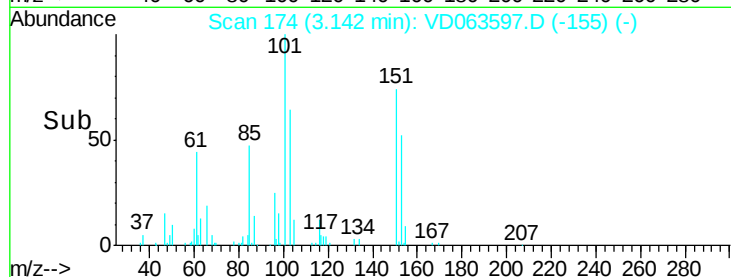
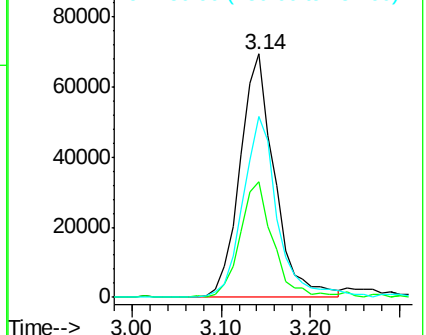
151 74.4 58.6 88.0



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: 19.948 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

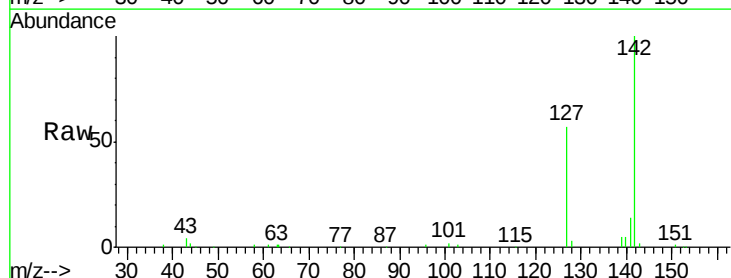
Tgt Ion:142 Resp: 277238

Ion Ratio Lower Upper

142 100

127 56.9 47.2 70.8

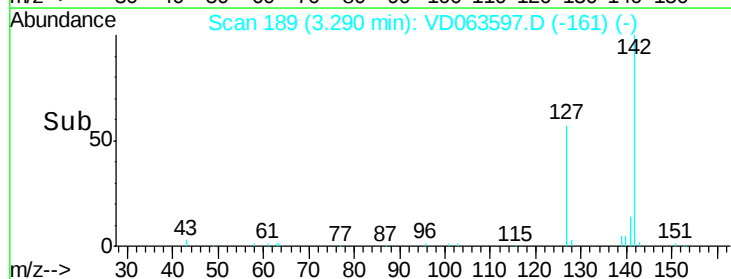
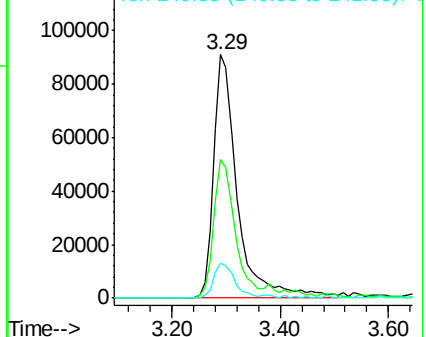
141 14.4 9.8 14.8

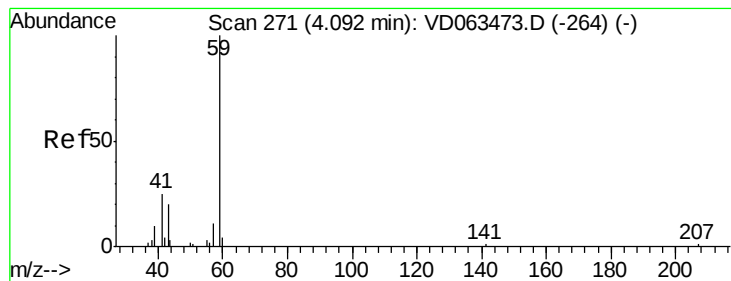


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 127.542 ug/l

RT: 4.09 min Scan# 270

Delta R.T. -0.00 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

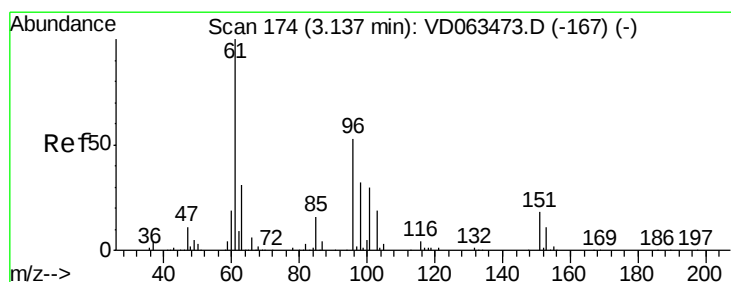
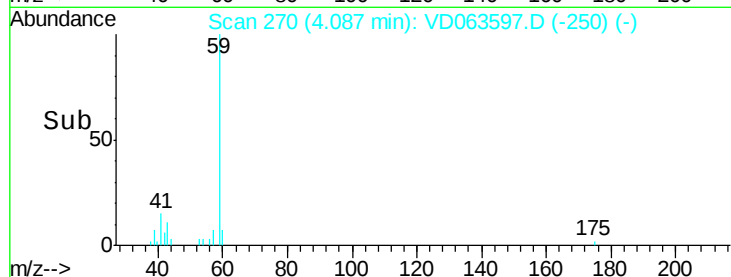
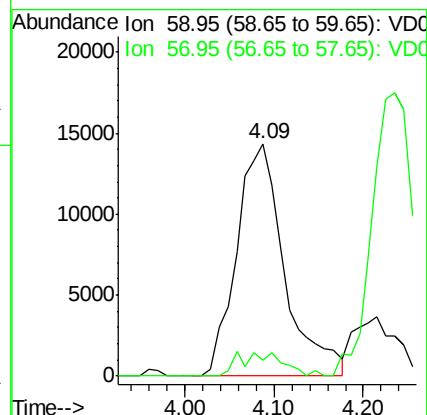
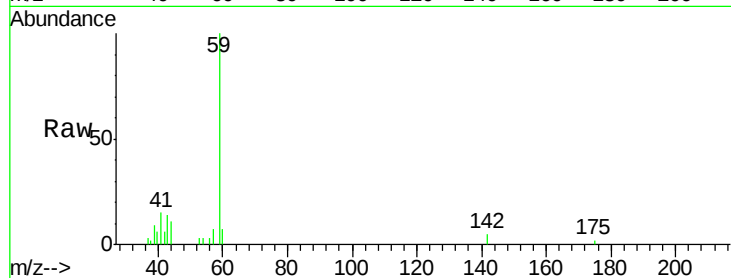
ClientSampleId :

Tot Ion: 59 Resp: 53637

Ion Ratio Lower Upper

59 100

57 6.7 8.7 13.1#



#12

1,1-Dichloroethene

Concen: 18.922 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.01 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

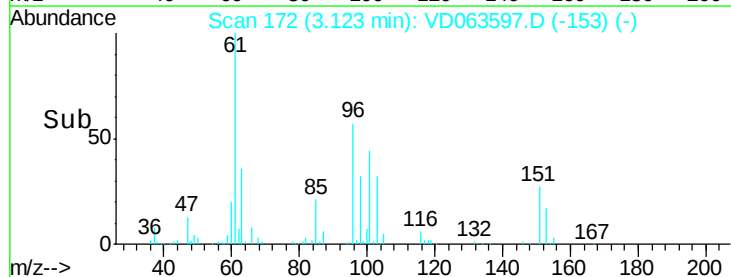
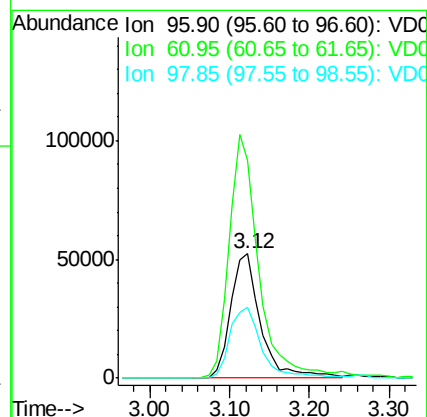
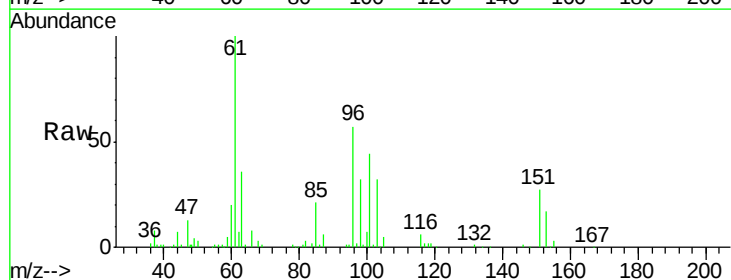
Tgt Ion: 96 Resp: 138181

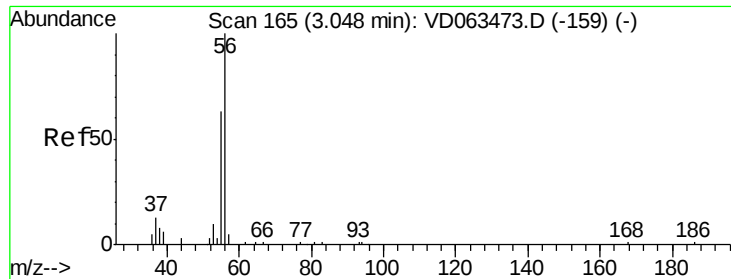
Ion Ratio Lower Upper

96 100

61 176.1 151.7 227.5

98 57.0 48.4 72.6





#13

Acrolein

Concen: 90.214 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

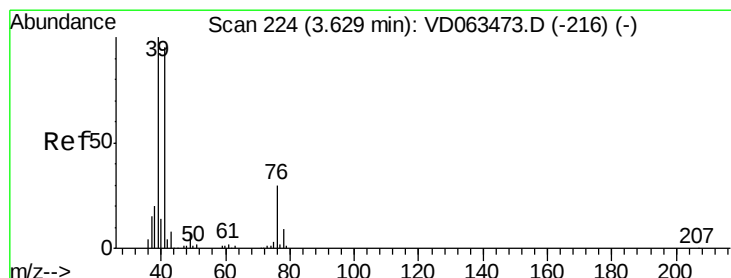
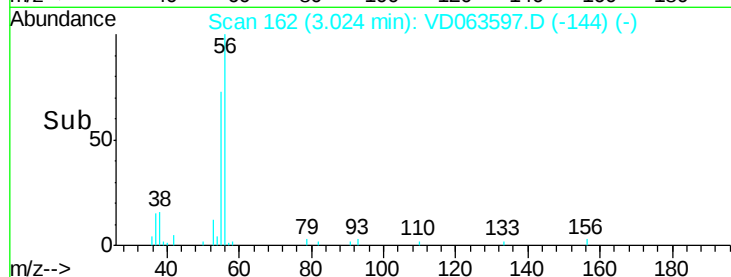
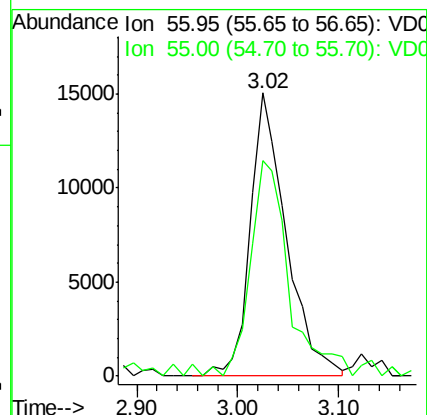
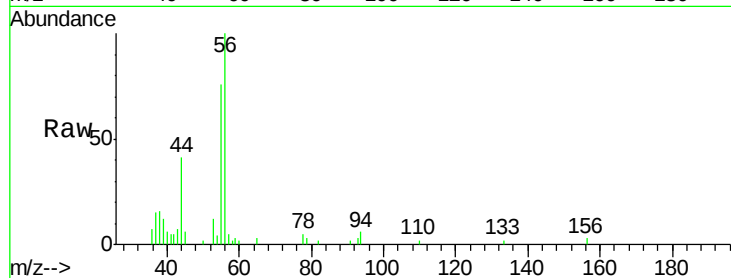
ClientSampleId :

Tot Ion: 56 Resp: 37344

Ion Ratio Lower Upper

56 100

55 76.3 51.3 76.9



#14

Allyl chloride

Concen: 19.771 ug/l

RT: 3.61 min Scan# 221

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

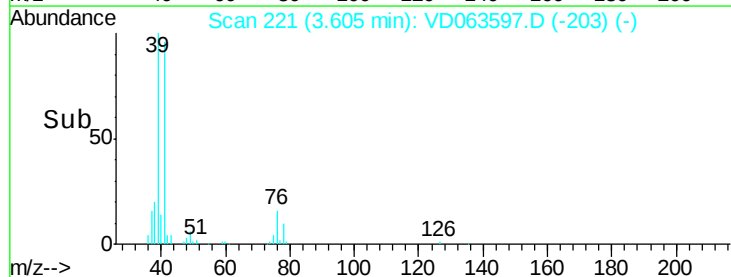
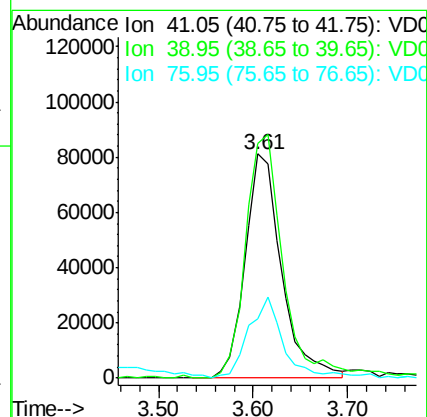
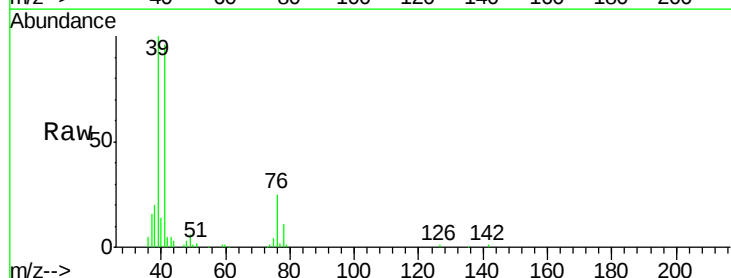
Tgt Ion: 41 Resp: 217049

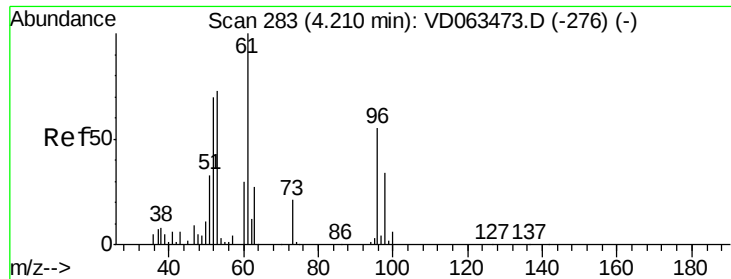
Ion Ratio Lower Upper

41 100

39 104.7 84.2 126.4

76 26.6 26.0 39.0





#15

Acrylonitrile

Concen: 114.461 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :
MSVOA_D
ClientSampled :

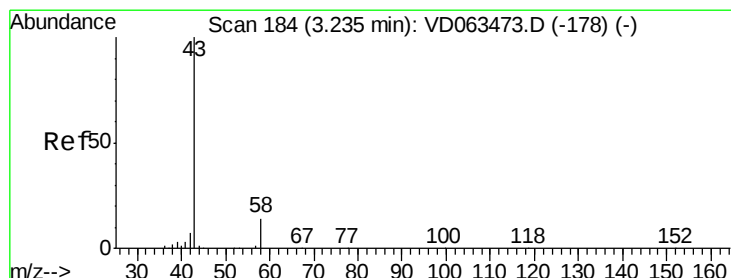
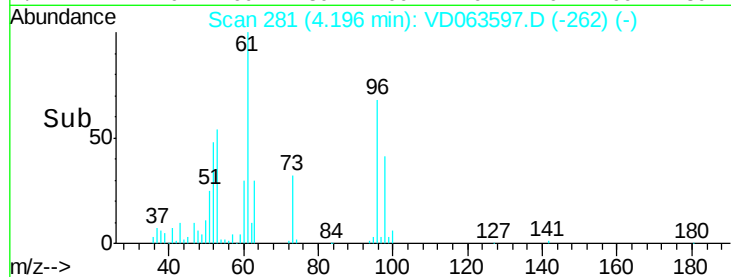
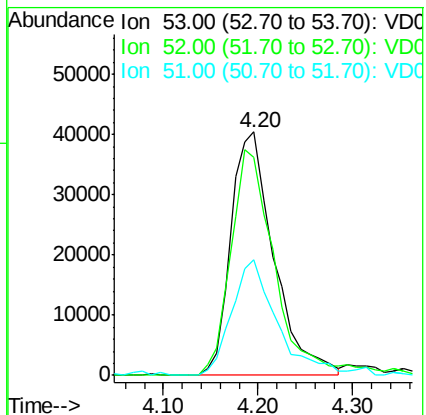
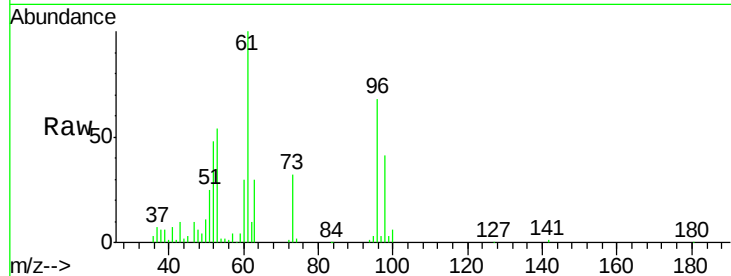
Tot Ion: 53 Resp: 127500

Ion Ratio Lower Upper

53 100

52 89.5 77.4 116.0

51 47.3 36.7 55.1



#16

Acetone

Concen: 94.722 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063597.D

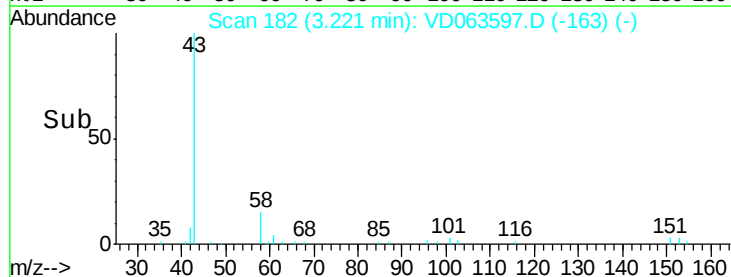
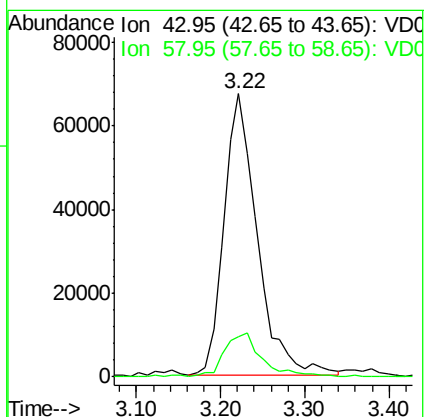
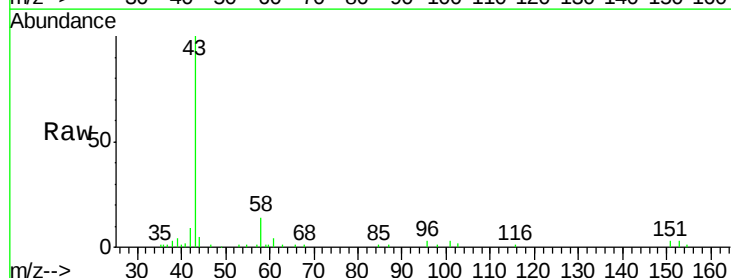
Acq: 15 Aug 2019 3:32

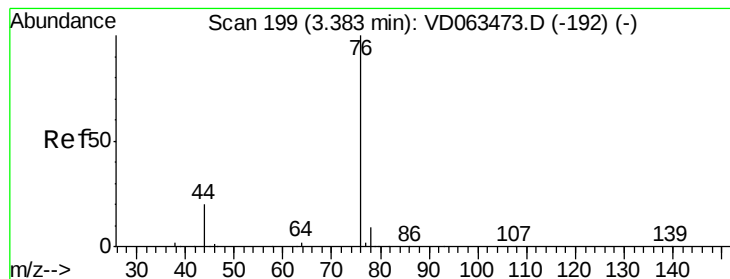
Tgt Ion: 43 Resp: 186016

Ion Ratio Lower Upper

43 100

58 14.4 11.4 17.2





#17

Carbon Disulfide

Concen: 19.274 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

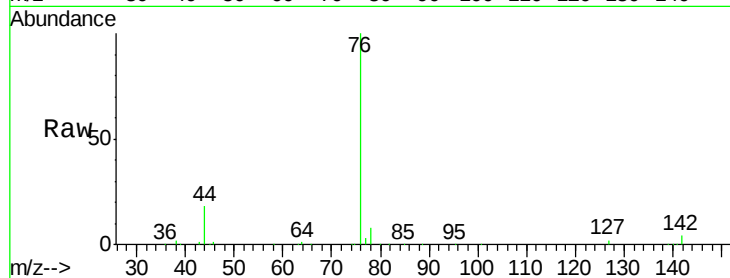
ClientSampled :

Tot Ion: 76 Resp: 444215

Ion Ratio Lower Upper

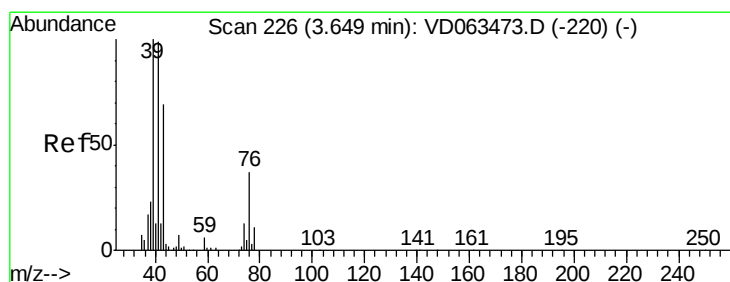
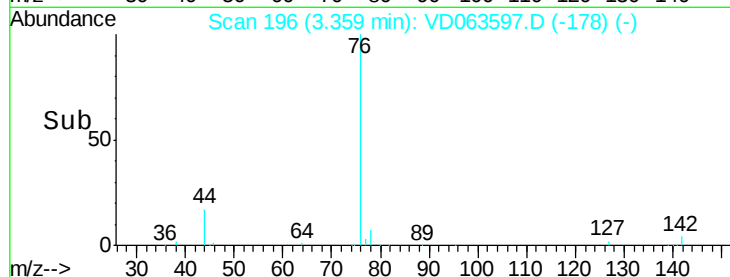
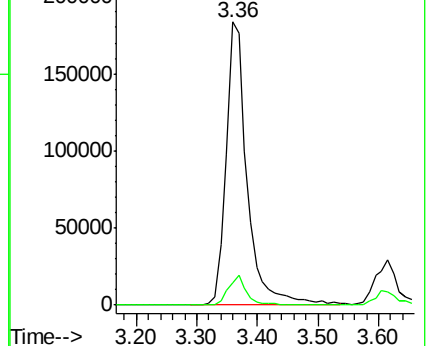
76 100

78 7.7 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 27.109 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD063597.D

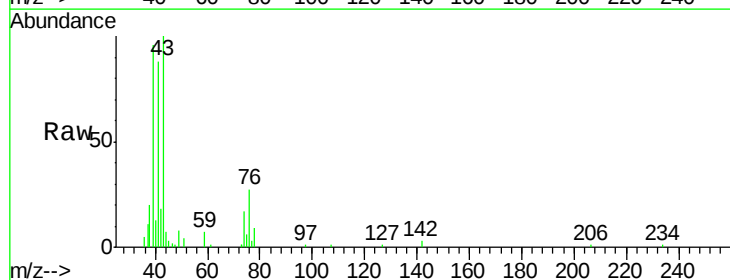
Acq: 15 Aug 2019 3:32

Tgt Ion: 43 Resp: 100837

Ion Ratio Lower Upper

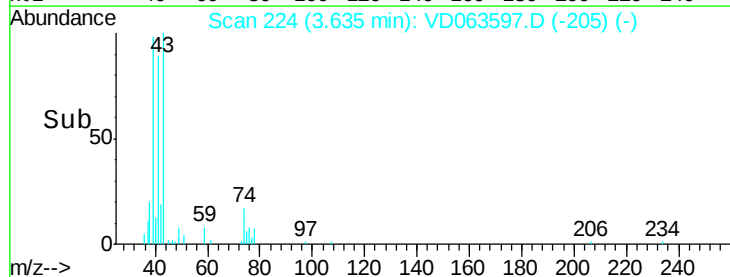
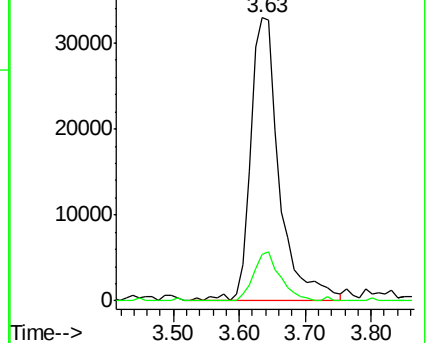
43 100

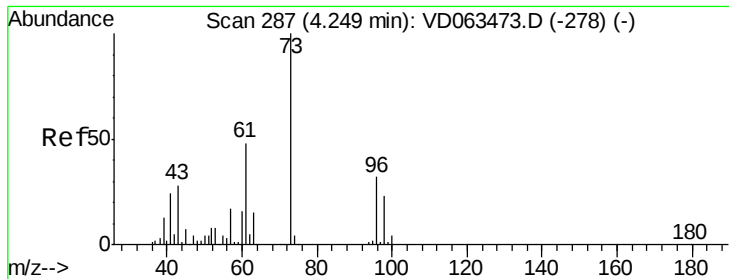
74 16.7 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

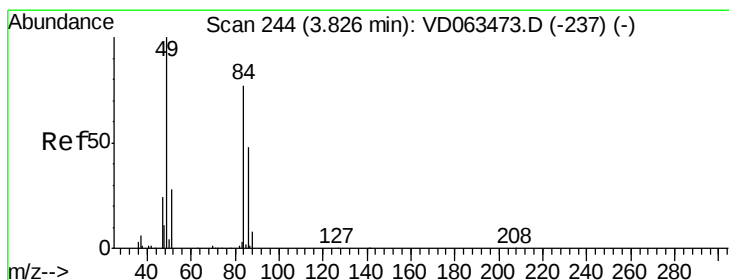
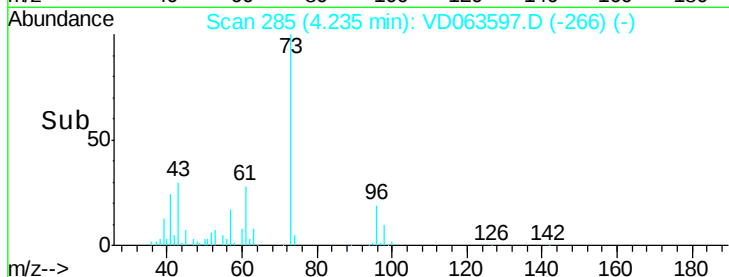
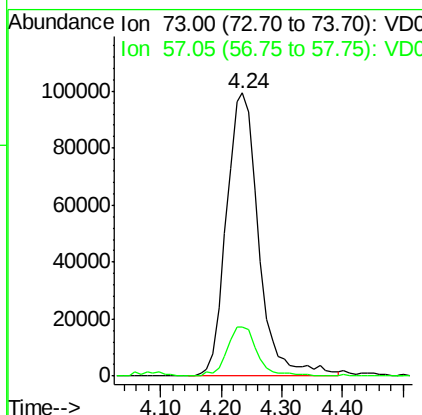
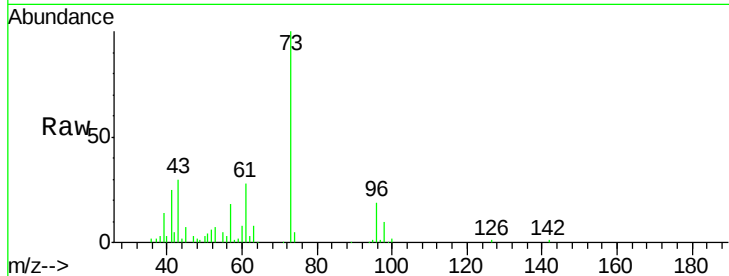




#19
Methvl tert-butvl Ether
Concen: 25.172 ug/l
RT: 4.24 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

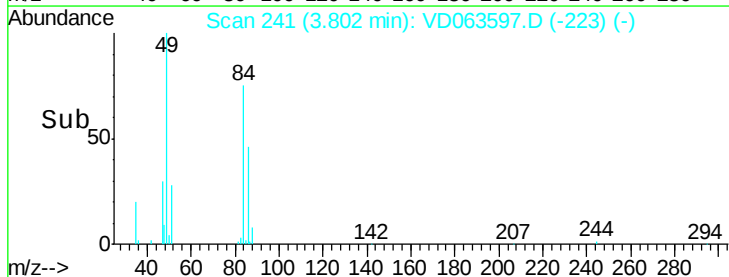
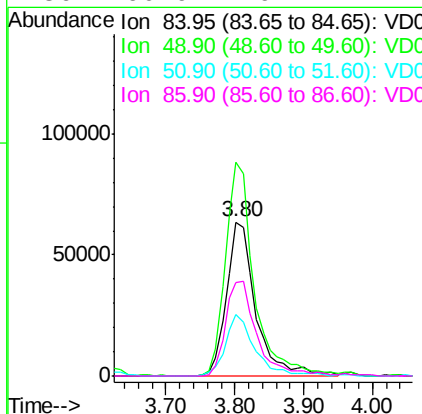
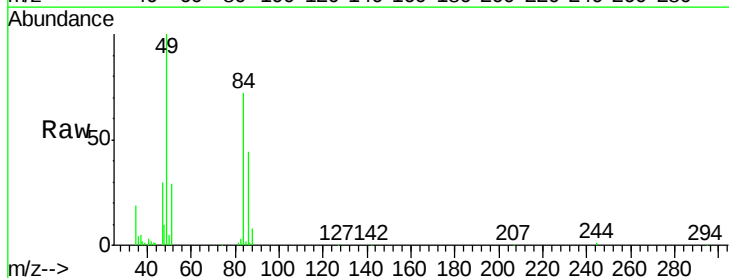
Instrument :
MSVOA_D
ClientSampled :

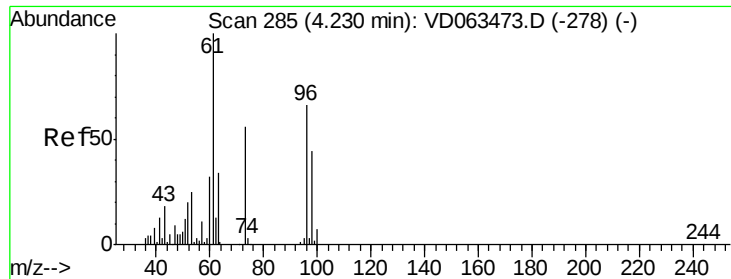
Tot Ion: 73 Resp: 367635
Ion Ratio Lower Upper
73 100
57 17.6 14.0 21.0



#20
Methylene Chloride
Concen: 22.043 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion: 84 Resp: 187183
Ion Ratio Lower Upper
84 100
49 138.6 103.4 155.2
51 39.6 28.5 42.7
86 60.9 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 22.265 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

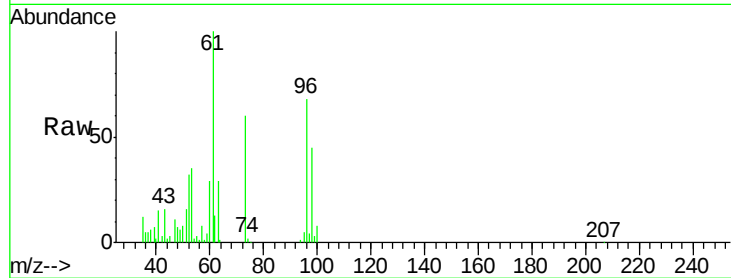
Tot Ion: 96 Resp: 171104

Ion Ratio Lower Upper

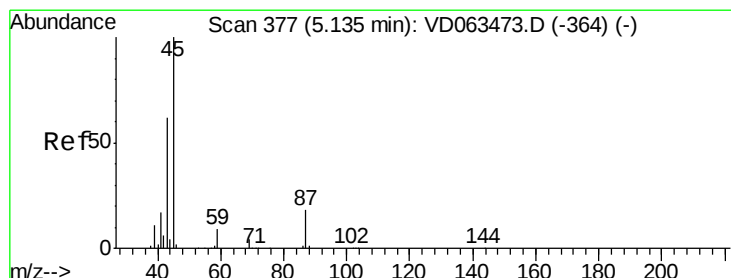
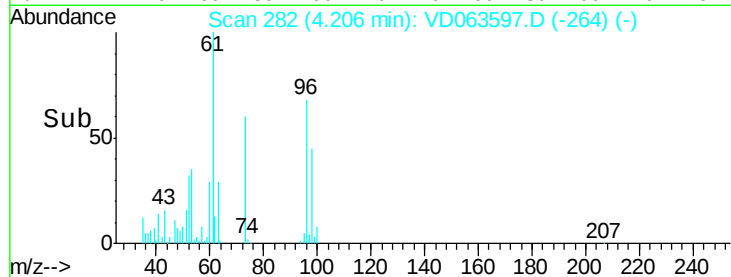
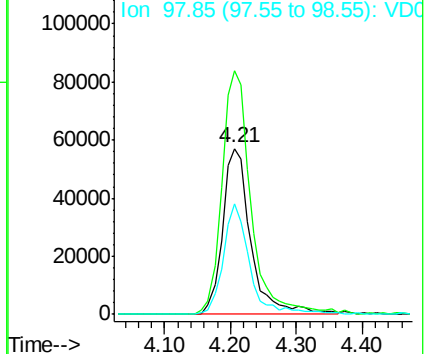
96 100

61 146.8 121.7 182.5

98 66.5 54.2 81.2



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



#22

Diisopropyl ether

Concen: 22.386 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Tgt Ion: 45 Resp: 507134

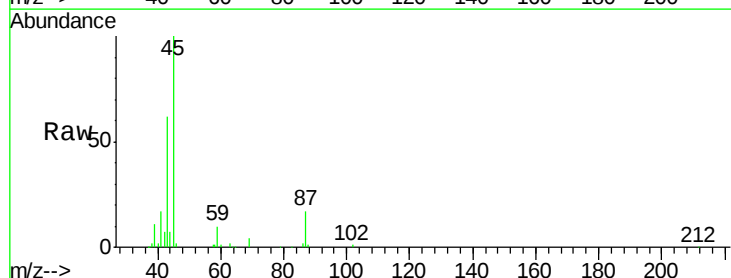
Ion Ratio Lower Upper

45 100

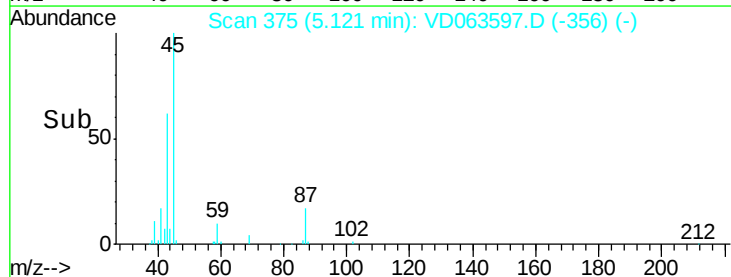
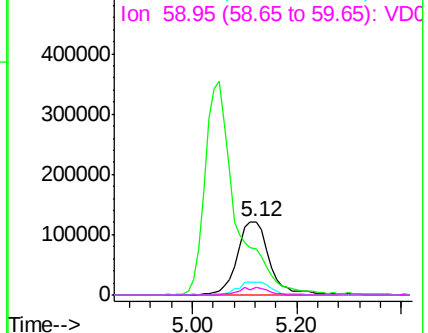
43 62.3 50.3 75.5

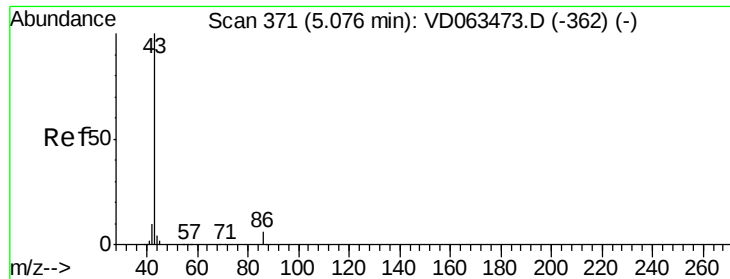
87 17.2 14.3 21.5

59 10.2 7.7 11.5



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 109.831 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

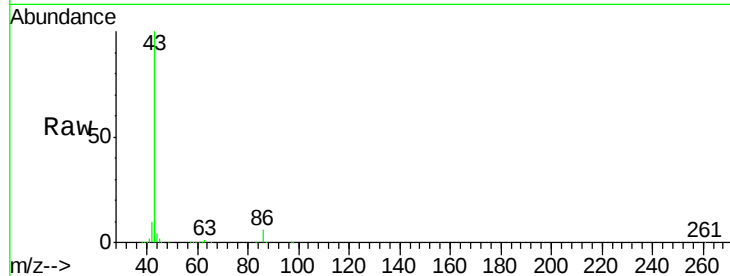
ClientSampleId :

Tot Ion: 43 Resp: 1446466

Ion Ratio Lower Upper

43 100

86 5.8 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

400000

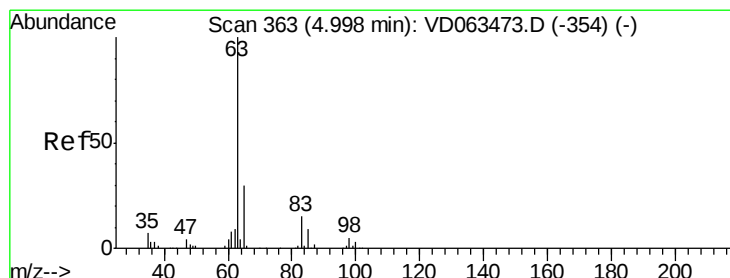
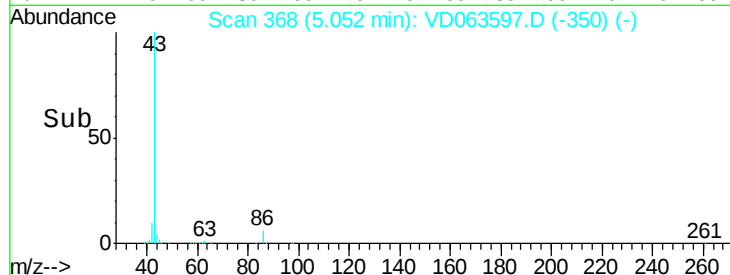
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.583 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

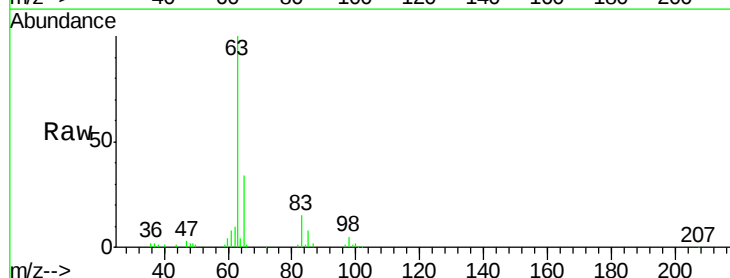
Tgt Ion: 63 Resp: 303255

Ion Ratio Lower Upper

63 100

98 4.6 2.4 7.2

100 2.3 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

4.97

100000

80000

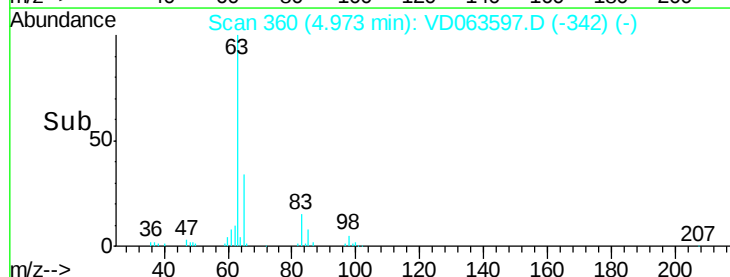
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 117.129 ug/l

RT: 6.07 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

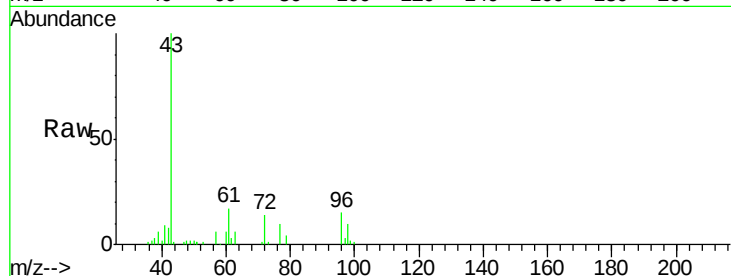
ClientSampleId :

Tot Ion: 43 Resp: 227174

Ion Ratio Lower Upper

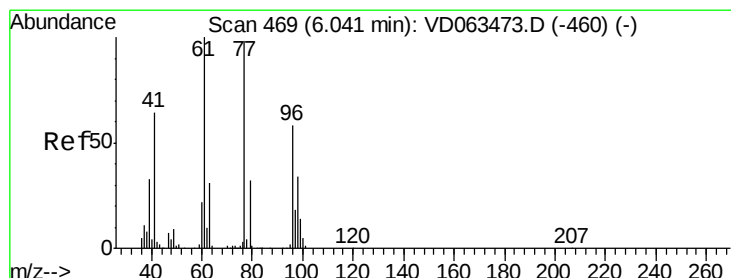
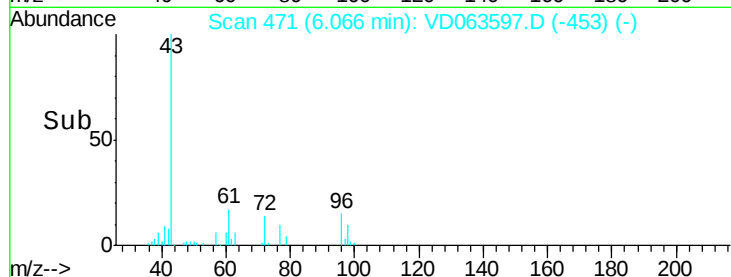
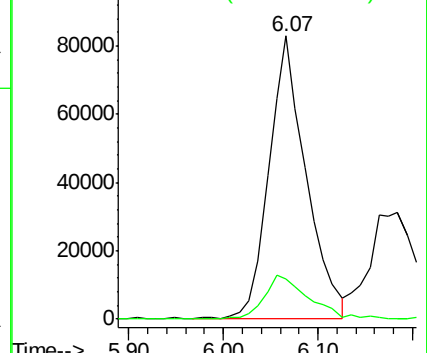
43 100

72 14.3 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: 19.447 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD063597.D

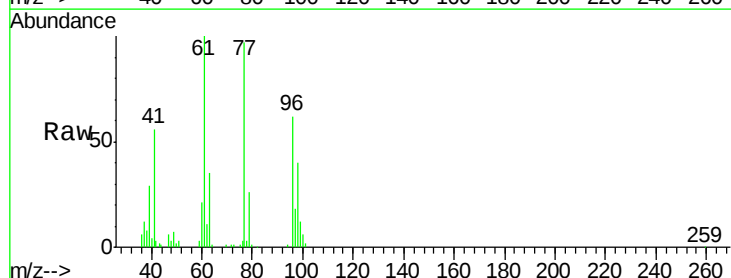
Acq: 15 Aug 2019 3:32

Tgt Ion: 77 Resp: 272159

Ion Ratio Lower Upper

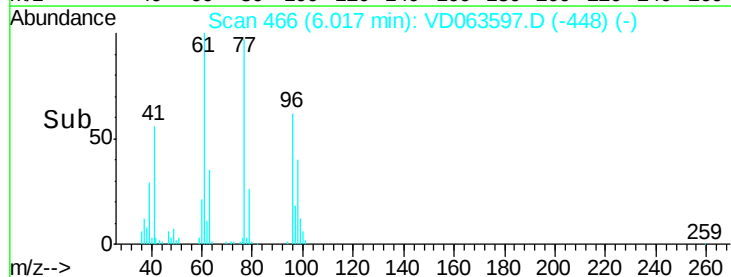
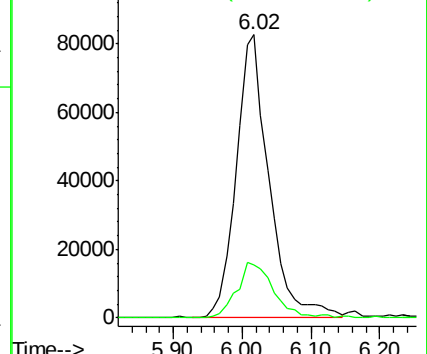
77 100

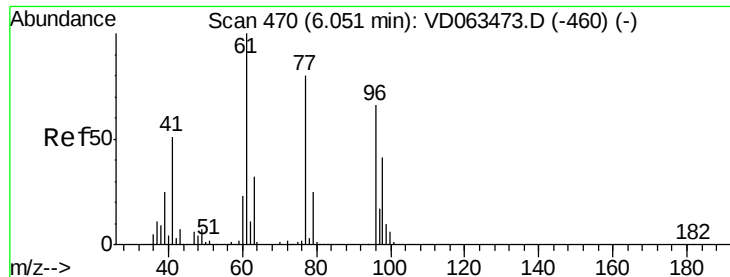
97 18.6 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



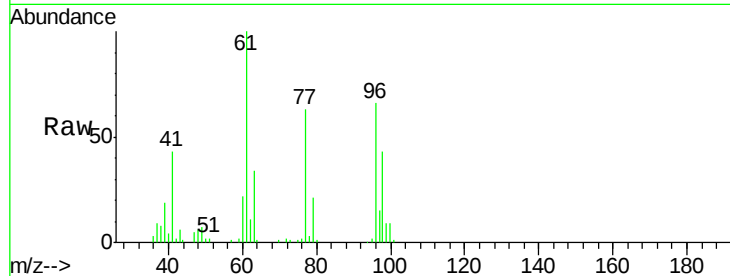


#27

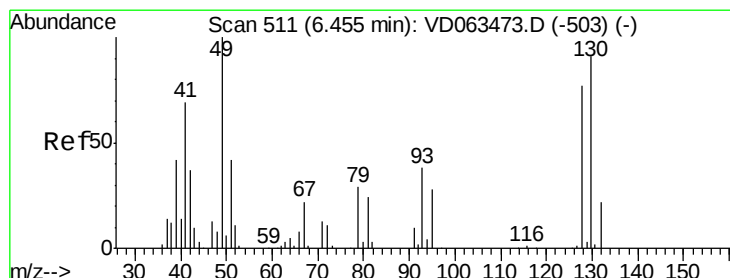
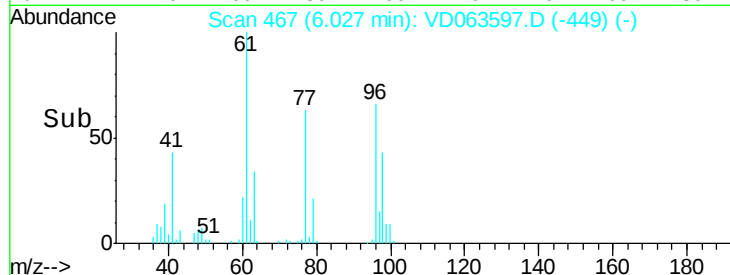
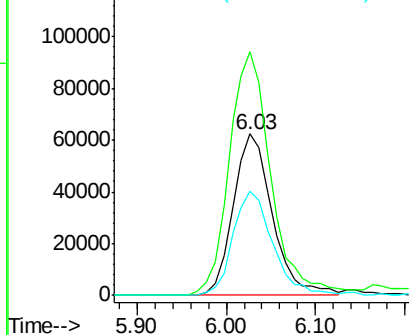
cis-1,2-Dichloroethene
Concen: 22.703 ug/l
RT: 6.03 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	304.0
98	64.8	0.0	124.8



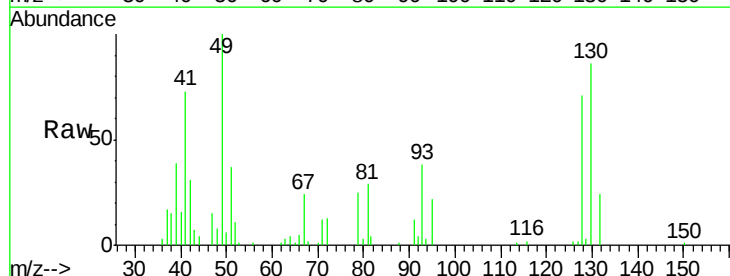
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



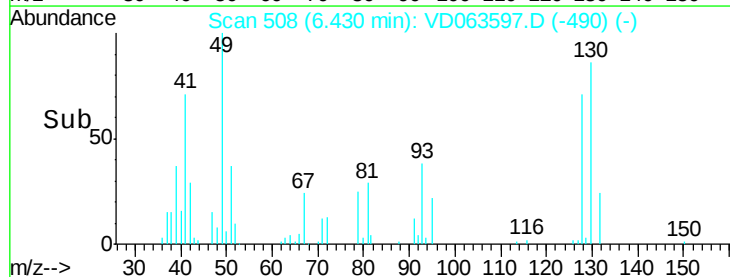
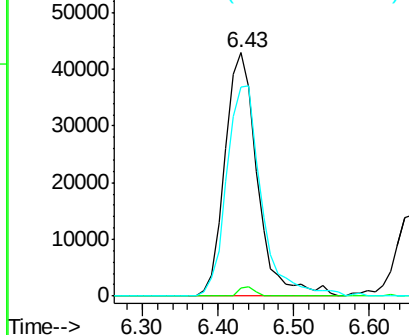
#28

Bromochloromethane
Concen: 22.347 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	6.4
130	86.0	72.4	108.6



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





#29

Tetrahydrofuran

Concen: 116.407 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

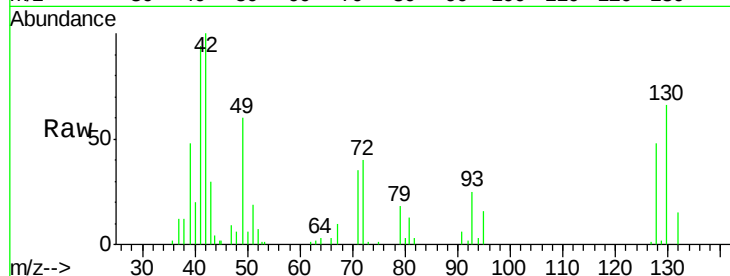
Tot Ion: 42 Resp: 105205

Ion Ratio Lower Upper

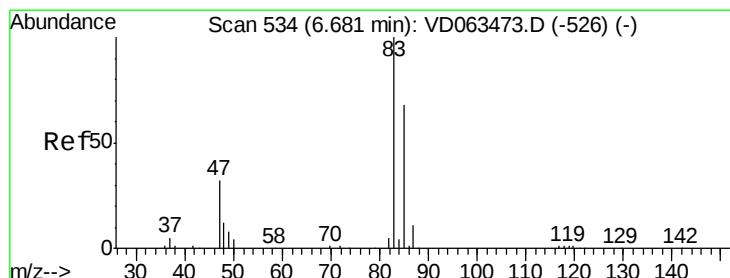
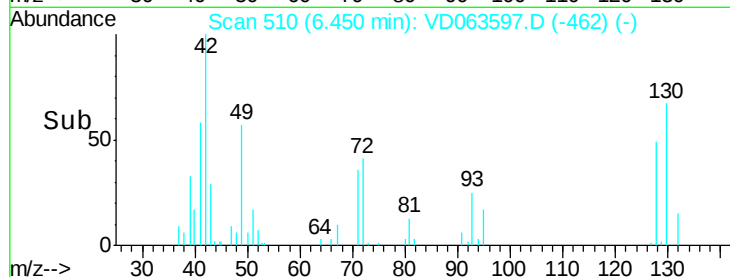
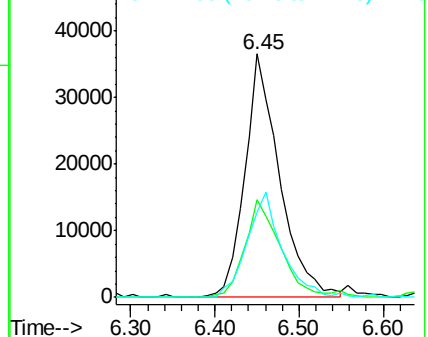
42 100

72 40.7 31.5 47.3

71 43.3 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: 22.664 ug/l

RT: 6.66 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD063597.D

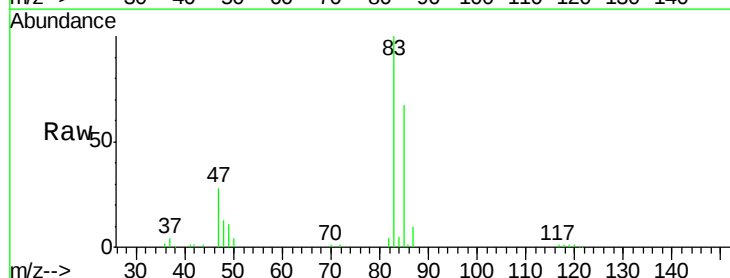
Acq: 15 Aug 2019 3:32

Tgt Ion: 83 Resp: 395824

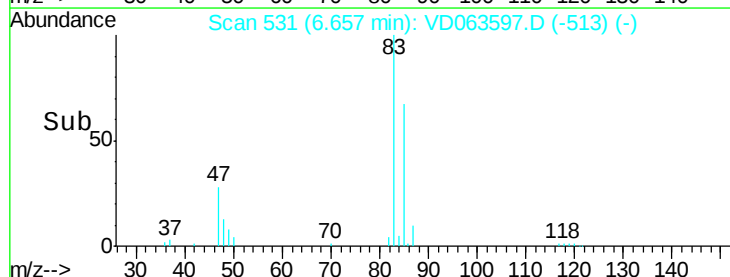
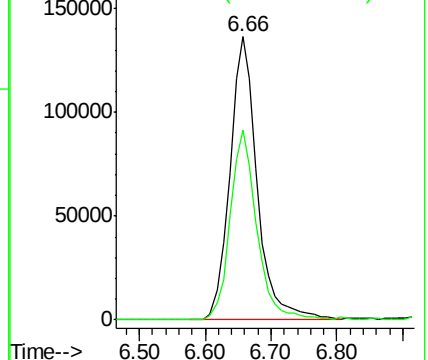
Ion Ratio Lower Upper

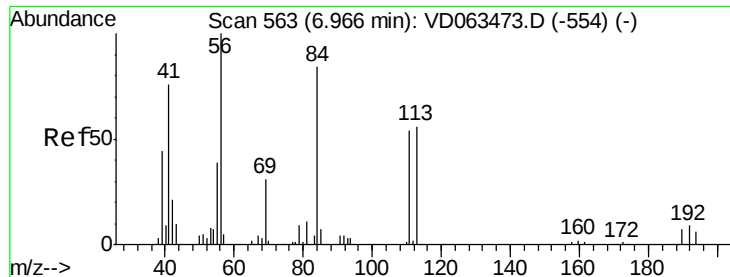
83 100

85 67.1 54.8 82.2



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

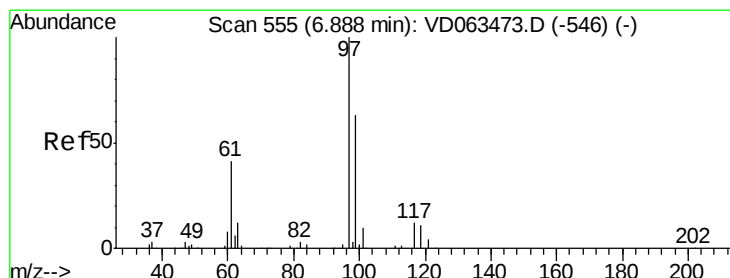
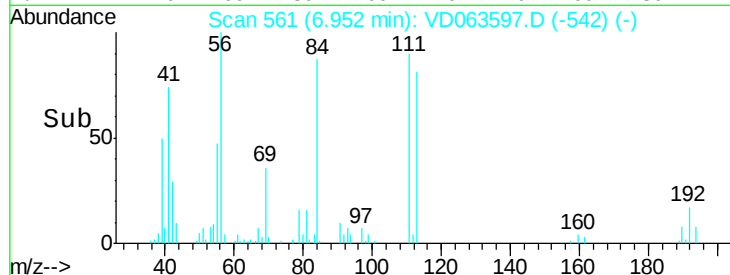
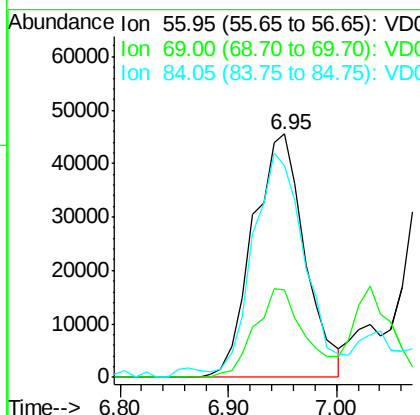
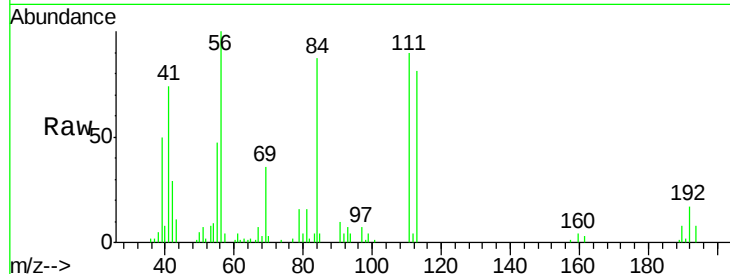




#31
Cyclohexane
Concen: 17.488 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

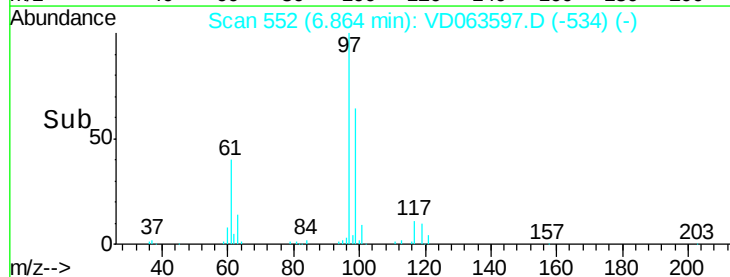
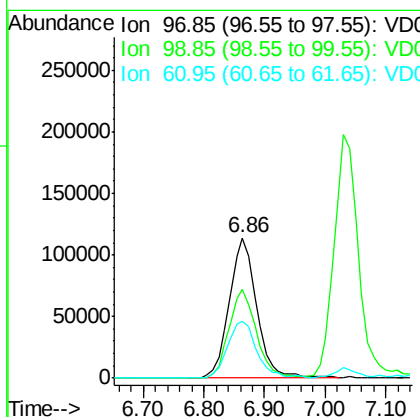
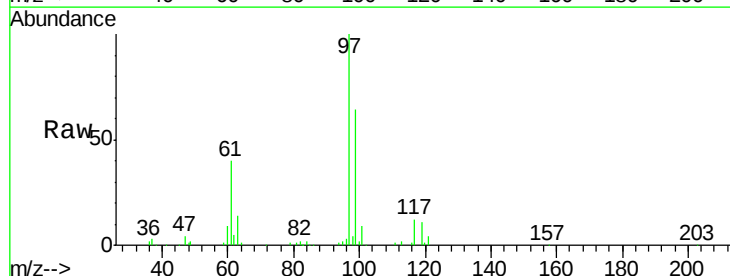
Instrument :
MSVOA_D
ClientSampleId :

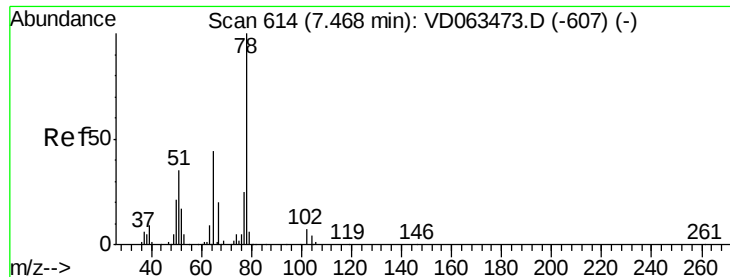
Tot Ion: 56 Resp: 152541
Ion Ratio Lower Upper
56 100
69 35.7 25.0 37.6
84 87.0 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 21.465 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion: 97 Resp: 358601
Ion Ratio Lower Upper
97 100
99 63.7 50.2 75.4
61 40.1 33.1 49.7

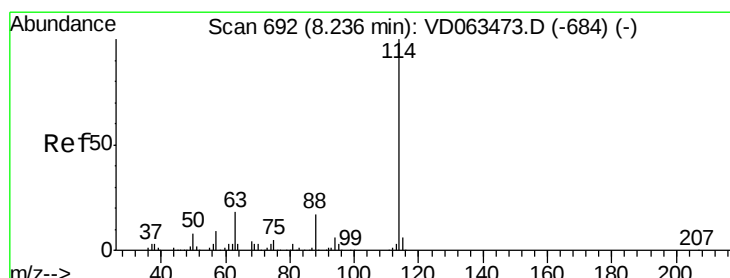
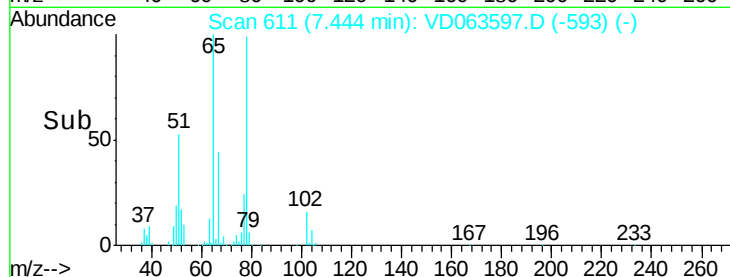
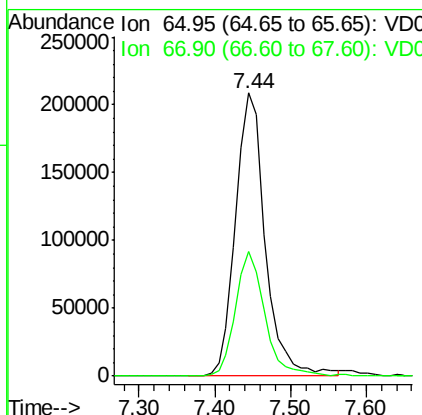
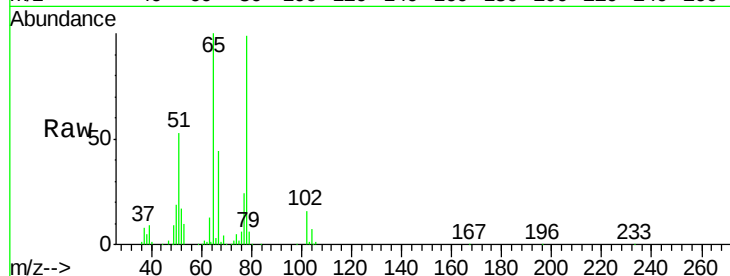




#33
 1,2-Dichloroethane-d4
 Concen: 58.593 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

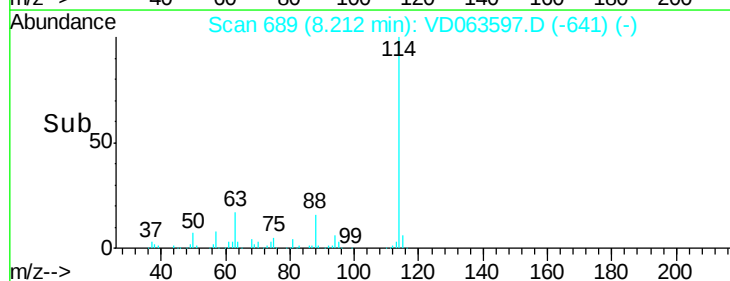
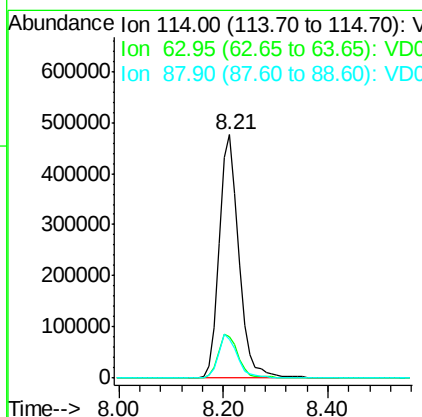
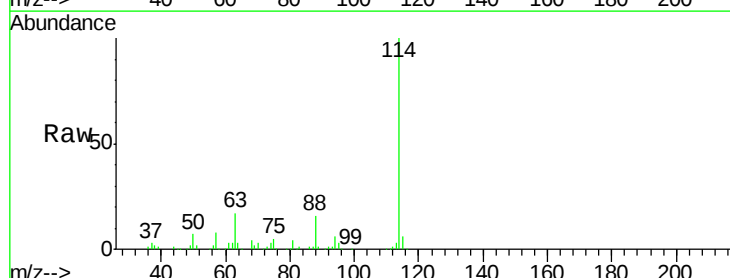
Instrument :
 MSVOA_D
 ClientSampleId :

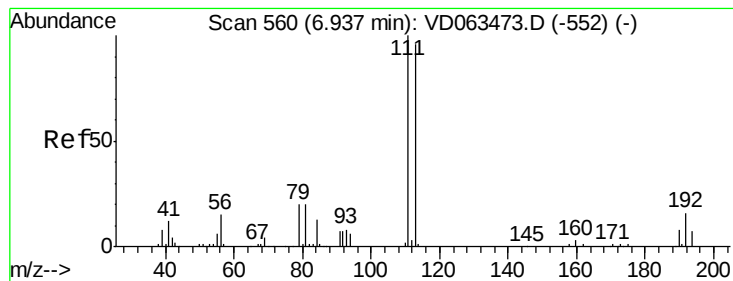
Tot Ion: 65 Resp: 566040
 Ion Ratio Lower Upper
 65 100
 67 43.9 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Tgt Ion: 114 Resp: 1248869
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 36.2
 88 16.0 0.0 35.0





#35

Dibromofluoromethane

Concen: 58.048 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

ClientSampled :

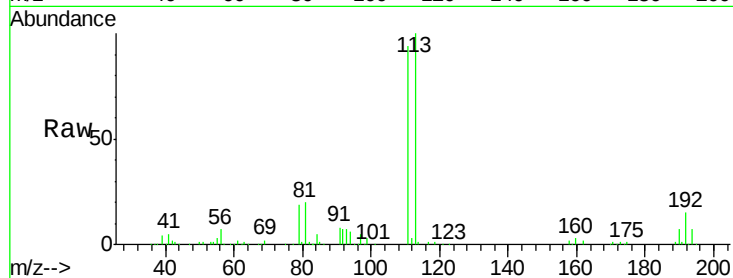
Tot Ion:113 Resp: 610549

Ion Ratio Lower Upper

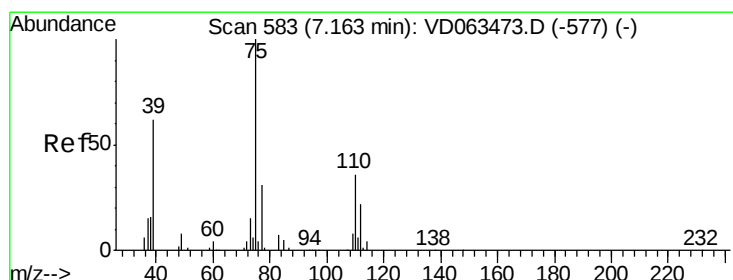
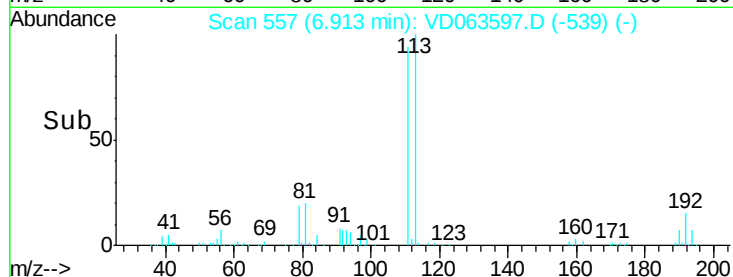
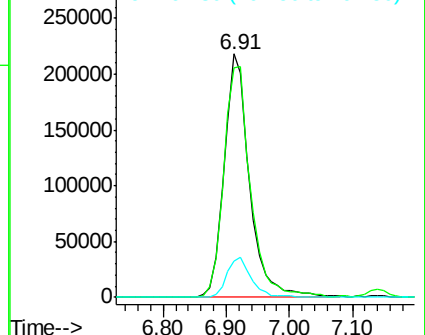
113 100

111 94.2 83.1 124.7

192 14.9 13.1 19.7



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



#36

1,1-Dichloropropene

Concen: 21.081 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

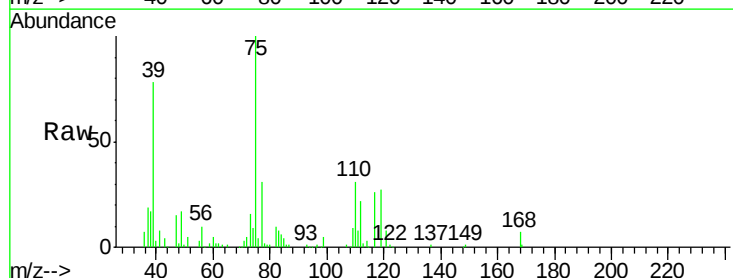
Tgt Ion: 75 Resp: 232743

Ion Ratio Lower Upper

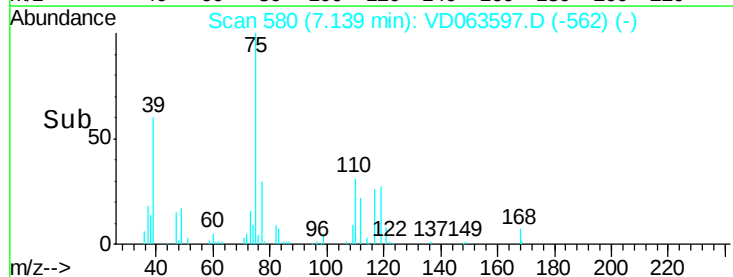
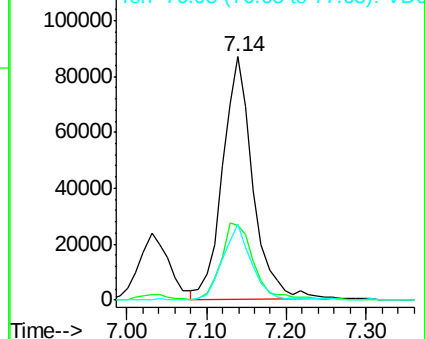
75 100

110 30.6 17.6 52.8

77 31.2 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

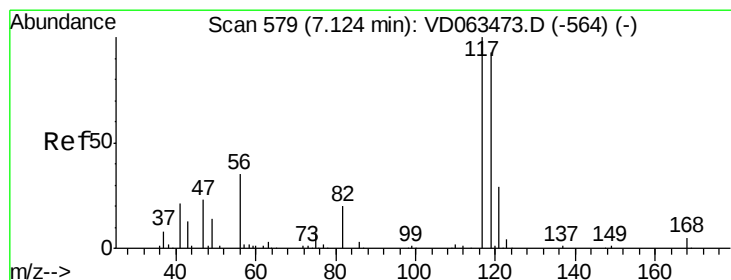
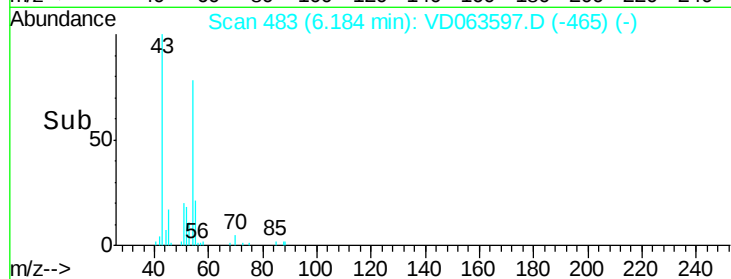
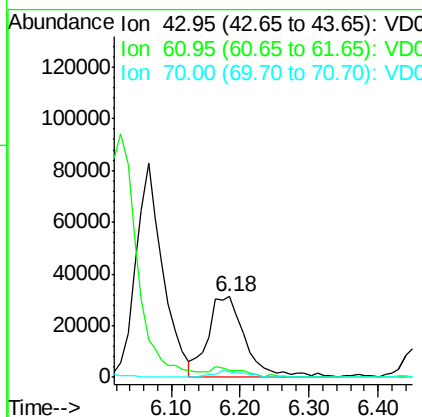
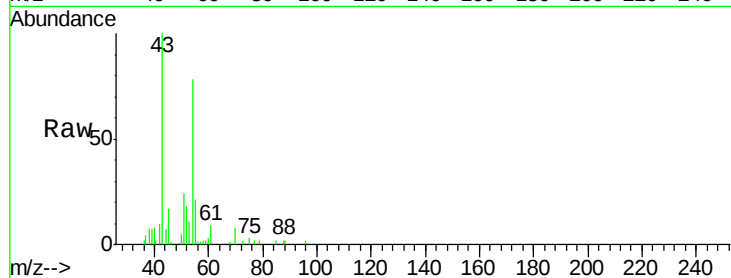




#37
Ethyl Acetate
Concen: 24.364 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

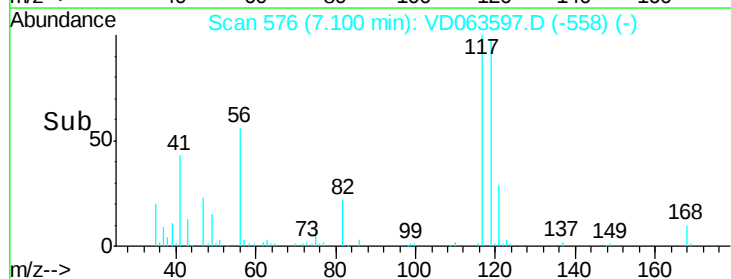
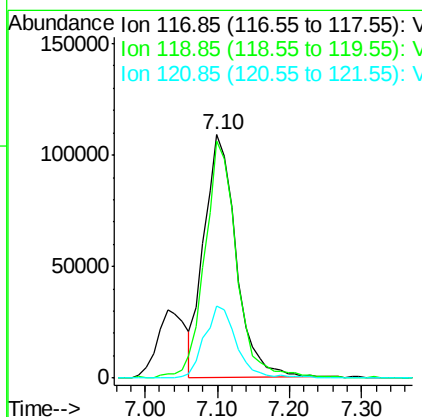
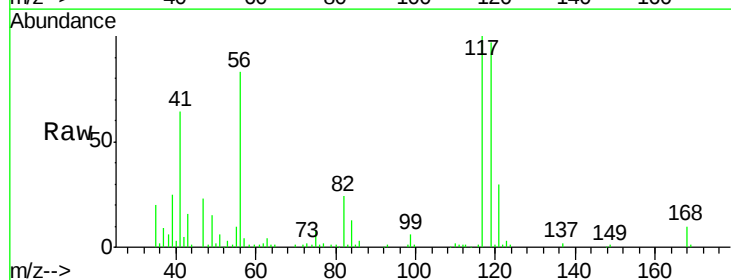
Instrument :
MSVOA_D
ClientSampled :

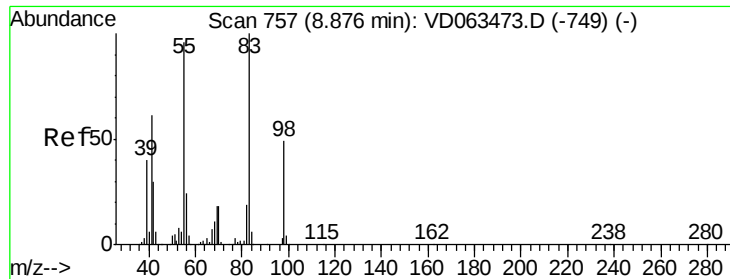
Tot Ion: 43 Resp: 112714
Ion Ratio Lower Upper
43 100
61 9.1 9.0 13.6
70 7.6 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.924 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion: 117 Resp: 331517
Ion Ratio Lower Upper
117 100
119 97.5 74.2 111.2
121 29.5 23.1 34.7

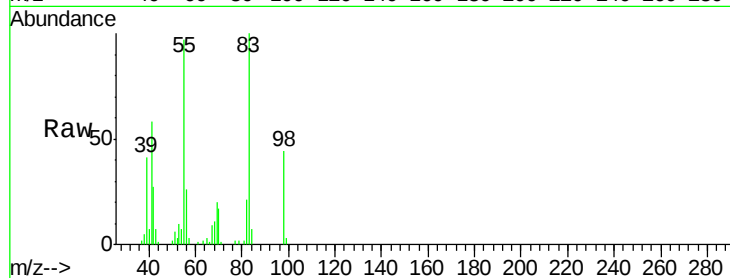




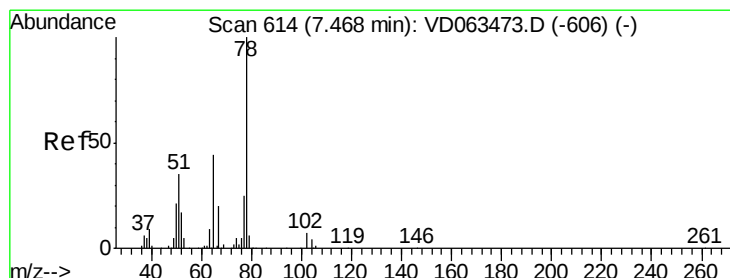
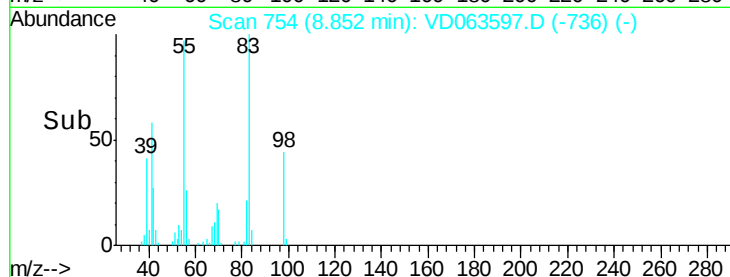
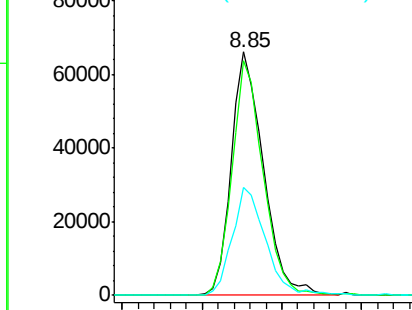
#39
Methvlcvclohexane
Concen: 19.847 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 186320
Ion Ratio Lower Upper
83 100
55 96.6 76.6 114.8
98 44.1 39.4 59.0

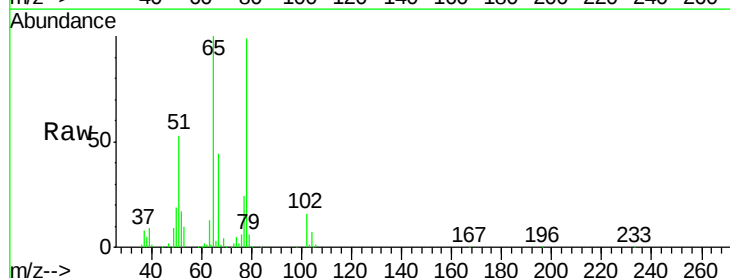


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

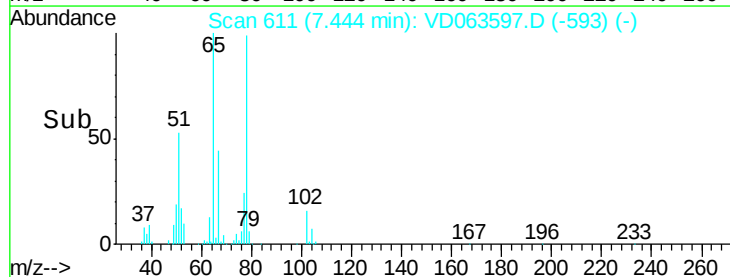
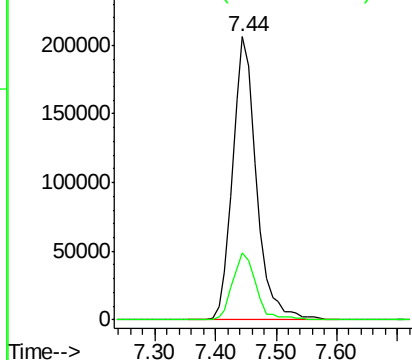


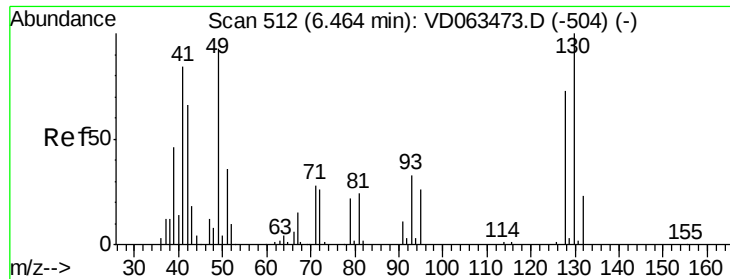
#40
Benzene
Concen: 23.195 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion: 78 Resp: 563531
Ion Ratio Lower Upper
78 100
77 23.9 20.1 30.1



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

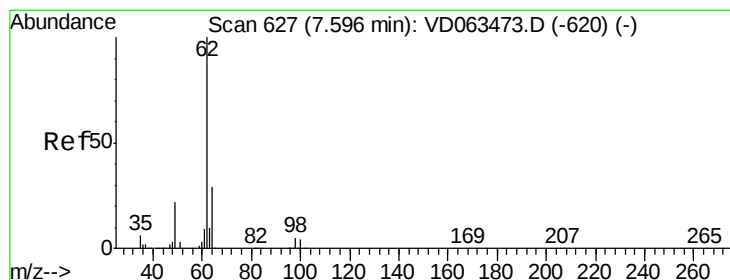
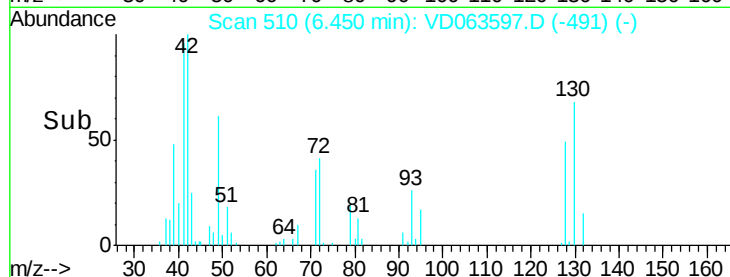
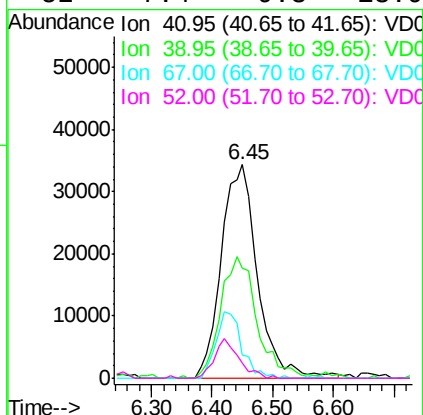
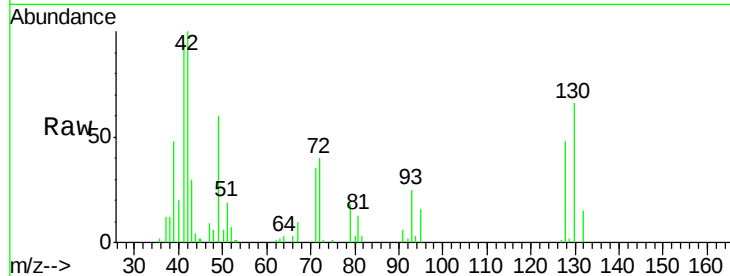




#41
Methacrylonitrile
Concen: 24.343 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

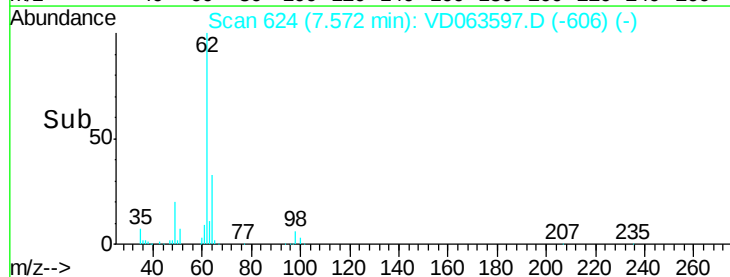
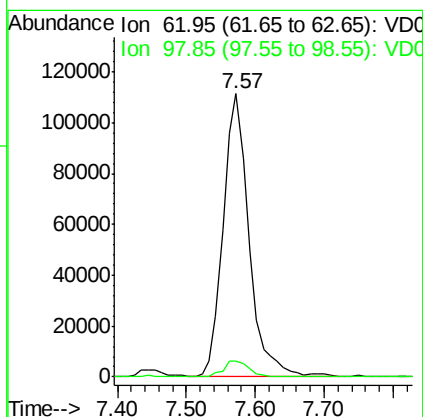
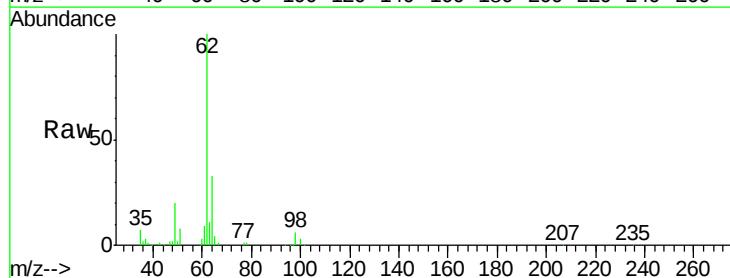
Instrument :
MSVOA_D
ClientSampleId :

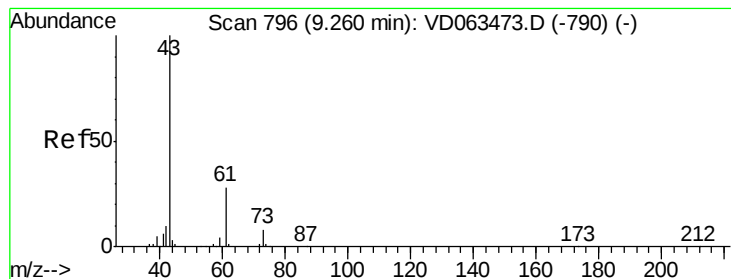
Tot Ion:	41	Resp:	141796
Ion	Ratio	Lower	Upper
41	100		
39	51.6	44.6	66.8
67	10.9	14.4	21.6#
52	7.4	9.3	13.9#



#42
1,2-Dichloroethane
Concen: 23.797 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion:	62	Resp:	290719
Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	10.4





#43

Isopropyl Acetate

Concen: 23.237 ug/l

RT: 9.24 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

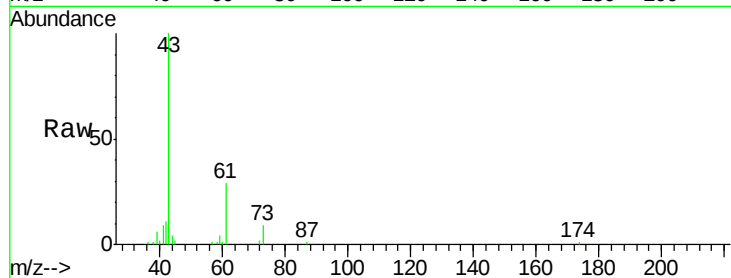
Tot Ion: 43 Resp: 143975

Ion Ratio Lower Upper

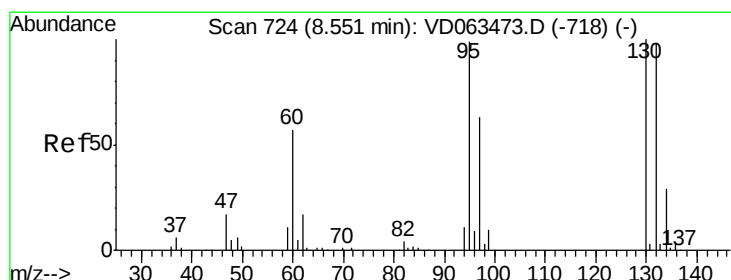
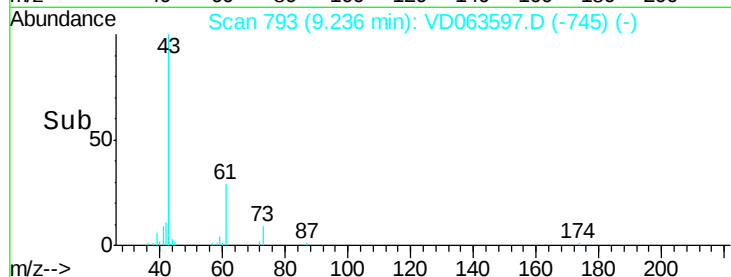
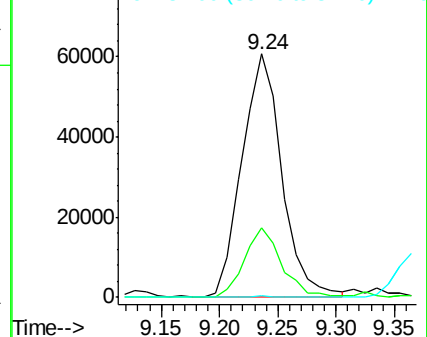
43 100

61 28.6 22.2 33.2

87 0.6 0.2 0.4#



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



#44

Trichloroethene

Concen: 20.991 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD063597.D

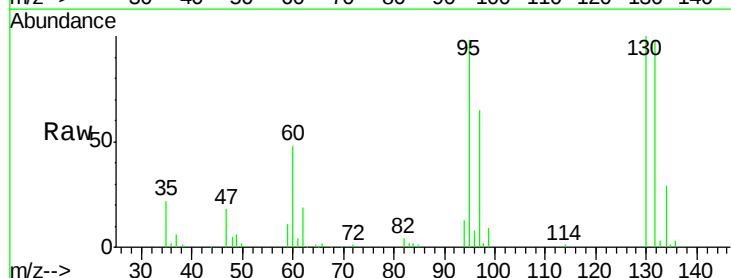
Acq: 15 Aug 2019 3:32

Tgt Ion:130 Resp: 194926

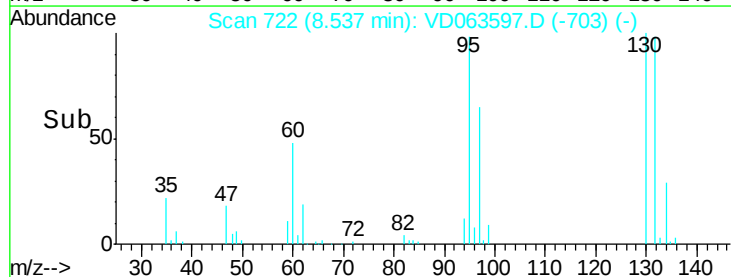
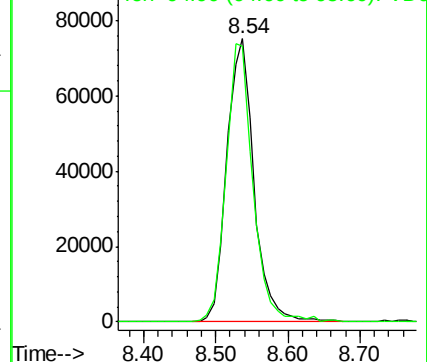
Ion Ratio Lower Upper

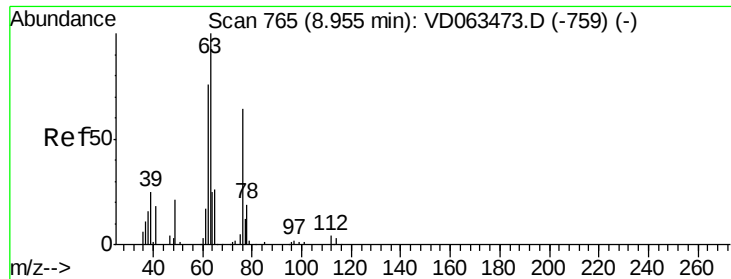
130 100

95 97.6 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 24.806 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

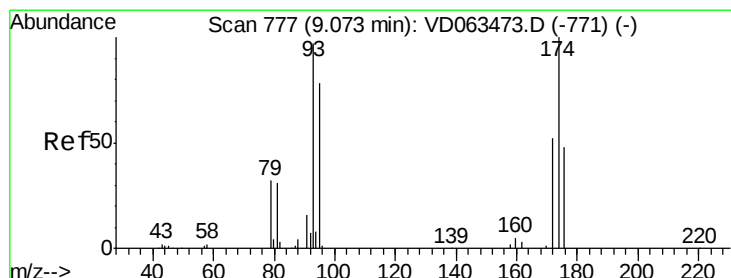
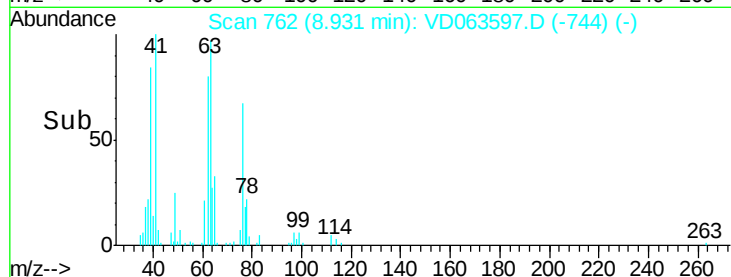
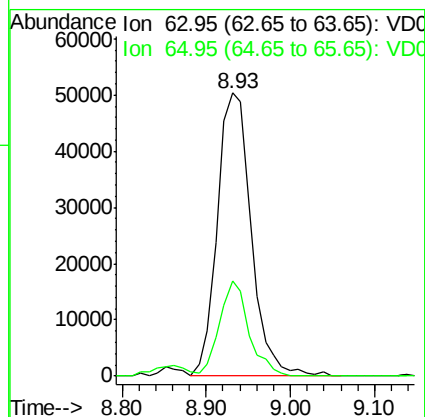
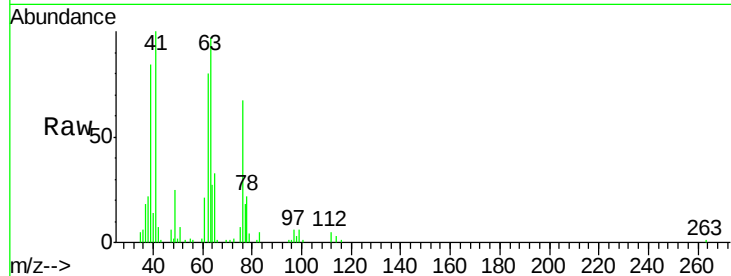
ClientSampled :

Tot Ion: 63 Resp: 140349

Ion Ratio Lower Upper

63 100

65 33.6 22.5 33.7



#46

Dibromomethane

Concen: 24.836 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

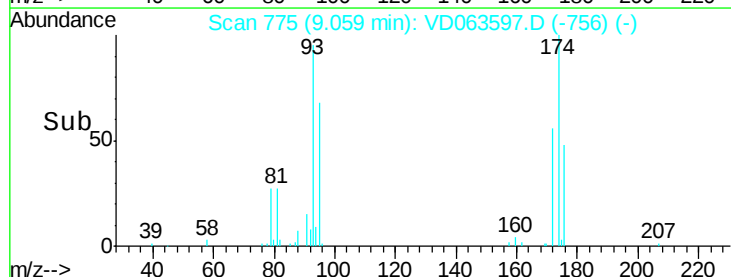
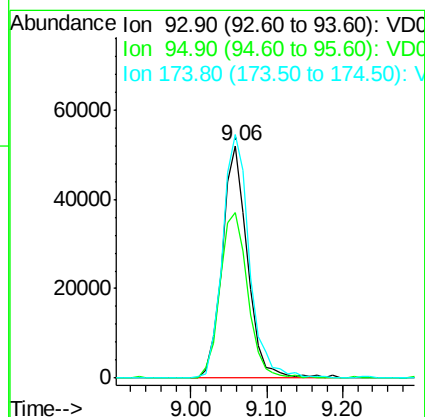
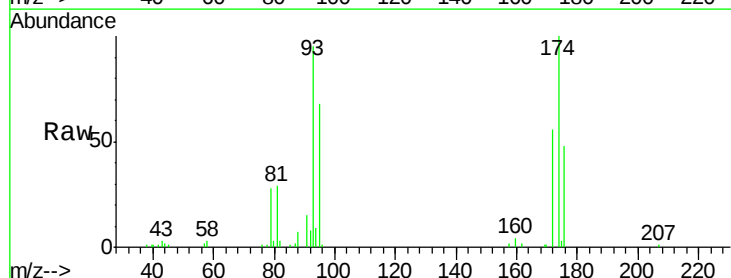
Tgt Ion: 93 Resp: 120000

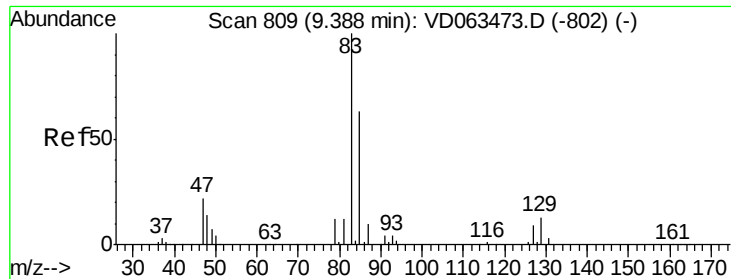
Ion Ratio Lower Upper

93 100

95 71.4 64.2 96.2

174 104.8 82.1 123.1





#47

Bromodichloromethane

Concen: 24.250 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

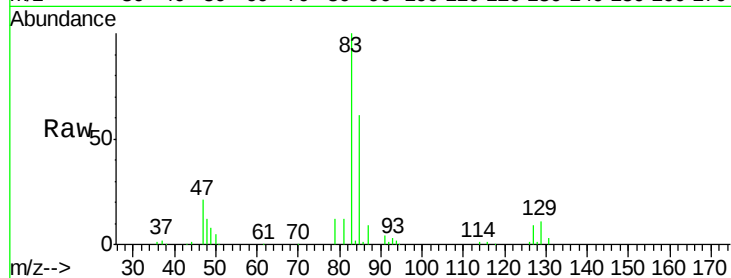
Tot Ion: 83 Resp: 300554

Ion Ratio Lower Upper

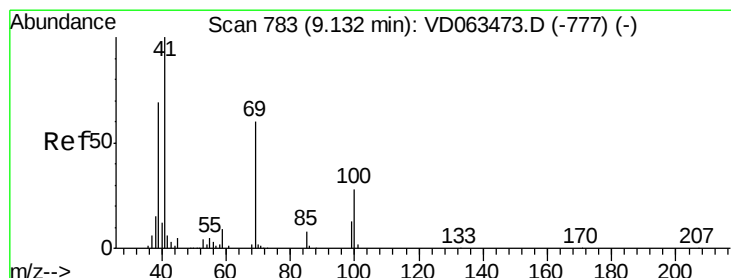
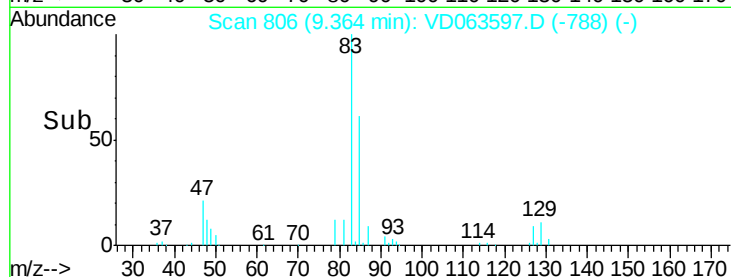
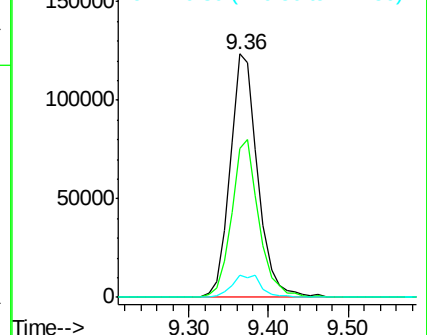
83 100

85 60.9 50.1 75.1

127 9.1 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: 25.942 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

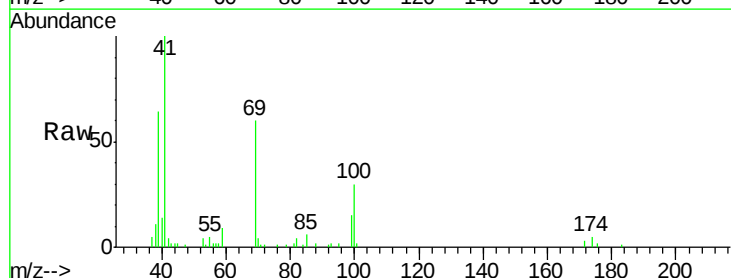
Tgt Ion: 41 Resp: 109008

Ion Ratio Lower Upper

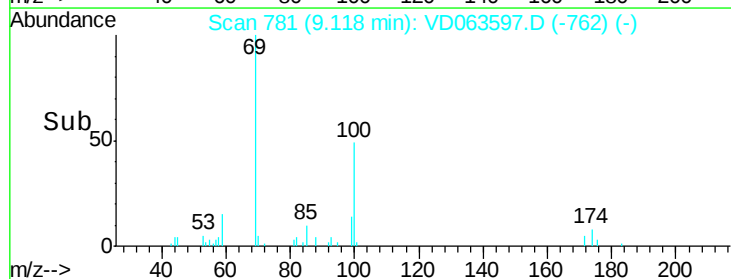
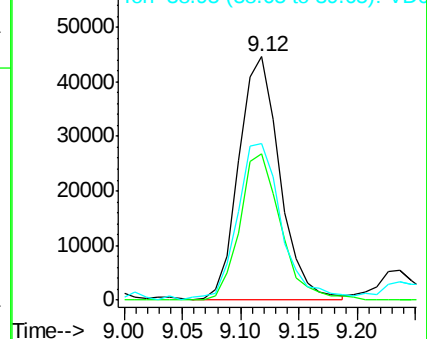
41 100

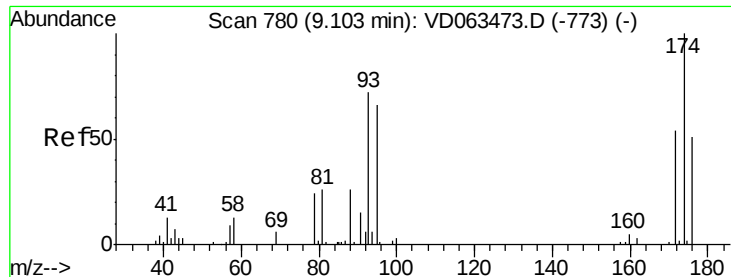
69 60.2 47.6 71.4

39 64.4 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

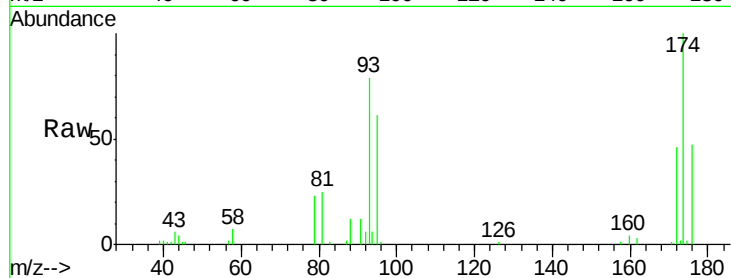




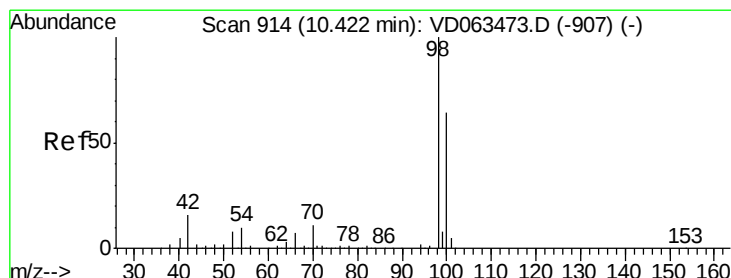
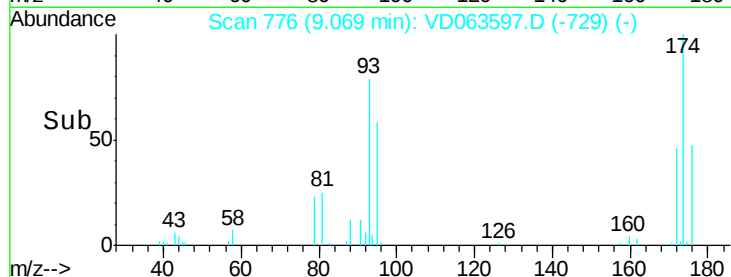
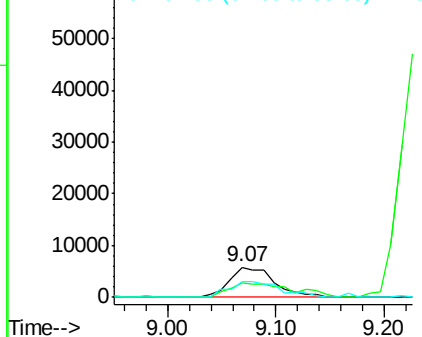
#49
 1,4-Dioxane
 Concen: 464.897 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. -0.03 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 16935
 Ion Ratio Lower Upper
 88 100
 43 50.2 22.9 34.3#
 58 53.8 40.1 60.1

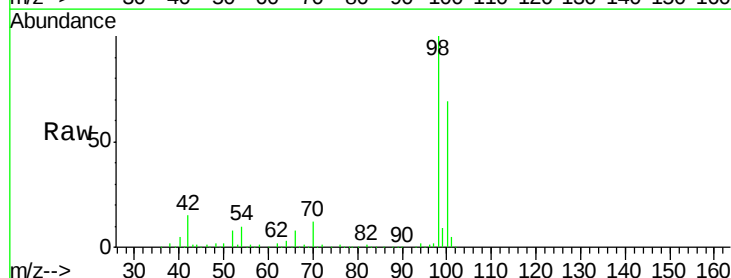


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

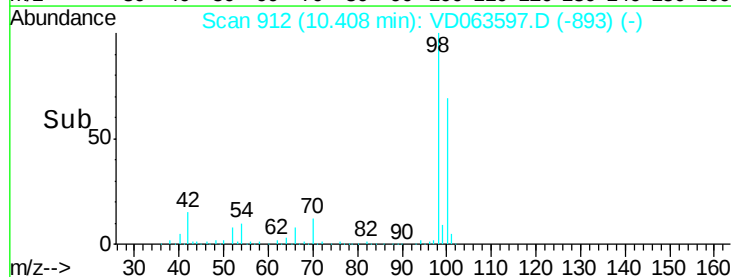
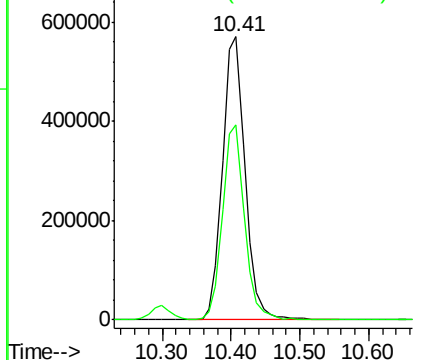


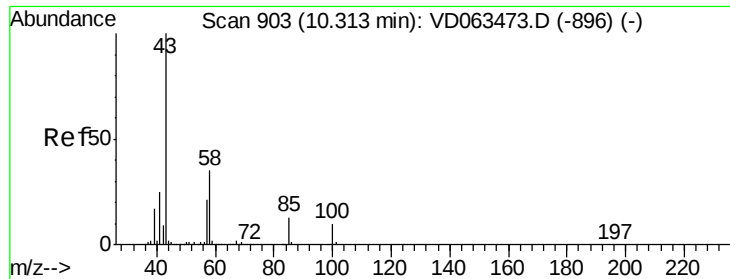
#50
 Toluene-d8
 Concen: 55.976 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Tgt Ion: 98 Resp: 1294422
 Ion Ratio Lower Upper
 98 100
 100 69.1 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: 126.686 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

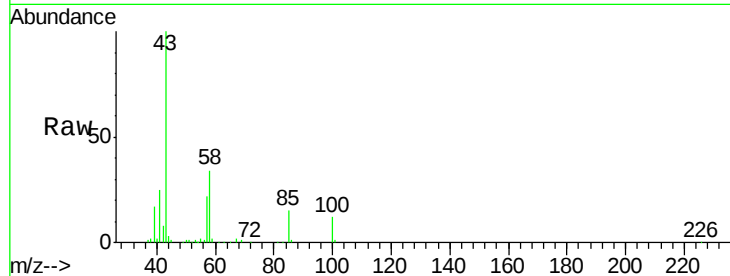
ClientSampled :

Tot Ion: 43 Resp: 537117

Ion Ratio Lower Upper

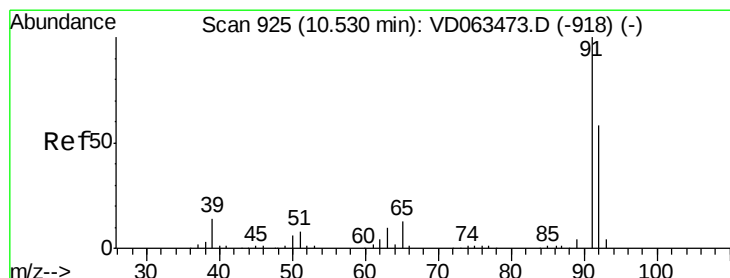
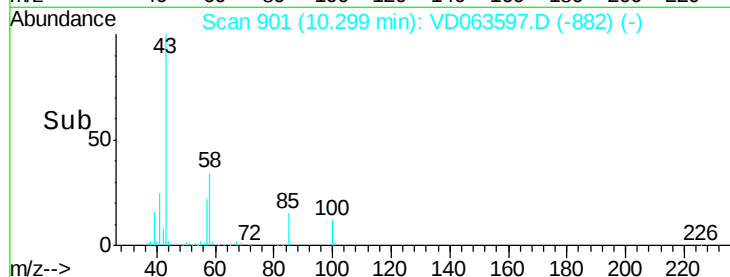
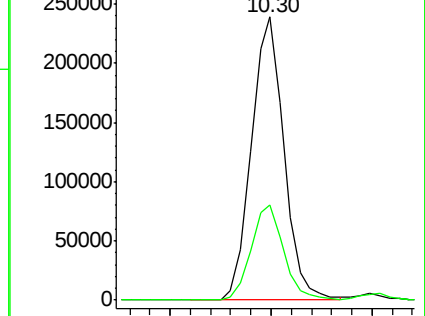
43 100

58 33.6 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: 21.271 ug/l

RT: 10.50 min Scan# 921

Delta R.T. -0.03 min

Lab File: VD063597.D

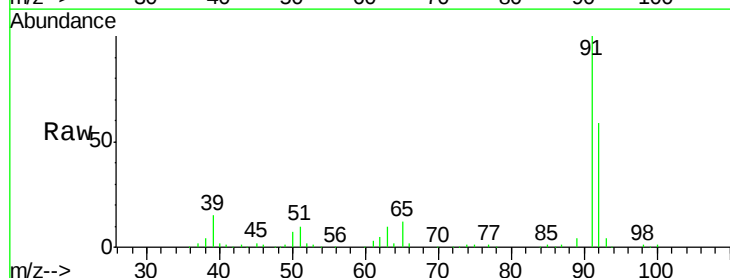
Acq: 15 Aug 2019 3:32

Tgt Ion: 92 Resp: 332866

Ion Ratio Lower Upper

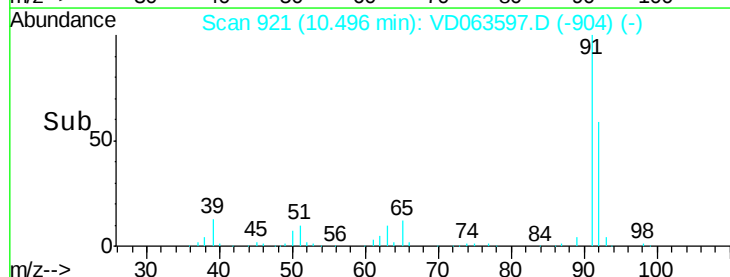
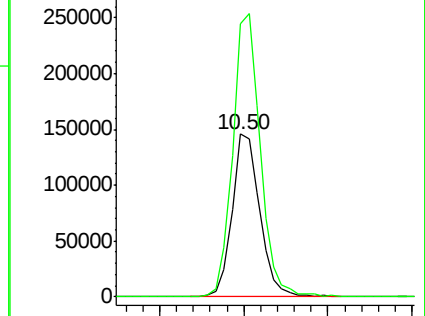
92 100

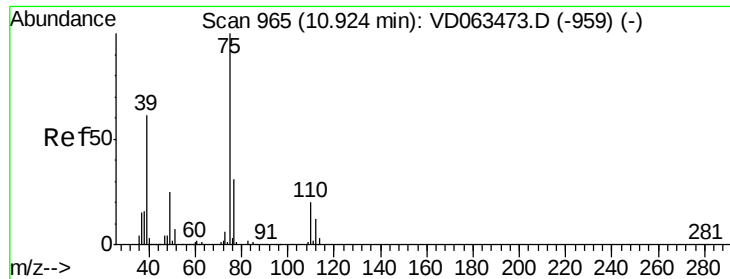
91 168.2 137.9 206.9



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: 23.758 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

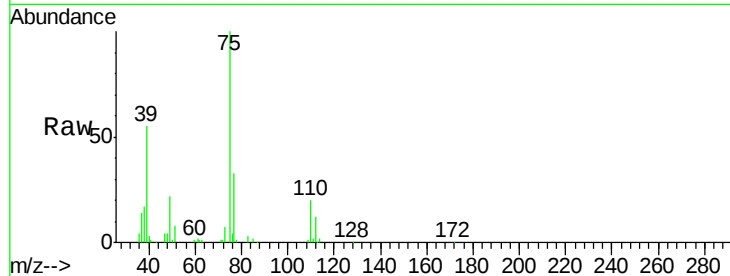
ClientSampled :

Tot Ion: 75 Resp: 240305

Ion Ratio Lower Upper

75 100

77 33.2 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

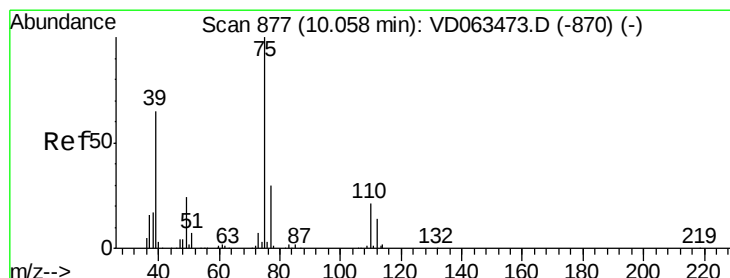
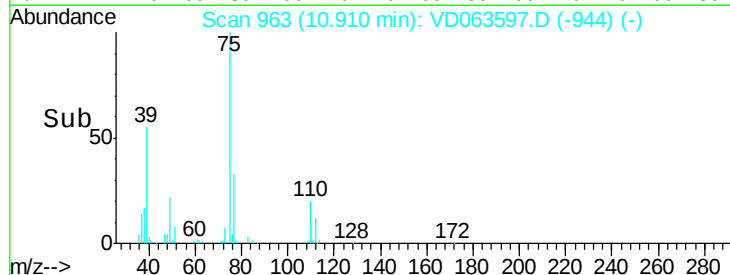
10.91

100000

50000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 23.777 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

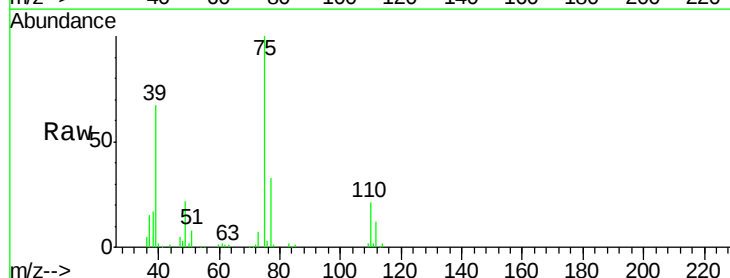
Tgt Ion: 75 Resp: 271178

Ion Ratio Lower Upper

75 100

77 33.0 23.7 35.5

39 67.0 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.03

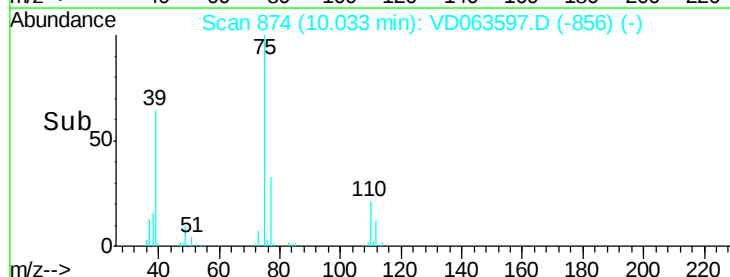
150000

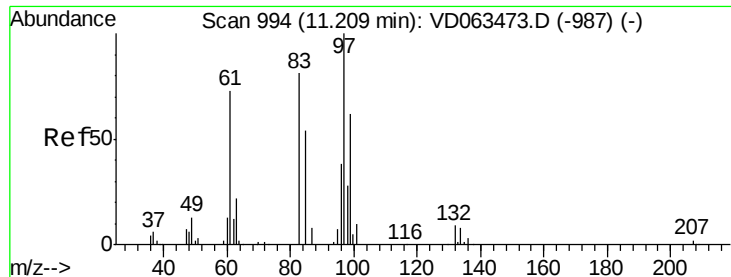
100000

50000

0

Time--> 9.90 10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 25.023 ug/l

RT: 11.19 min Scan# 991

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 132276

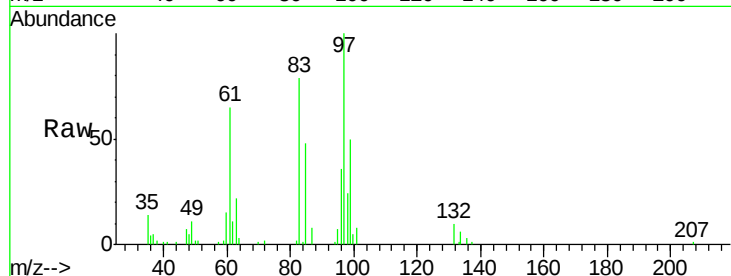
Ion Ratio Lower Upper

97 100

83 78.7 64.7 97.1

85 48.2 42.9 64.3

99 50.3 49.7 74.5

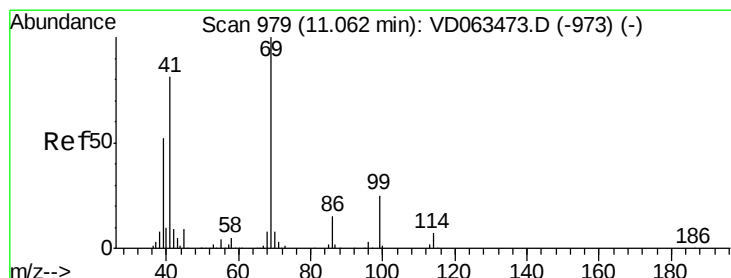
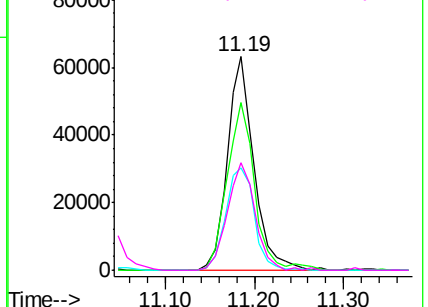
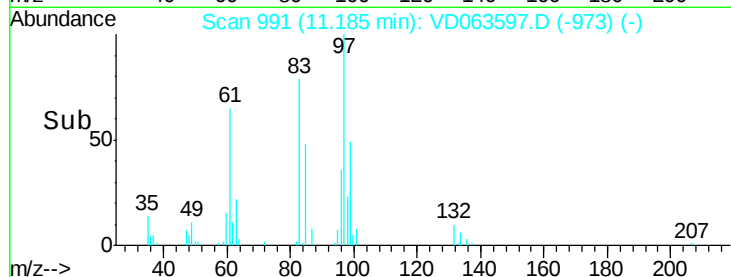


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 24.986 ug/l

RT: 11.04 min Scan# 976

Delta R.T. -0.02 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

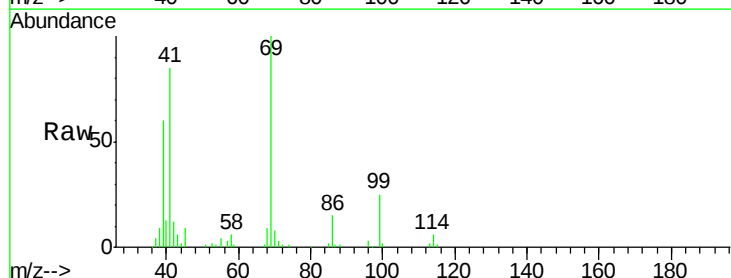
Tgt Ion: 69 Resp: 143358

Ion Ratio Lower Upper

69 100

41 84.6 64.8 97.2

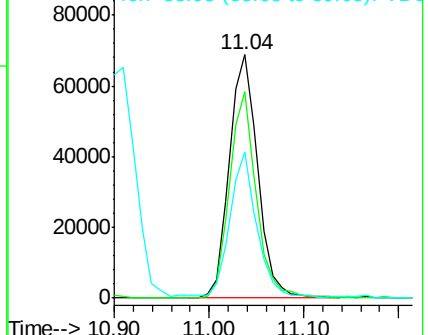
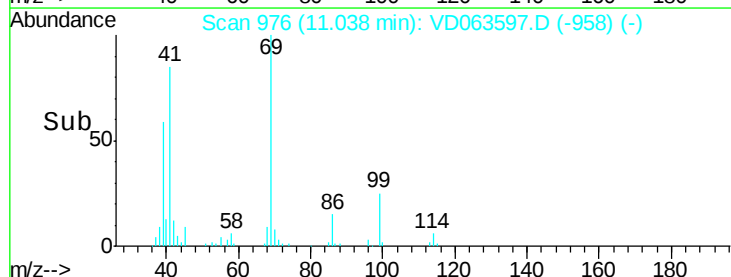
39 59.9 42.4 63.6

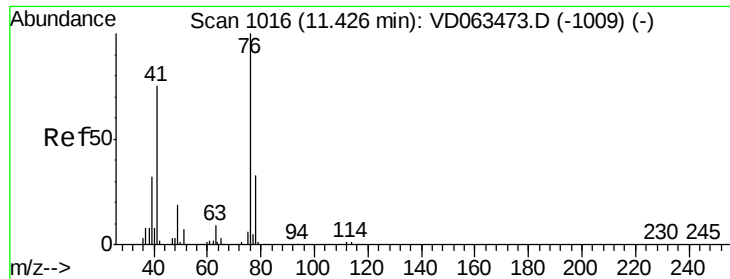


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

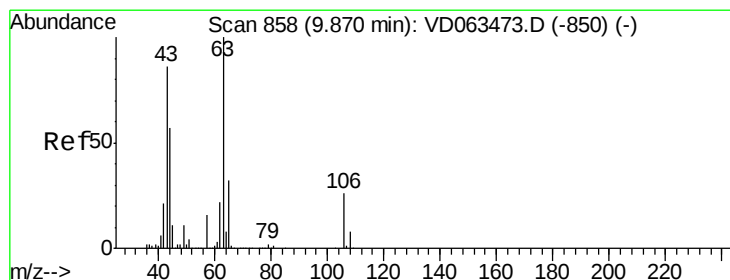
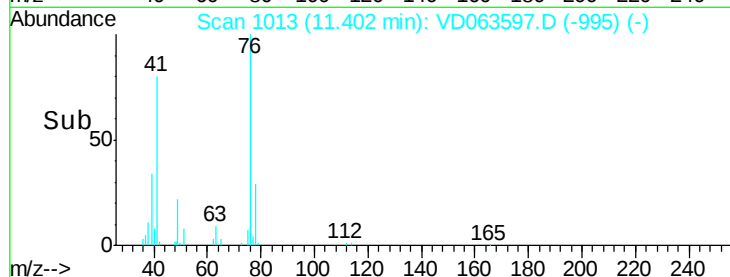
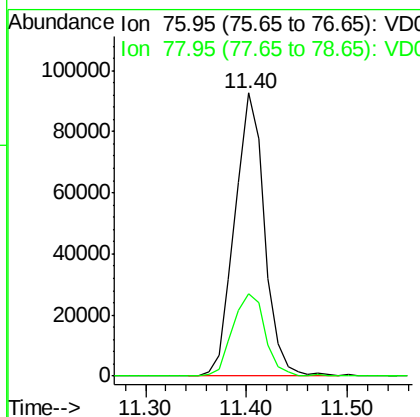
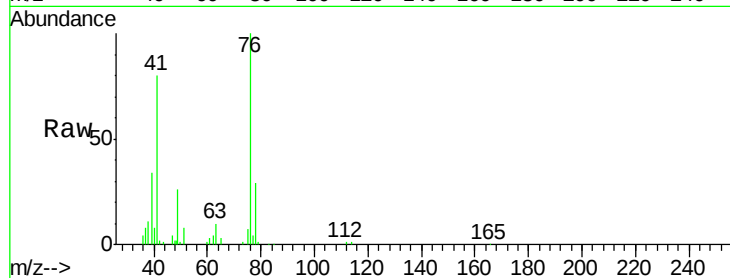




#57
 1,3-Dichloropropane
 Concen: 23.797 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.02 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

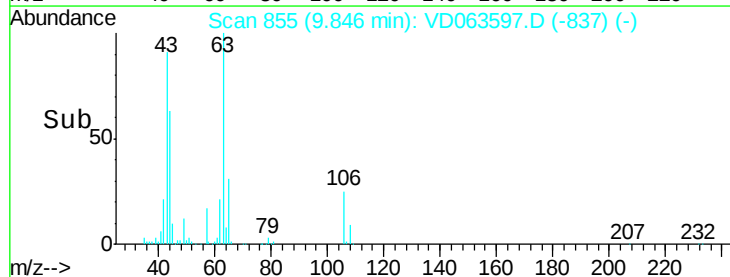
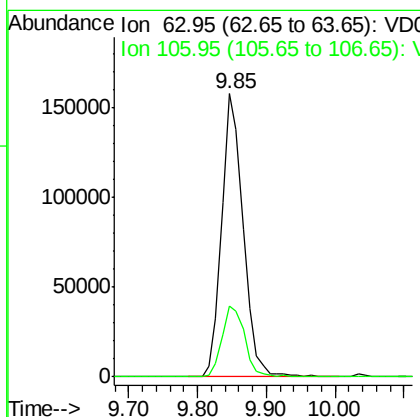
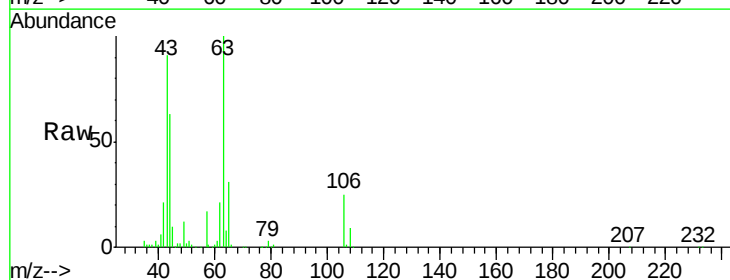
Instrument :
 MSVOA_D
 ClientSampled :

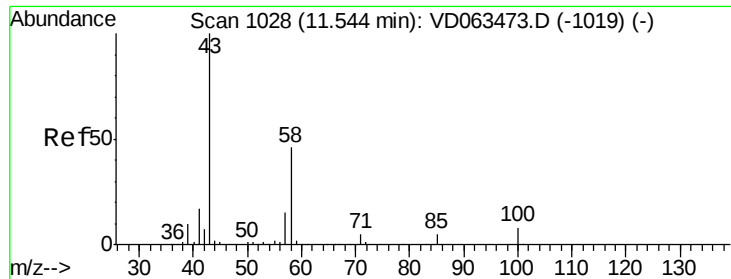
Tot Ion: 76 Resp: 190148
 Ion Ratio Lower Upper
 76 100
 78 28.9 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.767 ug/l
 RT: 9.85 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Tgt Ion: 63 Resp: 341574
 Ion Ratio Lower Upper
 63 100
 106 25.2 20.8 31.2

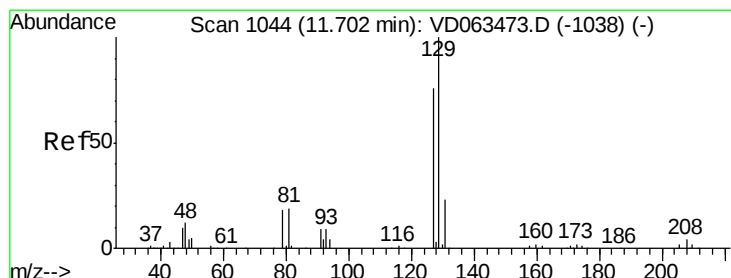
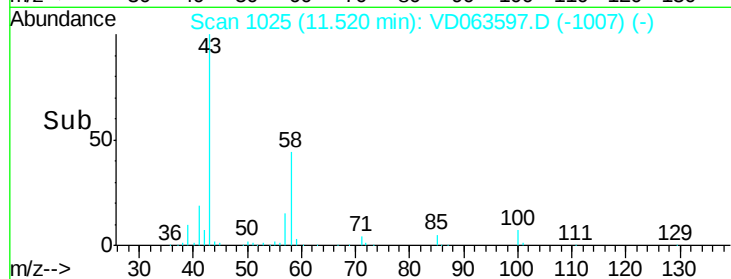
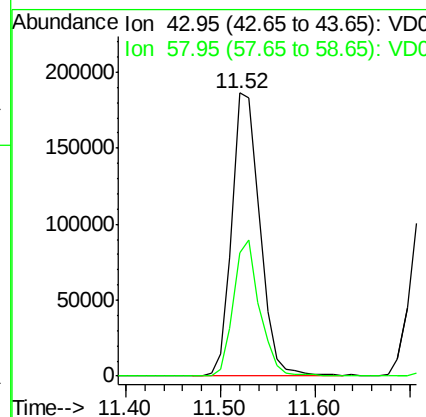
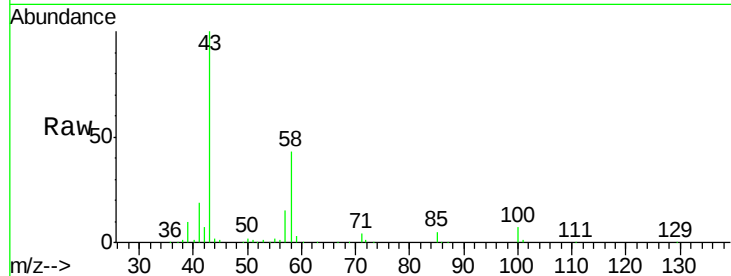




#59
2-Hexanone
Concen: 124.102 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

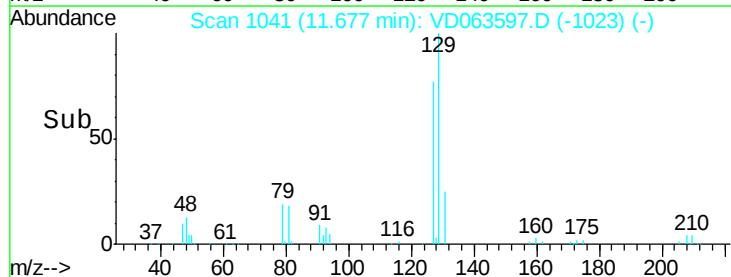
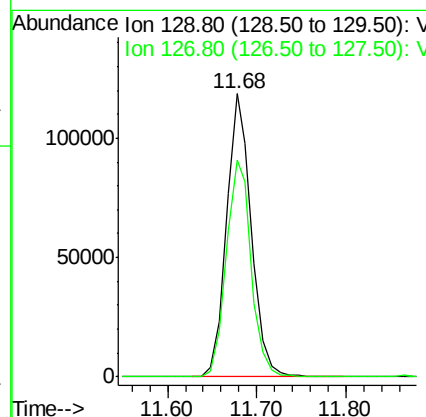
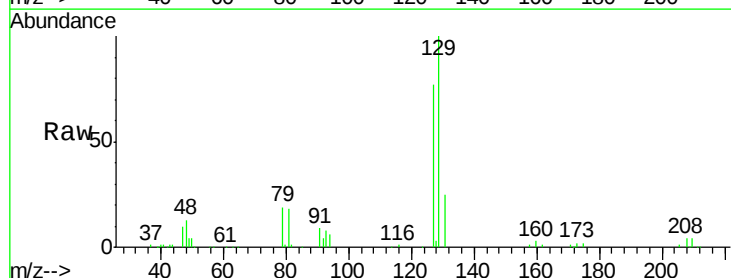
Instrument :
MSVOA_D
ClientSampleId :

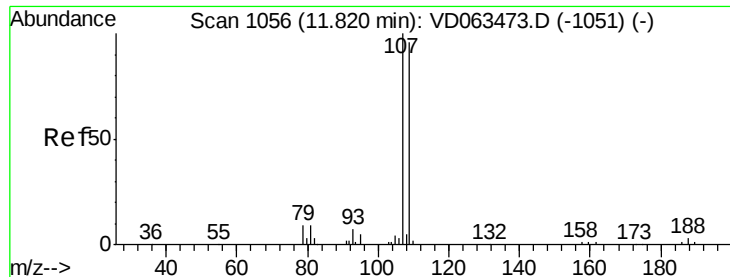
Tot Ion: 43 Resp: 382850
Ion Ratio Lower Upper
43 100
58 43.5 23.1 69.2



#60
Dibromochloromethane
Concen: 24.019 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion:129 Resp: 231036
Ion Ratio Lower Upper
129 100
127 76.6 37.8 113.4

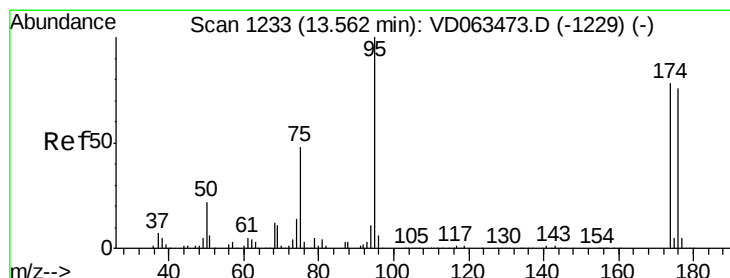
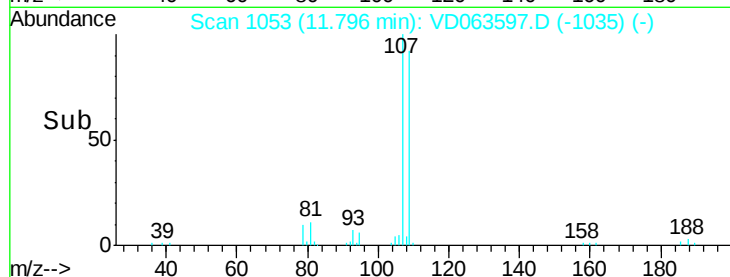
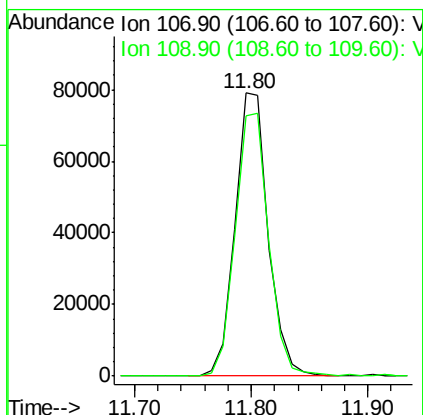
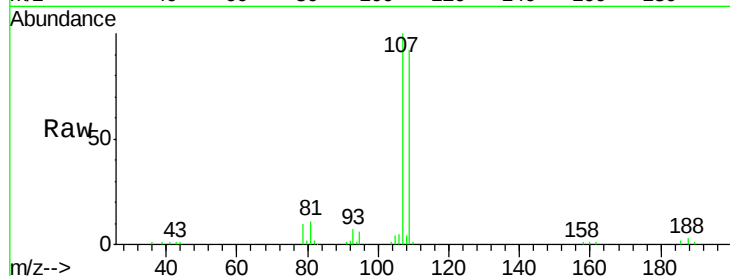




#61
 1,2-Dibromoethane
 Concen: 24.206 ug/l
 RT: 11.80 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

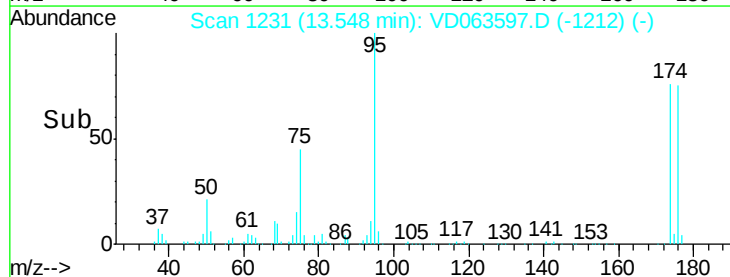
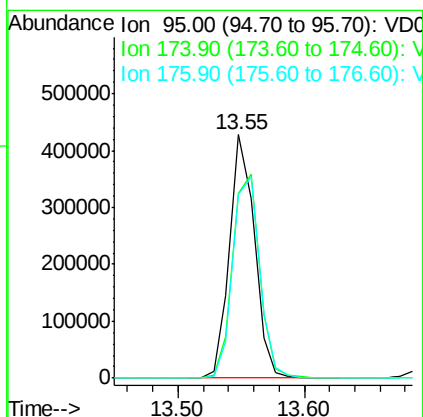
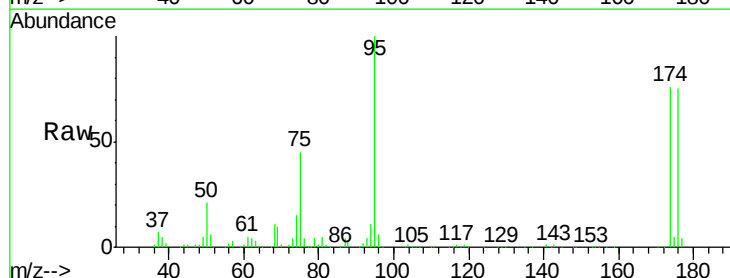
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 107 Resp: 154902
 Ion Ratio Lower Upper
 107 100
 109 92.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 55.701 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Tgt Ion: 95 Resp: 583805
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 155.4
 176 75.4 0.0 152.4

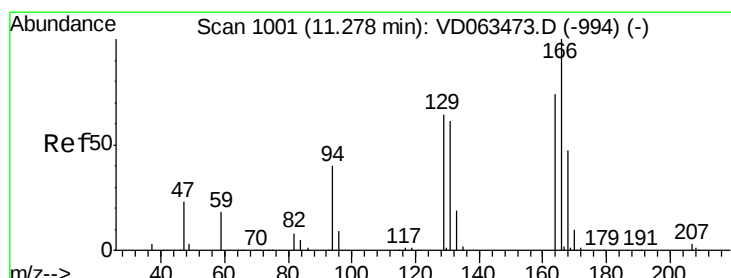
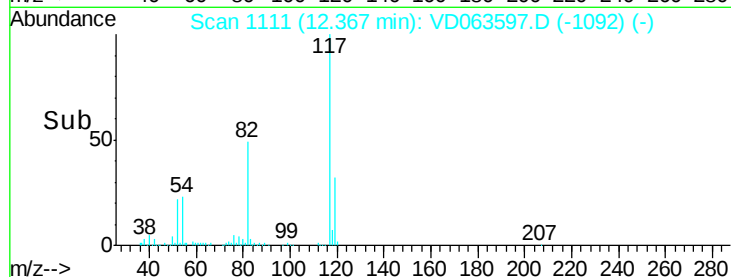
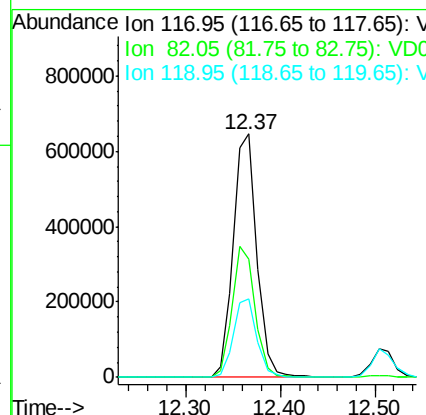
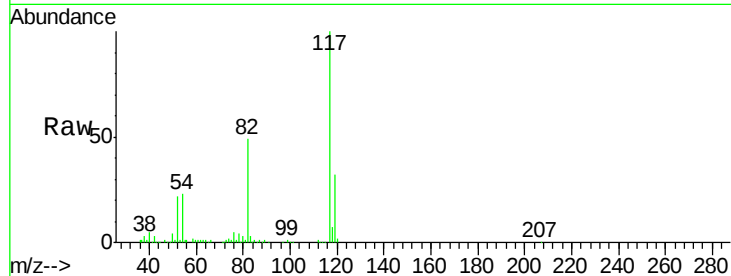




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

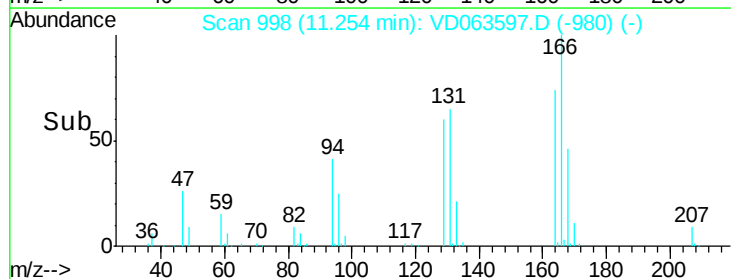
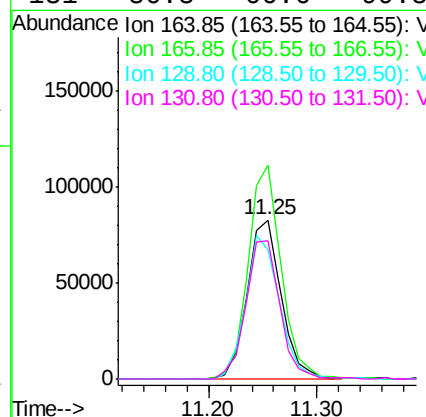
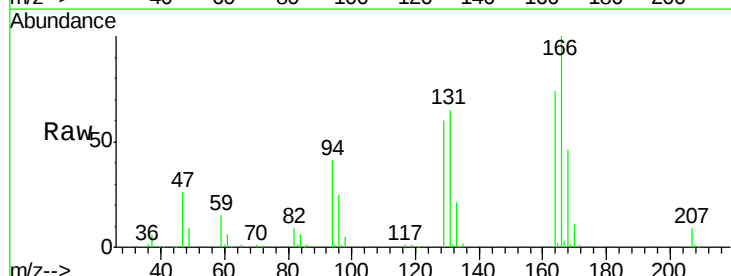
Instrument :
MSVOA_D
ClientSampleId :

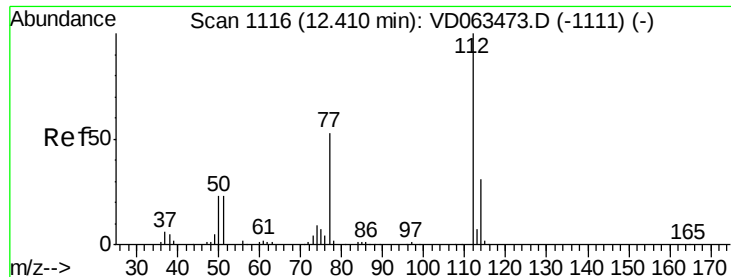
Tot Ion:117 Resp: 1116293
Ion Ratio Lower Upper
117 100
82 48.6 42.0 63.0
119 32.4 25.4 38.0



#64
Tetrachloroethene
Concen: 21.012 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion:164 Resp: 181069
Ion Ratio Lower Upper
164 100
166 134.4 108.6 163.0
129 81.1 69.0 103.6
131 86.8 66.6 99.8

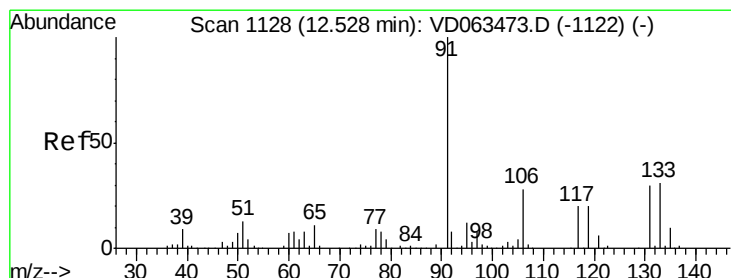
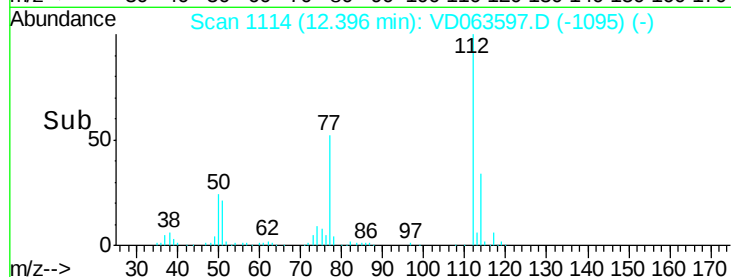
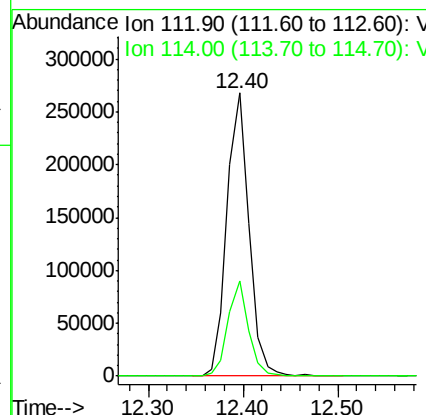
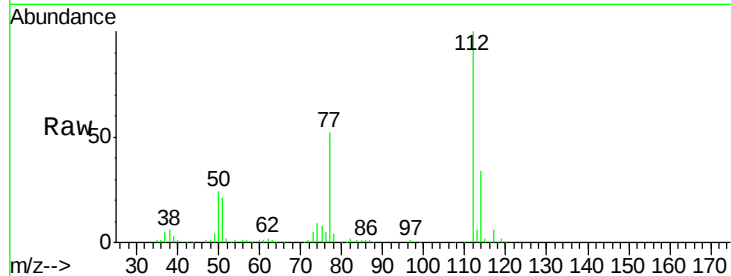




#65
Chlorobenzene
Concen: 20.720 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

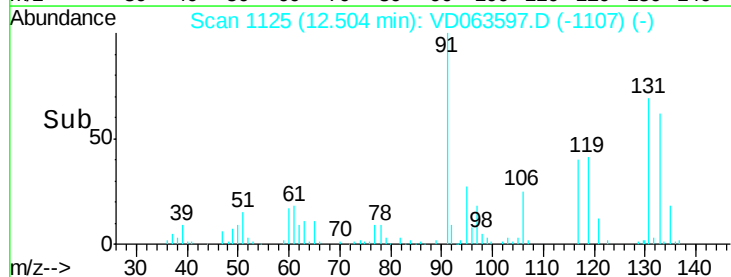
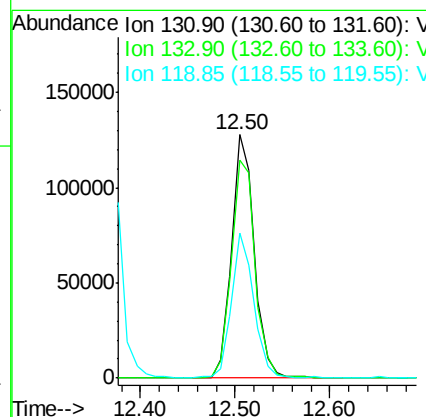
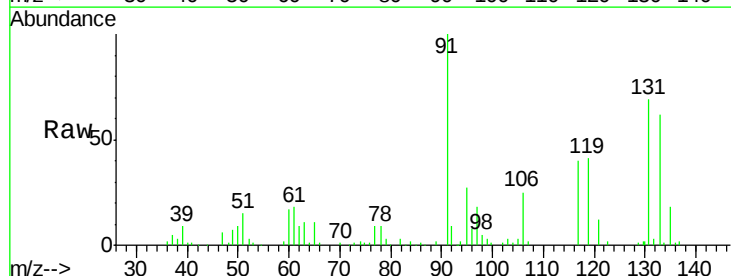
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 433503
Ion Ratio Lower Upper
112 100
114 33.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 22.883 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion:131 Resp: 210703
Ion Ratio Lower Upper
131 100
133 89.7 51.1 153.3
119 59.5 33.1 99.3

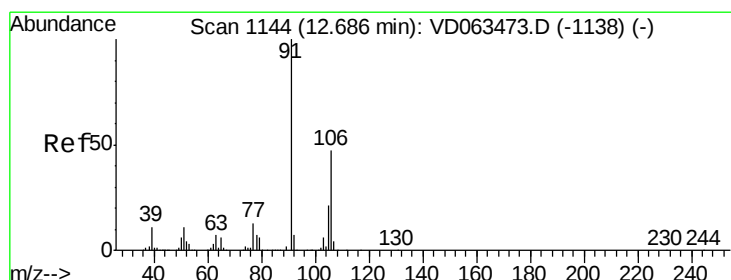
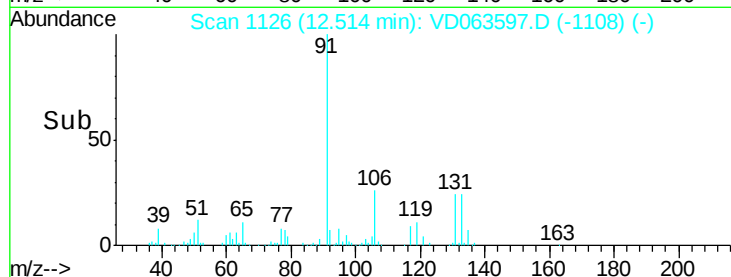
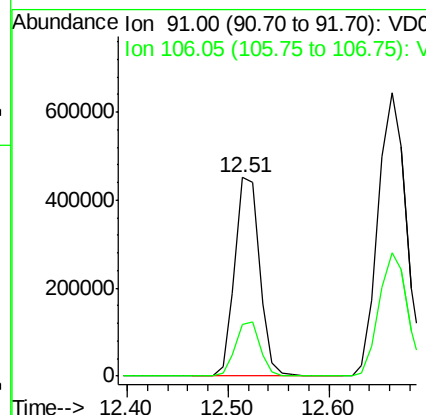
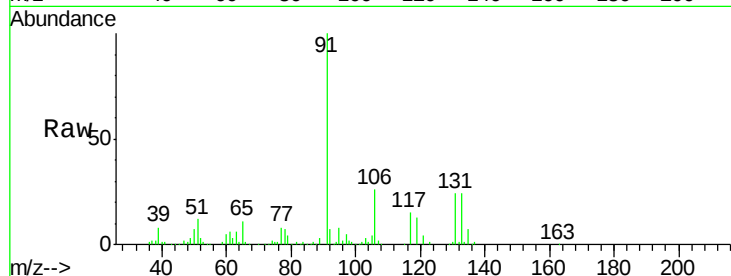




#67
Ethyl Benzene
Concen: 21.321 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

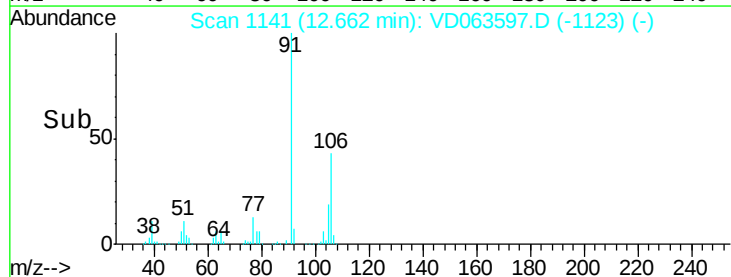
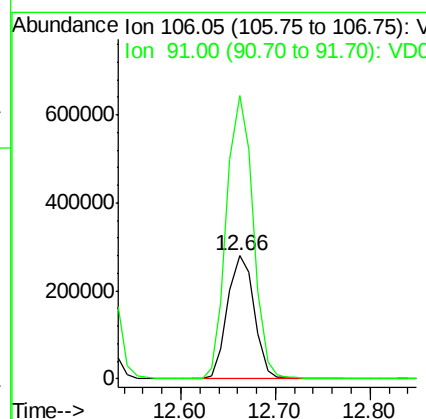
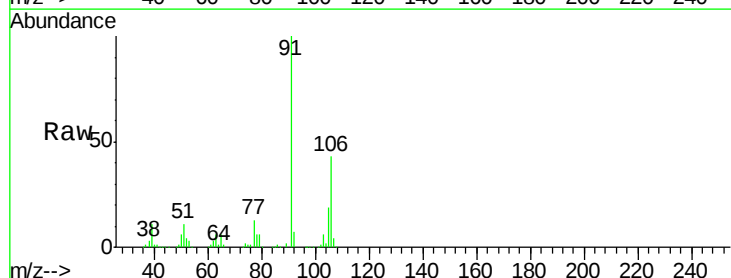
Instrument :
MSVOA_D
ClientSampled :

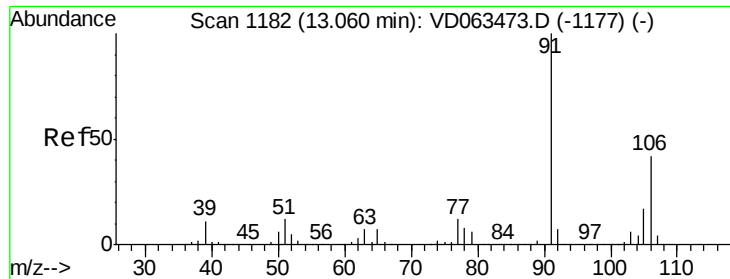
Tot Ion: 91 Resp: 775611
Ion Ratio Lower Upper
91 100
106 25.9 23.1 34.7



#68
m/p-Xylenes
Concen: 43.233 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion: 106 Resp: 552552
Ion Ratio Lower Upper
106 100
91 230.3 171.8 257.8

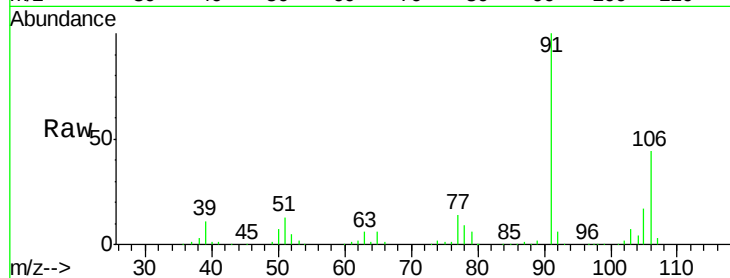




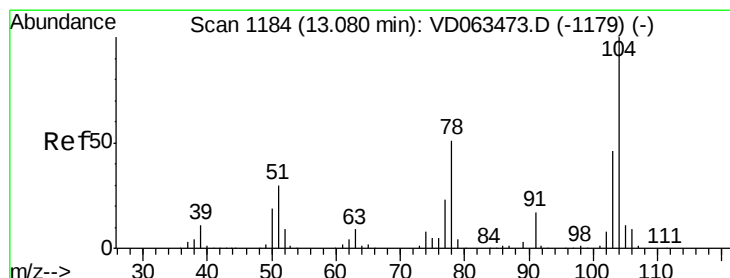
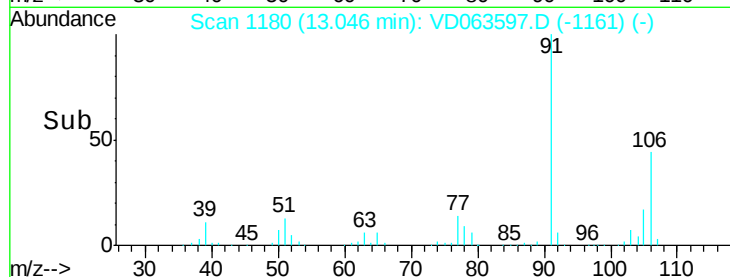
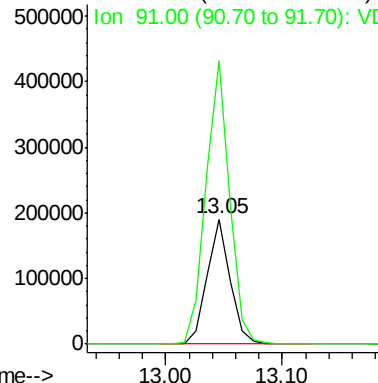
#69
o-Xylene
Concen: 21.249 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 261385
Ion Ratio Lower Upper
106 100
91 226.9 118.1 354.2

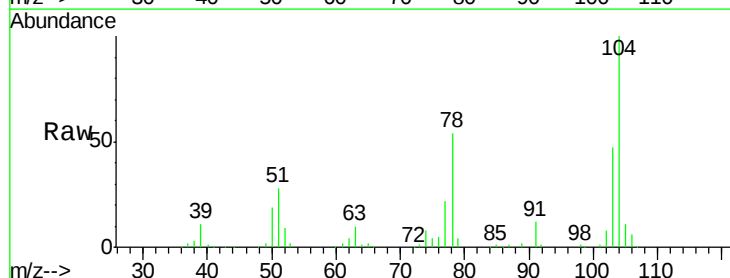


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

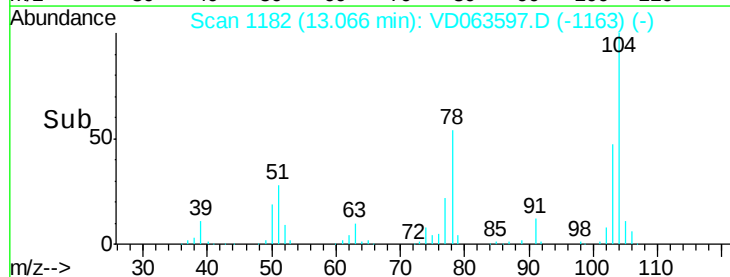
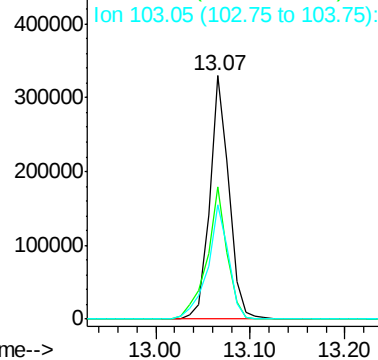


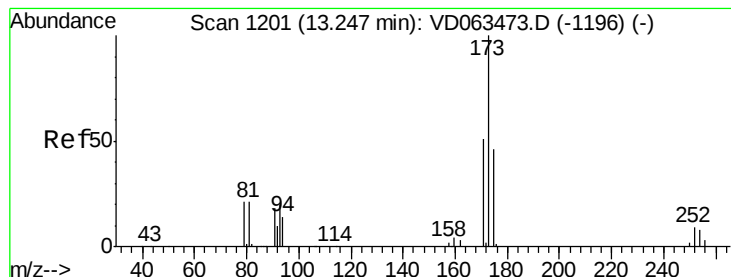
#70
Styrene
Concen: 21.039 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion:104 Resp: 460357
Ion Ratio Lower Upper
104 100
78 54.2 40.8 61.2
103 47.1 36.4 54.6



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





#71

Bromoform

Concen: 22.208 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

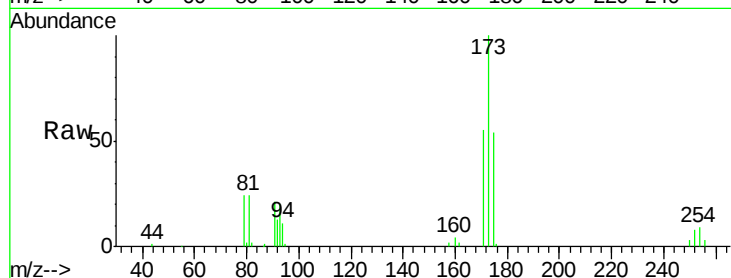
Tot Ion:173 Resp: 140212

Ion Ratio Lower Upper

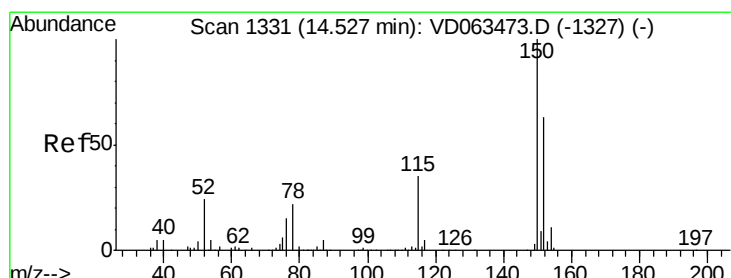
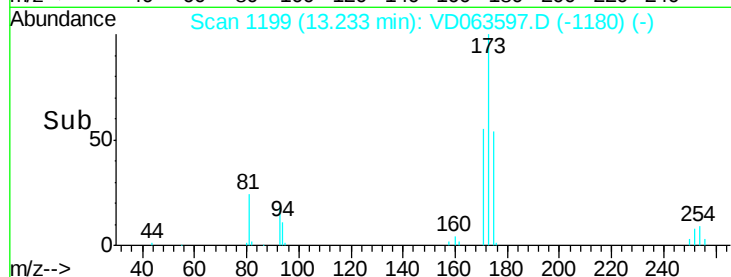
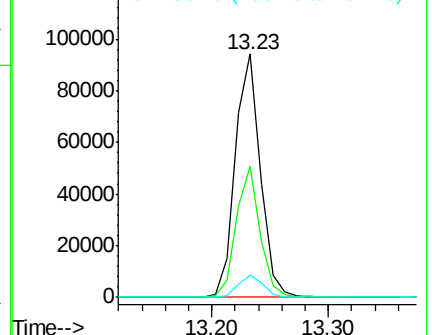
173 100

175 53.7 22.8 68.3

254 9.0 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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

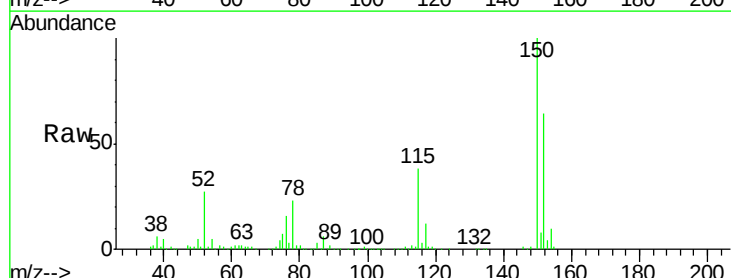
Tgt Ion:152 Resp: 602029

Ion Ratio Lower Upper

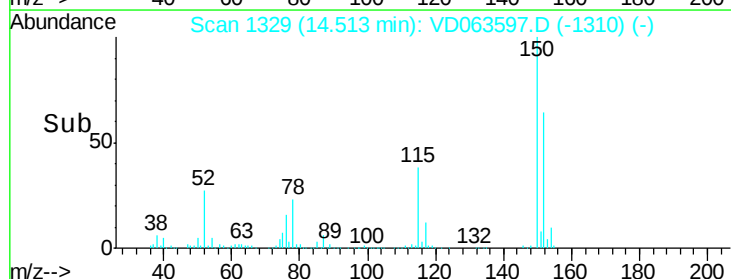
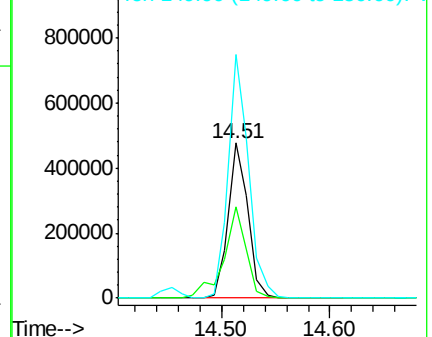
152 100

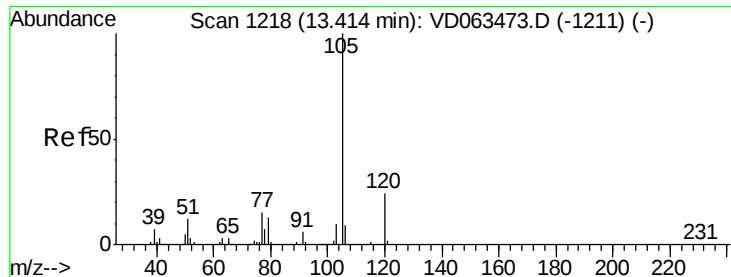
115 59.4 30.9 92.7

150 157.4 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

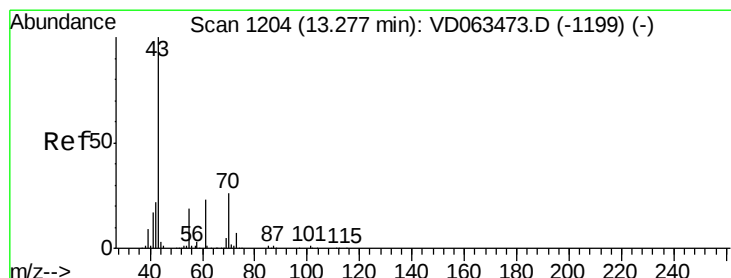
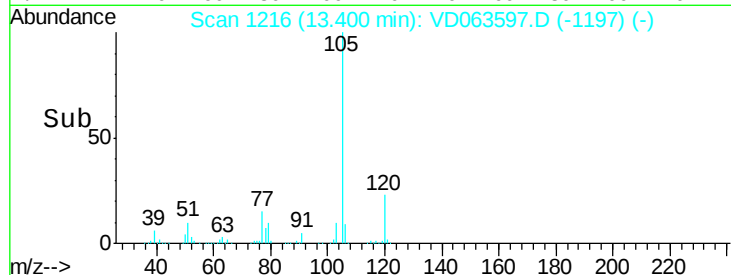
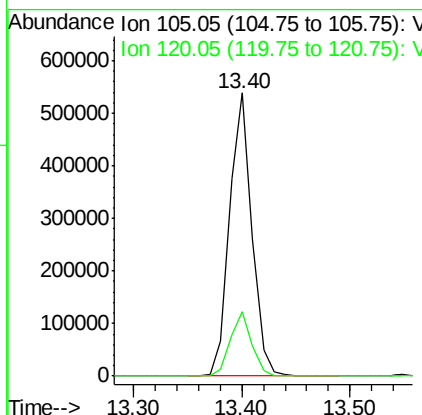
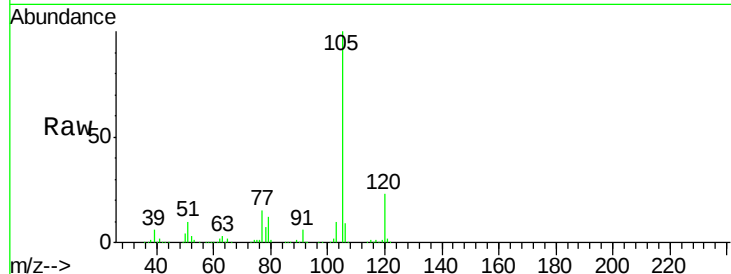




#73
Isopropylbenzene
Concen: 20.158 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

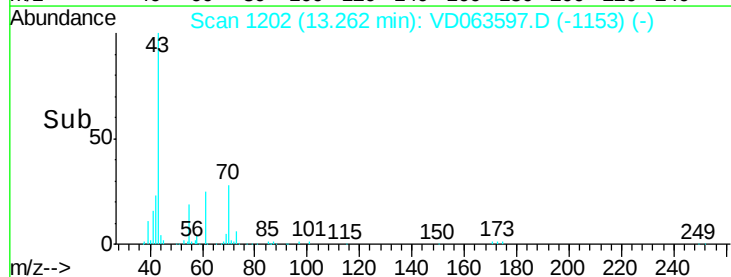
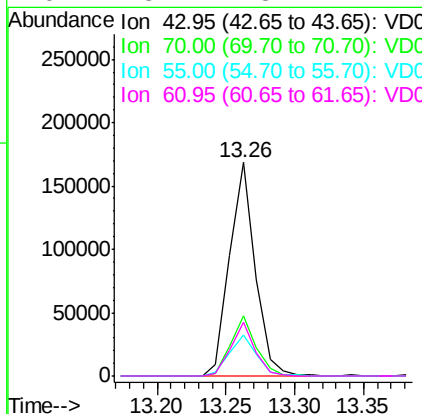
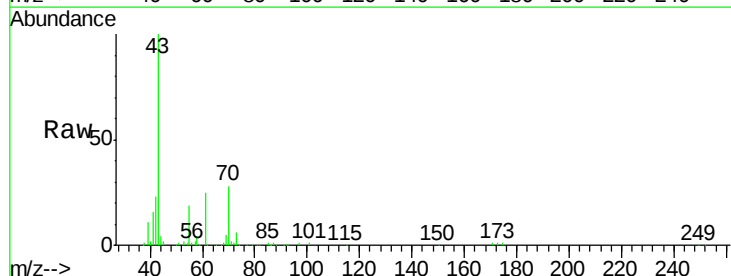
Instrument :
MSVOA_D
ClientSampleId :

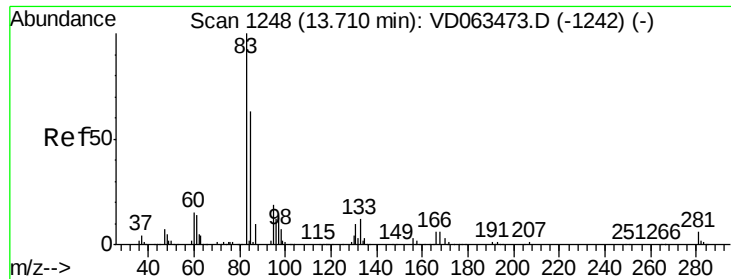
Tot Ion: 105 Resp: 771885
Ion Ratio Lower Upper
105 100
120 22.7 11.9 35.9



#74
N-ethyl acetate
Concen: 22.692 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion: 43 Resp: 218132
Ion Ratio Lower Upper
43 100
70 28.0 21.1 31.7
55 19.0 15.4 23.0
61 25.2 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.611 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

ClientSampled :

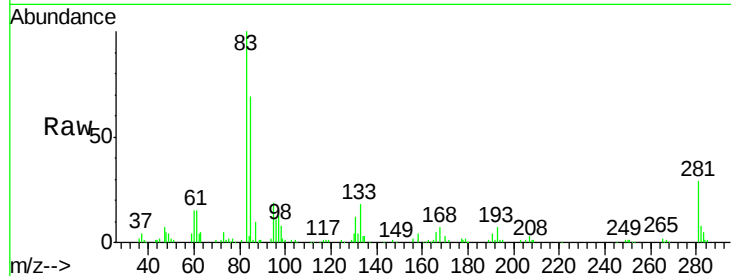
Tot Ion: 83 Resp: 137358

Ion Ratio Lower Upper

83 100

131 12.1 5.3 15.8

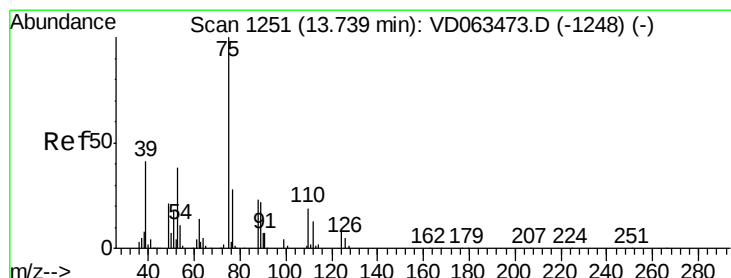
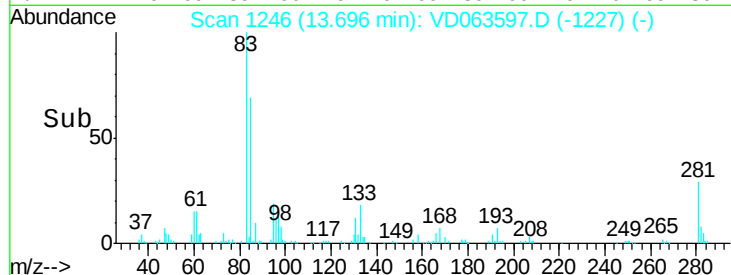
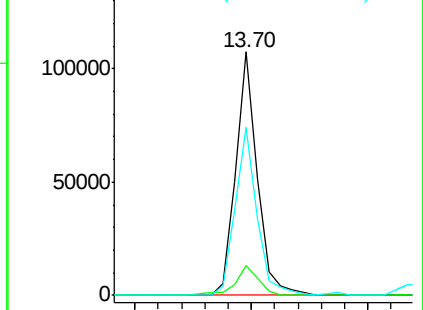
85 69.2 31.4 94.3



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: 22.401 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063597.D

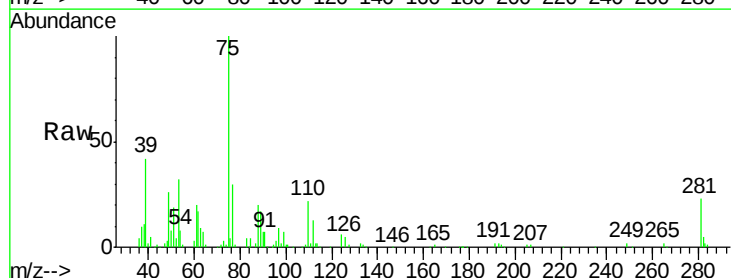
Acq: 15 Aug 2019 3:32

Tgt Ion: 75 Resp: 154775

Ion Ratio Lower Upper

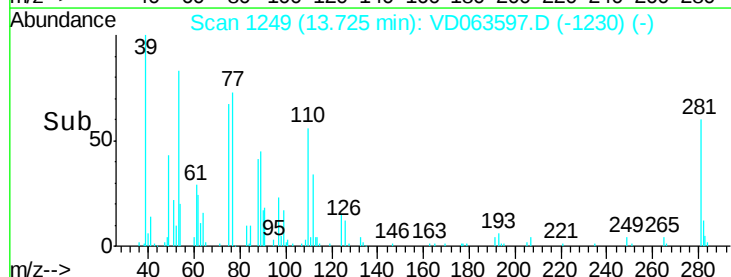
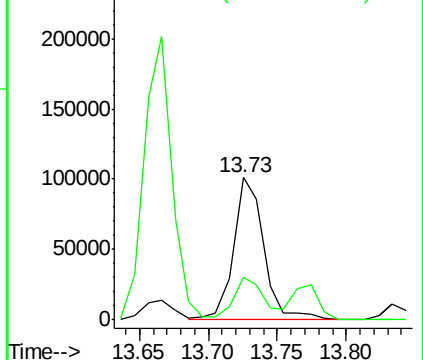
75 100

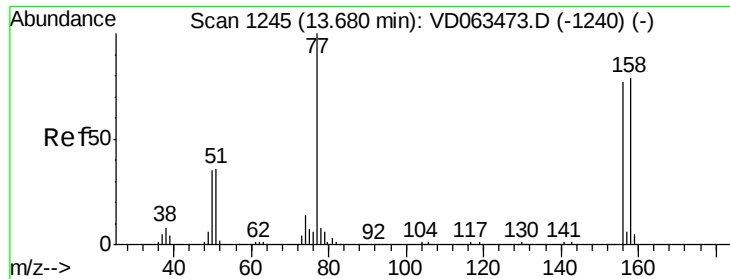
77 29.9 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

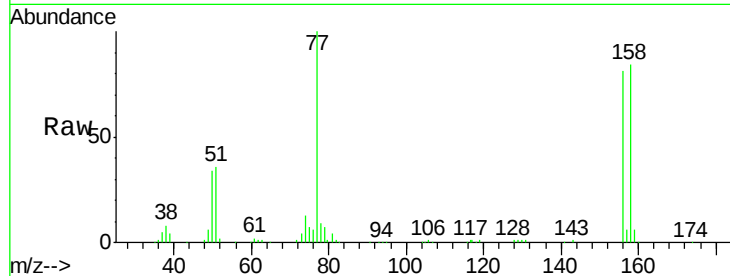




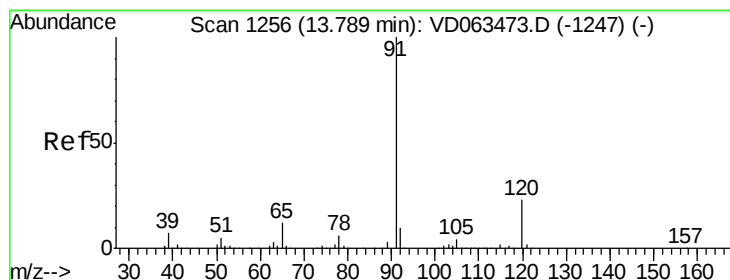
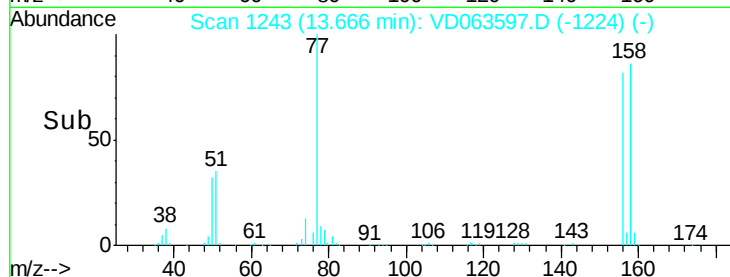
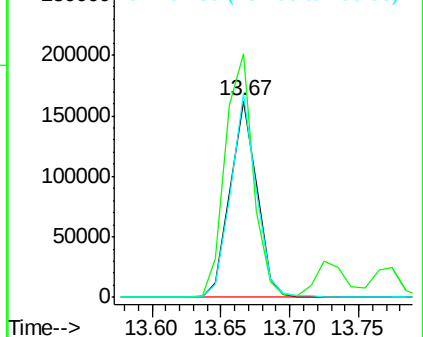
#77
Bromobenzene
Concen: 21.104 ug/l
RT: 13.67 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:156 Resp: 220860
Ion Ratio Lower Upper
156 100
77 123.7 64.6 193.8
158 103.8 50.9 152.7

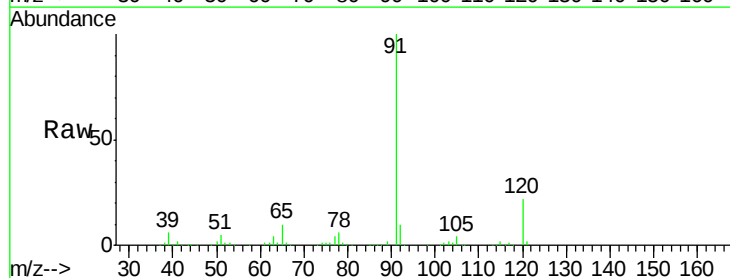


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

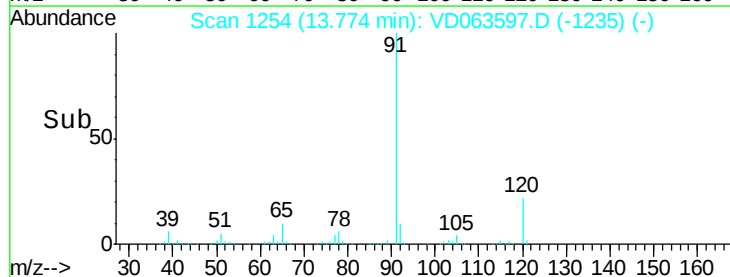
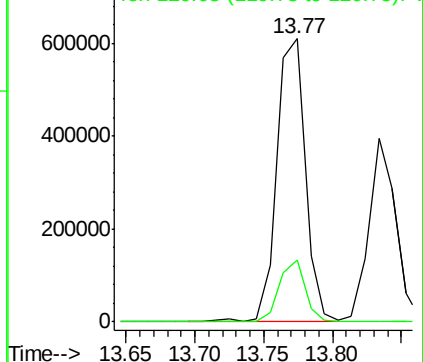


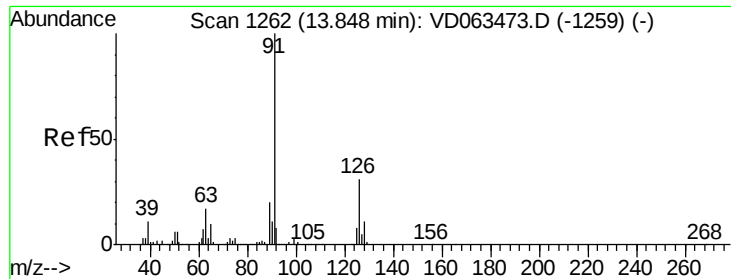
#78
n-propylbenzene
Concen: 19.607 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion: 91 Resp: 878455
Ion Ratio Lower Upper
91 100
120 21.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

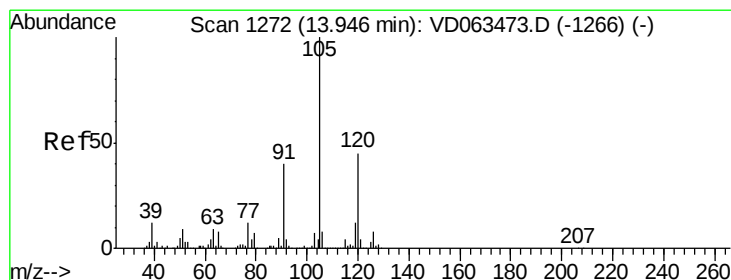
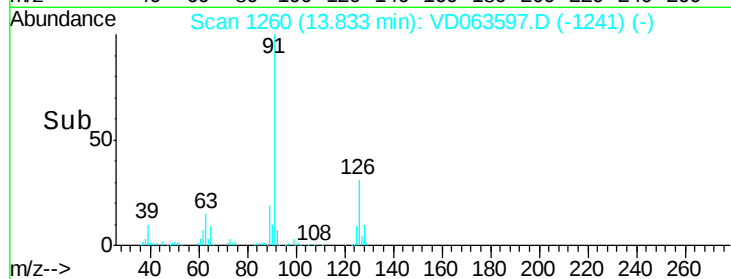
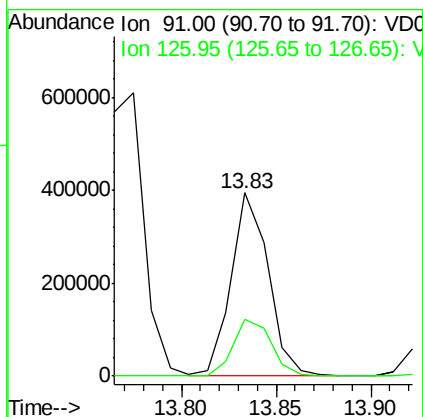
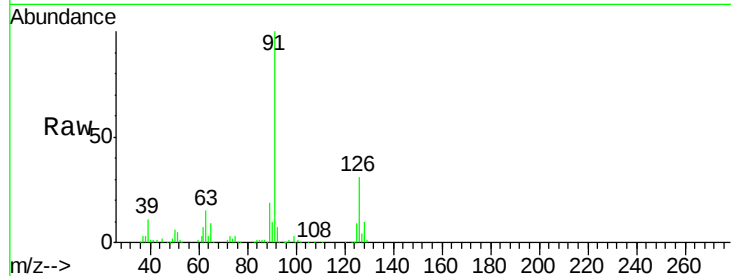




#79
 2-Chlorotoluene
 Concen: 20.676 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

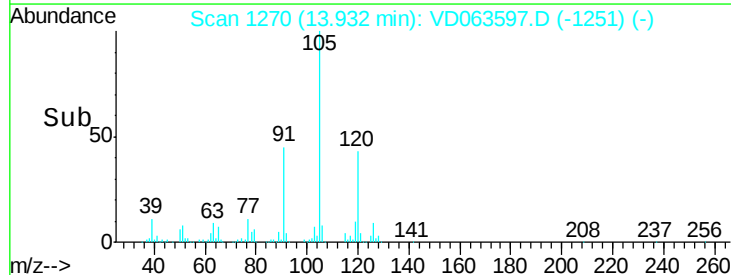
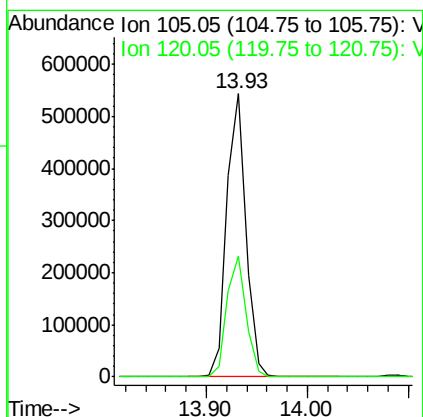
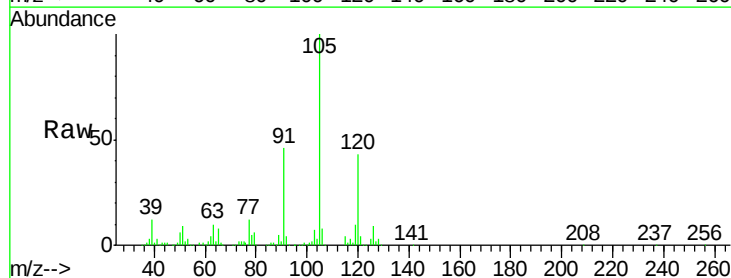
Instrument :
 MSVOA_D
 ClientSampleId :

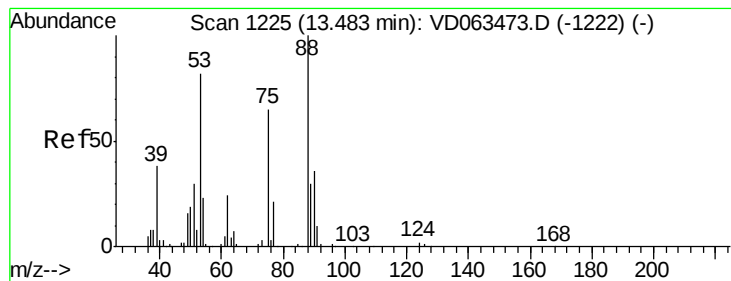
Tot Ion: 91 Resp: 534113
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.458 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Tgt Ion: 105 Resp: 717918
 Ion Ratio Lower Upper
 105 100
 120 42.7 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.670 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

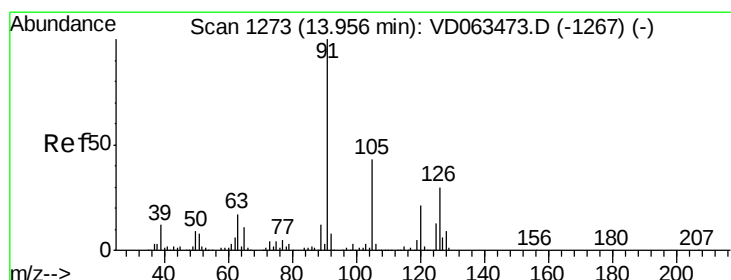
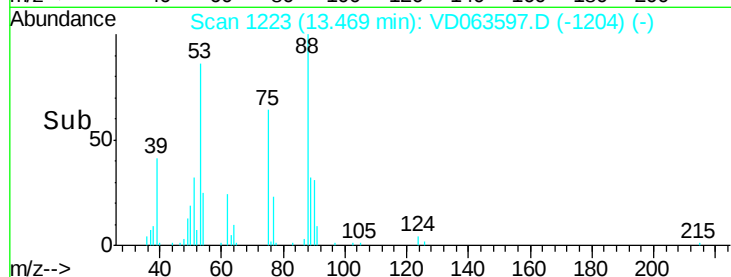
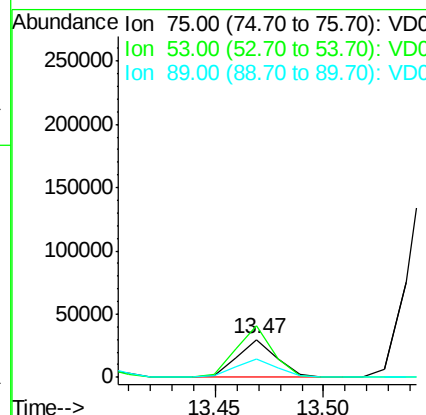
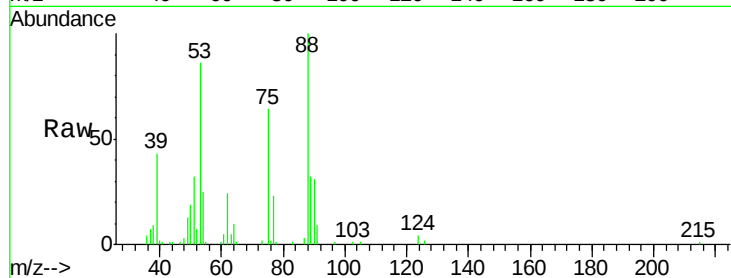
Tot Ion: 75 Resp: 38385

Ion Ratio Lower Upper

75 100

53 134.9 101.0 151.4

89 49.5 37.0 55.6



#82

4-Chlorotoluene

Concen: 21.837 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063597.D

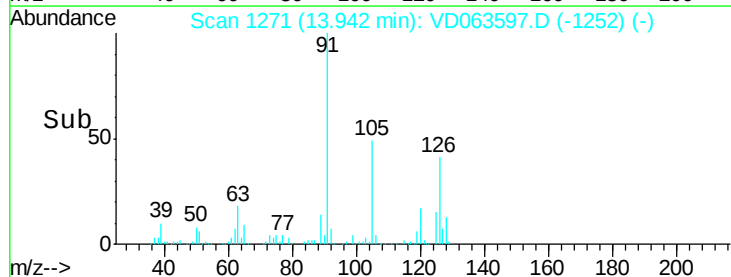
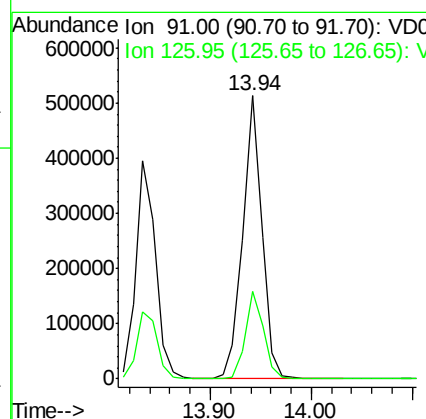
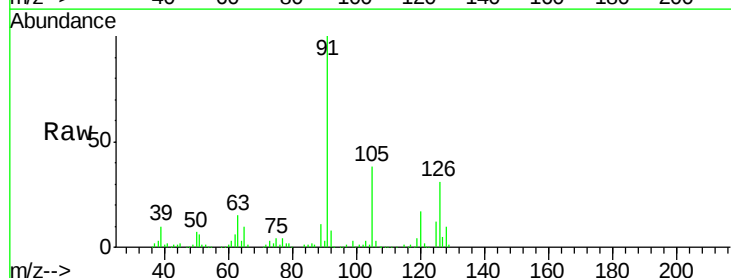
Acq: 15 Aug 2019 3:32

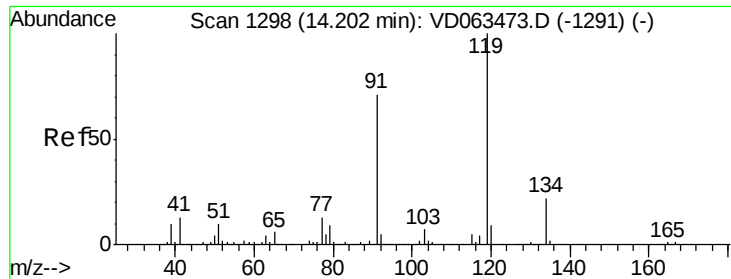
Tgt Ion: 91 Resp: 678350

Ion Ratio Lower Upper

91 100

126 30.8 15.2 45.6

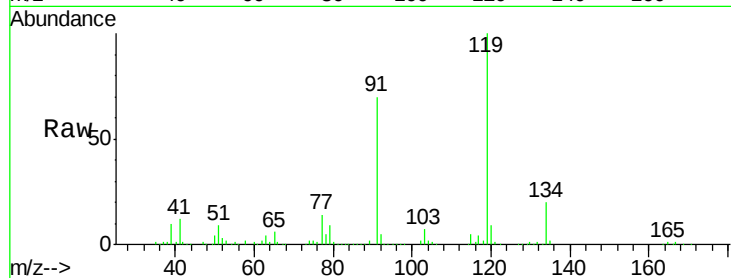




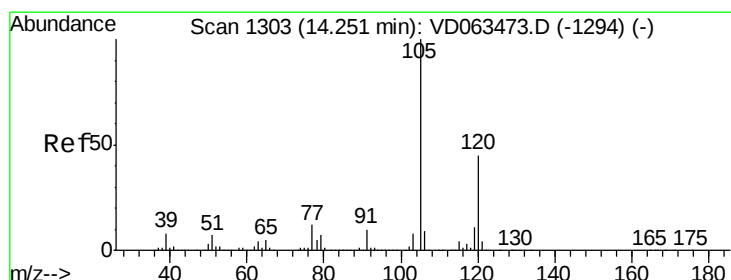
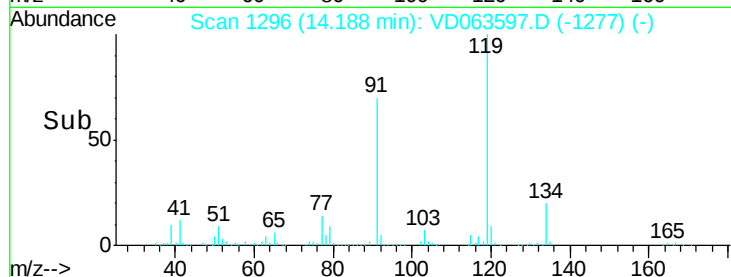
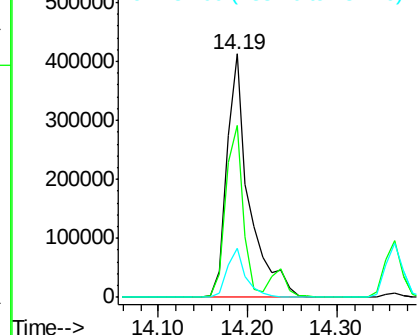
#83
 tert-Butylbenzene
 Concen: 20.464 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 720972
 Ion Ratio Lower Upper
 119 100
 91 70.4 35.5 106.7
 134 19.9 11.1 33.1

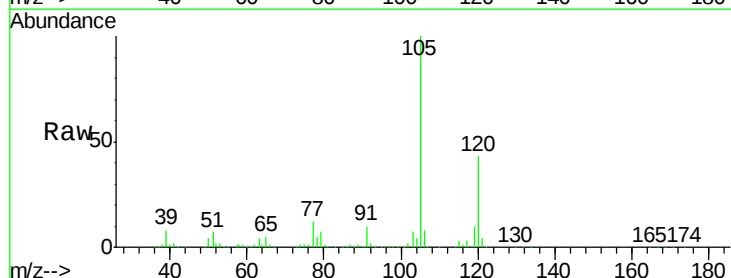


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

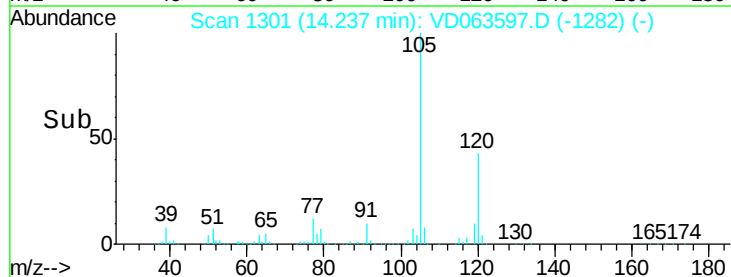
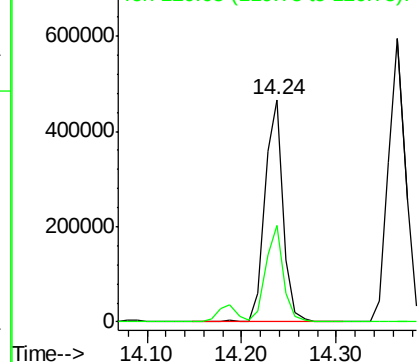


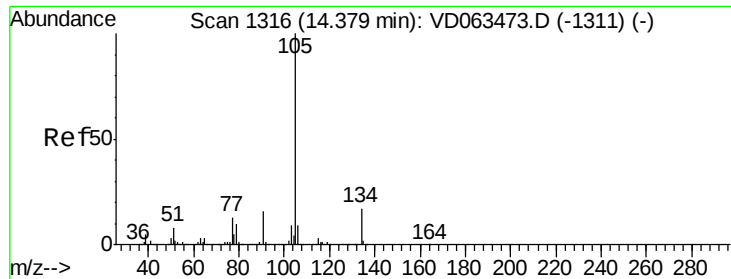
#84
 1,2,4-Trimethylbenzene
 Concen: 20.166 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Tgt Ion:105 Resp: 624265
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.7 68.1



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

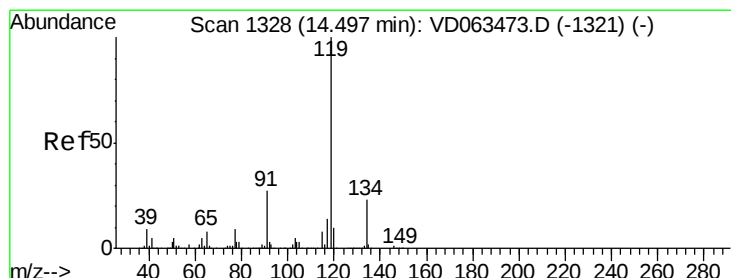
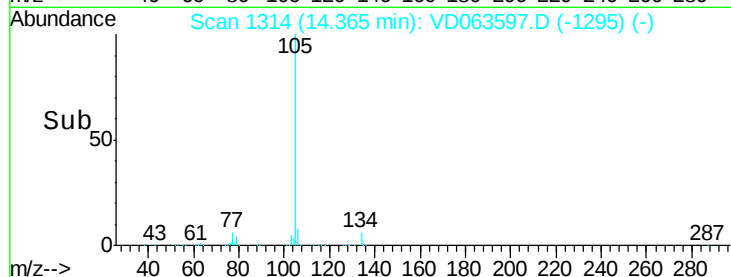
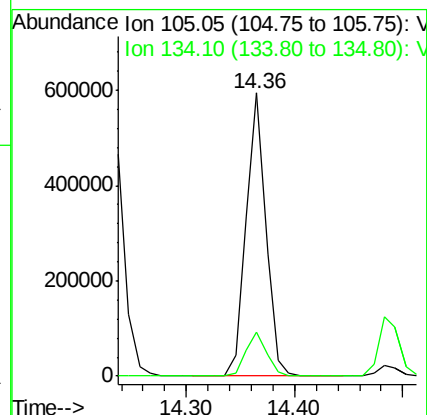
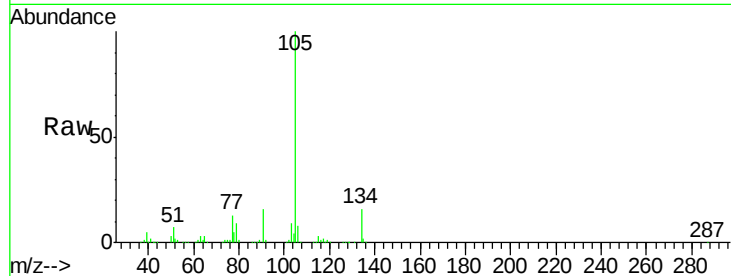




#85
 sec-Butylbenzene
 Concen: 20.110 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

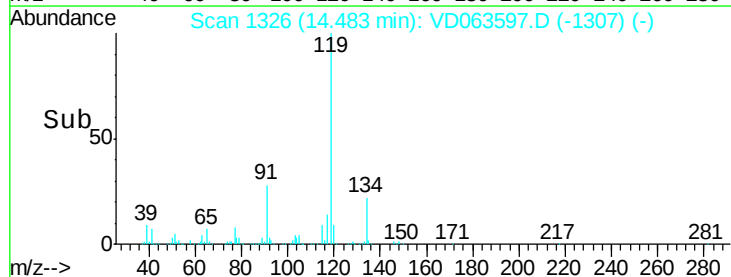
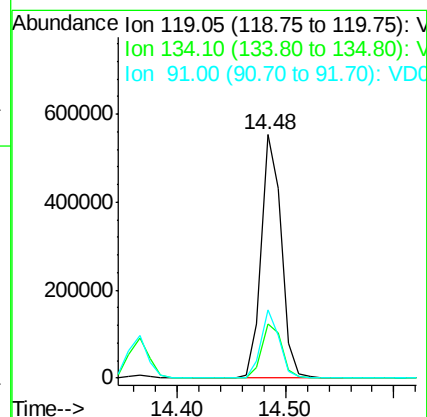
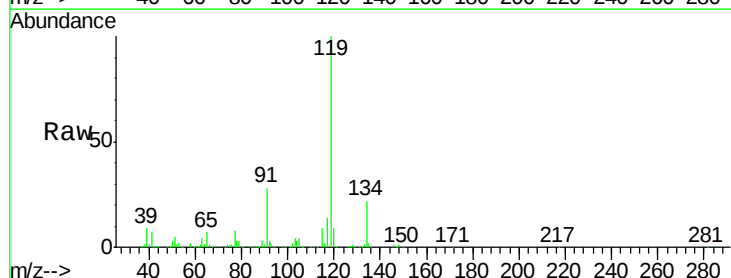
Instrument :
 MSVOA_D
 ClientSampleId :

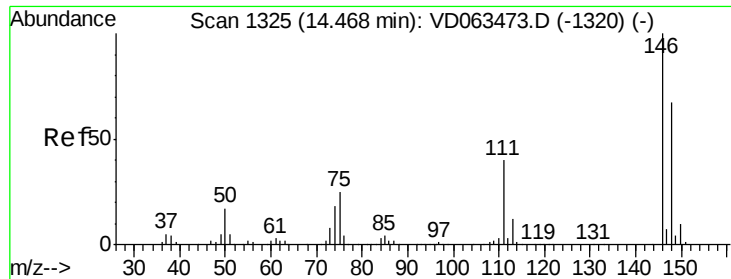
Tot Ion:105 Resp: 752428
 Ion Ratio Lower Upper
 105 100
 134 15.6 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 20.063 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Tgt Ion:119 Resp: 717747
 Ion Ratio Lower Upper
 119 100
 134 22.3 11.3 33.8
 91 28.0 13.5 40.4

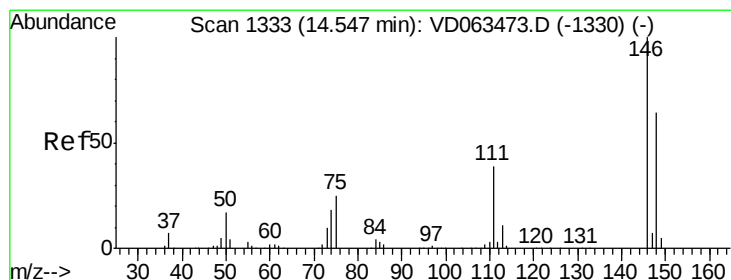
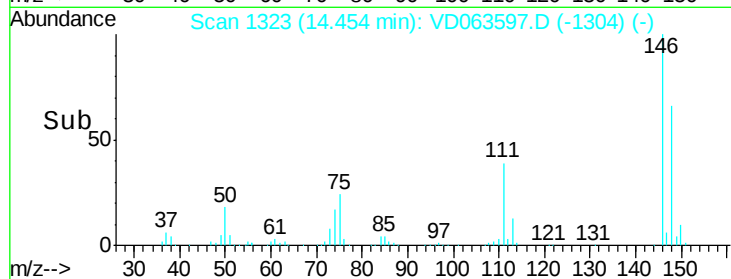
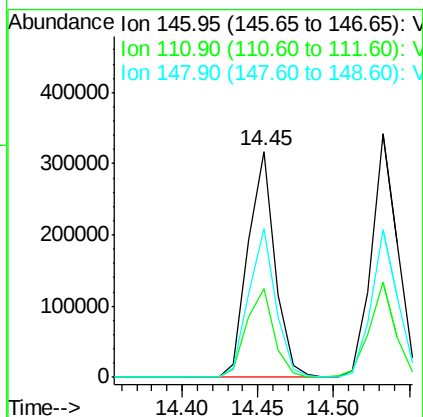
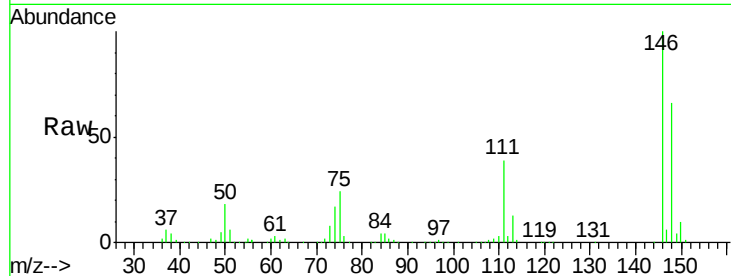




#87
 1,3-Dichlorobenzene
 Concen: 20.835 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

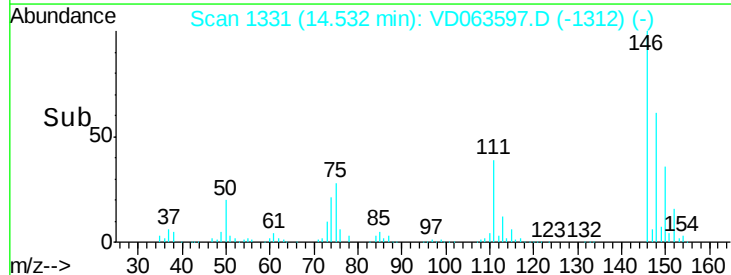
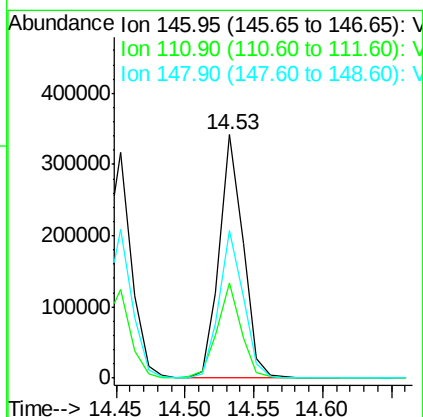
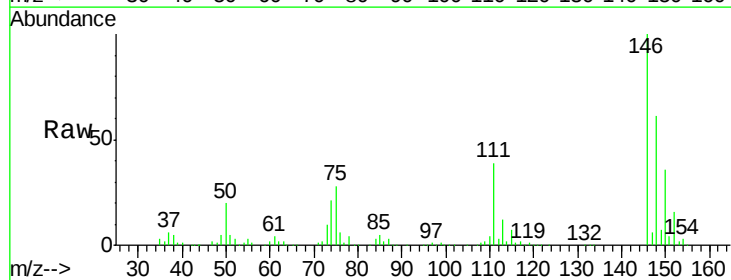
Instrument :
 MSVOA_D
 ClientSampleId :

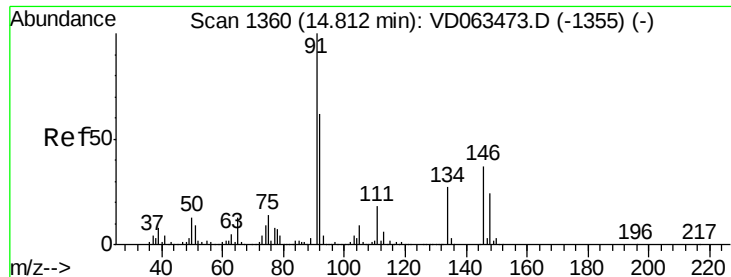
Tot Ion:146 Resp: 394407
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.0 60.0
 148 65.8 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 22.606 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Tgt Ion:146 Resp: 410567
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.7 59.0
 148 60.6 32.1 96.3





#89

n-Butylbenzene

Concen: 20.344 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063597.D

Acq: 15 Aug 2019 3:32

Instrument :

MSVOA_D

ClientSampleId :

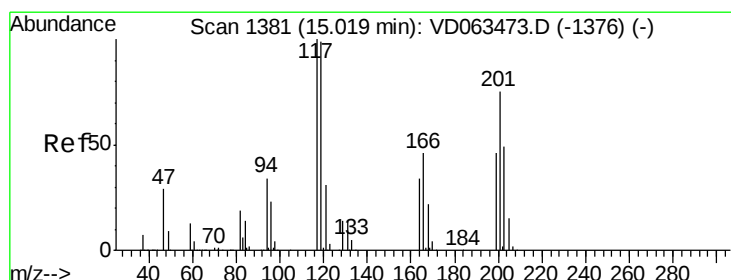
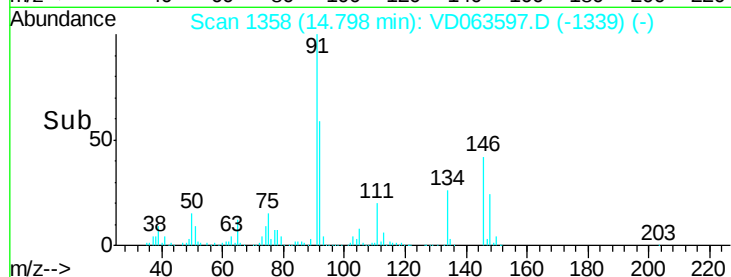
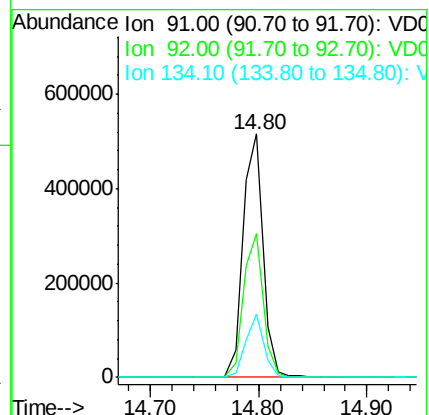
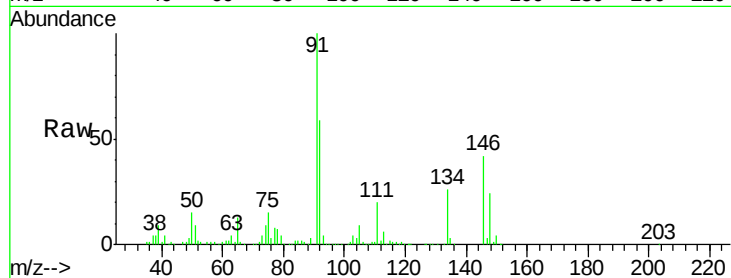
Tot Ion: 91 Resp: 664256

Ion Ratio Lower Upper

91 100

92 59.0 30.8 92.3

134 25.9 13.4 40.2



#90

Hexachloroethane

Concen: 21.122 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063597.D

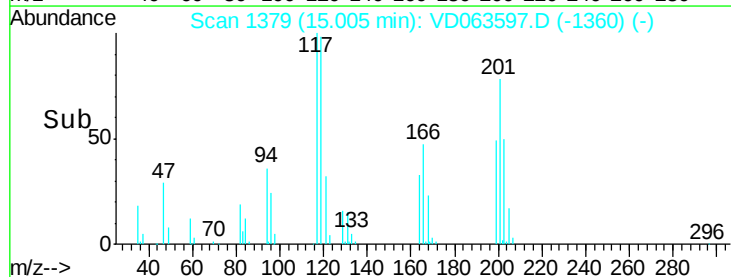
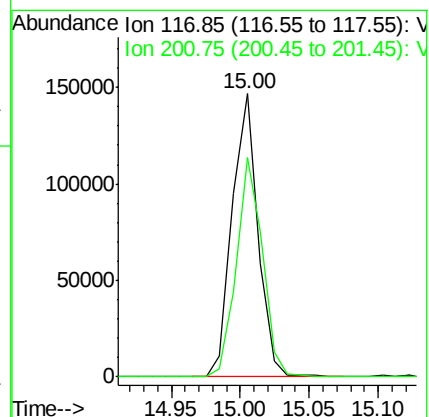
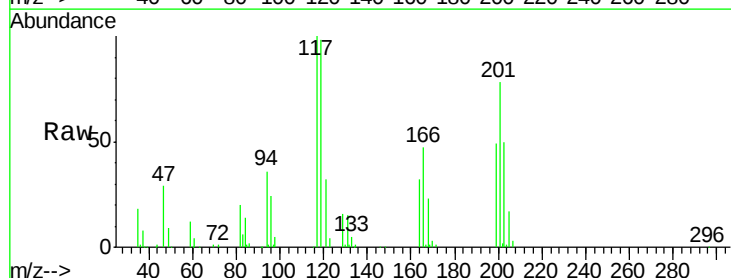
Acq: 15 Aug 2019 3:32

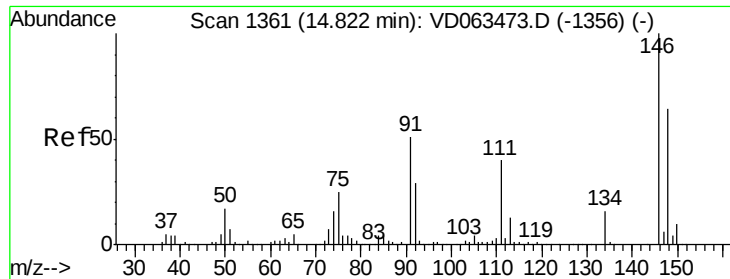
Tgt Ion: 117 Resp: 189924

Ion Ratio Lower Upper

117 100

201 77.6 37.5 112.5

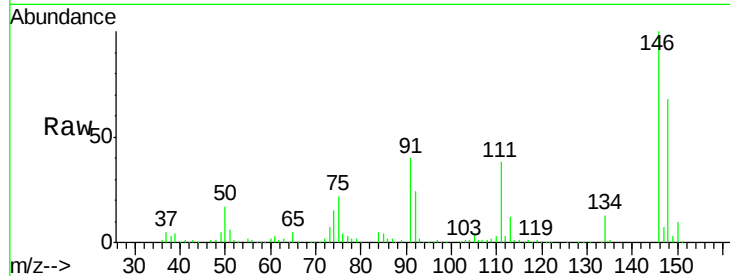




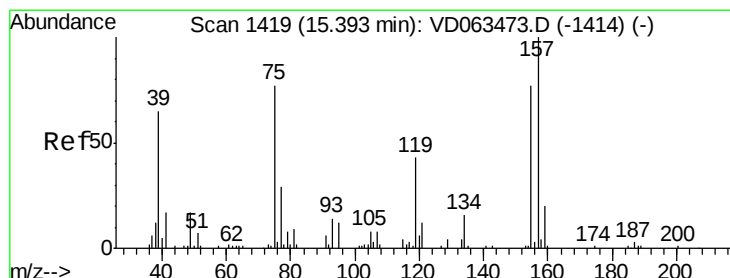
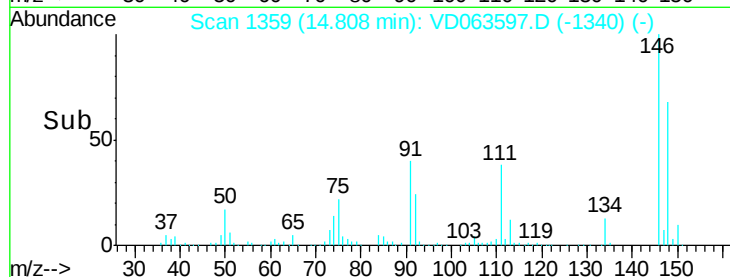
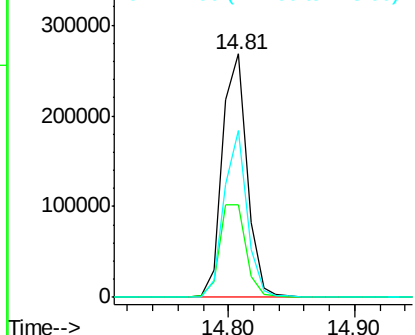
#91
 1,2-Dichlorobenzene
 Concen: 22.678 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 364221
 Ion Ratio Lower Upper
 146 100
 111 37.9 20.2 60.6
 148 68.3 32.1 96.5

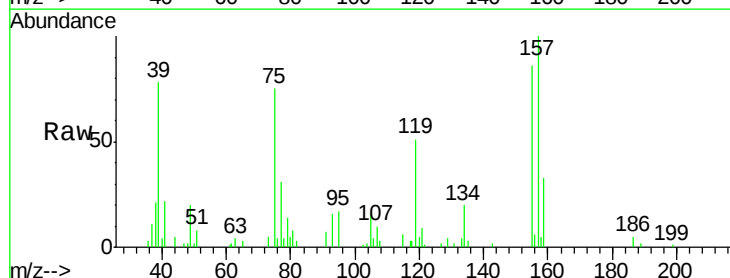


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

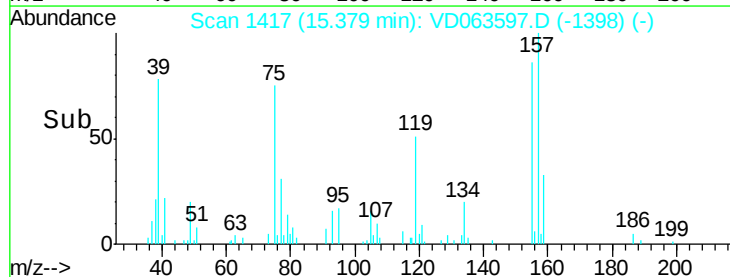
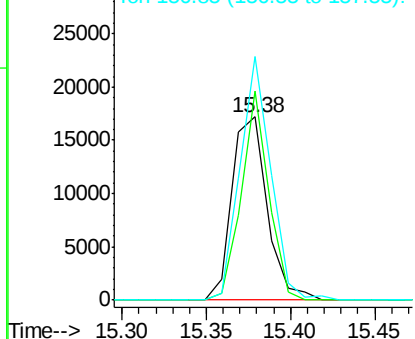


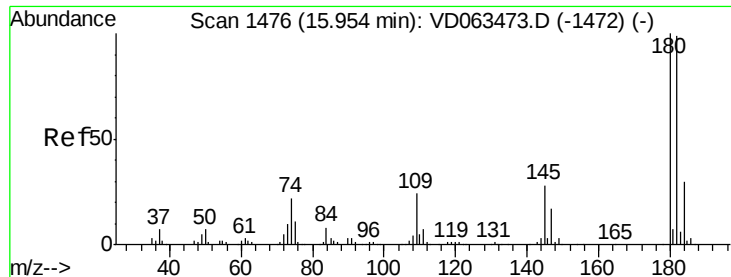
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.957 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Tgt Ion: 75 Resp: 25080
 Ion Ratio Lower Upper
 75 100
 155 114.3 50.1 150.3
 157 133.1 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

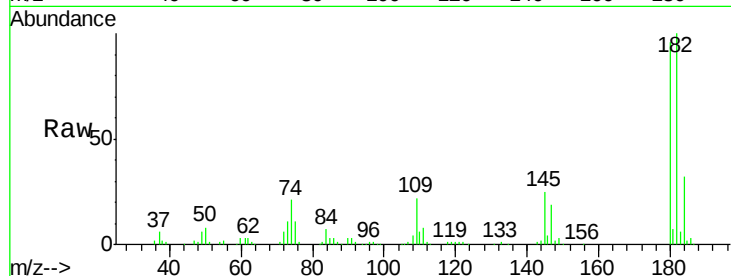




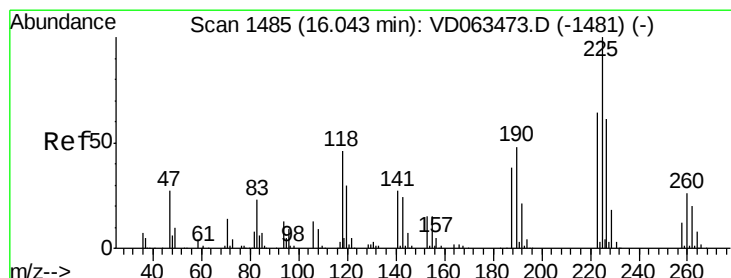
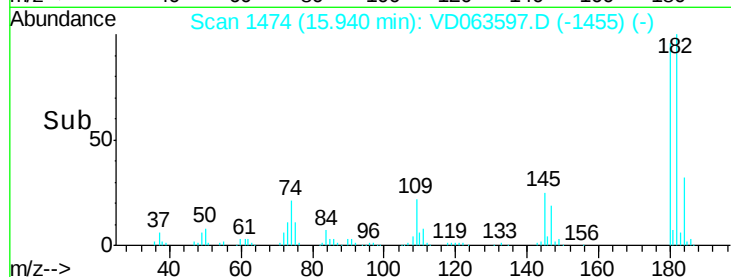
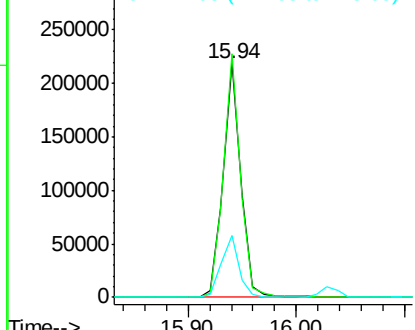
#93
 1,2,4-Trichlorobenzene
 Concen: 21.047 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 248727
 Ion Ratio Lower Upper
 180 100
 182 103.9 49.7 149.1
 145 26.2 14.1 42.2

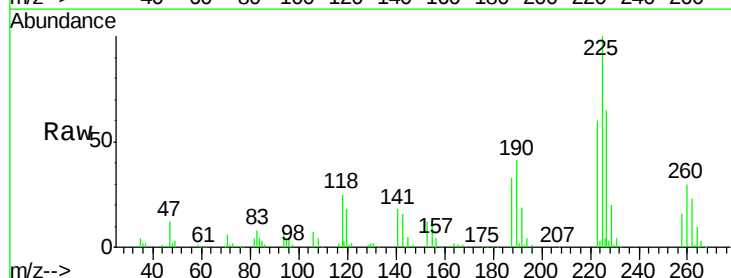


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

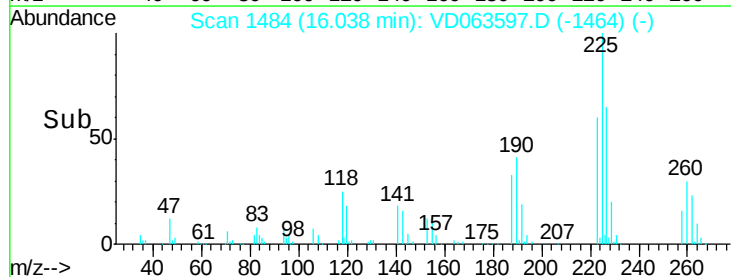
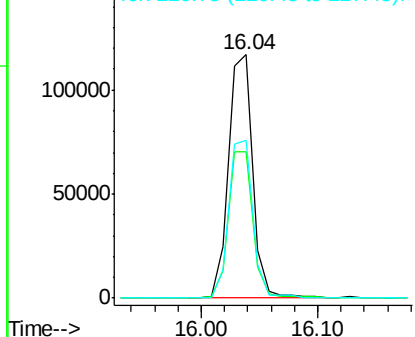


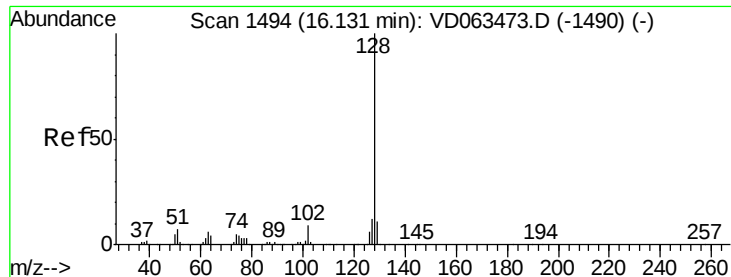
#94
 Hexachlorobutadiene
 Concen: 18.713 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063597.D
 Acq: 15 Aug 2019 3:32

Tgt Ion:225 Resp: 168542
 Ion Ratio Lower Upper
 225 100
 223 60.2 31.9 95.5
 227 64.7 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

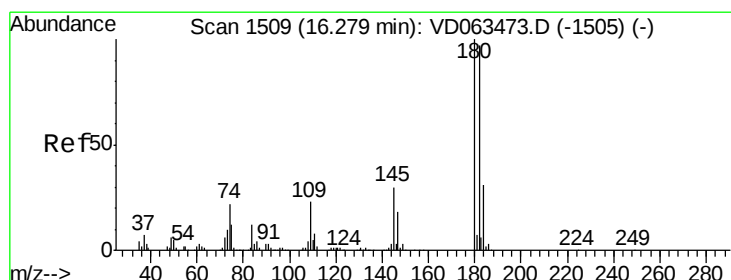
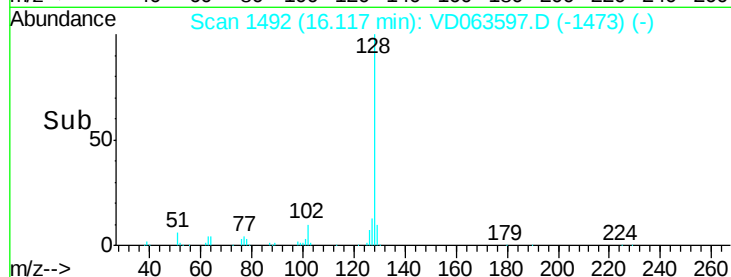
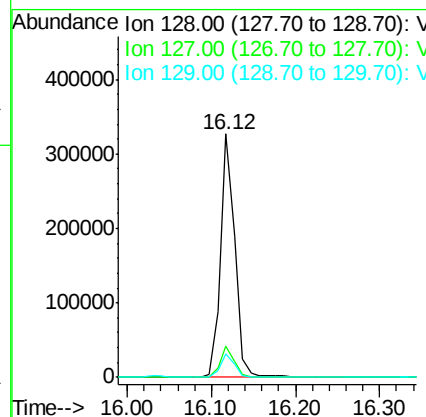
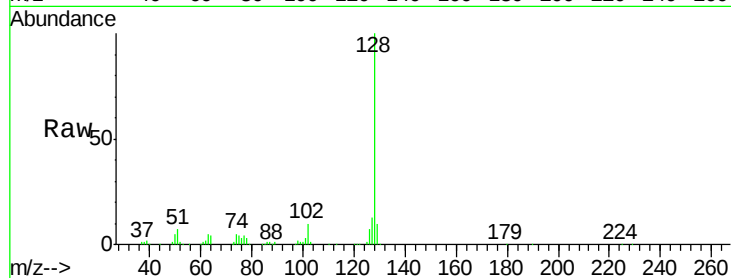




#95
Naphthalene
Concen: 21.590 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 386685
Ion Ratio Lower Upper
128 100
127 13.0 9.4 14.0
129 9.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 23.040 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063597.D
Acq: 15 Aug 2019 3:32

Tgt Ion:180 Resp: 219919
Ion Ratio Lower Upper
180 100
182 95.1 48.4 145.2
145 31.3 14.9 44.9

