

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063551.D
 Acq On : 14 Aug 2019 3:29
 Operator : JC/SY
 Sample : VD0813SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

Quant Time: Aug 14 04:51:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	884282	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1204541	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1119725	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	588048	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	529017	55.97	ug/l	-0.01
Spiked Amount			Recovery	=	111.94%	
35) Dibromofluoromethane	6.93	113	580349	57.21	ug/l	0.00
Spiked Amount			Recovery	=	114.42%	
50) Toluene-d8	10.42	98	1226814	55.01	ug/l	0.00
Spiked Amount			Recovery	=	110.02%	
62) 4-Bromofluorobenzene	13.56	95	567950	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	215421	20.136	ug/l	87
3) Chloromethane	1.75	50	185110	22.146	ug/l	99
4) Vinyl Chloride	1.84	62	164500	19.825	ug/l	90
5) Bromomethane	2.15	94	79953	20.421	ug/l	95
6) Chloroethane	2.26	64	75840	19.987	ug/l	97
7) Trichlorofluoromethane	2.53	101	334034	20.523	ug/l	93
8) Diethyl Ether	2.88	74	46385	20.185	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.14	101	198154	20.618	ug/l	92
10) Methyl Iodide	3.30	142	254139	18.689	ug/l	98
11) Tert butyl alcohol	4.08	59	46985	114.186	ug/l #	87
12) 1,1-Dichloroethene	3.12	96	147766	20.680	ug/l	95
13) Acrolein	3.04	56	33004	81.487	ug/l #	72
14) Allyl chloride	3.62	41	218349	20.328	ug/l	97
15) Acrylonitrile	4.20	53	125041	114.726	ug/l	94
16) Acetone	3.23	43	183876	95.696	ug/l	98
17) Carbon Disulfide	3.37	76	434301	19.259	ug/l	99
18) Methyl Acetate	3.65	43	98965	27.192	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	337970	23.651	ug/l	99
20) Methylene Chloride	3.81	84	171162	20.600	ug/l	89
21) trans-1,2-Dichloroethene	4.22	96	155160	20.635	ug/l	96
22) Diisopropyl ether	5.12	45	489587	22.088	ug/l	97
23) Vinyl Acetate	5.06	43	1352021	104.922	ug/l	99
24) 1,1-Dichloroethane	4.98	63	306986	22.330	ug/l	98
25) 2-Butanone	6.08	43	201381	106.118	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	265248	19.371	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	182942	22.238	ug/l	93
28) Bromochloromethane	6.44	49	118384	21.247	ug/l	96
29) Tetrahydrofuran	6.47	42	101042	114.264	ug/l	96
30) Chloroform	6.67	83	392077	22.944	ug/l	98
31) Cyclohexane	6.95	56	163822	19.195	ug/l	86
32) 1,1,1-Trichloroethane	6.88	97	357211	21.853	ug/l	95
36) 1,1-Dichloropropene	7.15	75	233424	21.921	ug/l	96
37) Ethyl Acetate	6.19	43	103454	23.186	ug/l	98
38) Carbon Tetrachloride	7.12	117	340942	21.245	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	172688	19.072	ug/l	95
40) Benzene	7.46	78	497007	21.209	ug/l	96
41) Methacrylonitrile	6.45	41	126044	22.435	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	275279	23.363	ug/l	98
43) Isopropyl Acetate	9.25	43	133121	22.276	ug/l #	96
44) Trichloroethene	8.55	130	206699	23.077	ug/l	97
45) 1,2-Dichloropropane	8.94	63	136267	24.971	ug/l	95
46) Dibromomethane	9.07	93	115431	24.769	ug/l	84
47) Bromodichloromethane	9.39	83	311022	26.018	ug/l	99
48) Methyl methacrylate	9.13	41	92387	22.796	ug/l	97
49) 1,4-Dioxane	9.09	88	17676	501.063	ug/l	94
51) 4-Methyl-2-Pentanone	10.31	43	476001	116.403	ug/l	97
52) Toluene	10.52	92	342623	22.700	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	239802	24.581	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	256796	23.345	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	122025	23.934	ug/l	96
56) Ethyl methacrylate	11.05	69	130352	23.555	ug/l	93
57) 1,3-Dichloropropane	11.41	76	171577	22.263	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	297528	101.841	ug/l	98
59) 2-Hexanone	11.54	43	356182	119.707	ug/l	100
60) Dibromochloromethane	11.69	129	226719	24.438	ug/l	96
61) 1,2-Dibromoethane	11.82	107	147983	23.976	ug/l	99
64) Tetrachloroethene	11.27	164	187171	21.653	ug/l	93
65) Chlorobenzene	12.41	112	457400	21.795	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	216785	23.472	ug/l	93
67) Ethyl Benzene	12.53	91	794719	21.779	ug/l	100
68) m/p-Xylenes	12.66	106	520611	40.609	ug/l	93
69) o-Xylene	13.05	106	252633	20.475	ug/l	94
70) Styrene	13.08	104	461963	21.048	ug/l	98
71) Bromoform	13.23	173	142113	22.440	ug/l	96
73) Isopropylbenzene	13.40	105	725254	19.390	ug/l	95
74) N-amyl acetate	13.26	43	190465	20.285	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	140298	22.599	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	147317	21.828	ug/l	98
77) Bromobenzene	13.68	156	228598	22.362	ug/l	86
78) n-propylbenzene	13.78	91	924182	21.118	ug/l	96
79) 2-Chlorotoluene	13.84	91	522458	20.706	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	675528	20.671	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	35147	19.376	ug/l	95
82) 4-Chlorotoluene	13.95	91	630376	20.775	ug/l	95
83) tert-Butylbenzene	14.19	119	727568	21.142	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	604759	20.000	ug/l	95
85) sec-Butylbenzene	14.37	105	787800	21.556	ug/l	97
86) p-Isopropyltoluene	14.49	119	766487	21.935	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	382351	20.678	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	395657	22.303	ug/l	97
89) n-Butylbenzene	14.80	91	597822	18.745	ug/l	95
90) Hexachloroethane	15.01	117	196288	22.348	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	332085	21.168	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24635	21.074	ug/l	78

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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

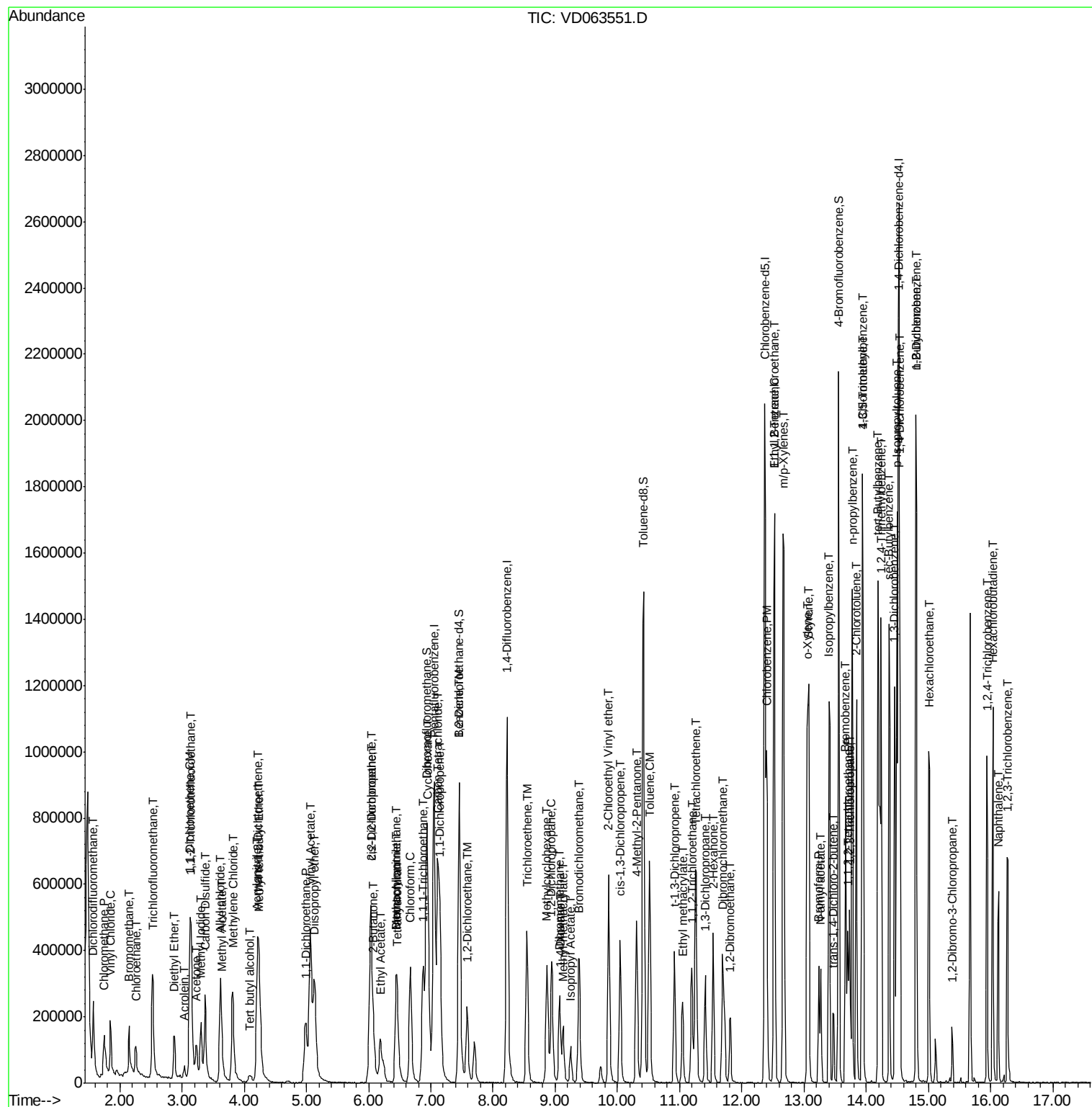
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	250290	21.682	ug/l	93
94) Hexachlorobutadiene	16.04	225	185717	21.110	ug/l	98
95) Naphthalene	16.13	128	376720	21.534	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	197330	21.165	ug/l	94

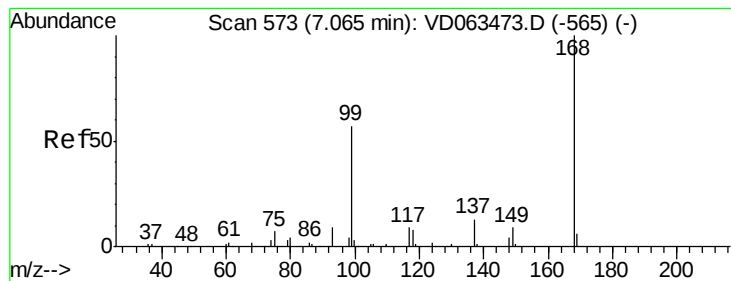
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
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 Acq On : 14 Aug 2019 3:29
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

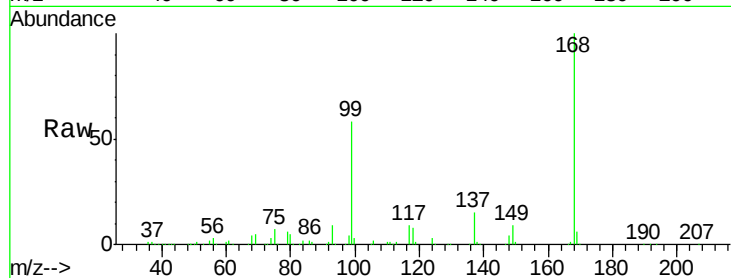
VD0813SBS02

Tot Ion:168 Resp: 884282

Ion Ratio Lower Upper

168 100

99 58.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

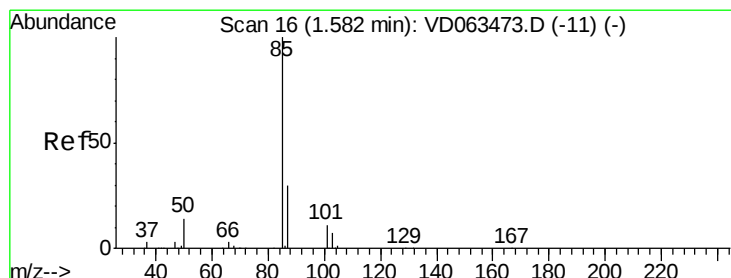
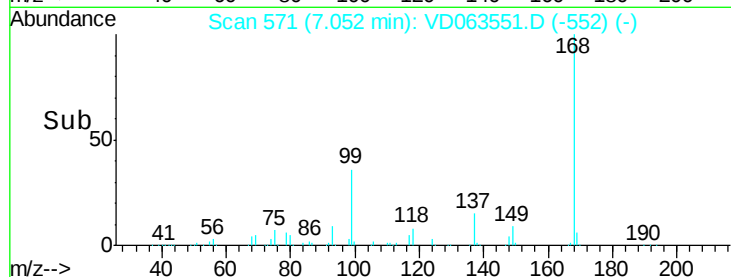
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 20.136 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063551.D

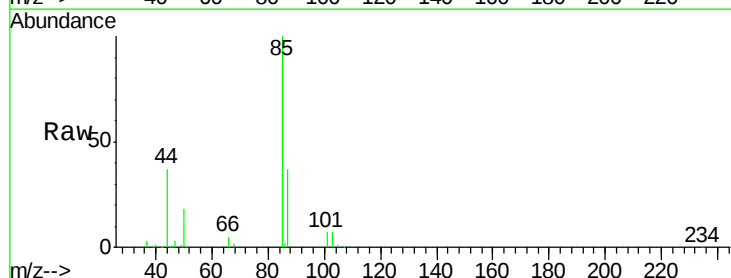
Acq: 14 Aug 2019 3:29

Tgt Ion: 85 Resp: 215421

Ion Ratio Lower Upper

85 100

87 37.2 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

60000

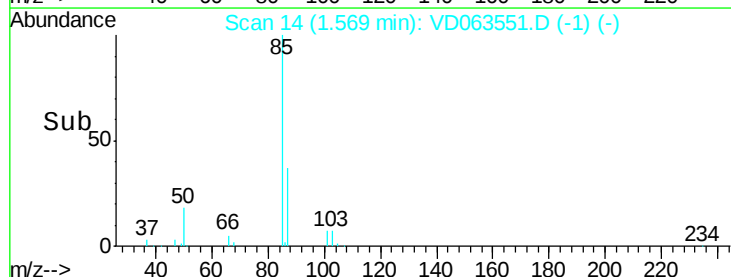
40000

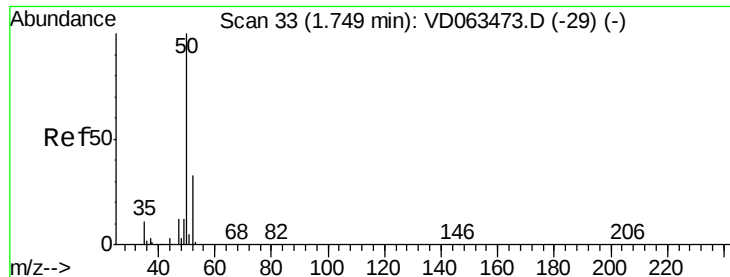
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 22.146 ug/l

RT: 1.75 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

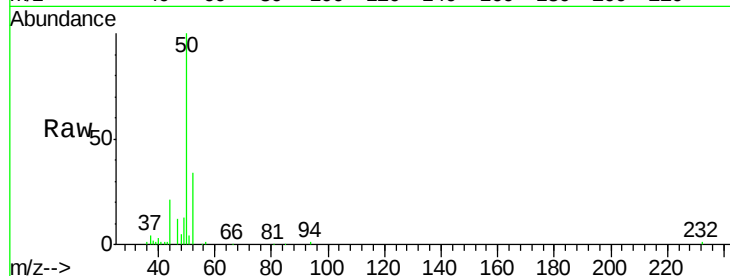
VD0813SBS02

Tot Ion: 50 Resp: 185110

Ion Ratio Lower Upper

50 100

52 34.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

80000

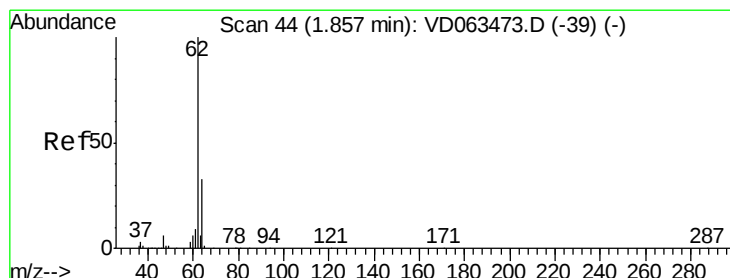
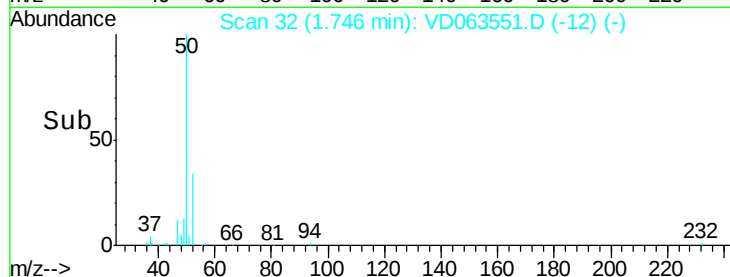
60000

40000

20000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 19.825 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD063551.D

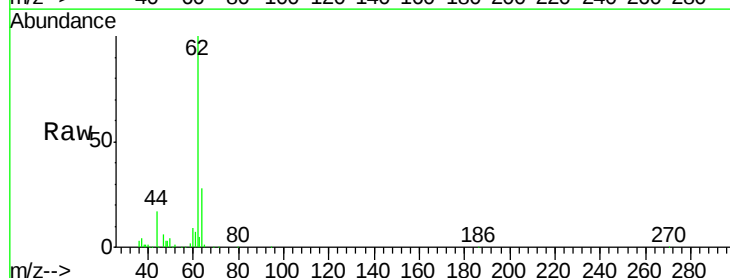
Acq: 14 Aug 2019 3:29

Tgt Ion: 62 Resp: 164500

Ion Ratio Lower Upper

62 100

64 27.6 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

100000

80000

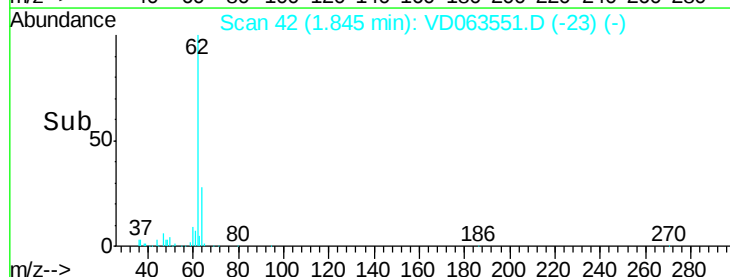
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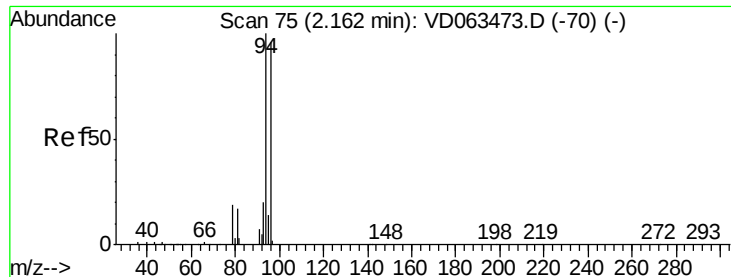
40000

20000

0

Time--> 1.80 1.90 2.00





#5

Bromomethane

Concen: 20.421 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

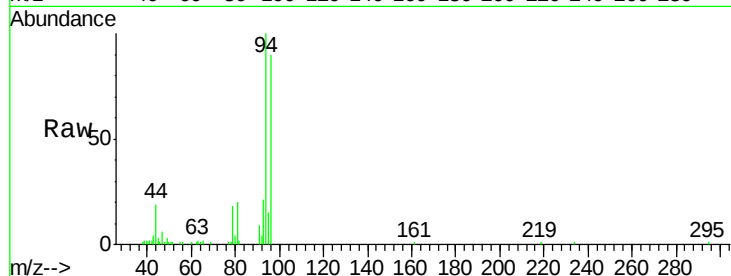
Tot Ion: 94 Resp: 79953

Ion Ratio Lower Upper

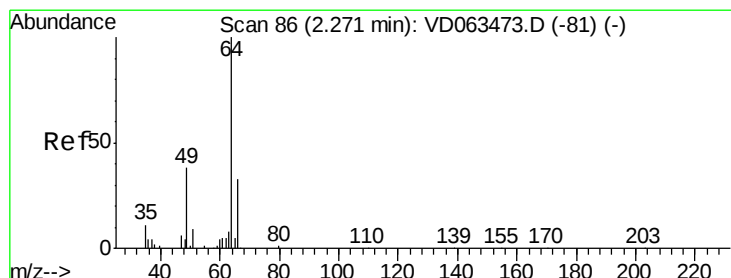
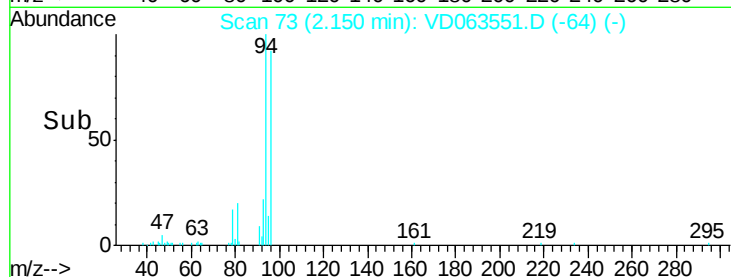
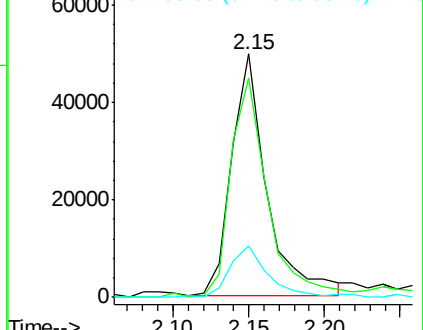
94 100

96 90.3 76.5 114.7

93 21.4 15.8 23.8



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



#6

Chloroethane

Concen: 19.987 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063551.D

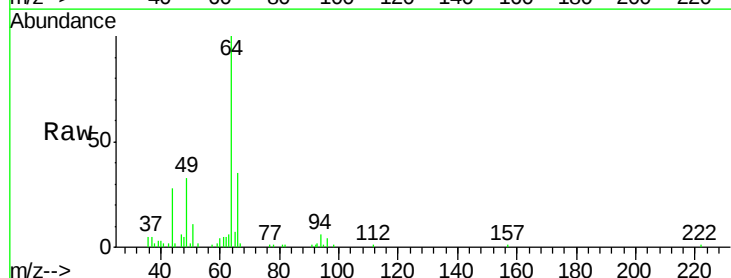
Acq: 14 Aug 2019 3:29

Tgt Ion: 64 Resp: 75840

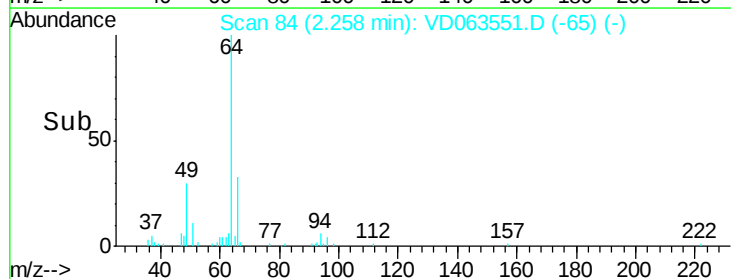
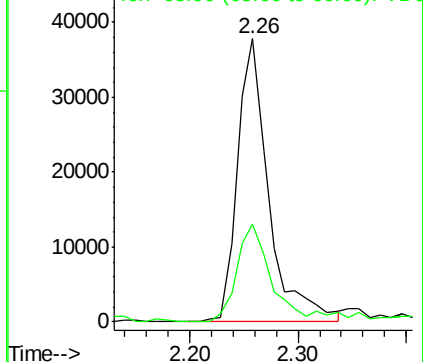
Ion Ratio Lower Upper

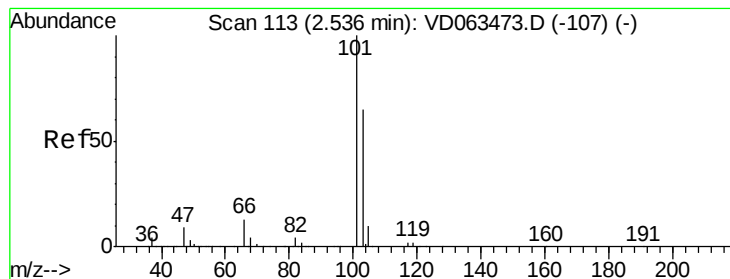
64 100

66 34.6 26.3 39.5



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



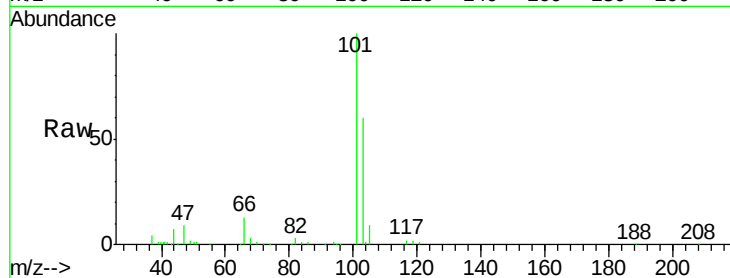


#7

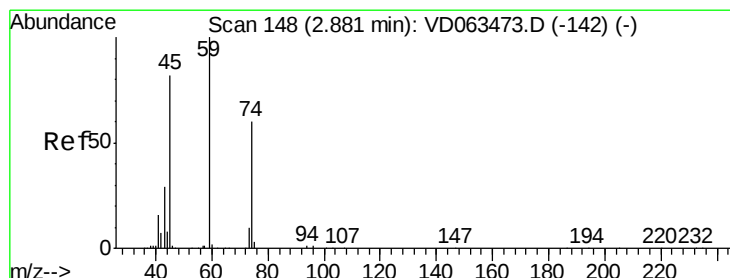
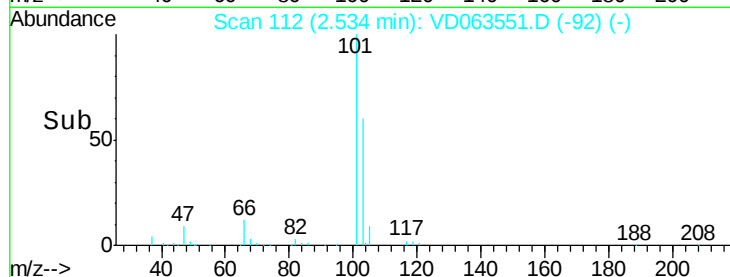
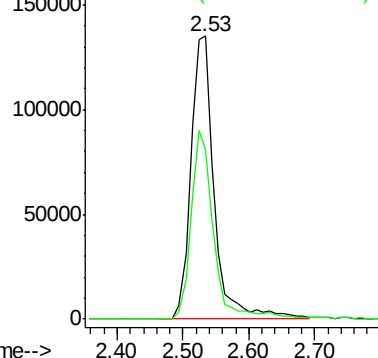
Trichlorofluoromethane
 Concen: 20.523 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

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Tot Ion:101 Resp: 334034
 Ion Ratio Lower Upper
 101 100
 103 60.0 52.2 78.4



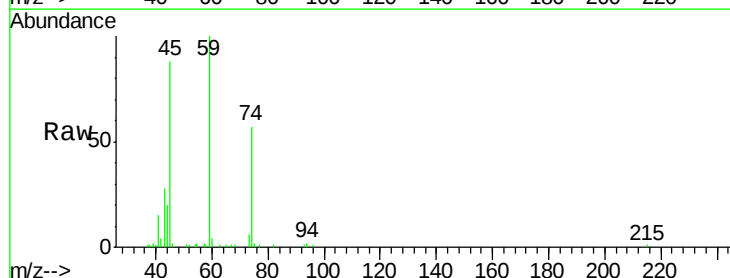
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



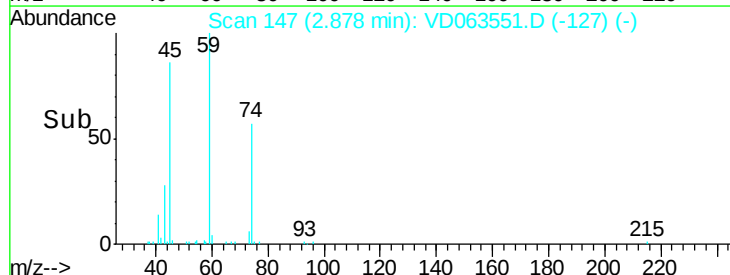
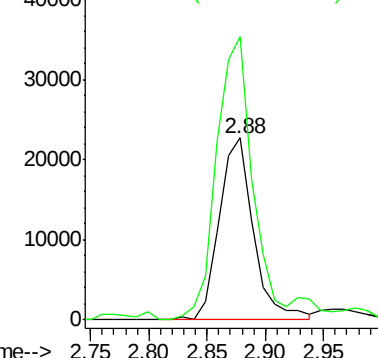
#8

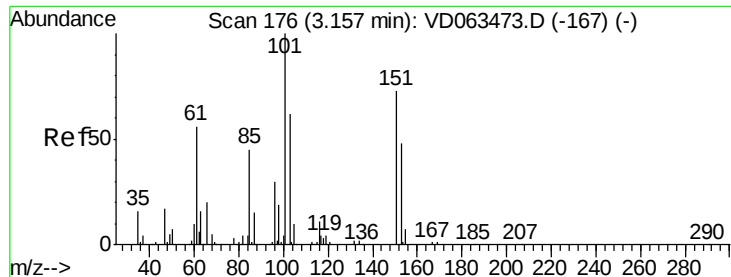
Diethyl Ether
 Concen: 20.185 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063551.D
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Tgt Ion: 74 Resp: 46385
 Ion Ratio Lower Upper
 74 100
 45 155.4 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.618 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

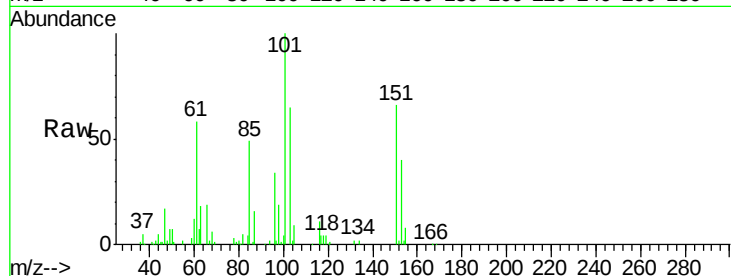
Tot Ion:101 Resp: 198154

Ion Ratio Lower Upper

101 100

85 49.0 35.8 53.6

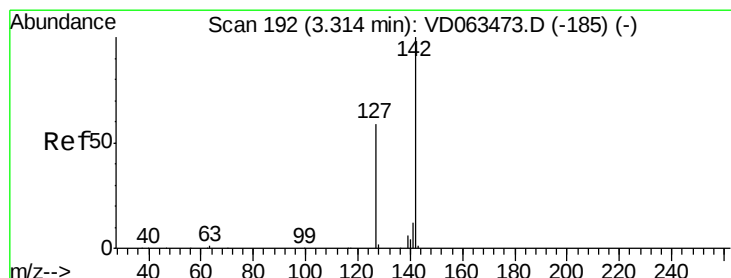
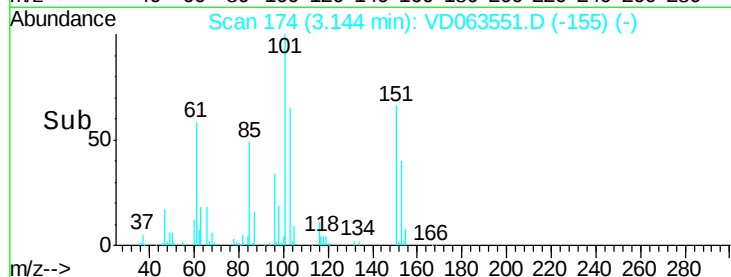
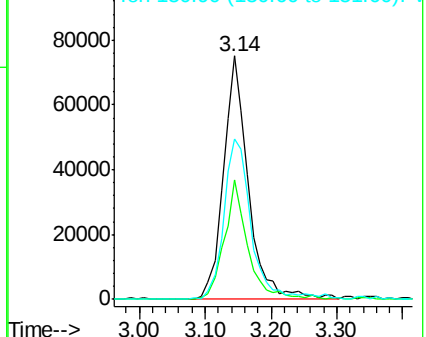
151 66.0 58.6 88.0



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: 18.689 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

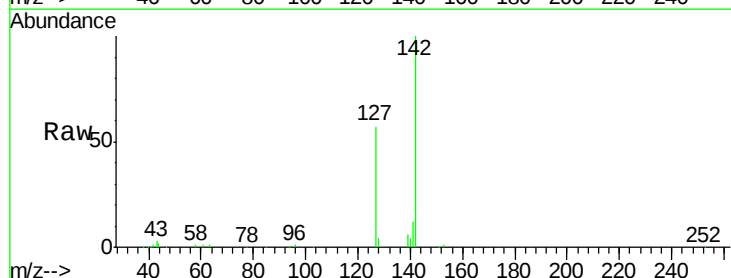
Tgt Ion:142 Resp: 254139

Ion Ratio Lower Upper

142 100

127 56.9 47.2 70.8

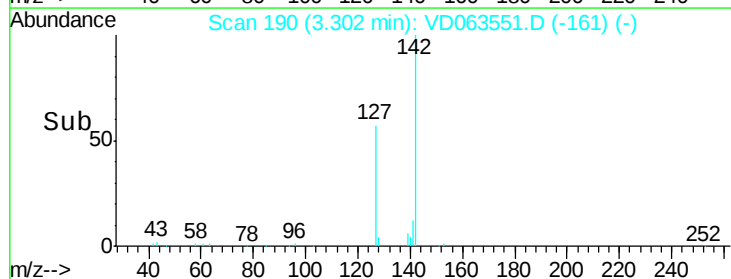
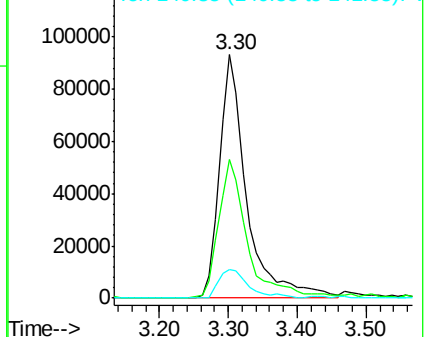
141 11.9 9.8 14.8

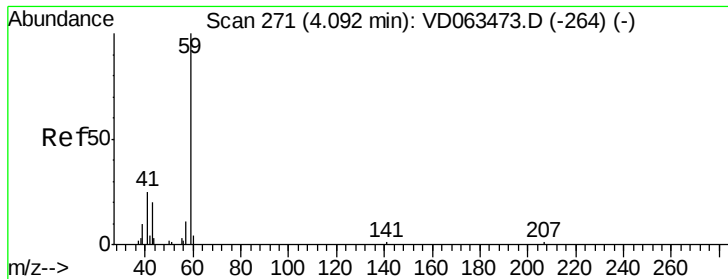


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



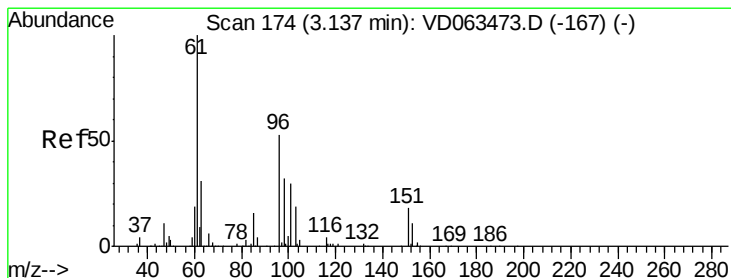
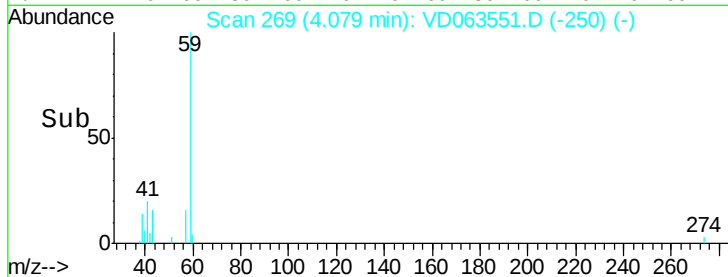
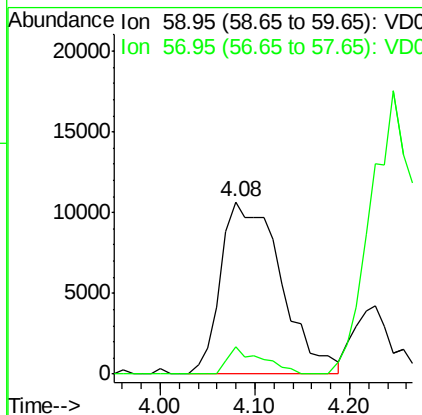
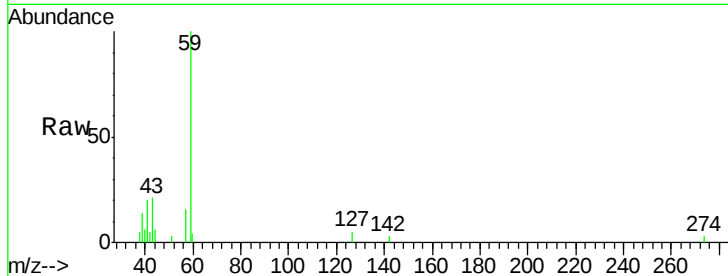


#11

Tert butyl alcohol
 Concen: 114.186 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

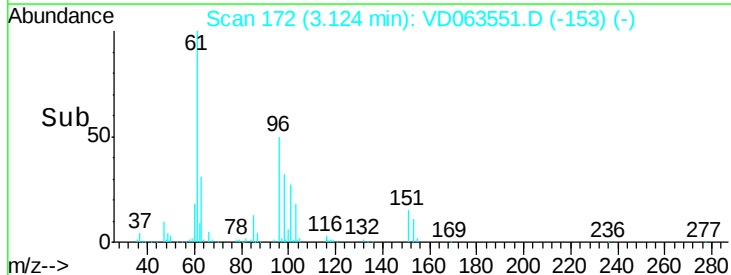
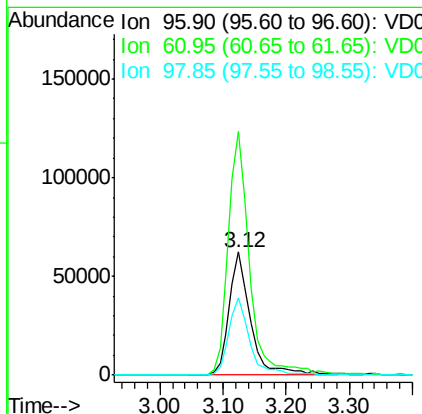
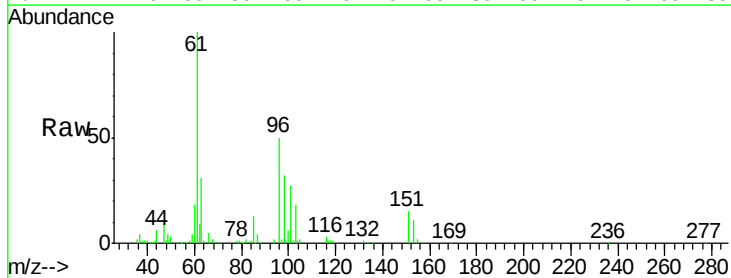
Tot Ion: 59 Resp: 46985
 Ion Ratio Lower Upper
 59 100
 57 15.8 8.7 13.1#

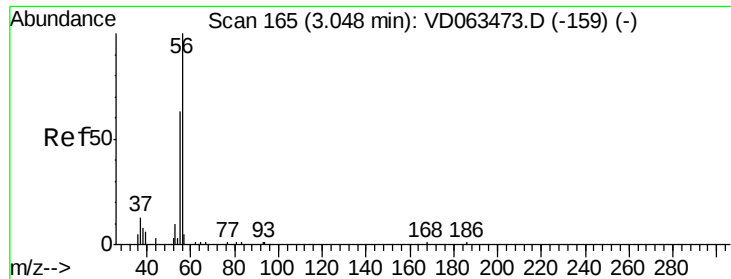


#12

1,1-Dichloroethene
 Concen: 20.680 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion: 96 Resp: 147766
 Ion Ratio Lower Upper
 96 100
 61 198.2 151.7 227.5
 98 63.1 48.4 72.6





#13

Acrolein

Concen: 81.487 ug/l

RT: 3.04 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

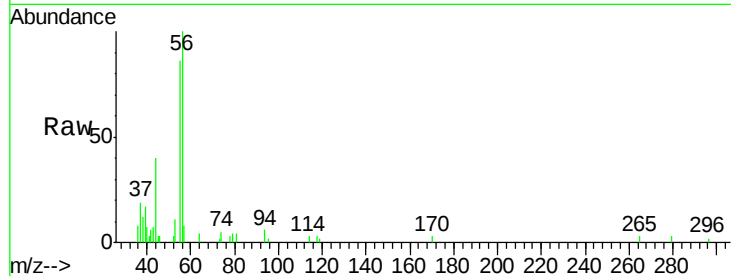
VD0813SBS02

Tot Ion: 56 Resp: 33004

Ion Ratio Lower Upper

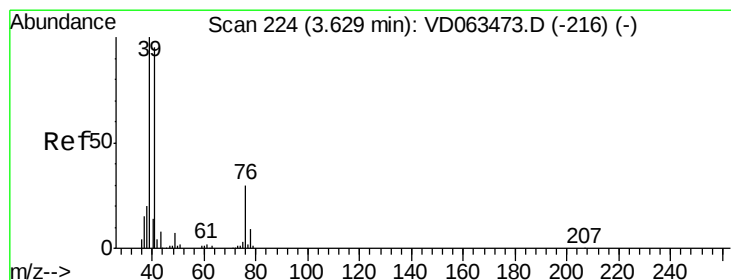
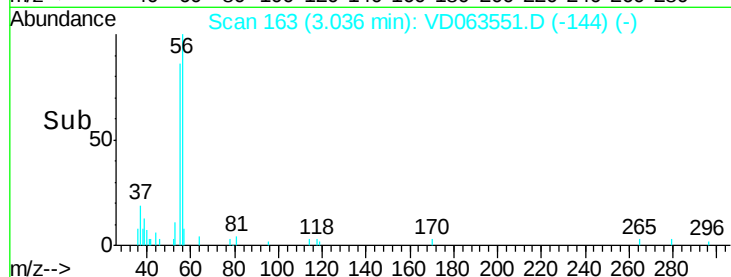
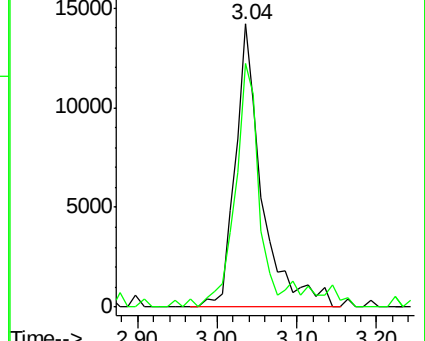
56 100

55 85.9 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.328 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

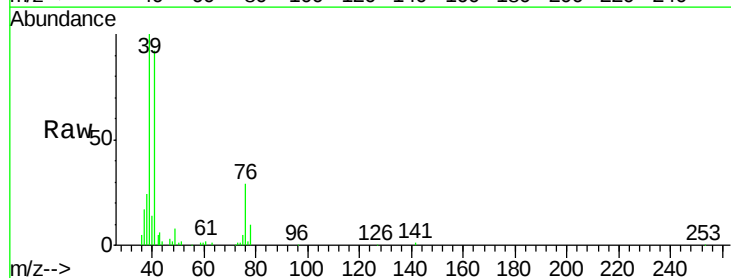
Tgt Ion: 41 Resp: 218349

Ion Ratio Lower Upper

41 100

39 109.2 84.2 126.4

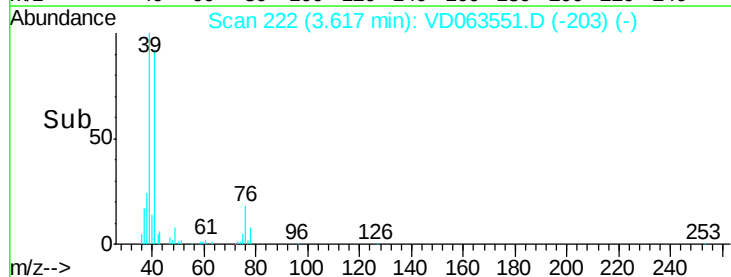
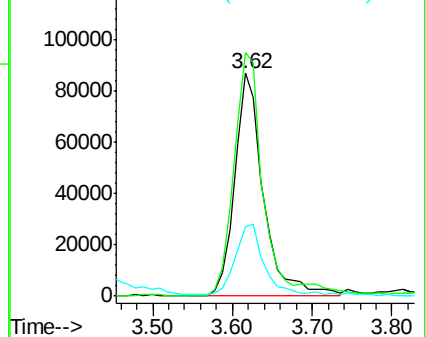
76 31.4 26.0 39.0

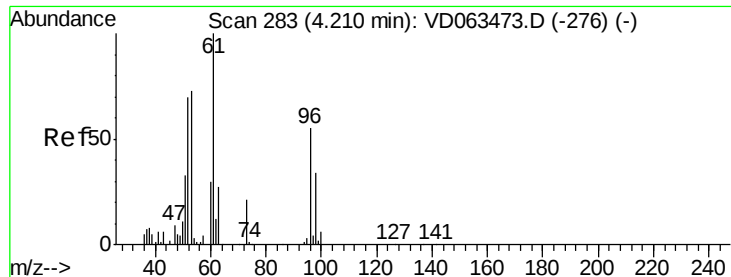


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 114.726 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

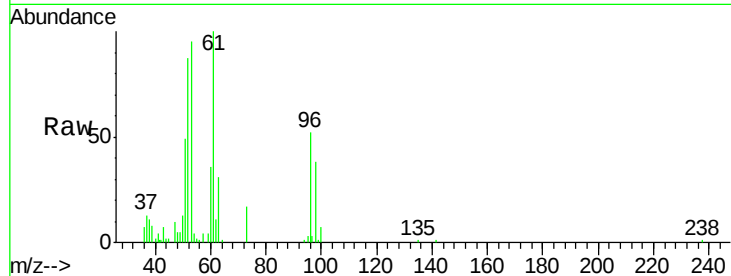
Tot Ion: 53 Resp: 125041

Ion Ratio Lower Upper

53 100

52 91.9 77.4 116.0

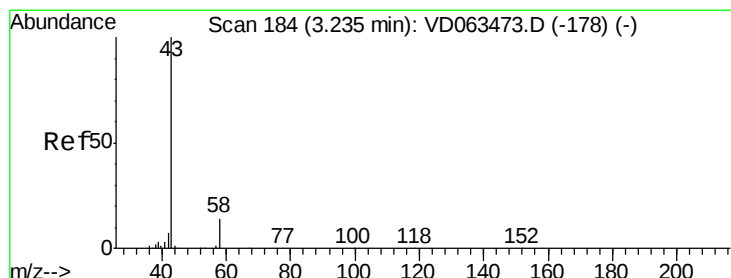
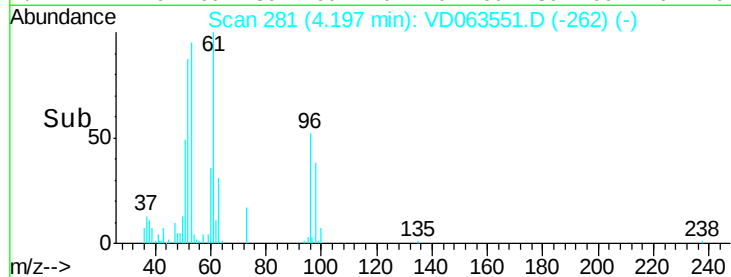
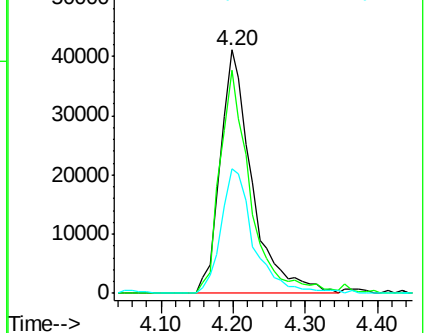
51 51.2 36.7 55.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 95.696 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063551.D

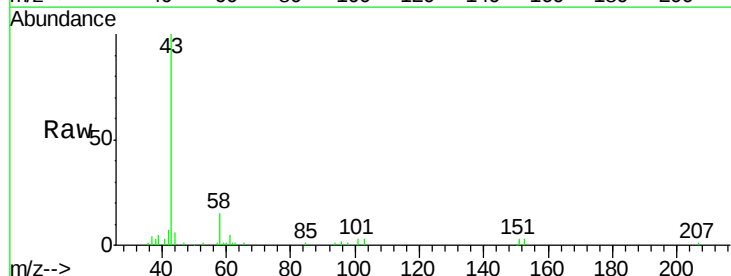
Acq: 14 Aug 2019 3:29

Tgt Ion: 43 Resp: 183876

Ion Ratio Lower Upper

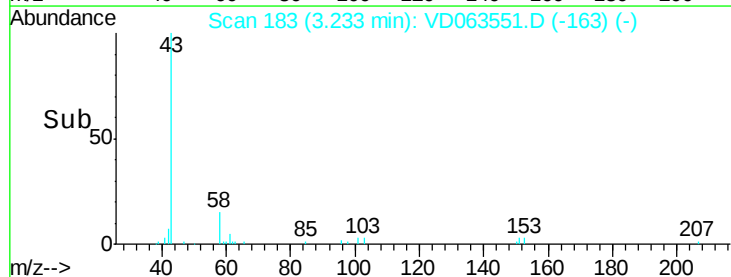
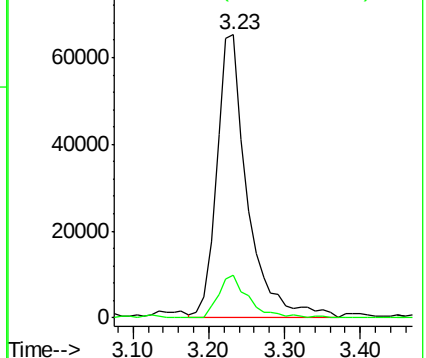
43 100

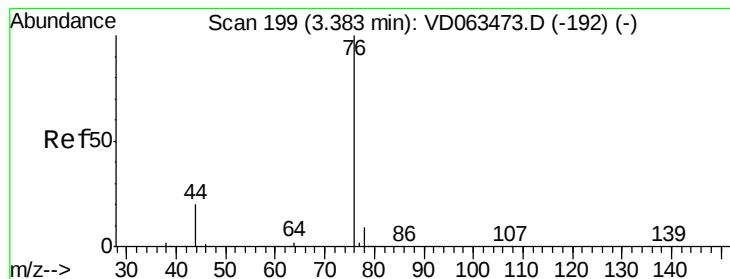
58 15.2 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 19.259 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

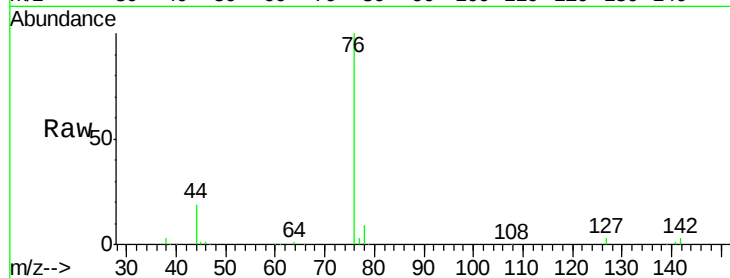
VD0813SBS02

Tot Ion: 76 Resp: 434301

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

150000

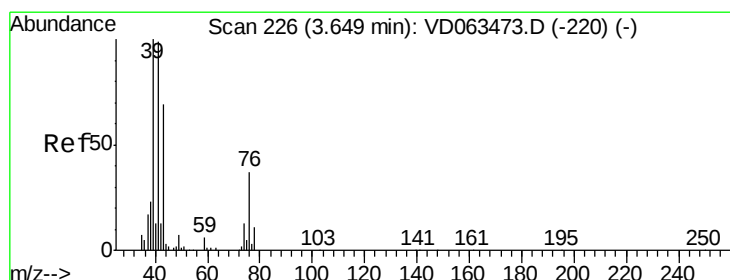
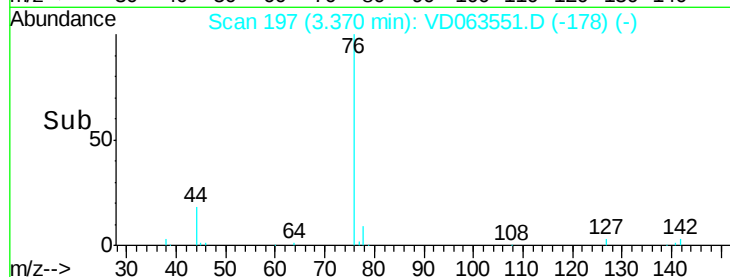
100000

50000

0

3.20 3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 27.192 ug/l

RT: 3.65 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD063551.D

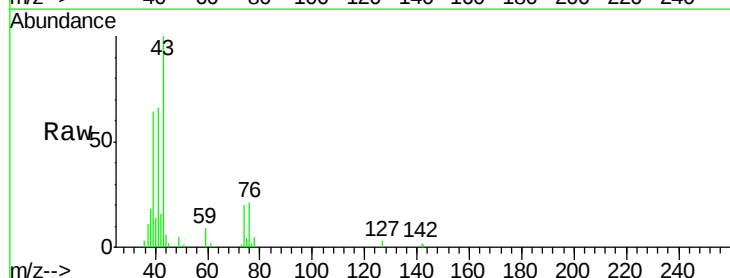
Acq: 14 Aug 2019 3:29

Tgt Ion: 43 Resp: 98965

Ion Ratio Lower Upper

43 100

74 20.3 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

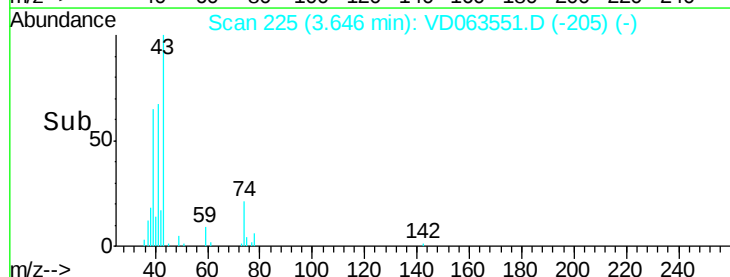
20000

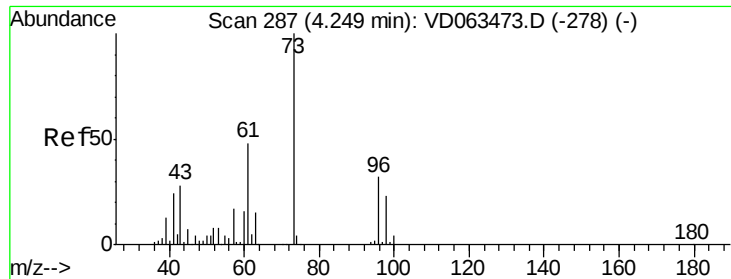
10000

0

3.50 3.60 3.70 3.80

Time-->

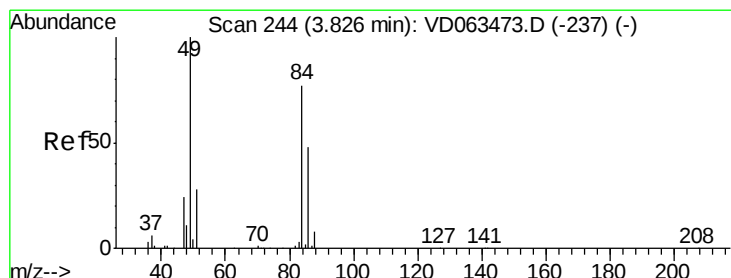
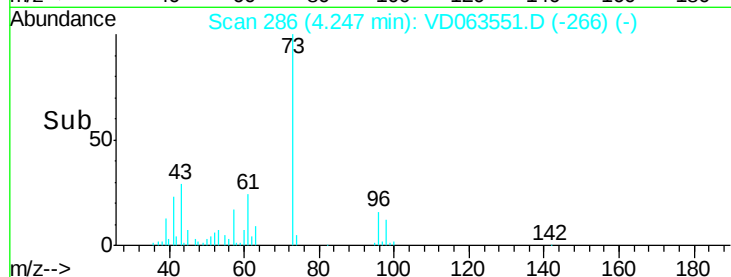
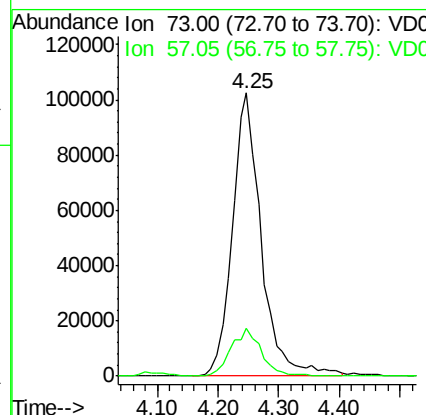
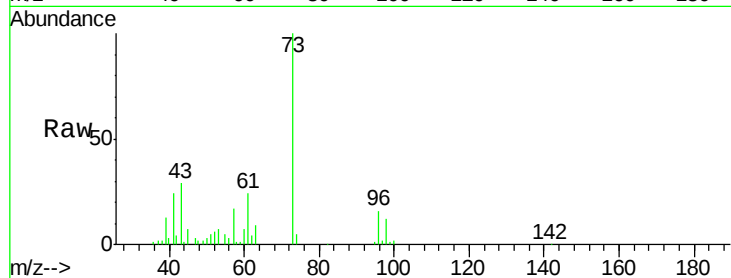




#19
Methvl tert-butvl Ether
Concen: 23.651 ug/l
RT: 4.25 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

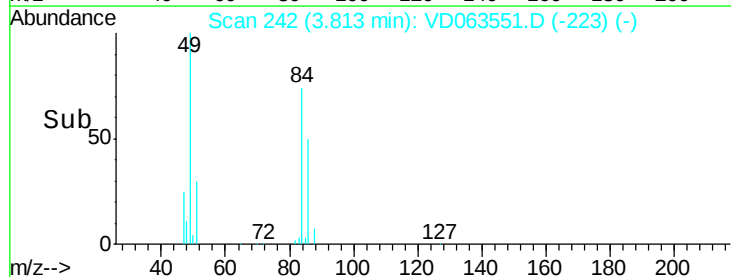
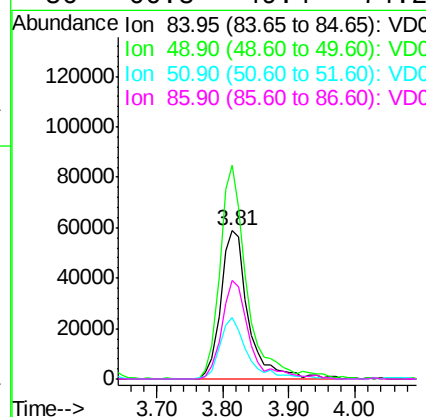
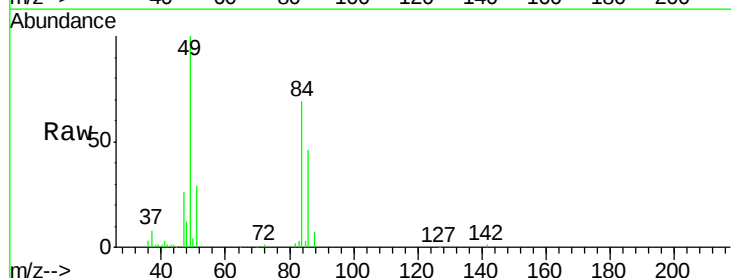
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

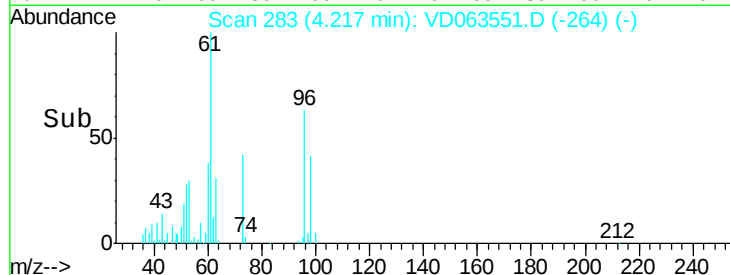
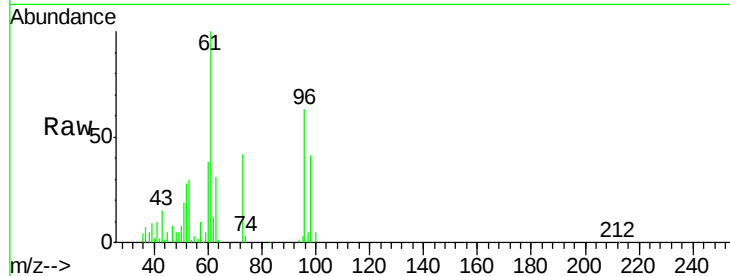
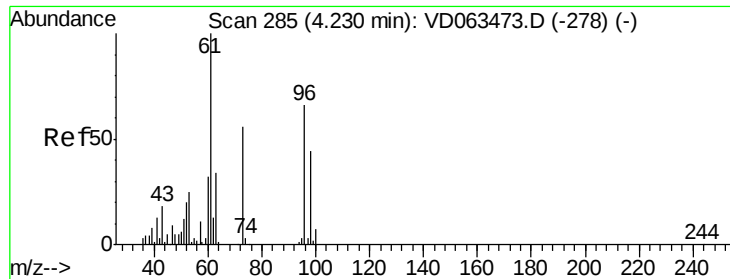
Tot Ion: 73 Resp: 337970
Ion Ratio Lower Upper
73 100
57 17.1 14.0 21.0



#20
Methylene Chloride
Concen: 20.600 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 84 Resp: 171162
Ion Ratio Lower Upper
84 100
49 144.4 103.4 155.2
51 41.9 28.5 42.7
86 66.8 49.4 74.2

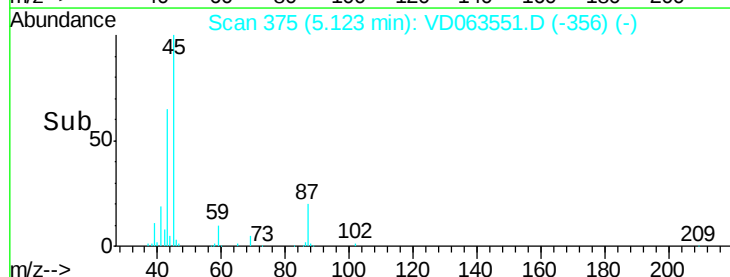
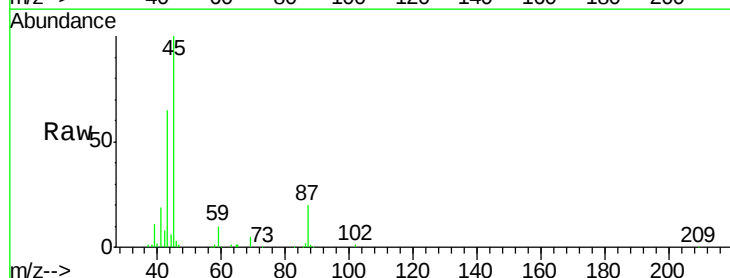
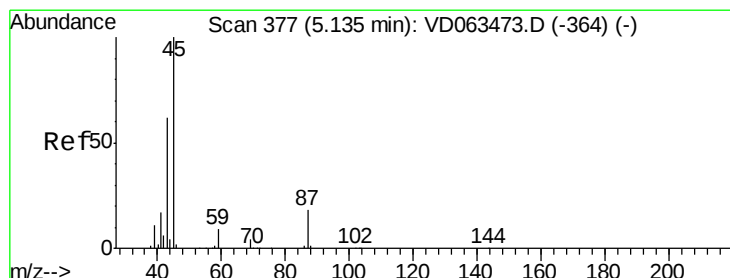
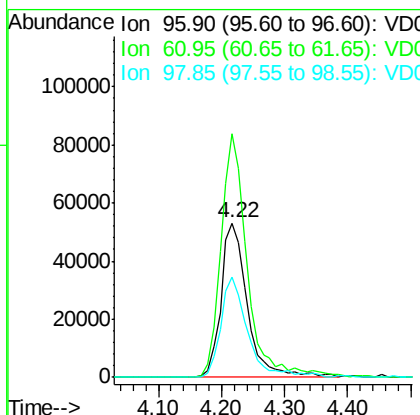




#21
trans-1,2-Dichloroethene
Concen: 20.635 ug/l
RT: 4.22 min Scan# 283
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

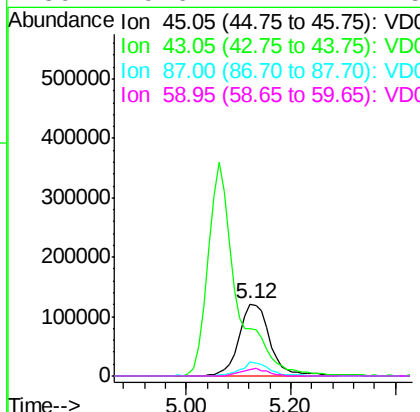
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

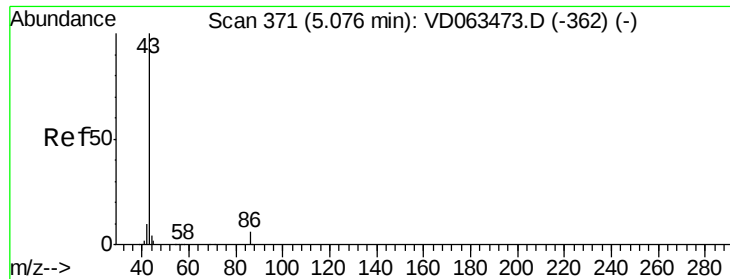
Tot Ion: 96 Resp: 155160
Ion Ratio Lower Upper
96 100
61 158.0 121.7 182.5
98 64.9 54.2 81.2



#22
Diisopropyl ether
Concen: 22.088 ug/l
RT: 5.12 min Scan# 375
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 45 Resp: 489587
Ion Ratio Lower Upper
45 100
43 65.2 50.3 75.5
87 20.2 14.3 21.5
59 9.6 7.7 11.5





#23

Vinyl Acetate

Concen: 104.922 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

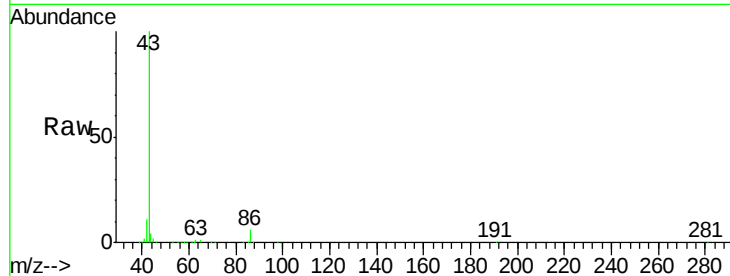
VD0813SBS02

Tot Ion: 43 Resp: 1352021

Ion Ratio Lower Upper

43 100

86 5.5 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

400000

300000

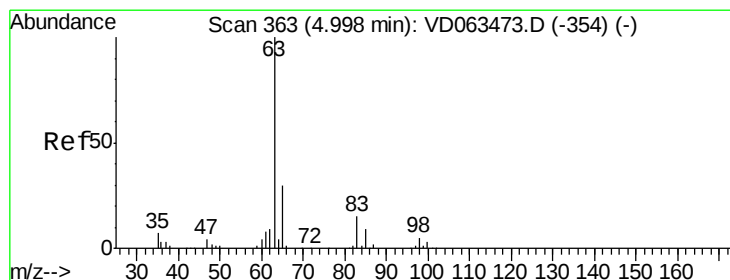
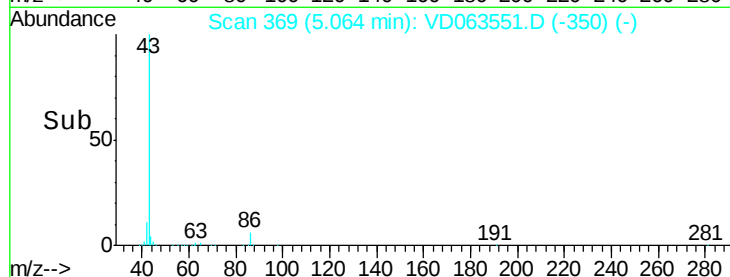
200000

100000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 22.330 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

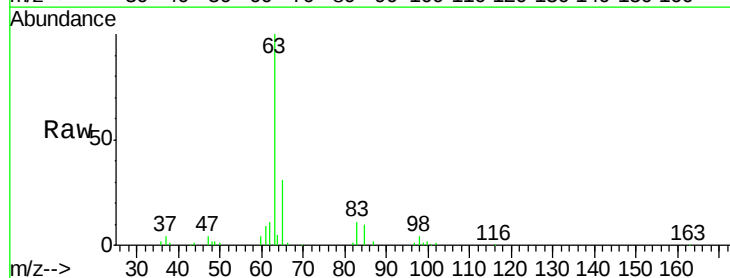
Tgt Ion: 63 Resp: 306986

Ion Ratio Lower Upper

63 100

98 4.1 2.4 7.2

100 2.7 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

120000

100000

80000

60000

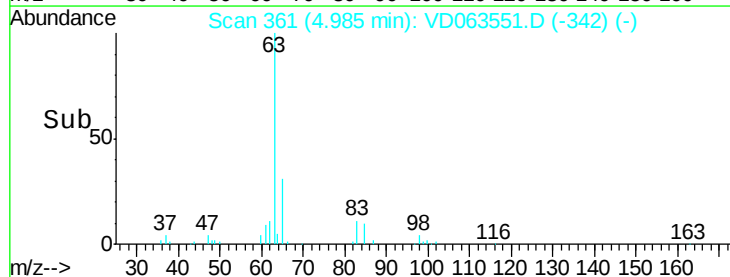
40000

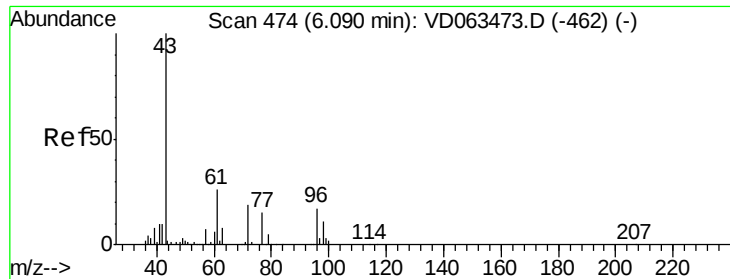
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 106.118 ug/l

RT: 6.08 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

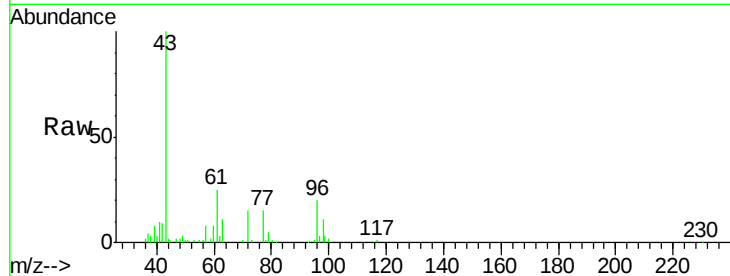
VD0813SBS02

Tot Ion: 43 Resp: 201381

Ion Ratio Lower Upper

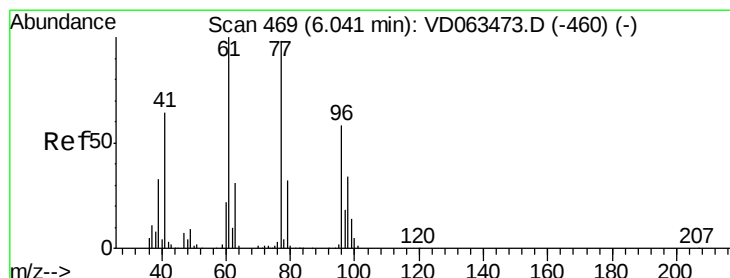
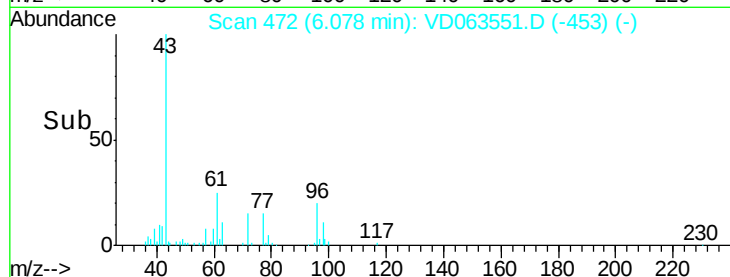
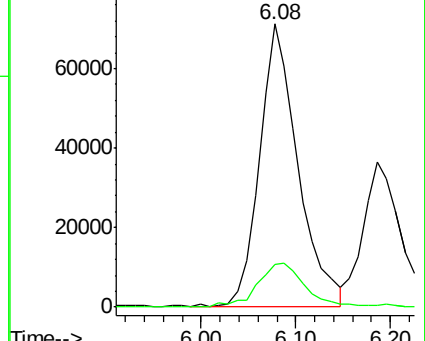
43 100

72 15.1 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: 19.371 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD063551.D

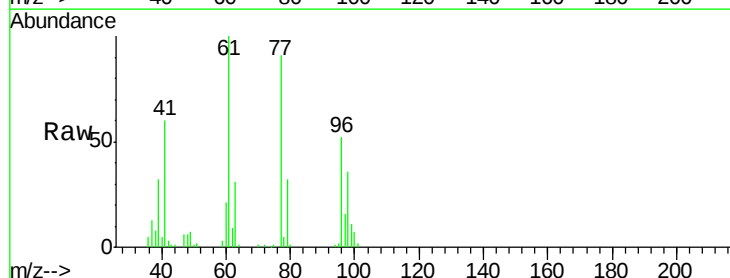
Acq: 14 Aug 2019 3:29

Tgt Ion: 77 Resp: 265248

Ion Ratio Lower Upper

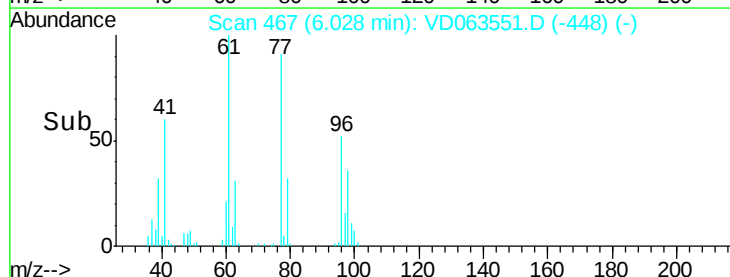
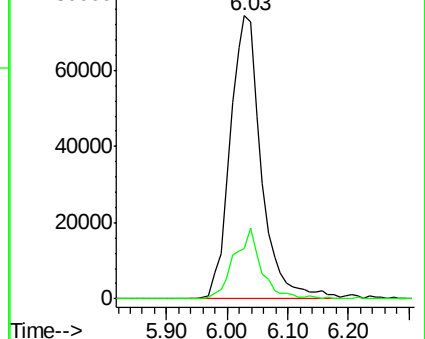
77 100

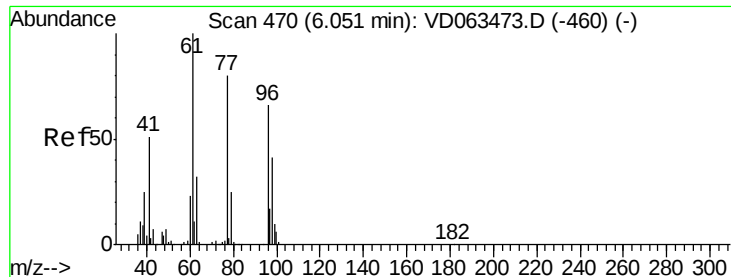
97 17.7 9.0 27.1



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: 22.238 ug/l

RT: 6.04 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

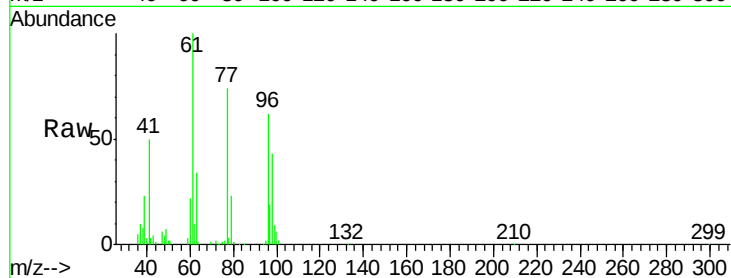
Tot Ion: 96 Resp: 182942

Ion Ratio Lower Upper

96 100

61 160.5 0.0 304.0

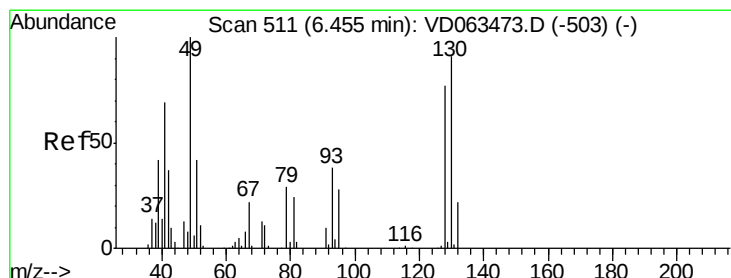
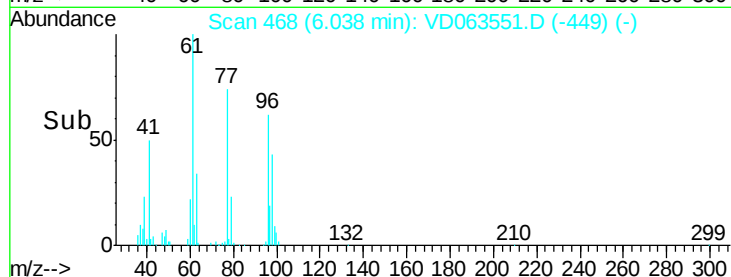
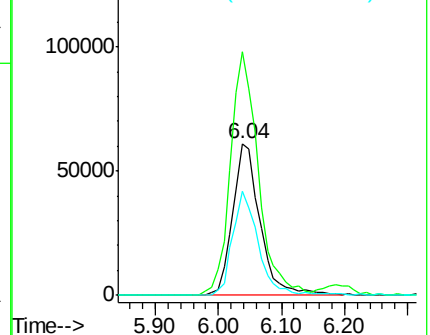
98 68.3 0.0 124.8



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: 21.247 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

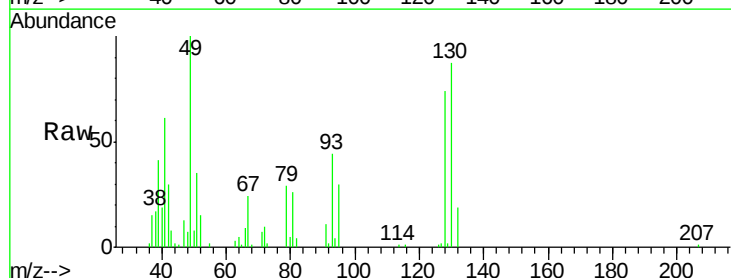
Tgt Ion: 49 Resp: 118384

Ion Ratio Lower Upper

49 100

129 2.4 0.0 6.4

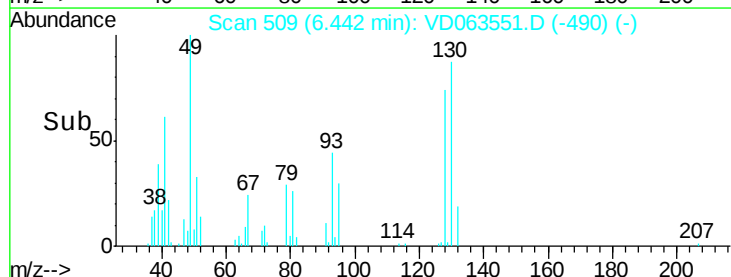
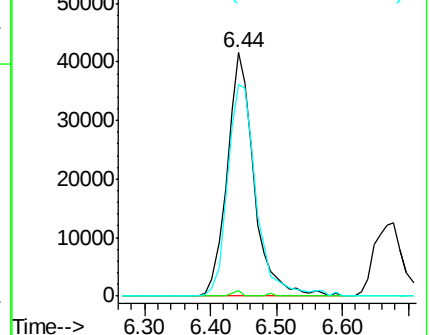
130 87.0 72.4 108.6

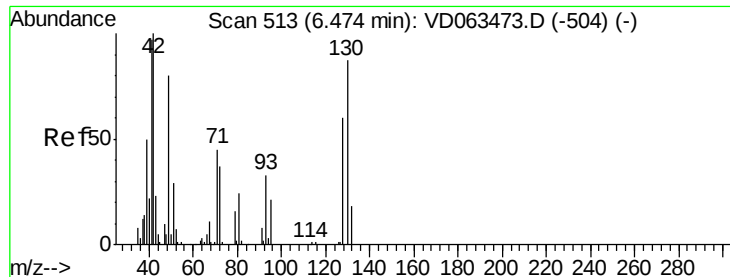


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

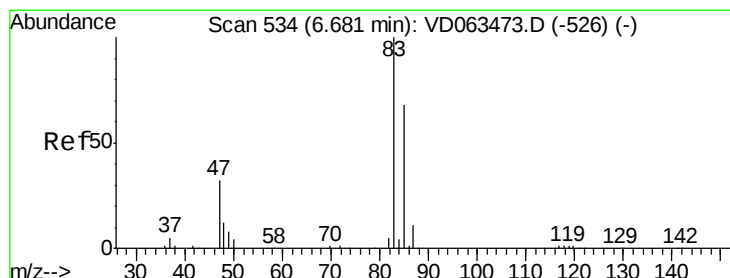
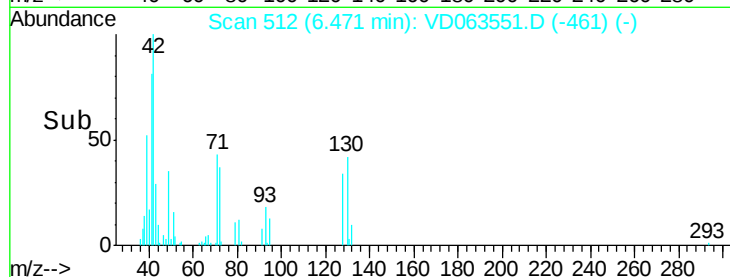
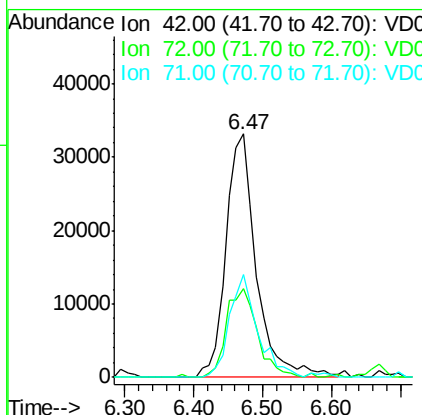
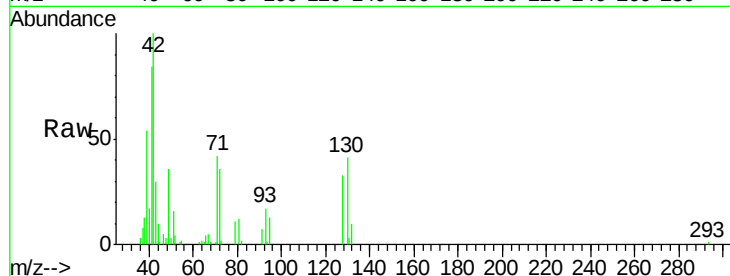




#29
Tetrahydrofuran
Concen: 114.264 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

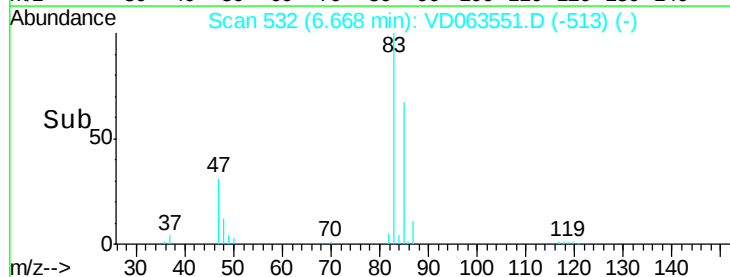
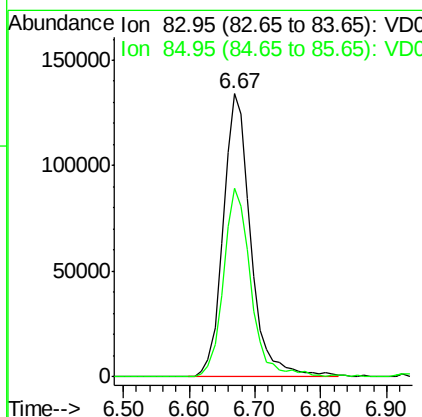
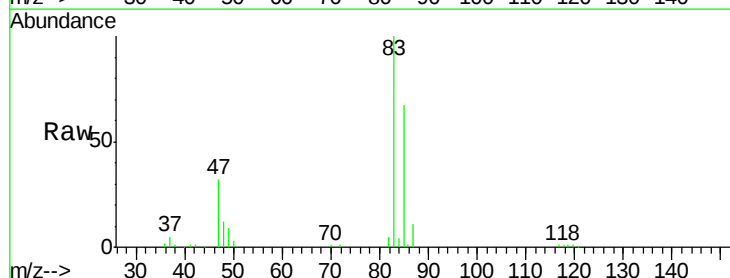
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

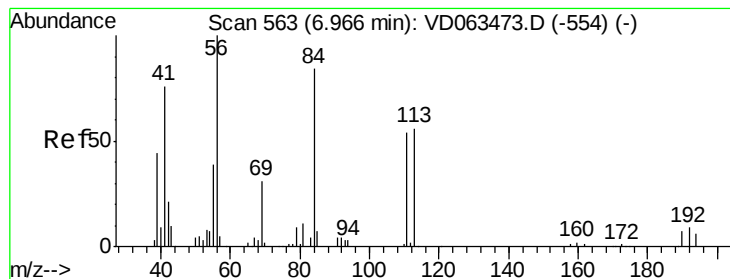
Tot Ion: 42 Resp: 101042
Ion Ratio Lower Upper
42 100
72 37.3 31.5 47.3
71 39.1 33.8 50.8



#30
Chloroform
Concen: 22.944 ug/l
RT: 6.67 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 83 Resp: 392077
Ion Ratio Lower Upper
83 100
85 66.8 54.8 82.2





#31

Cyclohexane

Concen: 19.195 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

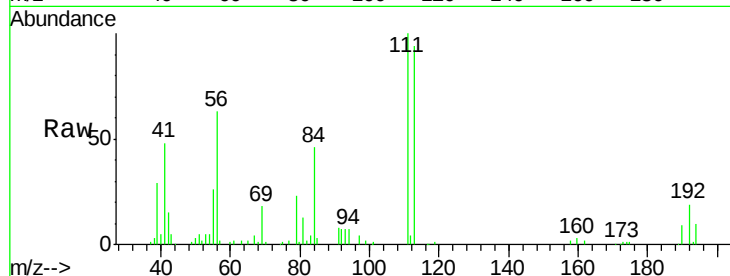
Tot Ion: 56 Resp: 163822

Ion Ratio Lower Upper

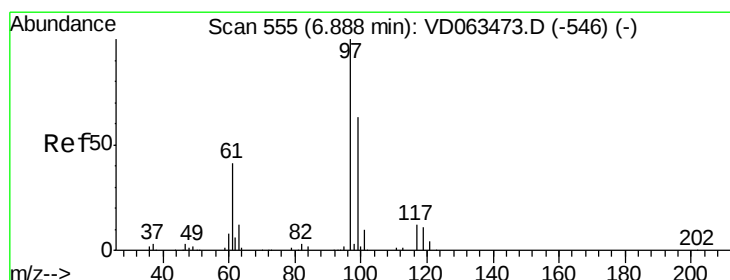
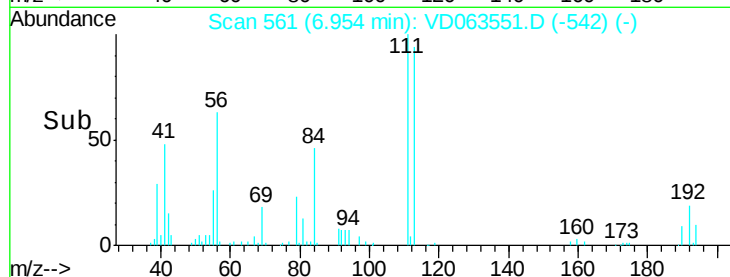
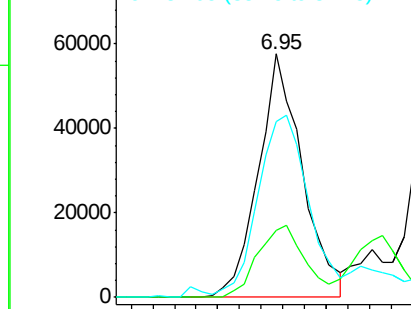
56 100

69 27.7 25.0 37.6

84 72.1 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 21.853 ug/l

RT: 6.88 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

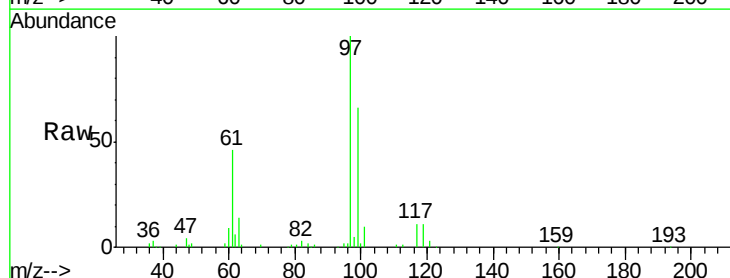
Tgt Ion: 97 Resp: 357211

Ion Ratio Lower Upper

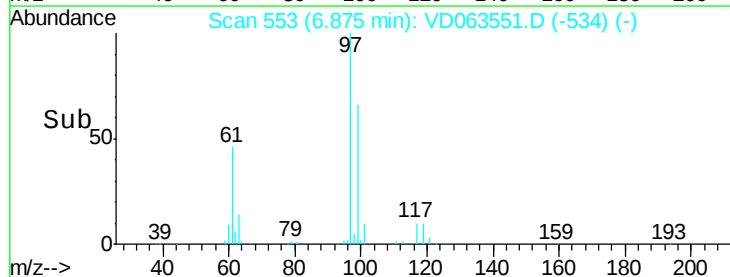
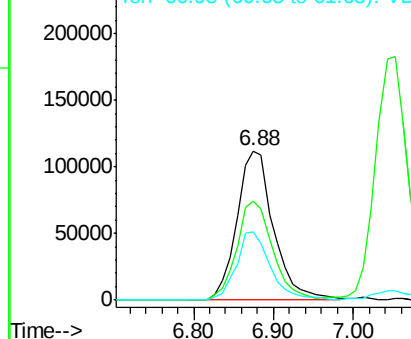
97 100

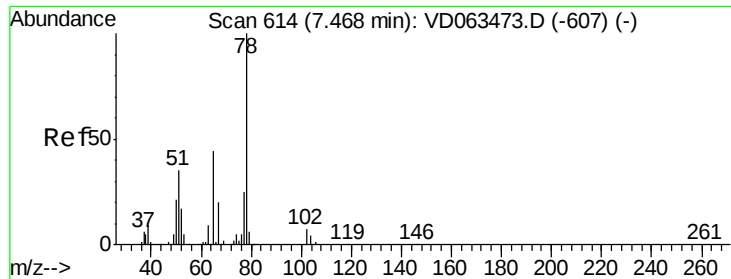
99 66.1 50.2 75.4

61 45.6 33.1 49.7



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

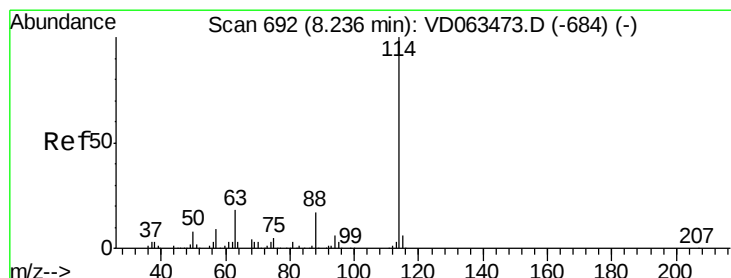
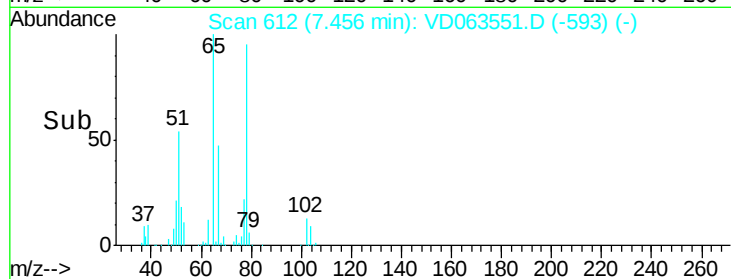
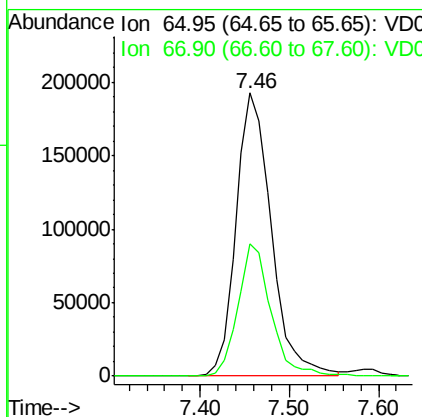
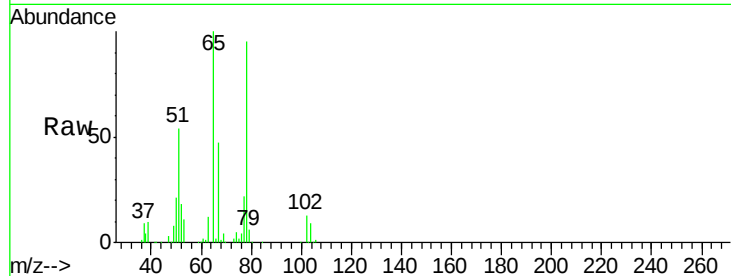




#33
 1,2-Dichloroethane-d4
 Concen: 55.967 ug/l
 RT: 7.46 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

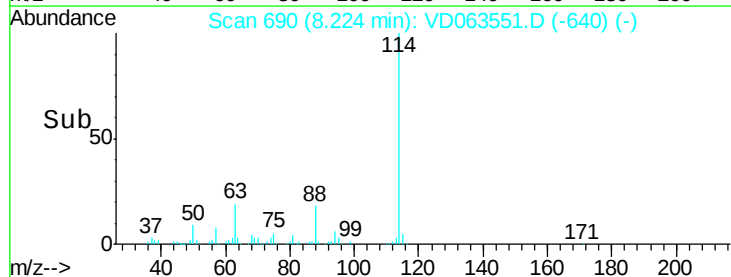
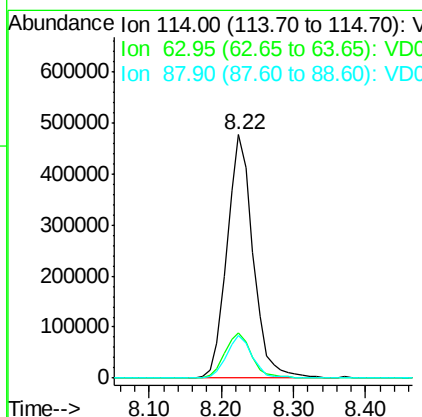
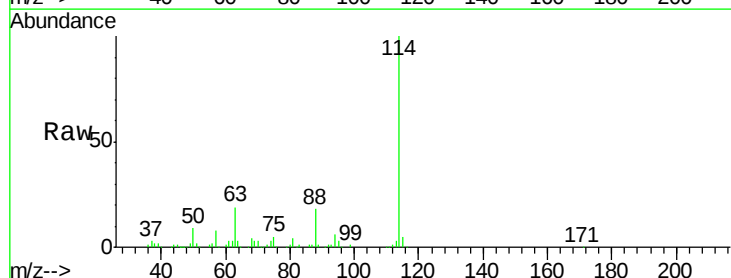
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

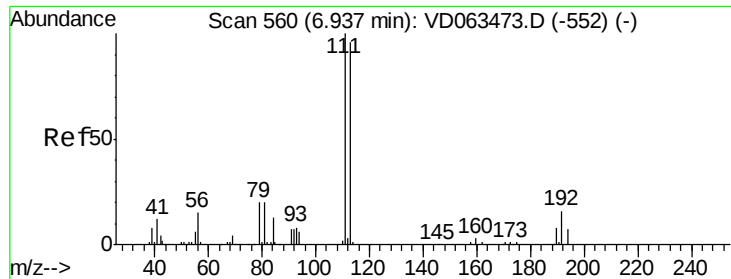
Tot Ion: 65 Resp: 529017
 Ion Ratio Lower Upper
 65 100
 67 47.0 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion: 114 Resp: 1204541
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.2
 88 17.5 0.0 35.0





#35

Dibromofluoromethane

Concen: 57.207 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

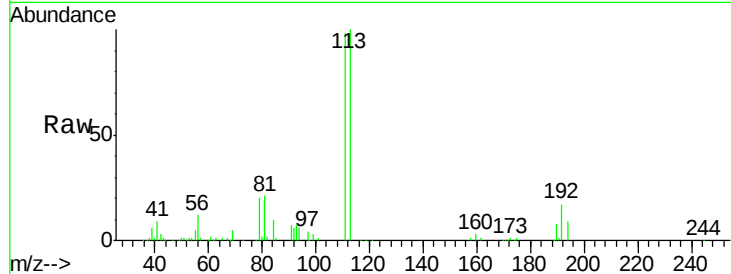
Tot Ion:113 Resp: 580349

Ion Ratio Lower Upper

113 100

111 98.3 83.1 124.7

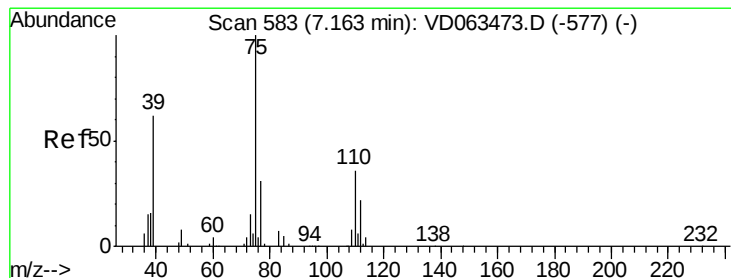
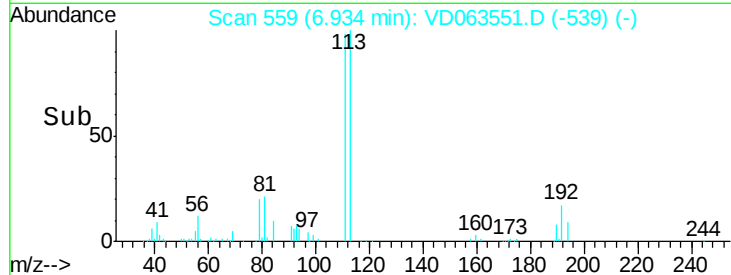
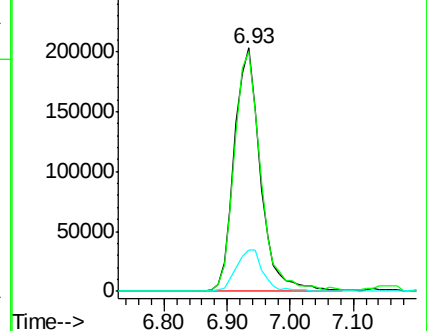
192 17.0 13.1 19.7



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: 21.921 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

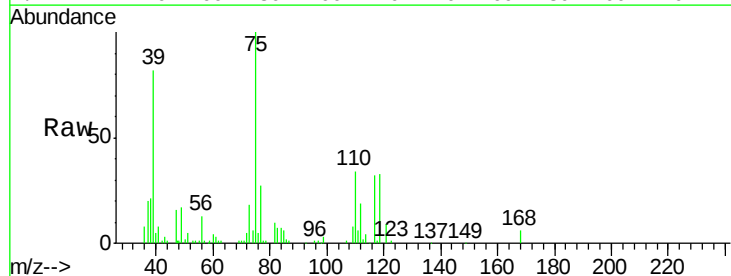
Tgt Ion: 75 Resp: 233424

Ion Ratio Lower Upper

75 100

110 34.1 17.6 52.8

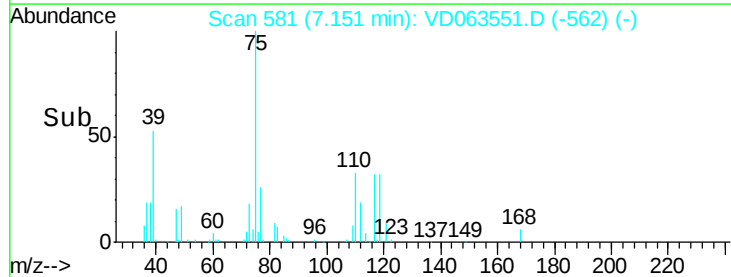
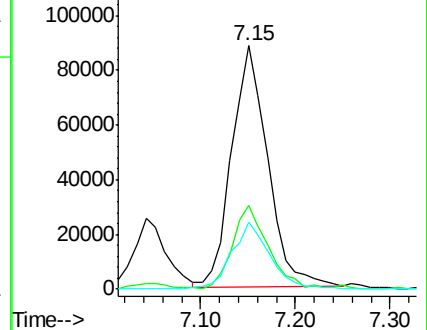
77 27.4 24.3 36.5

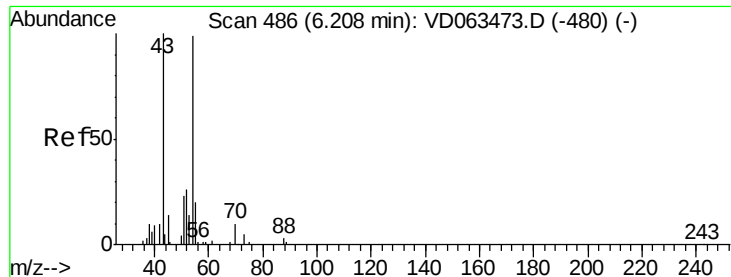


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

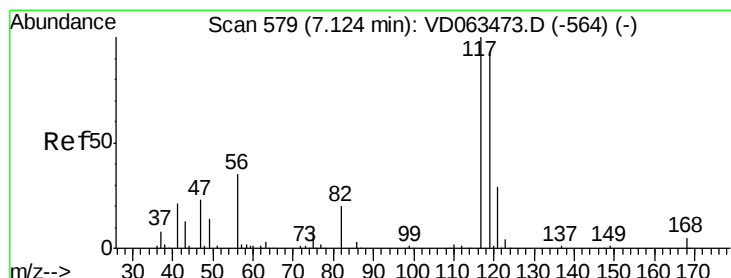
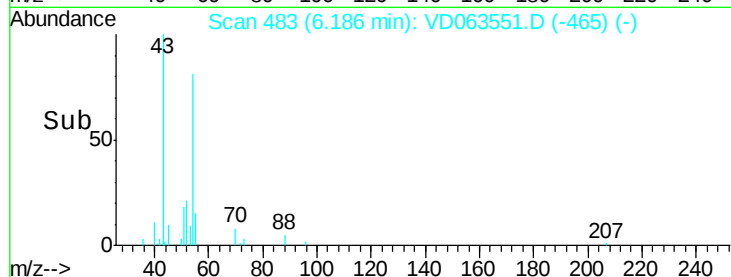
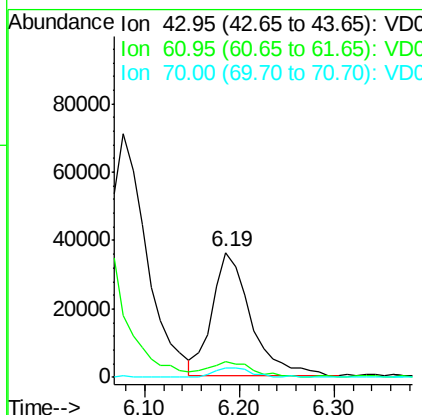
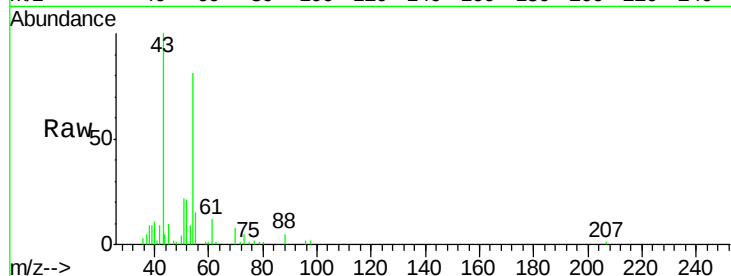




#37
Ethyl Acetate
Concen: 23.186 ug/l
RT: 6.19 min Scan# 483
Delta R.T. -0.02 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

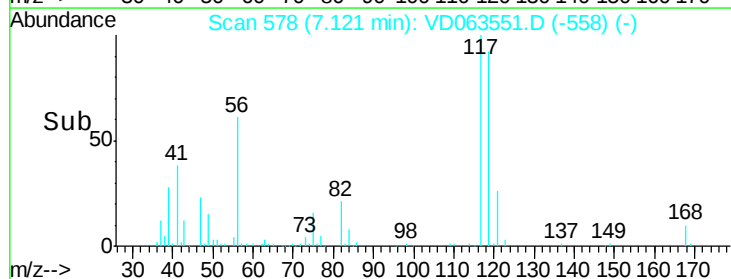
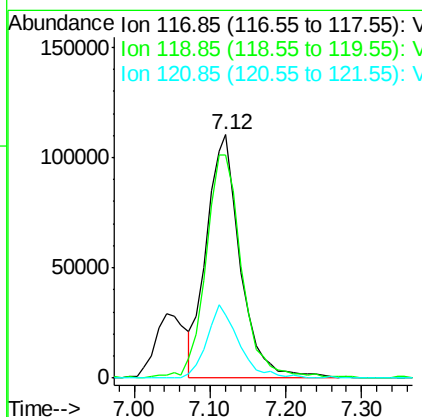
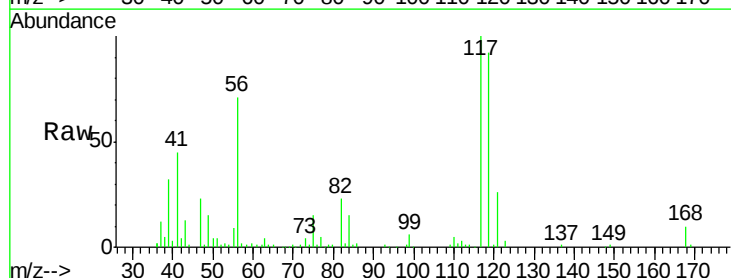
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

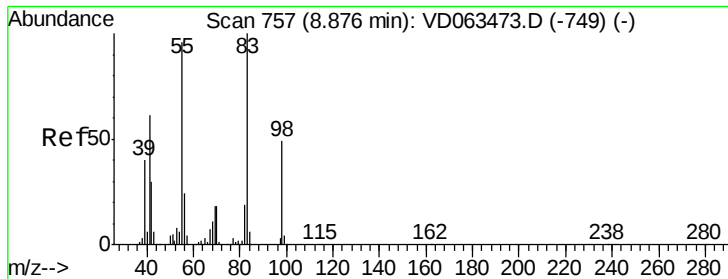
Tot Ion: 43 Resp: 103454
Ion Ratio Lower Upper
43 100
61 12.3 9.0 13.6
70 7.9 6.9 10.3



#38
Carbon Tetrachloride
Concen: 21.245 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 117 Resp: 340942
Ion Ratio Lower Upper
117 100
119 91.6 74.2 111.2
121 26.0 23.1 34.7





#39

Methvlcvclohexane

Concen: 19.072 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

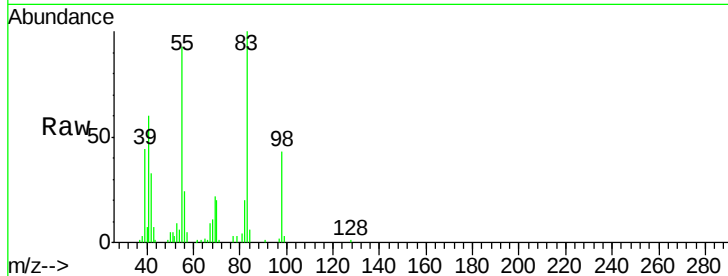
Tot Ion: 83 Resp: 172688

Ion Ratio Lower Upper

83 100

55 93.4 76.6 114.8

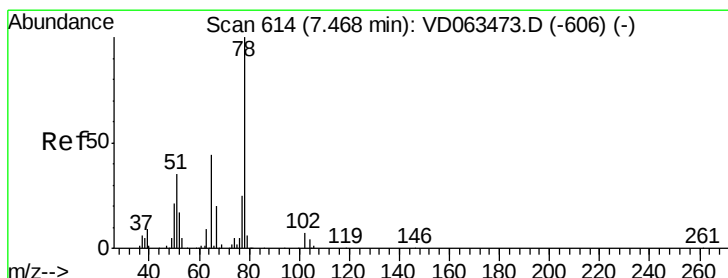
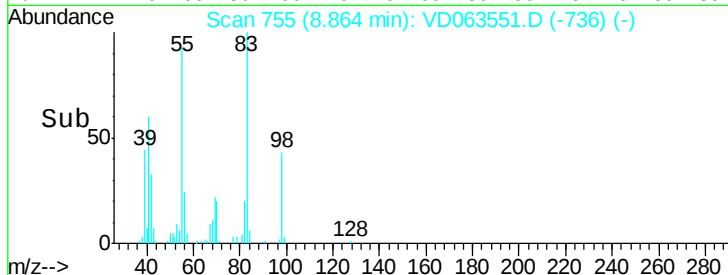
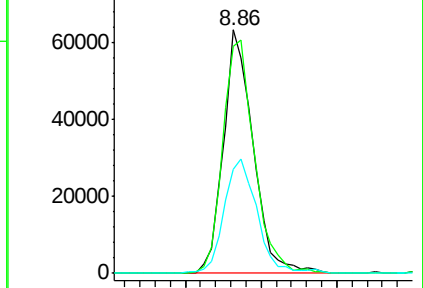
98 42.6 39.4 59.0



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: 21.209 ug/l

RT: 7.46 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063551.D

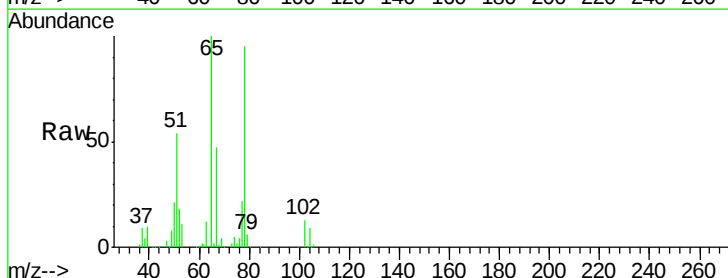
Acq: 14 Aug 2019 3:29

Tgt Ion: 78 Resp: 497007

Ion Ratio Lower Upper

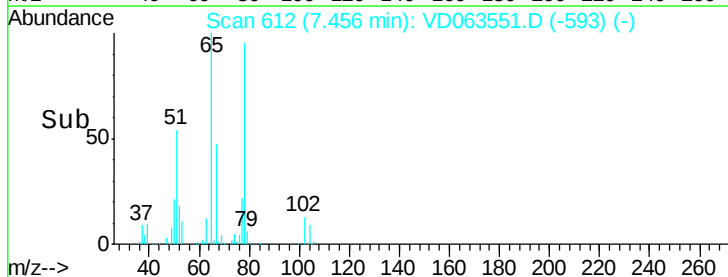
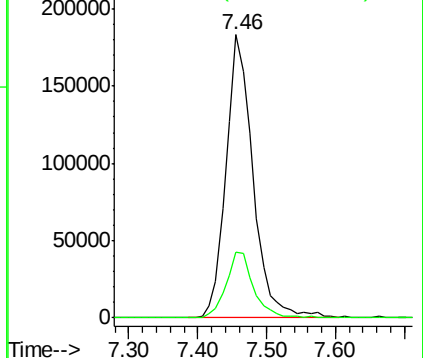
78 100

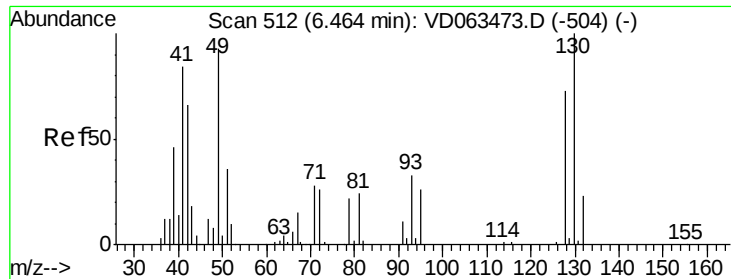
77 23.3 20.1 30.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

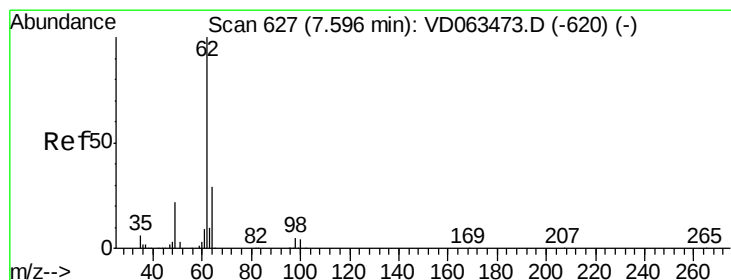
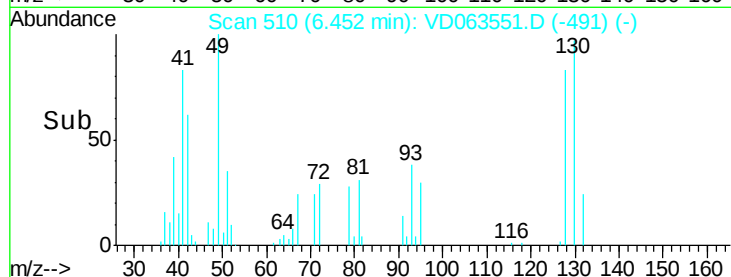
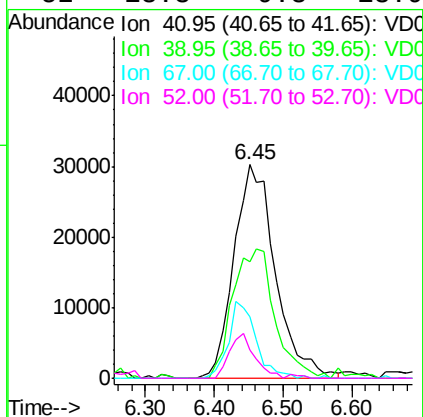
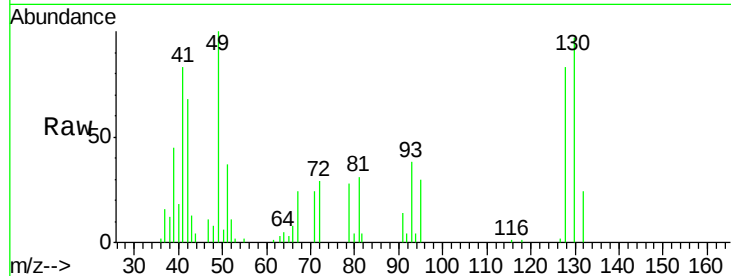




#41
Methacrylonitrile
Concen: 22.435 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

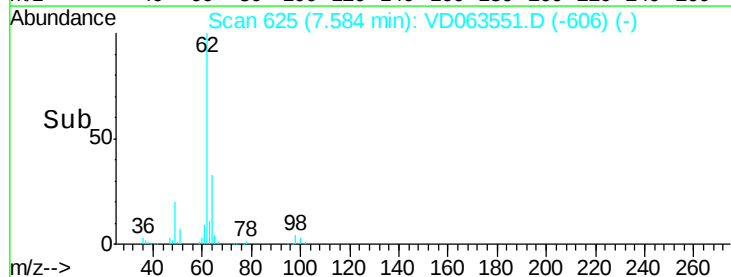
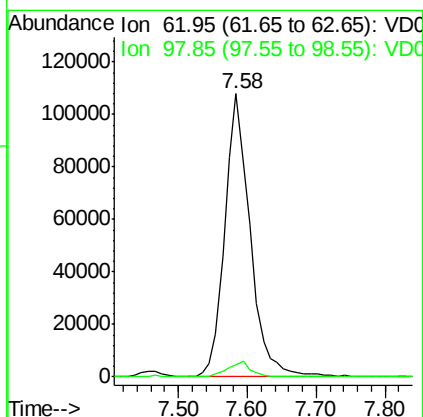
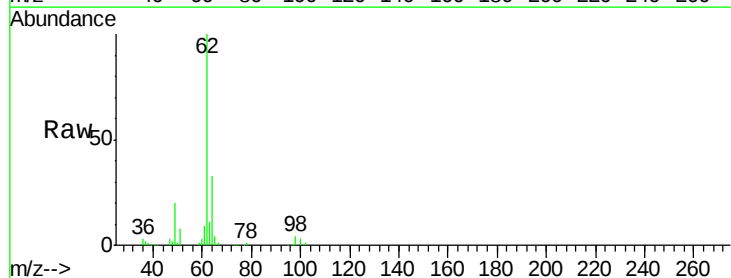
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

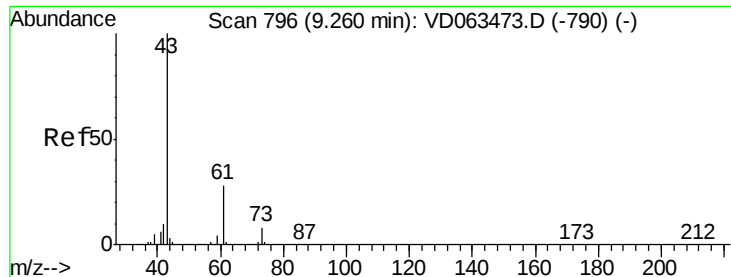
Tot Ion:	41	Resp:	126044
Ion	Ratio	Lower	Upper
41	100		
39	54.7	44.6	66.8
67	28.6	14.4	21.6#
52	13.3	9.3	13.9



#42
1,2-Dichloroethane
Concen: 23.363 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion:	62	Resp:	275279
Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	10.4





#43

Isopropyl Acetate

Concen: 22.276 ug/l

RT: 9.25 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

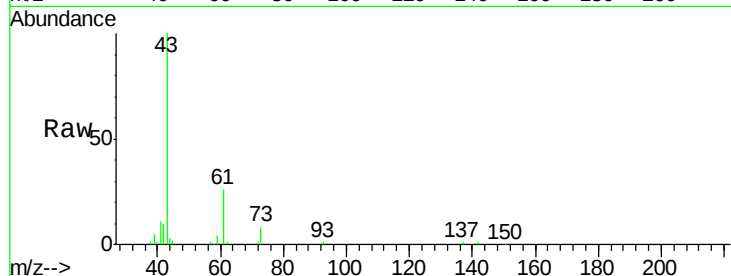
Tot Ion: 43 Resp: 133121

Ion Ratio Lower Upper

43 100

61 25.8 22.2 33.2

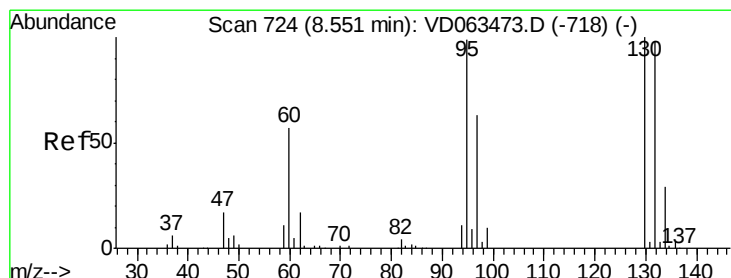
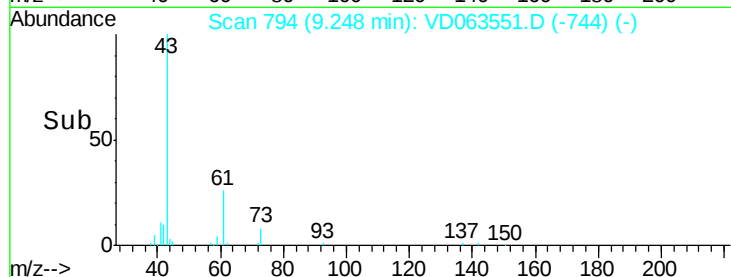
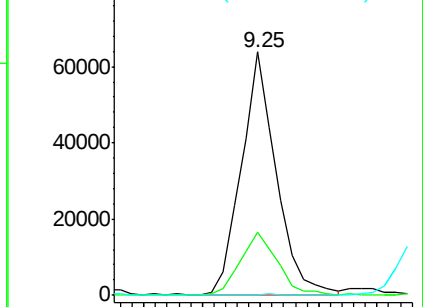
87 0.0 0.2 0.4#



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: 23.077 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD063551.D

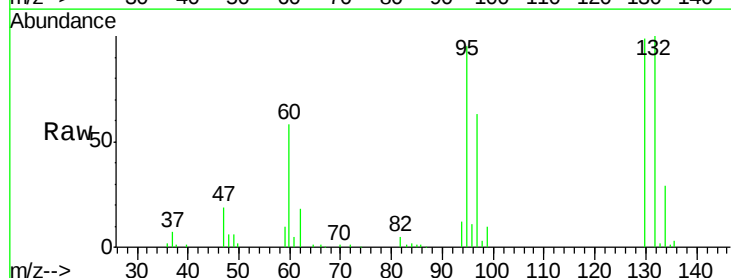
Acq: 14 Aug 2019 3:29

Tgt Ion:130 Resp: 206699

Ion Ratio Lower Upper

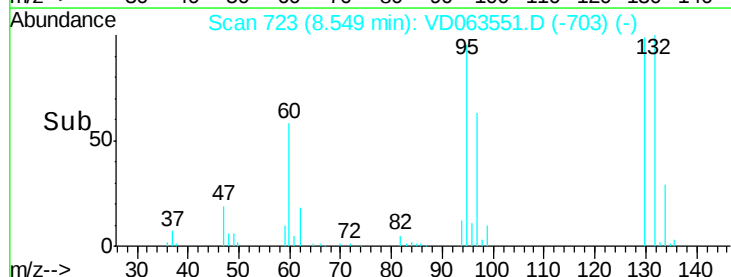
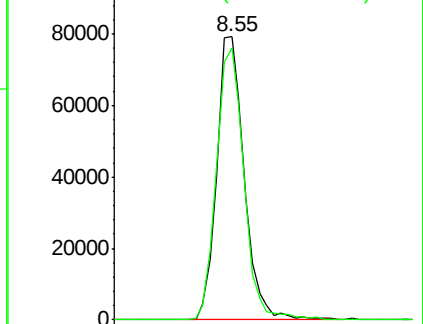
130 100

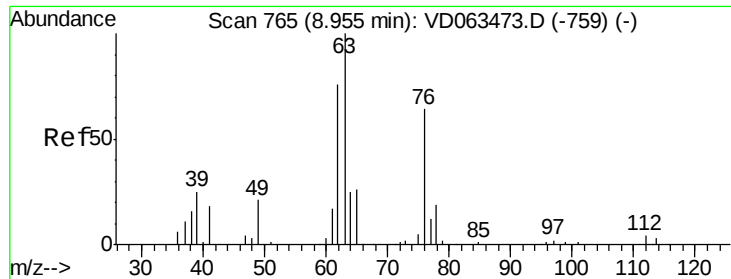
95 96.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 24.971 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

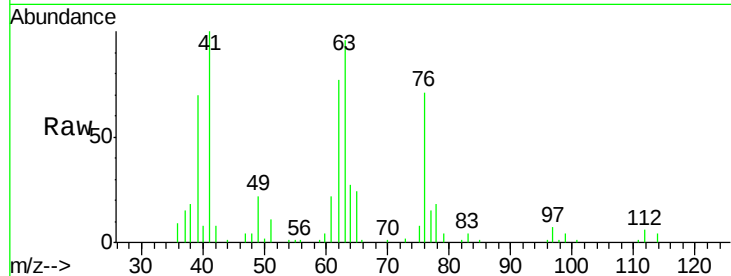
VD0813SBS02

Tot Ion: 63 Resp: 136267

Ion Ratio Lower Upper

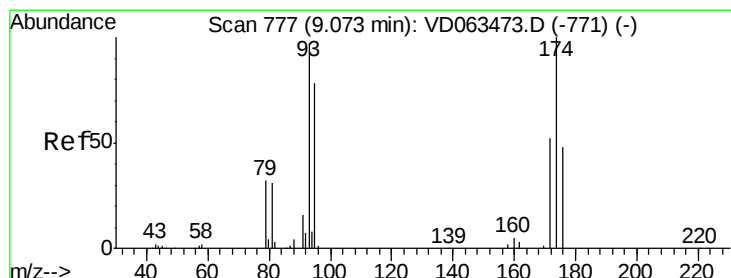
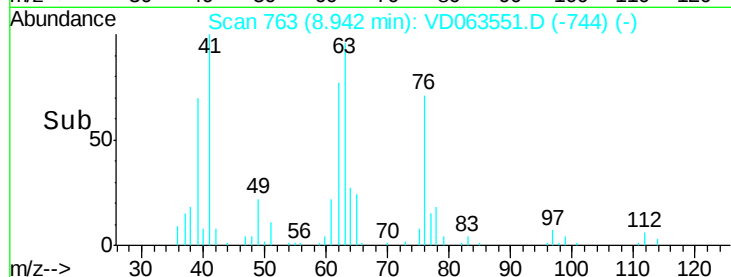
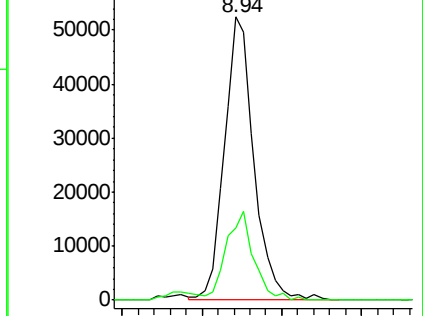
63 100

65 25.4 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 24.769 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

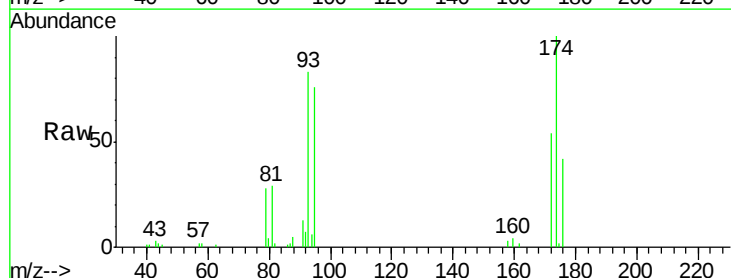
Tgt Ion: 93 Resp: 115431

Ion Ratio Lower Upper

93 100

95 92.0 64.2 96.2

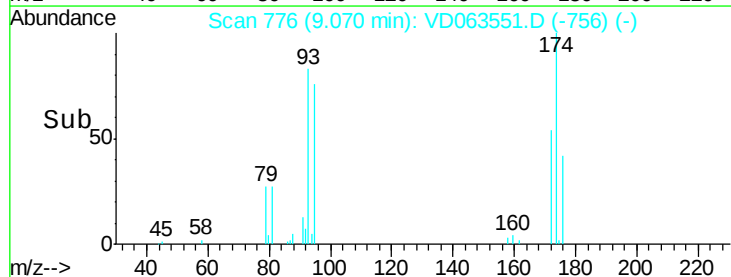
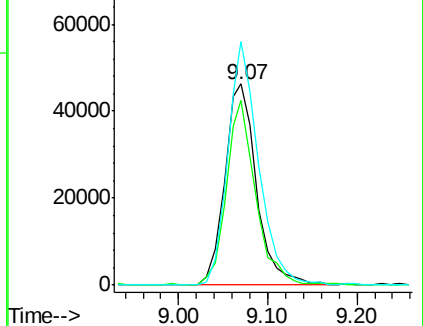
174 121.0 82.1 123.1

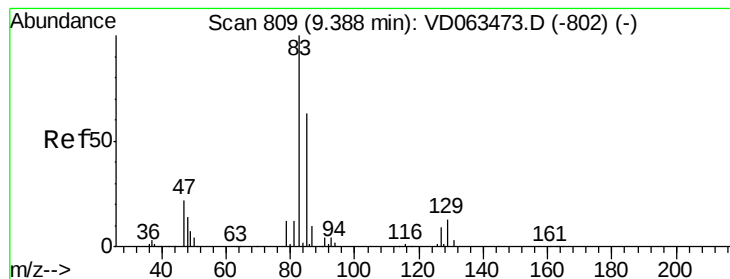


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 26.018 ug/l

RT: 9.39 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

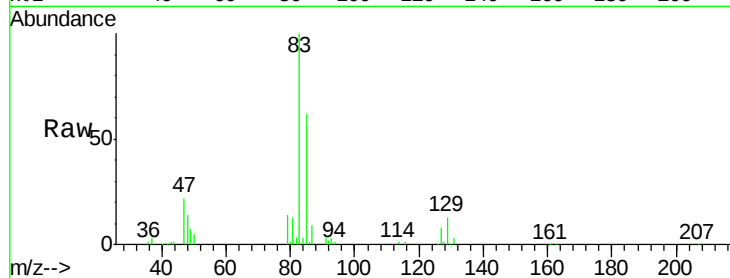
Tot Ion: 83 Resp: 311022

Ion Ratio Lower Upper

83 100

85 61.8 50.1 75.1

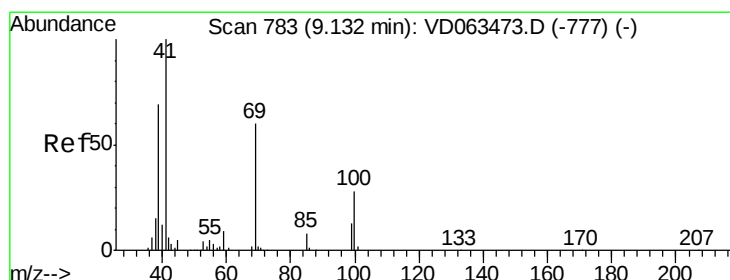
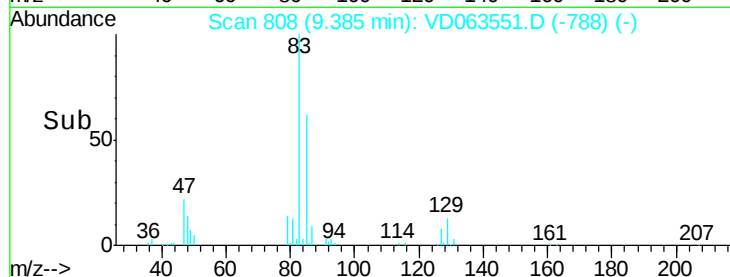
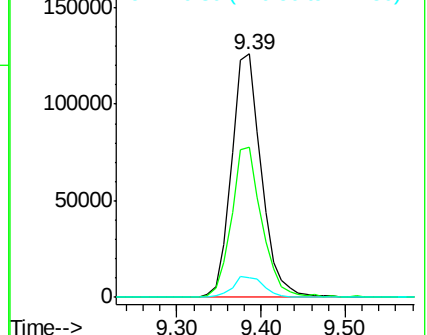
127 8.1 7.6 11.4



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: 22.796 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

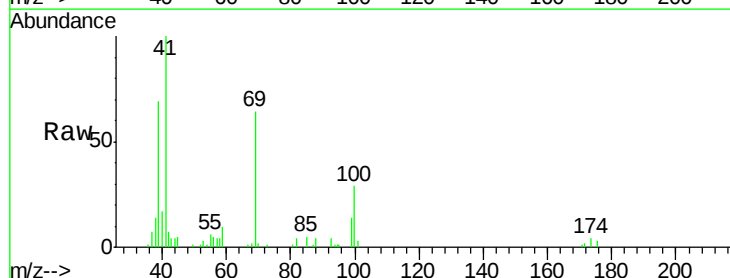
Tgt Ion: 41 Resp: 92387

Ion Ratio Lower Upper

41 100

69 63.9 47.6 71.4

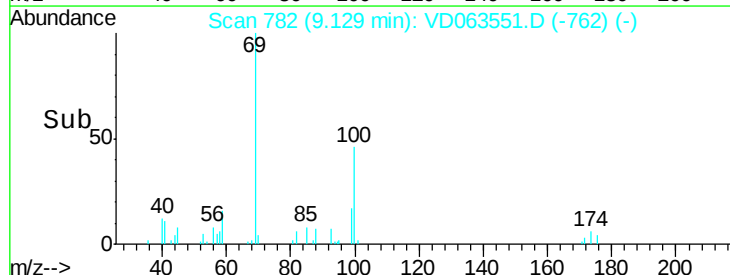
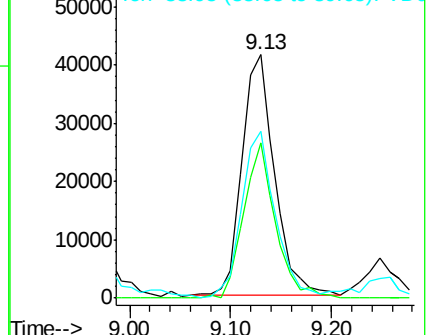
39 68.7 55.7 83.5

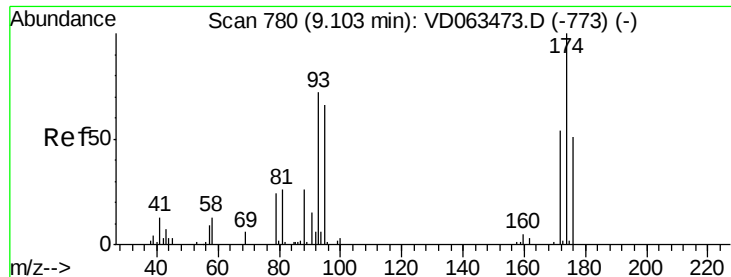


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

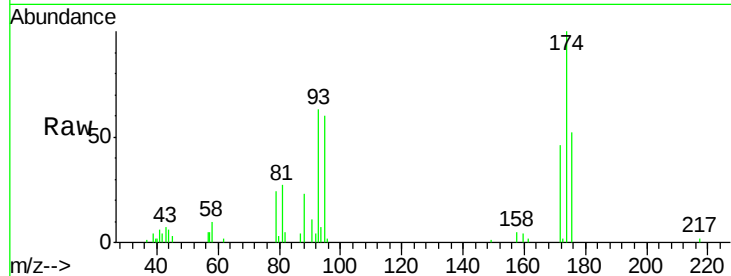




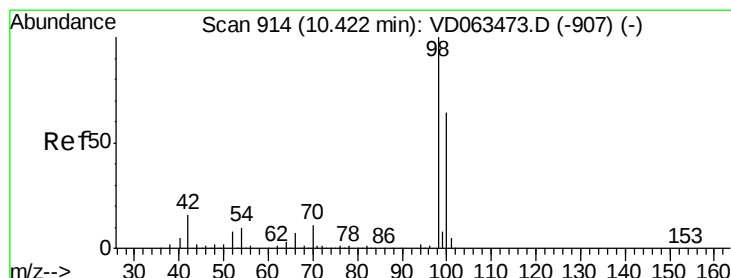
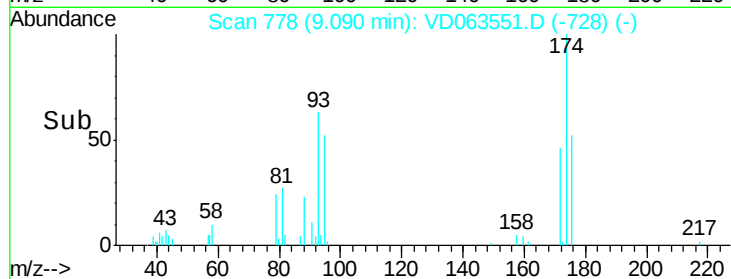
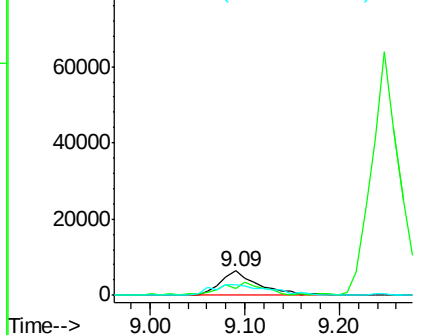
#49
1,4-Dioxane
Concen: 501.063 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

Tot Ion: 88 Resp: 17676
Ion Ratio Lower Upper
88 100
43 30.6 22.9 34.3
58 44.7 40.1 60.1

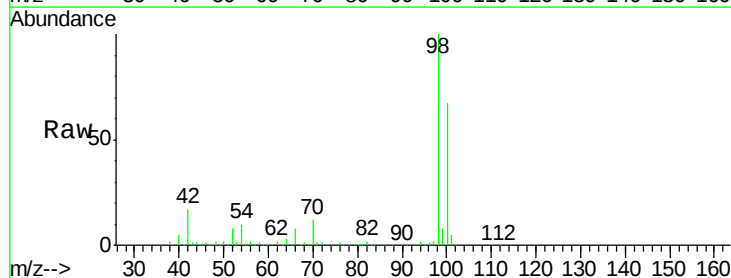


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

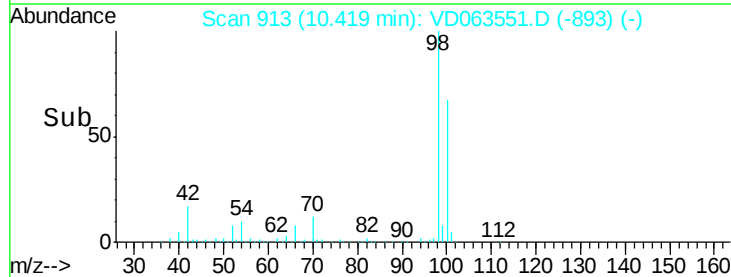
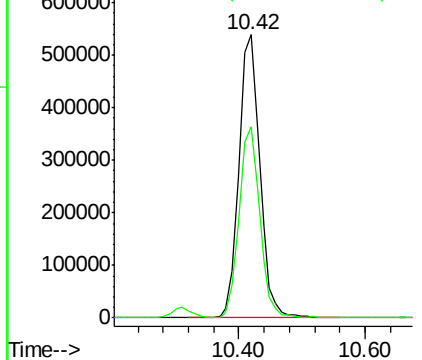


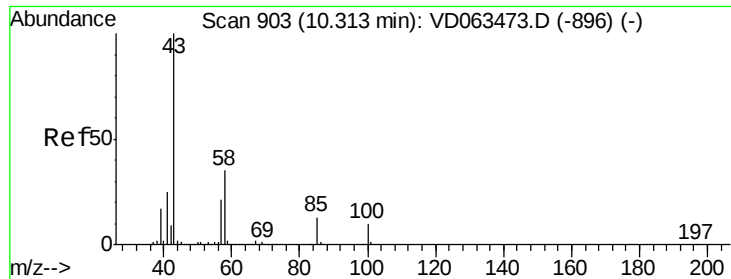
#50
Toluene-d8
Concen: 55.005 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 98 Resp: 1226814
Ion Ratio Lower Upper
98 100
100 67.5 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: 116.403 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

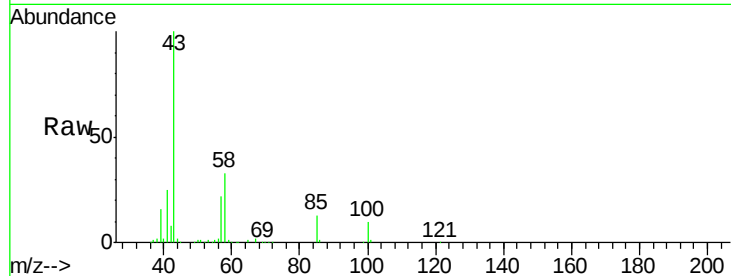
VD0813SBS02

Tot Ion: 43 Resp: 476001

Ion Ratio Lower Upper

43 100

58 33.4 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

200000

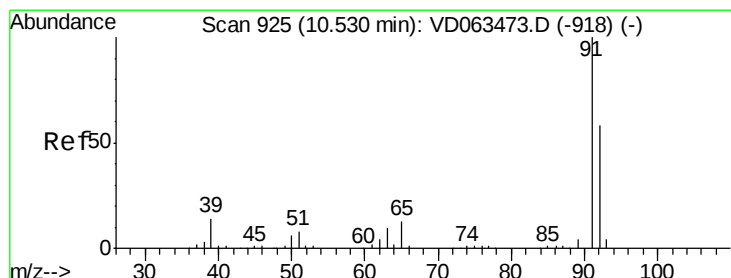
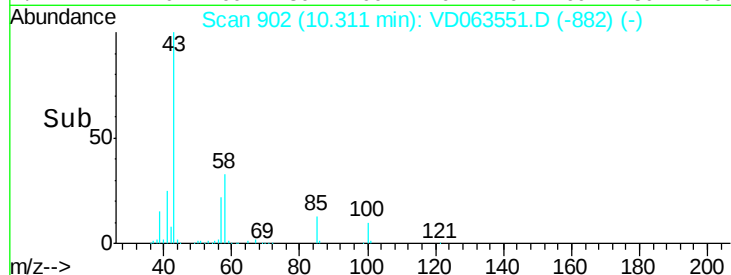
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.700 ug/l

RT: 10.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD063551.D

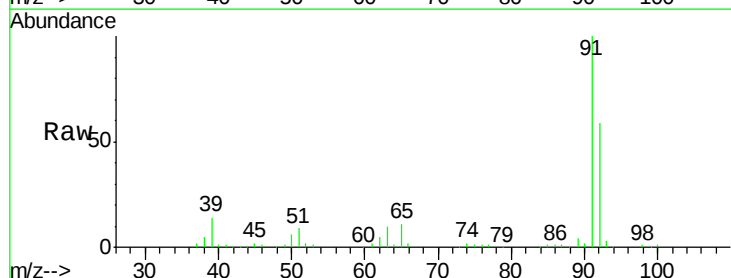
Acq: 14 Aug 2019 3:29

Tgt Ion: 92 Resp: 342623

Ion Ratio Lower Upper

92 100

91 170.0 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

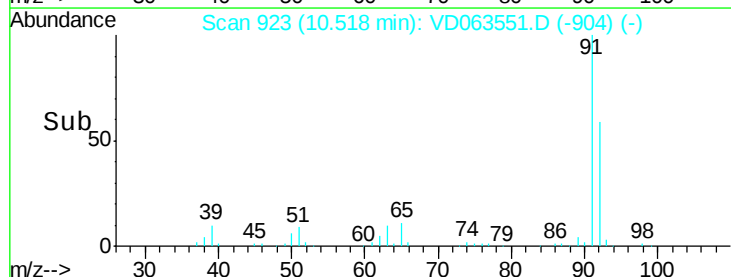
150000

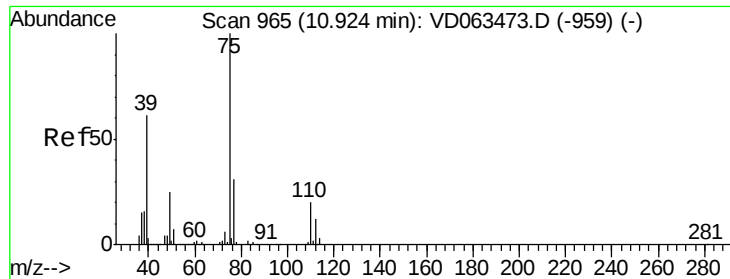
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 24.581 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

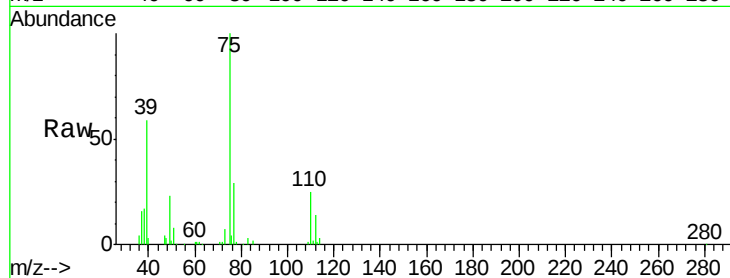
VD0813SBS02

Tot Ion: 75 Resp: 239802

Ion Ratio Lower Upper

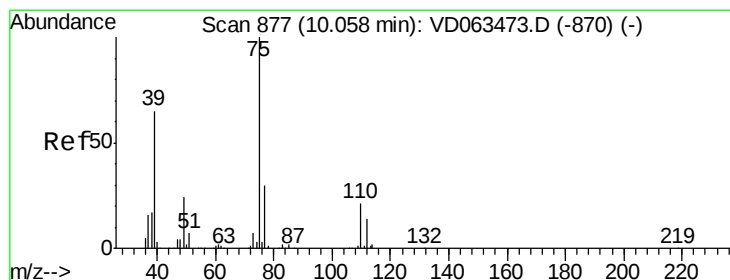
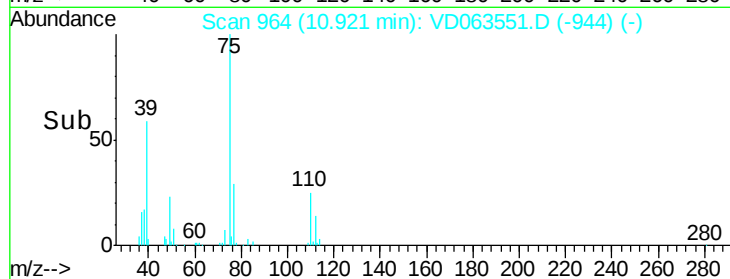
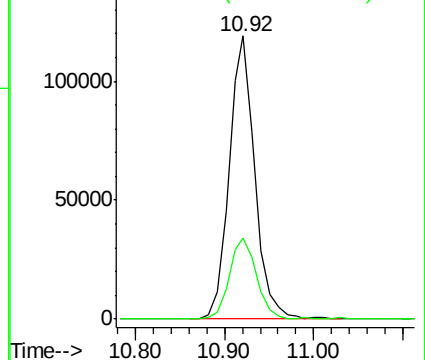
75 100

77 28.6 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 23.345 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

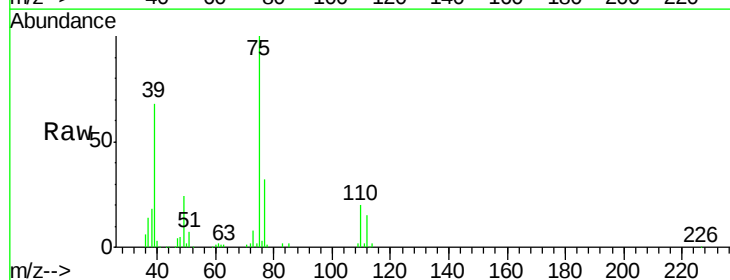
Tgt Ion: 75 Resp: 256796

Ion Ratio Lower Upper

75 100

77 32.1 23.7 35.5

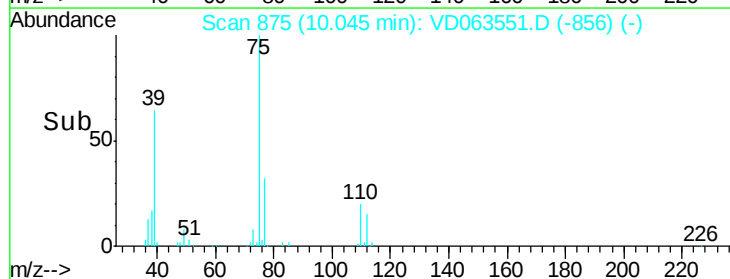
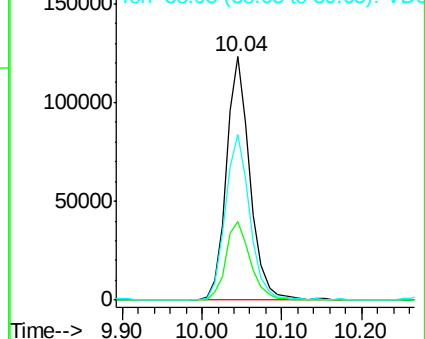
39 68.2 52.2 78.4

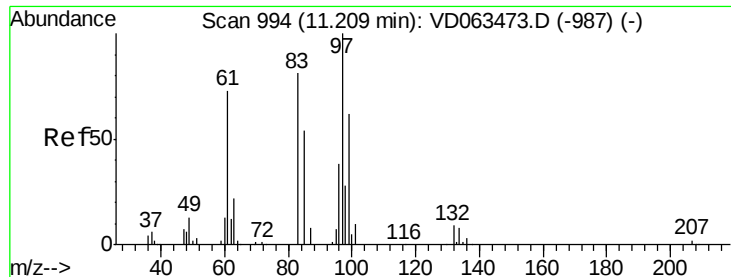


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 23.934 ug/l

RT: 11.20 min Scan# 992

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

Tot Ion: 97 Resp: 122025

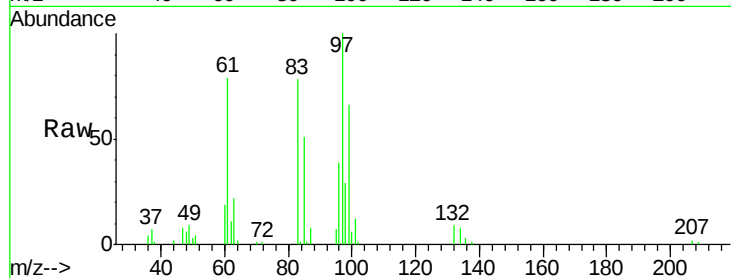
Ion Ratio Lower Upper

97 100

83 78.1 64.7 97.1

85 51.3 42.9 64.3

99 66.3 49.7 74.5

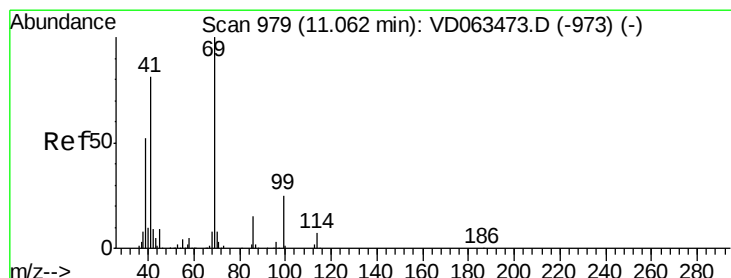
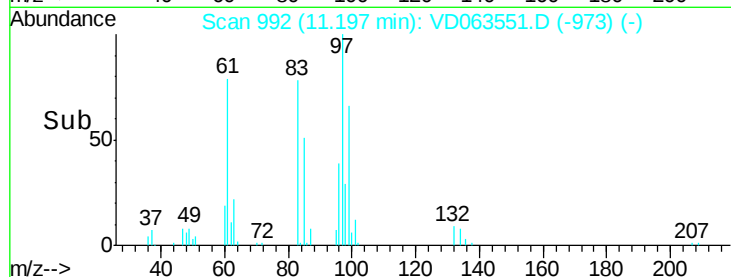
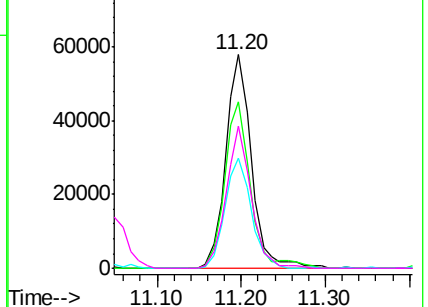


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 23.555 ug/l

RT: 11.05 min Scan# 977

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

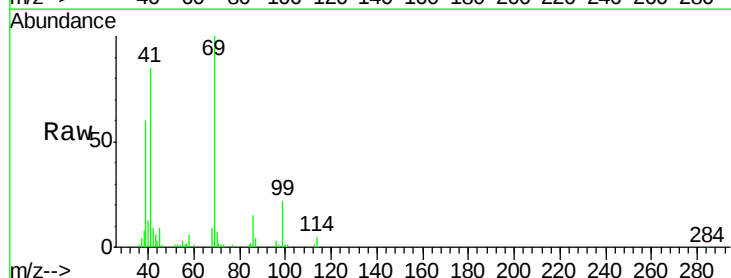
Tgt Ion: 69 Resp: 130352

Ion Ratio Lower Upper

69 100

41 84.9 64.8 97.2

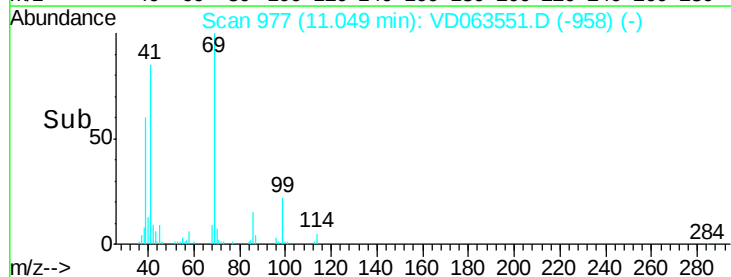
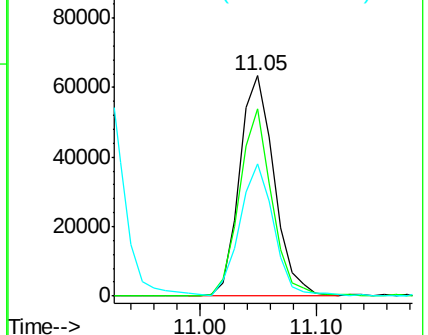
39 60.2 42.4 63.6

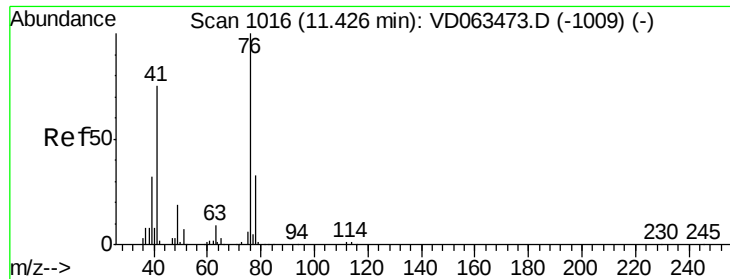


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

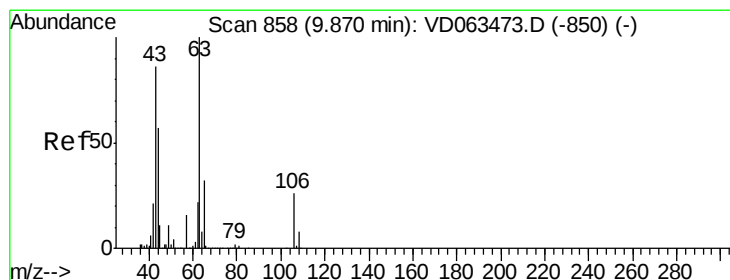
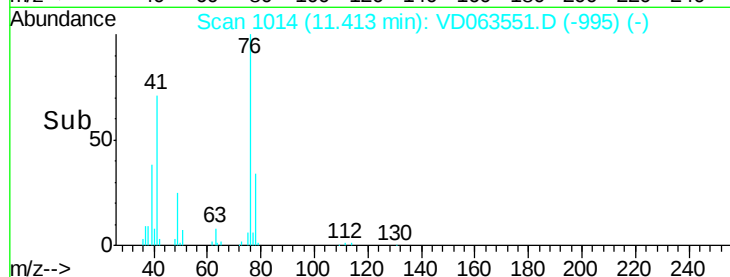
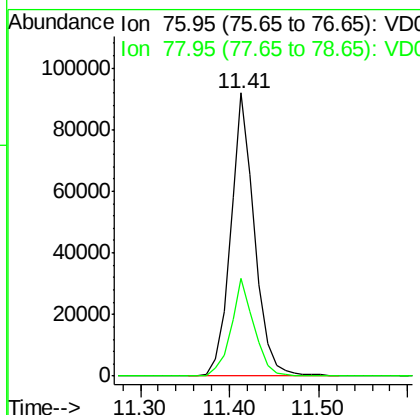
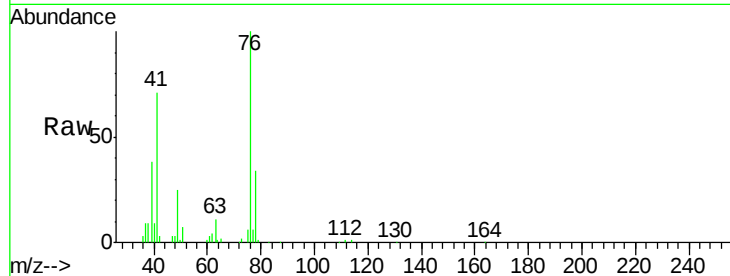




#57
 1,3-Dichloropropane
 Concen: 22.263 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

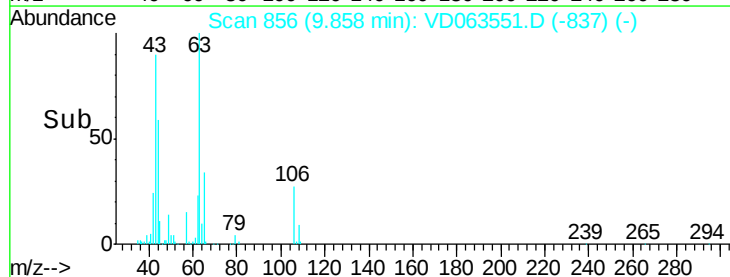
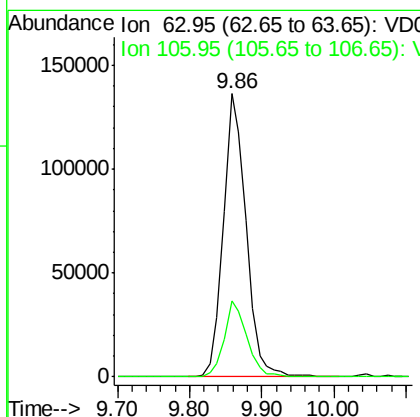
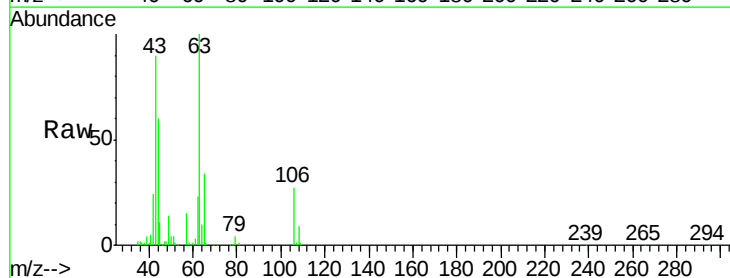
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

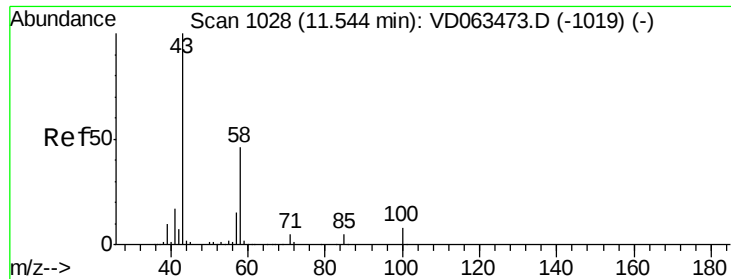
Tot Ion: 76 Resp: 171577
 Ion Ratio Lower Upper
 76 100
 78 34.4 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.841 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion: 63 Resp: 297528
 Ion Ratio Lower Upper
 63 100
 106 27.0 20.8 31.2

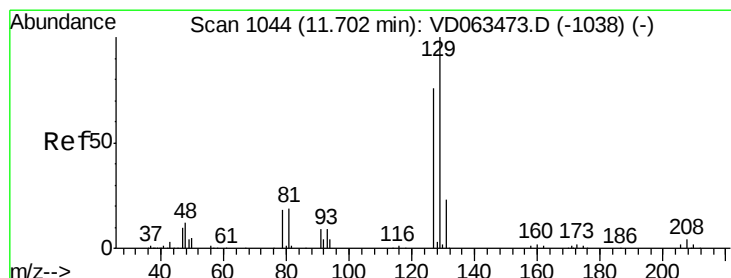
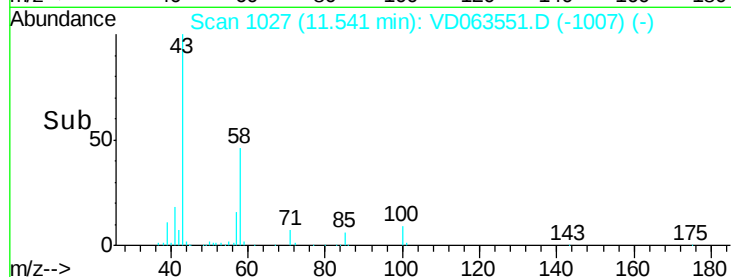
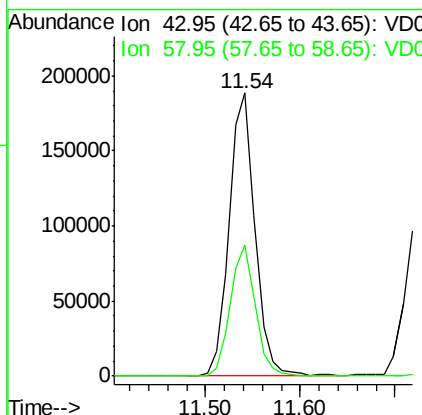
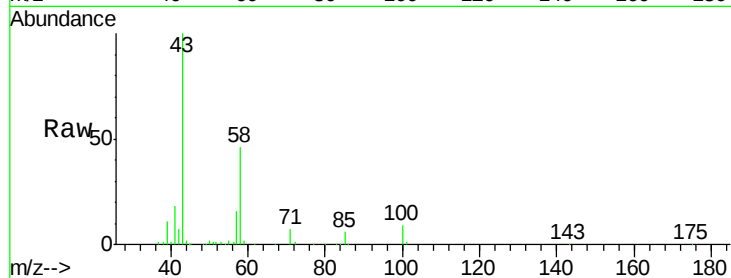




#59
2-Hexanone
Concen: 119.707 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

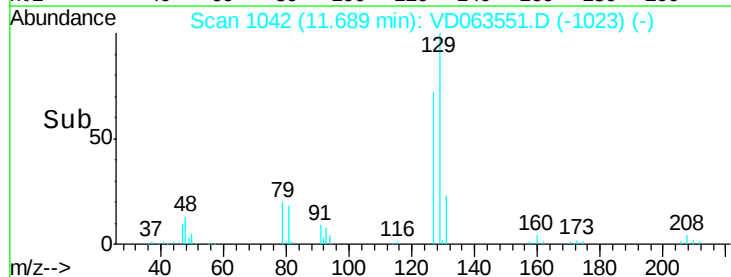
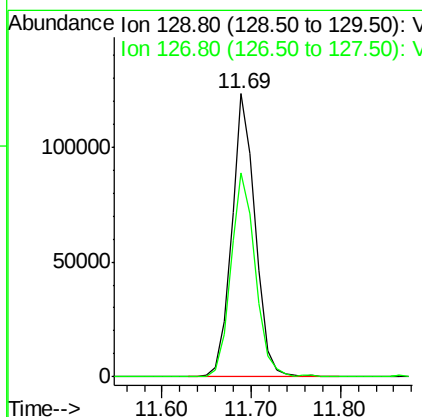
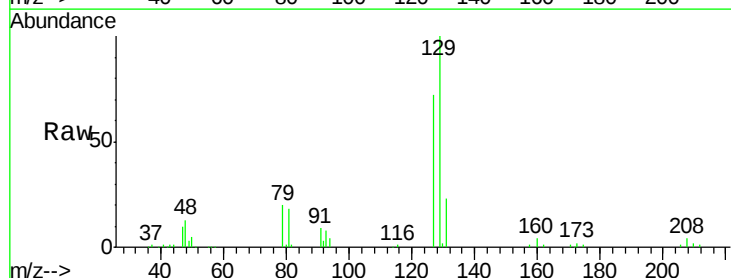
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

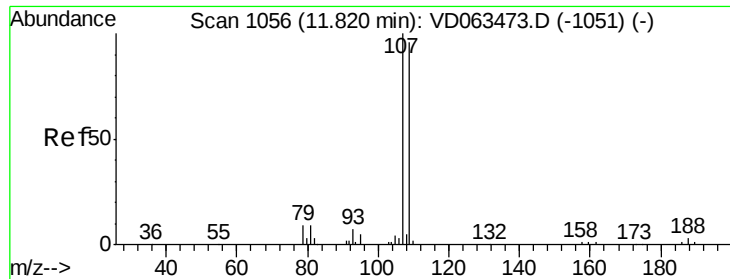
Tot Ion: 43 Resp: 356182
Ion Ratio Lower Upper
43 100
58 46.3 23.1 69.2



#60
Dibromochloromethane
Concen: 24.438 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 129 Resp: 226719
Ion Ratio Lower Upper
129 100
127 72.0 37.8 113.4

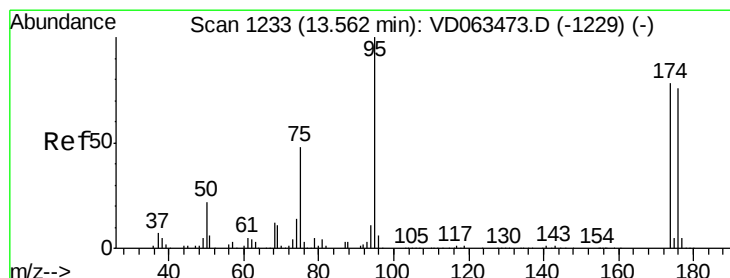
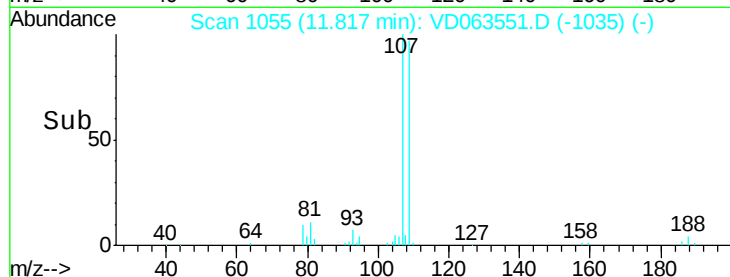
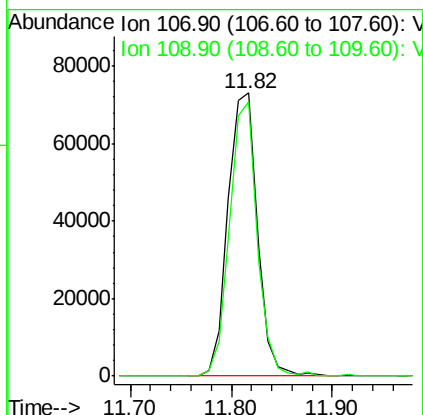
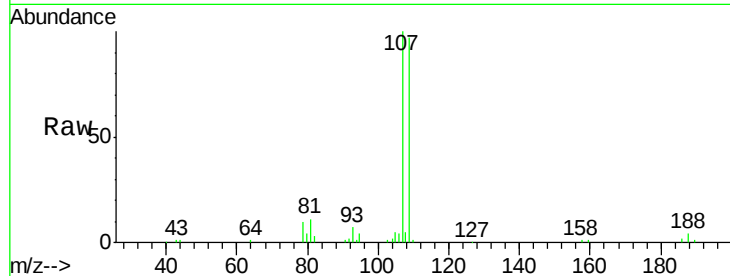




#61
 1,2-Dibromoethane
 Concen: 23.976 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

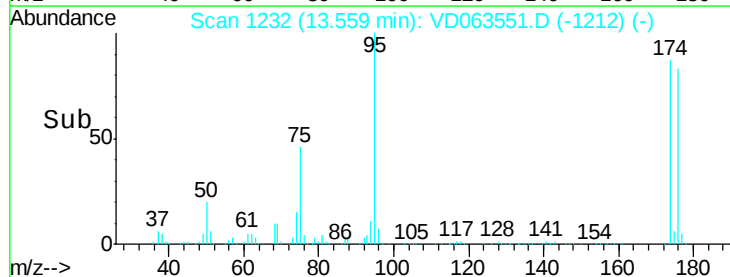
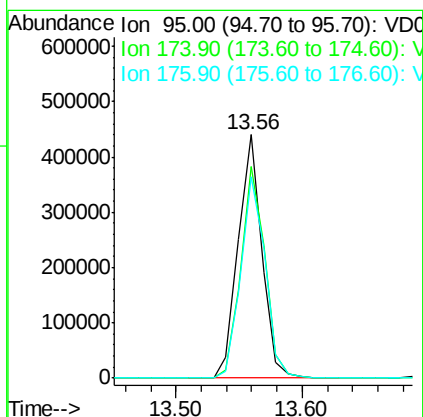
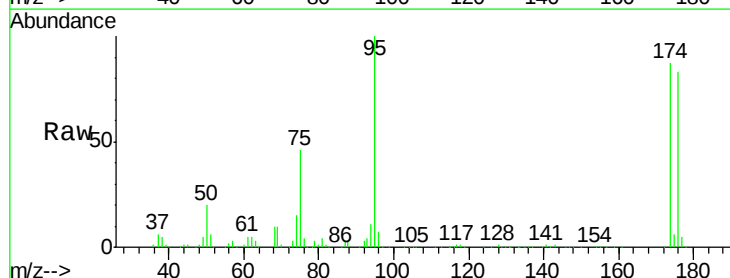
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

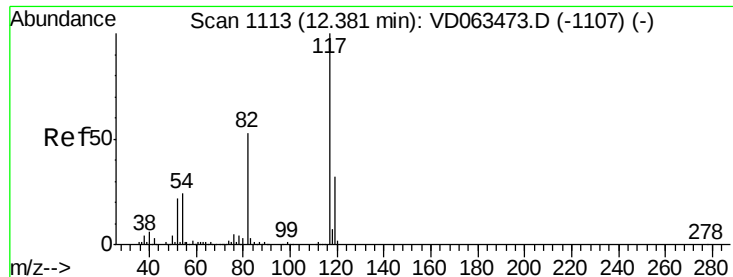
Tot Ion: 107 Resp: 147983
 Ion Ratio Lower Upper
 107 100
 109 97.1 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 56.183 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion: 95 Resp: 567950
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 155.4
 176 82.8 0.0 152.4

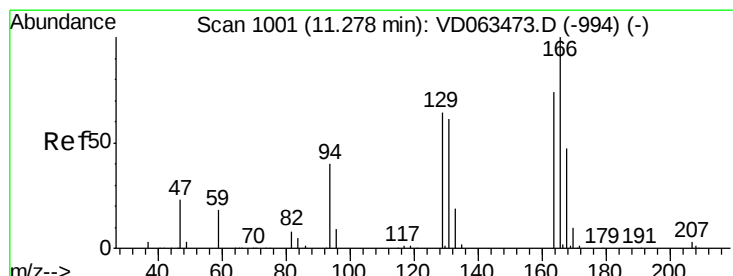
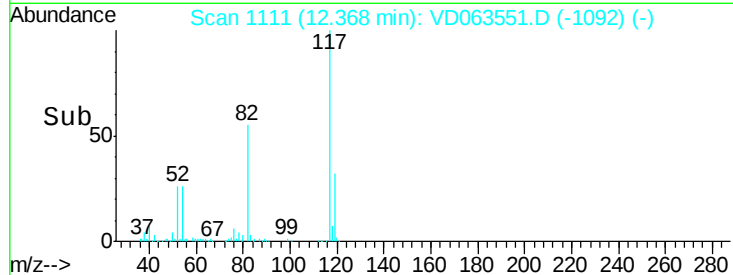
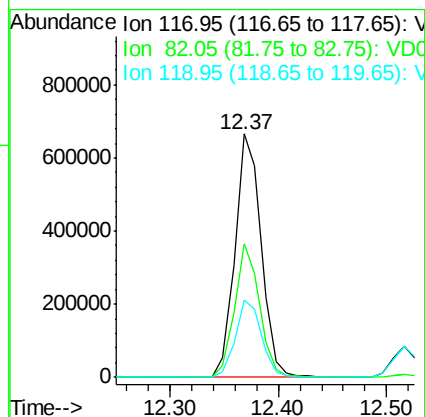
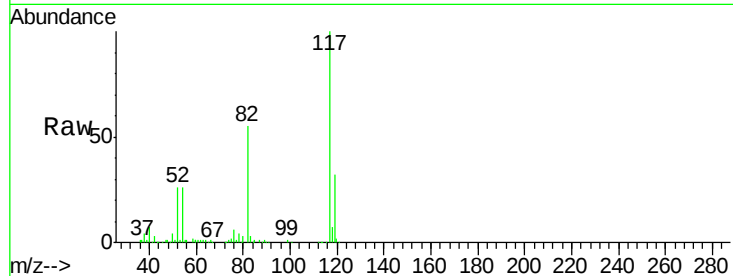




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

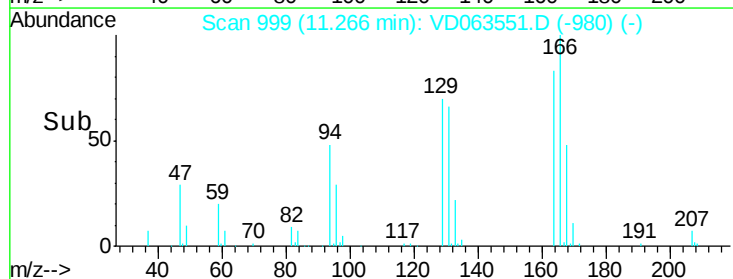
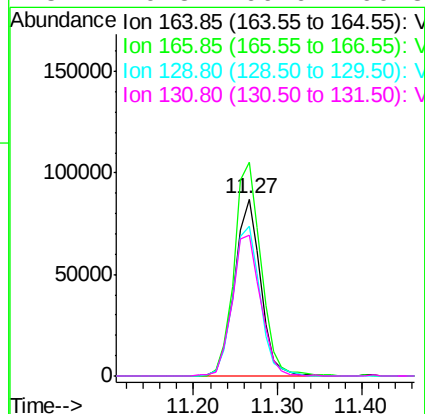
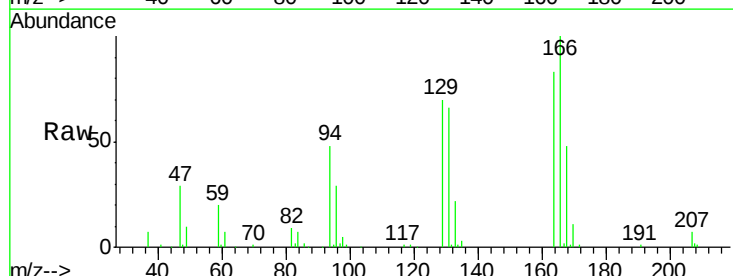
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

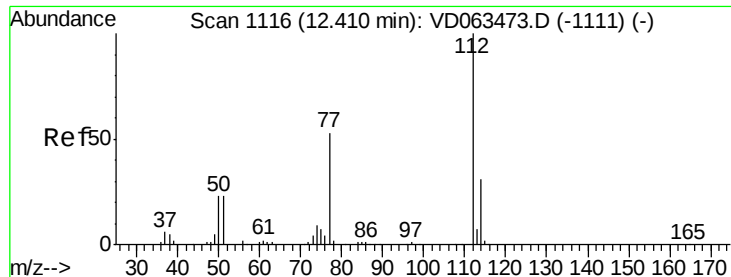
Tot Ion:117 Resp: 1119725
Ion Ratio Lower Upper
117 100
82 54.6 42.0 63.0
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 21.653 ug/l
RT: 11.27 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion:164 Resp: 187171
Ion Ratio Lower Upper
164 100
166 120.6 108.6 163.0
129 84.6 69.0 103.6
131 79.8 66.6 99.8

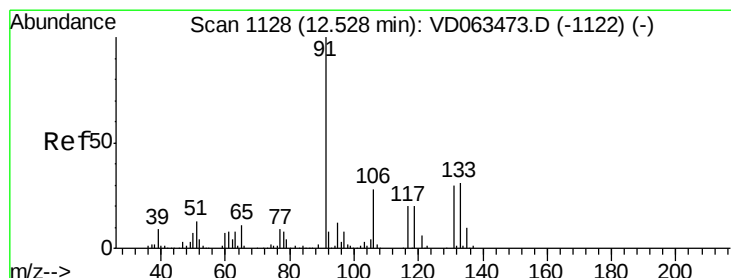
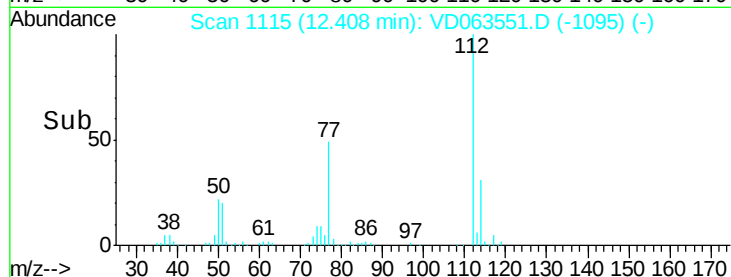
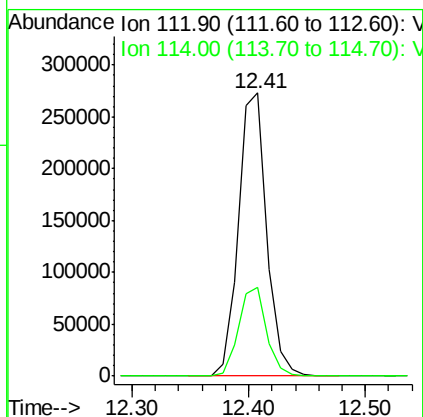
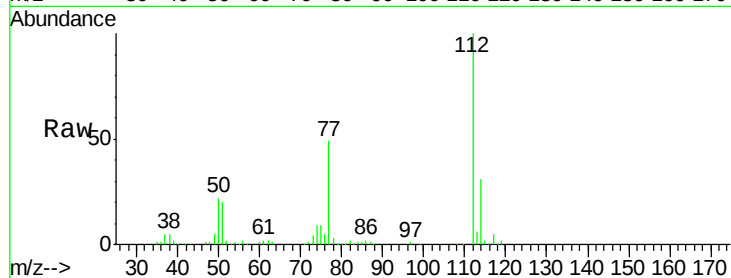




#65
Chlorobenzene
Concen: 21.795 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

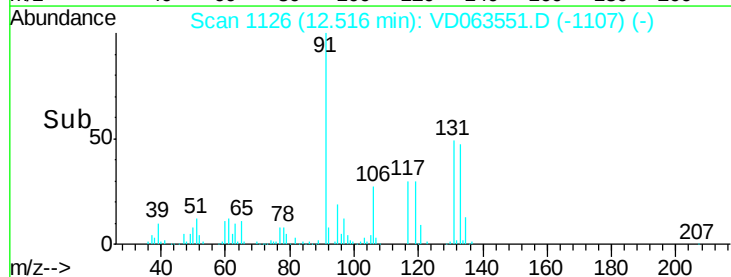
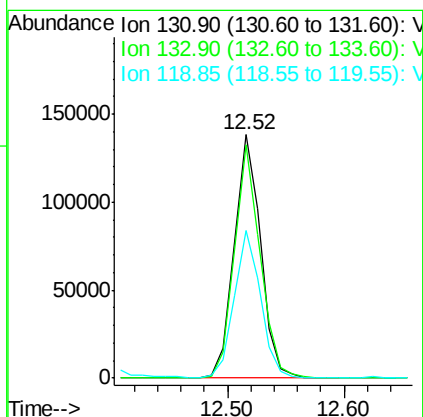
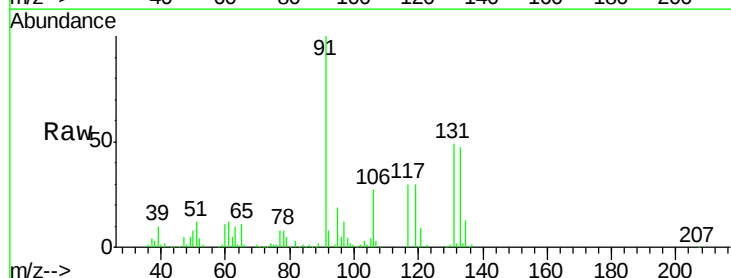
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

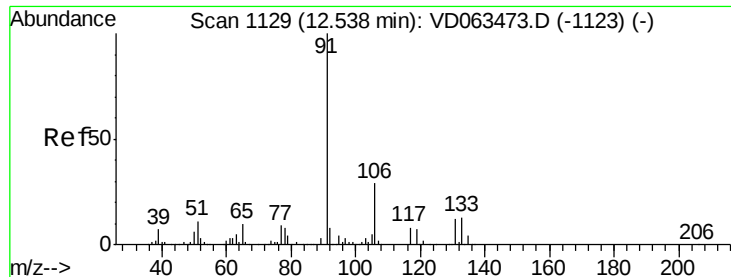
Tot Ion:112 Resp: 457400
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 23.472 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion:131 Resp: 216785
Ion Ratio Lower Upper
131 100
133 96.0 51.1 153.3
119 60.4 33.1 99.3

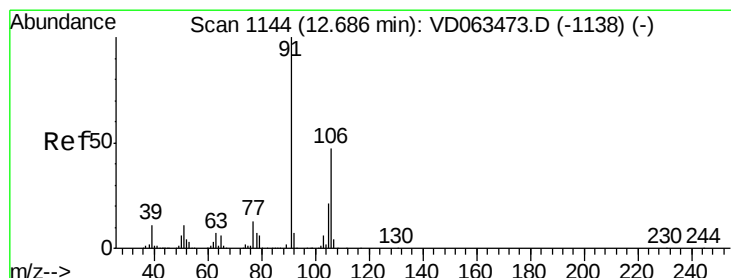
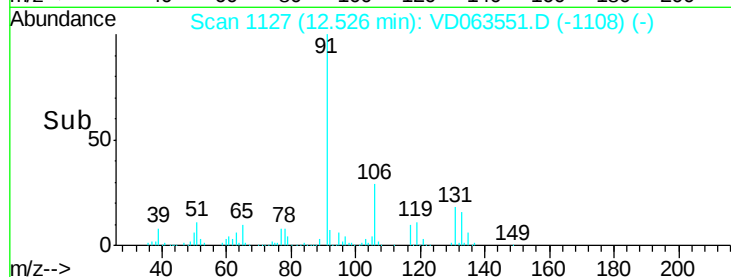
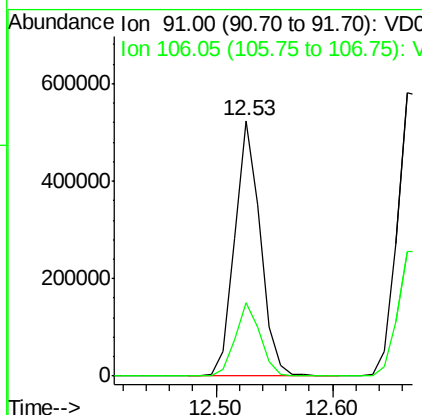
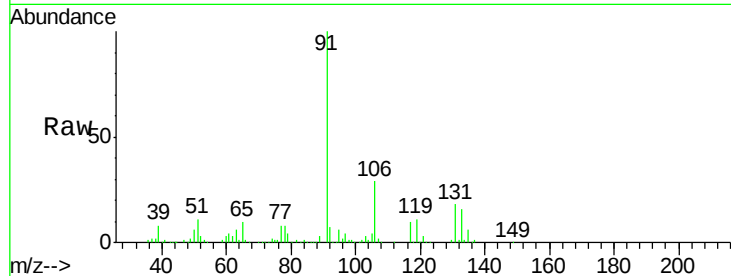




#67
Ethyl Benzene
Concen: 21.779 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

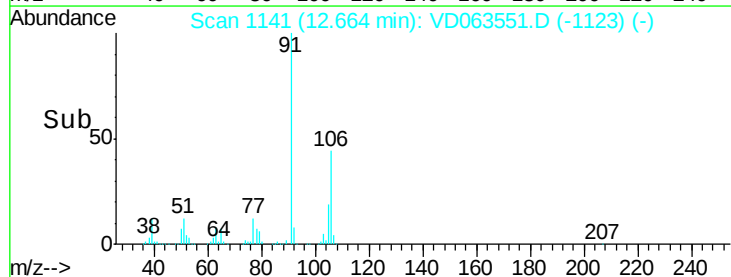
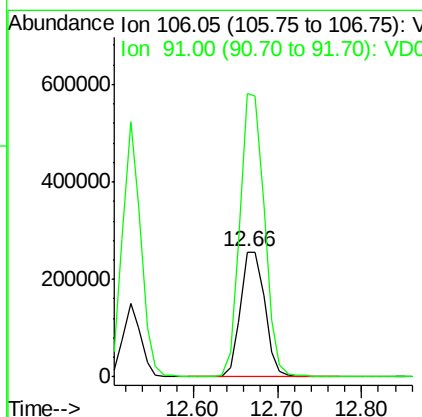
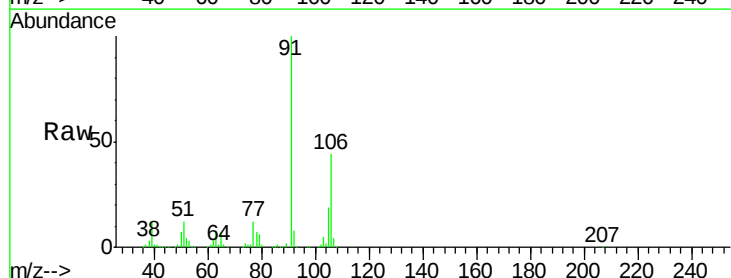
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

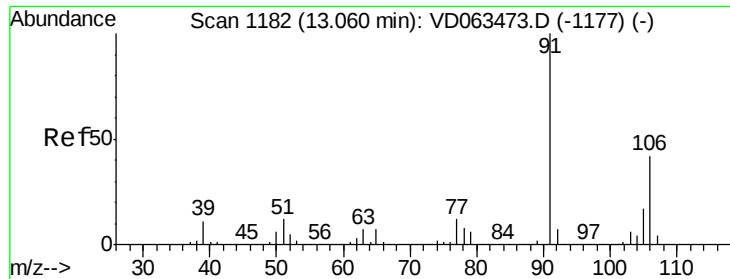
Tot Ion: 91 Resp: 794719
Ion Ratio Lower Upper
91 100
106 28.8 23.1 34.7



#68
m/p-Xylenes
Concen: 40.609 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 106 Resp: 520611
Ion Ratio Lower Upper
106 100
91 226.3 171.8 257.8

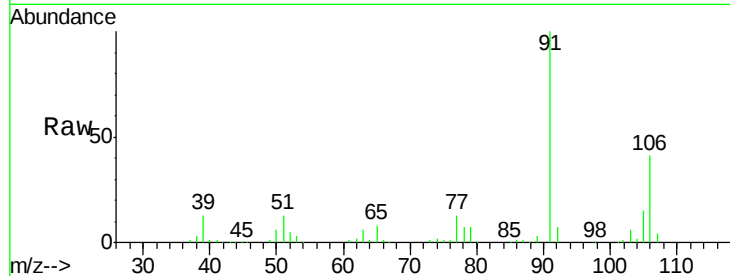




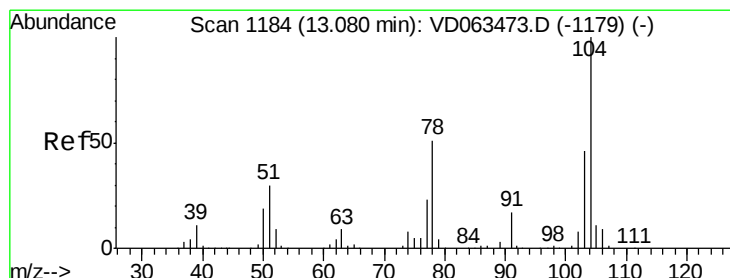
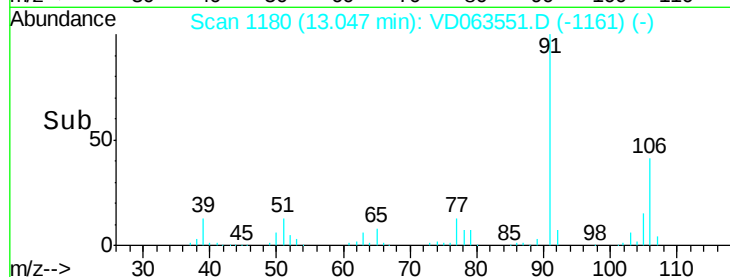
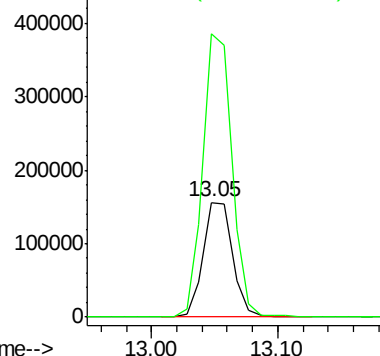
#69
o-Xylene
Concen: 20.475 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

Tot Ion:106 Resp: 252633
Ion Ratio Lower Upper
106 100
91 246.0 118.1 354.2

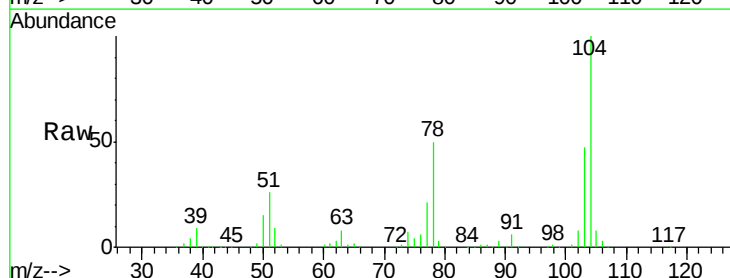


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

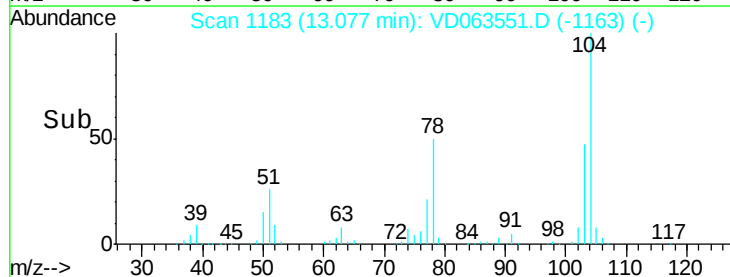
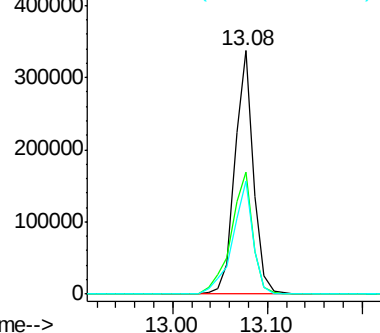


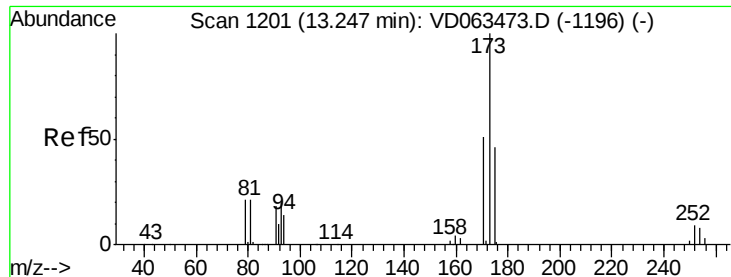
#70
Styrene
Concen: 21.048 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion:104 Resp: 461963
Ion Ratio Lower Upper
104 100
78 49.9 40.8 61.2
103 46.7 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

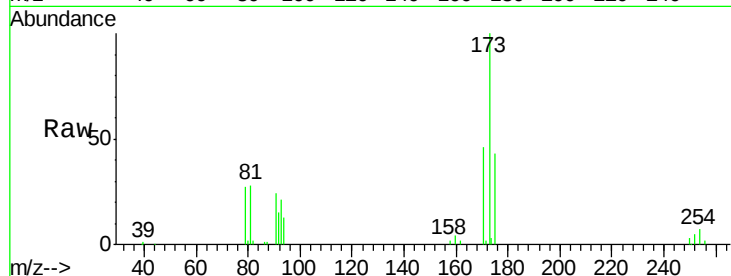




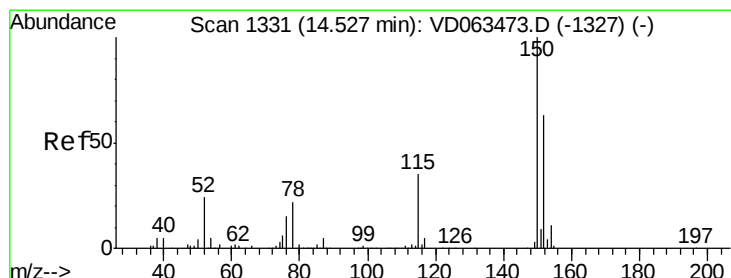
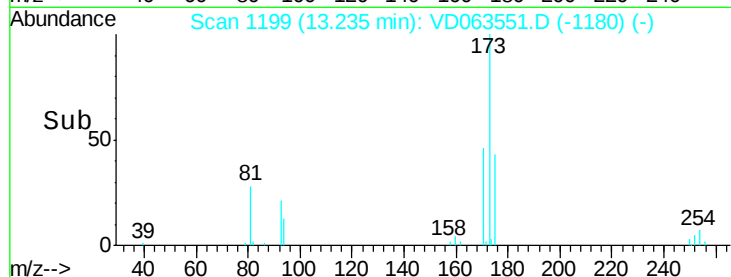
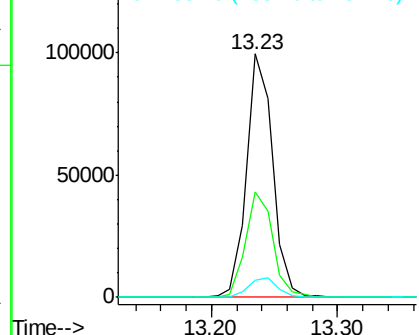
#71
Bromoform
Concen: 22.440 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

Tot Ion:173 Resp: 142113
Ion Ratio Lower Upper
173 100
175 43.1 22.8 68.3
254 7.2 6.6 9.8

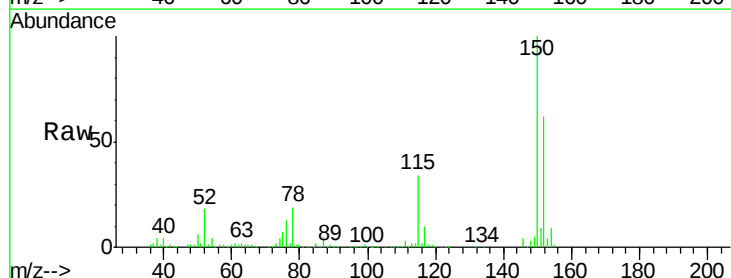


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

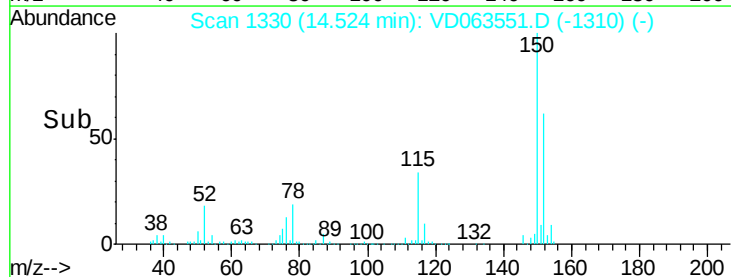
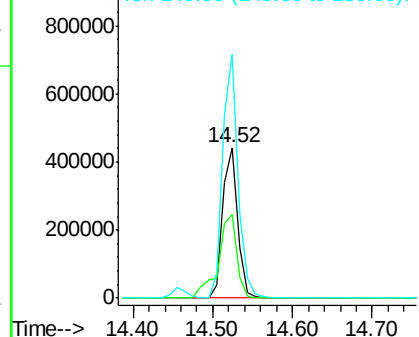


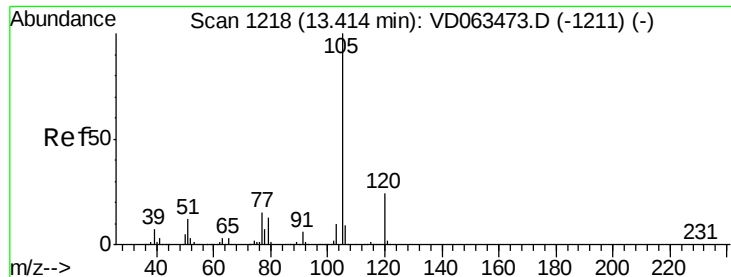
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion:152 Resp: 588048
Ion Ratio Lower Upper
152 100
115 55.2 30.9 92.7
150 161.8 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: 19.390 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

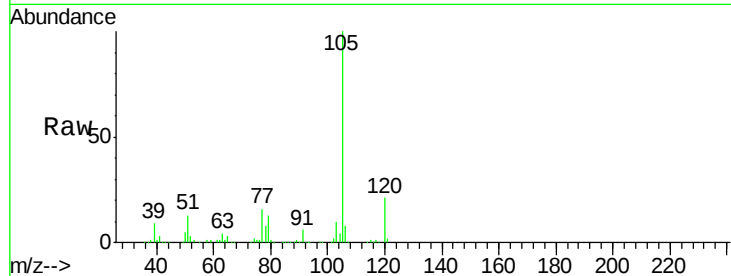
VD0813SBS02

Tot Ion:105 Resp: 725254

Ion Ratio Lower Upper

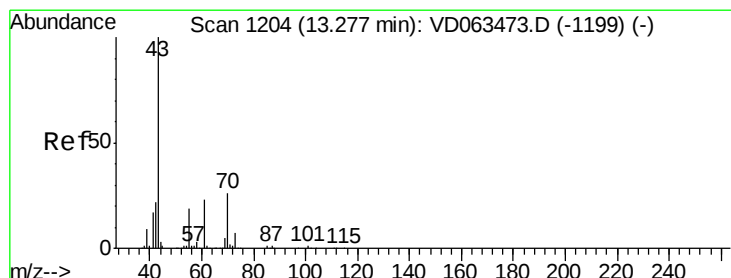
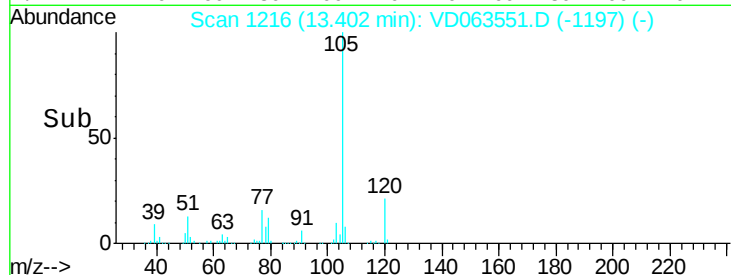
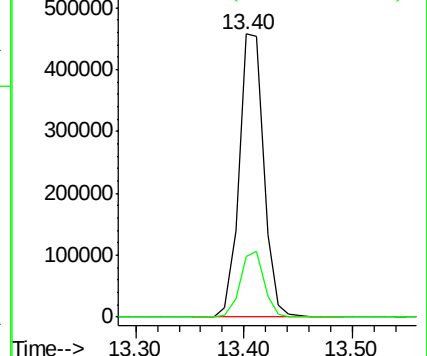
105 100

120 21.4 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.285 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Tgt Ion: 43 Resp: 190465

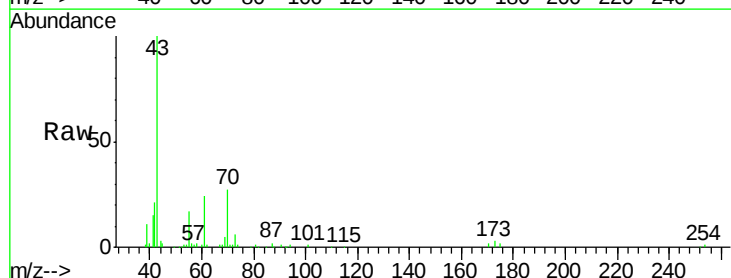
Ion Ratio Lower Upper

43 100

70 26.9 21.1 31.7

55 16.6 15.4 23.0

61 23.8 18.2 27.2

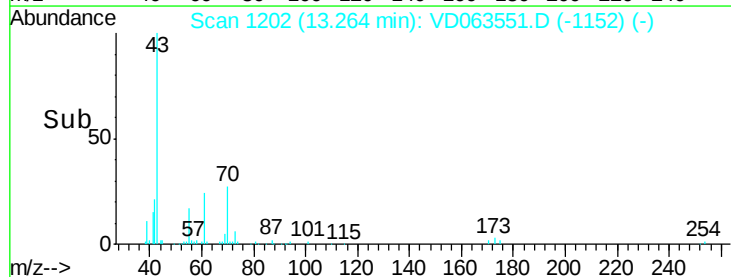
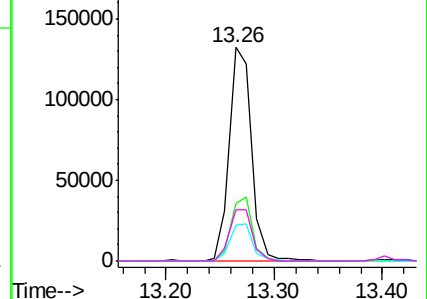


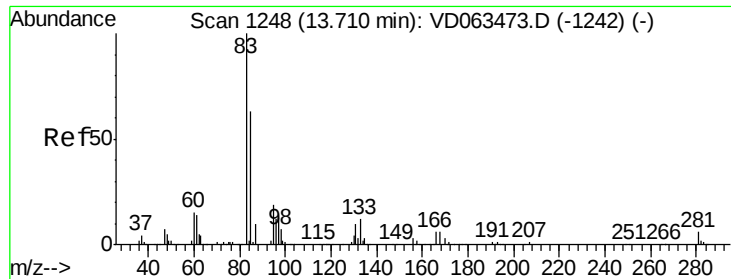
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.599 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

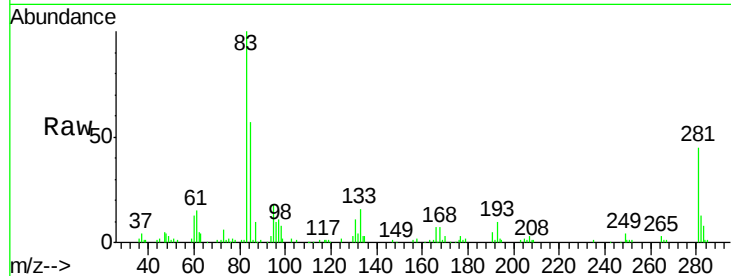
Tot Ion: 83 Resp: 140298

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.3	15.8
85	57.4	31.4	94.3

83 100

131 10.9 5.3 15.8

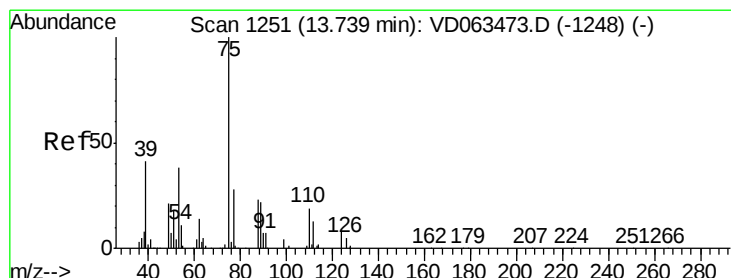
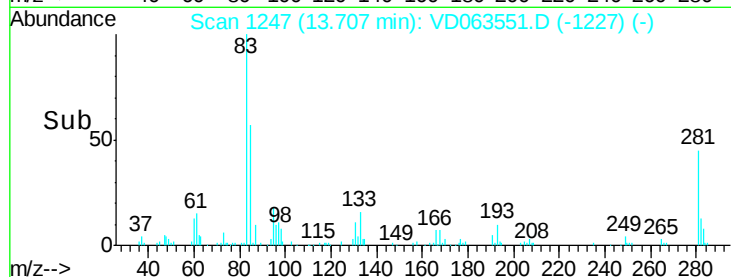
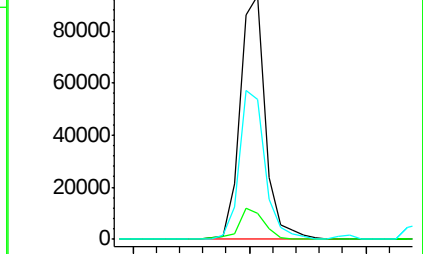
85 57.4 31.4 94.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.828 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063551.D

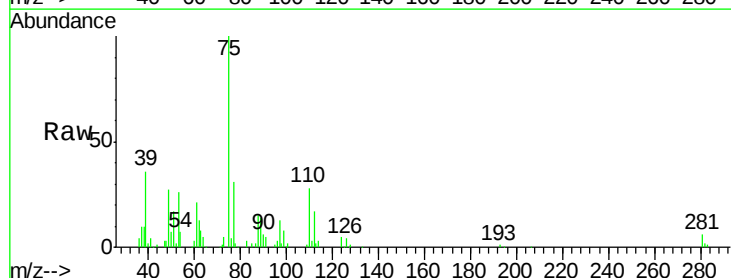
Acq: 14 Aug 2019 3:29

Tgt Ion: 75 Resp: 147317

Ion	Ratio	Lower	Upper
75	100		
77	31.2	15.1	45.3

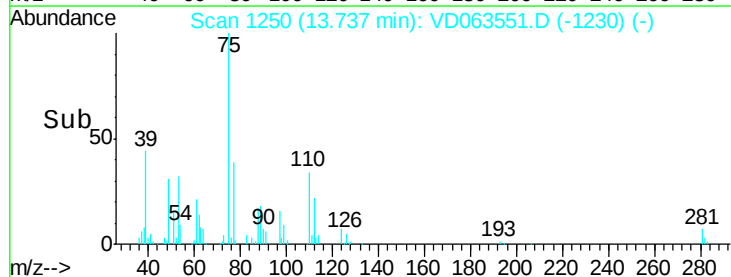
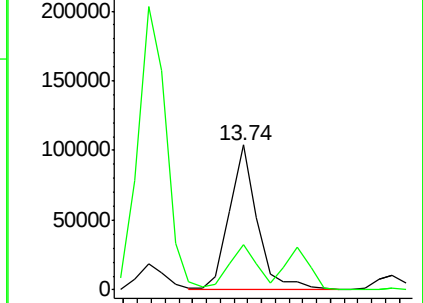
75 100

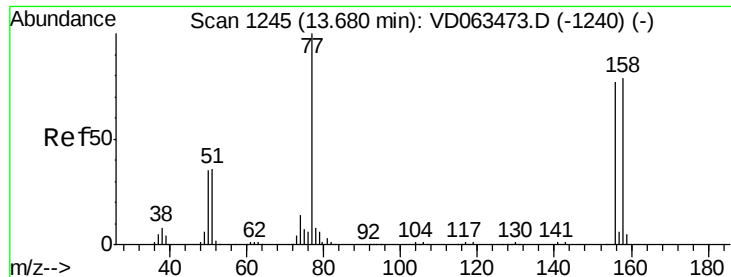
77 31.2 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.362 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

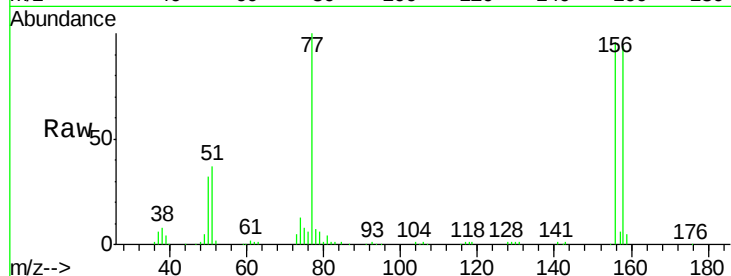
Tot Ion:156 Resp: 228598

Ion Ratio Lower Upper

156 100

77 103.9 64.6 193.8

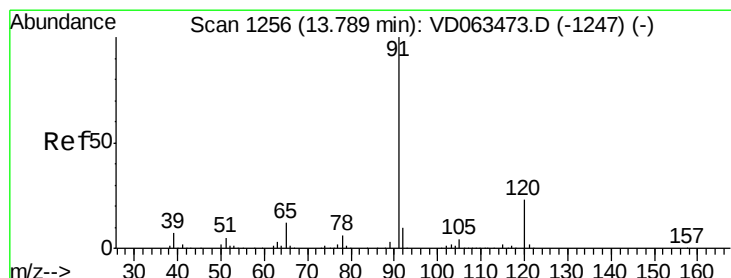
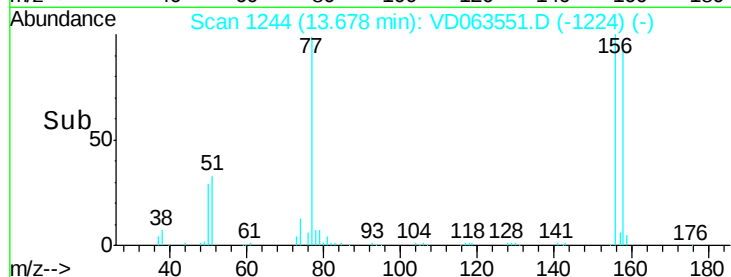
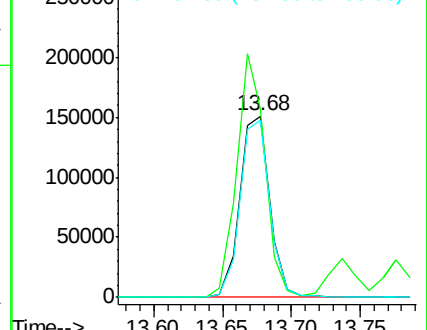
158 97.5 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.118 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063551.D

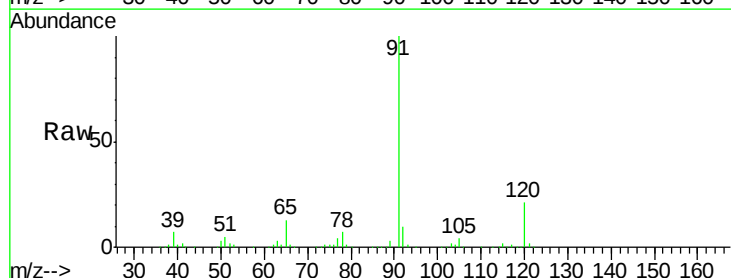
Acq: 14 Aug 2019 3:29

Tgt Ion: 91 Resp: 924182

Ion Ratio Lower Upper

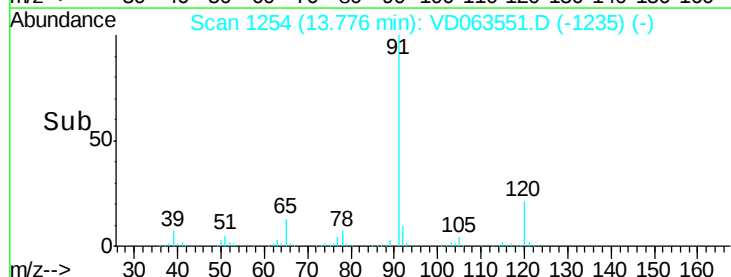
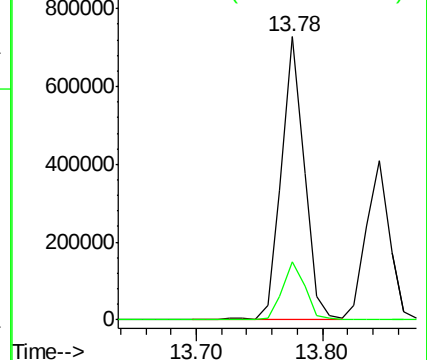
91 100

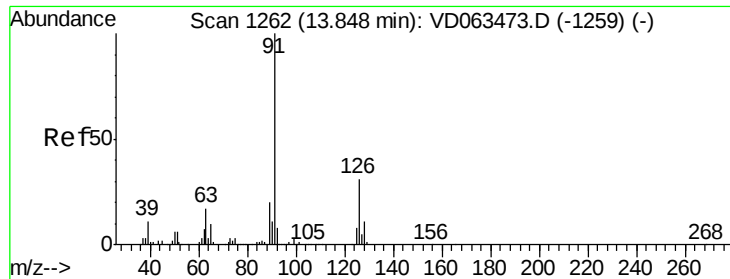
120 20.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

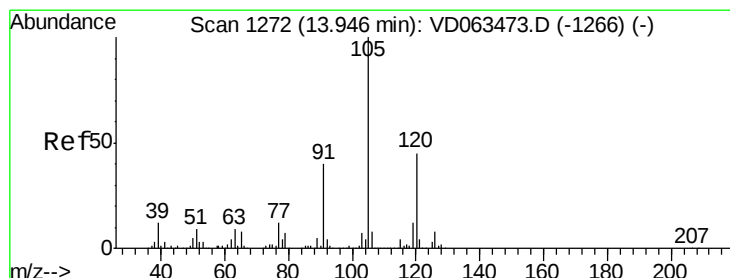
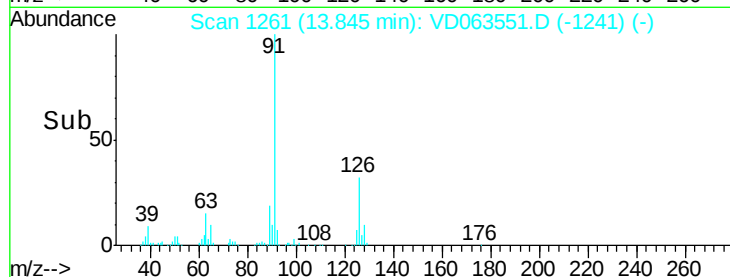
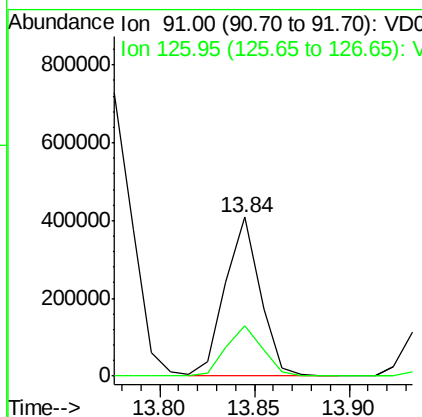
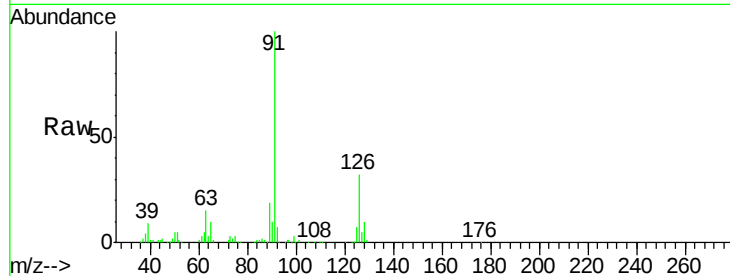




#79
 2-Chlorotoluene
 Concen: 20.706 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

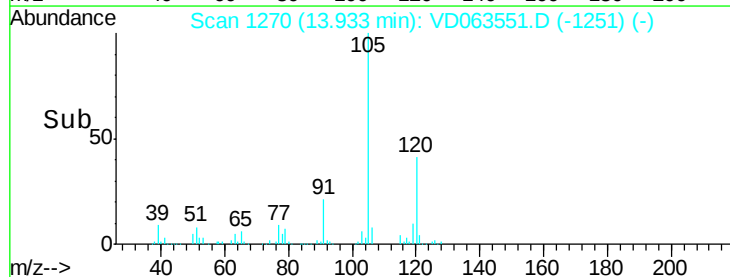
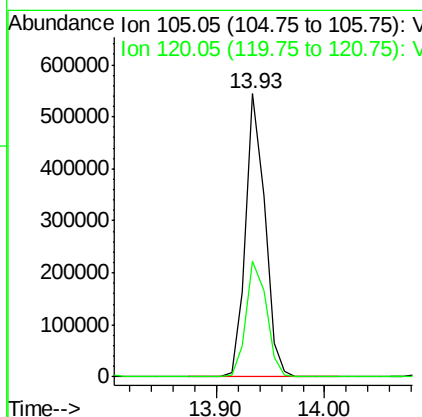
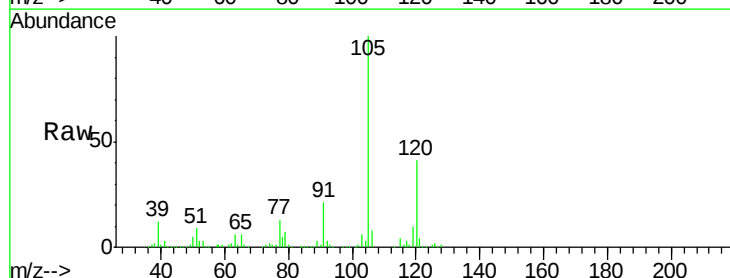
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

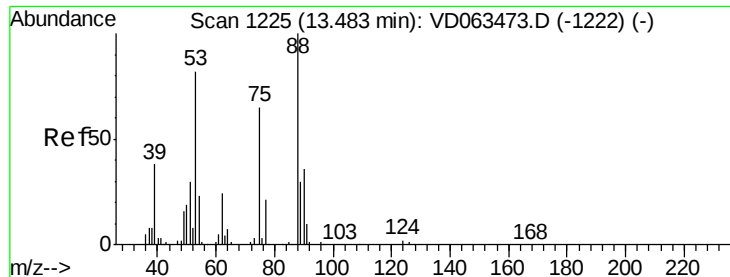
Tot Ion: 91 Resp: 522458
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.671 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion: 105 Resp: 675528
 Ion Ratio Lower Upper
 105 100
 120 40.7 22.8 68.3

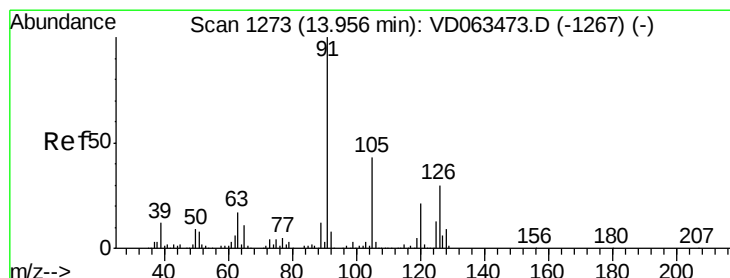
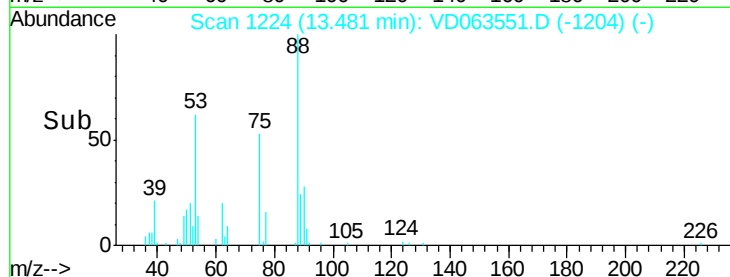
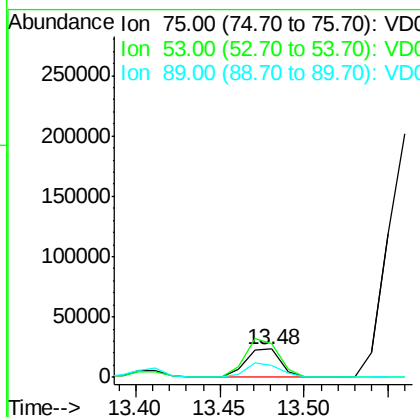
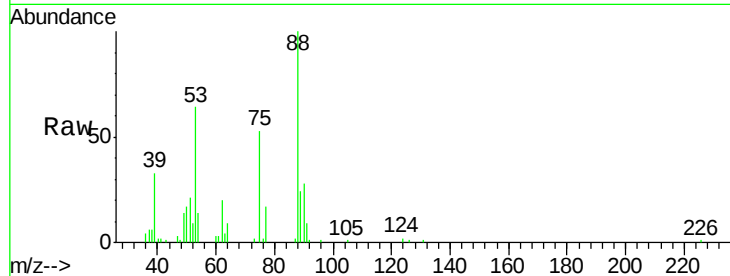




#81
trans-1,4-Dichloro-2-butene
Concen: 19.376 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

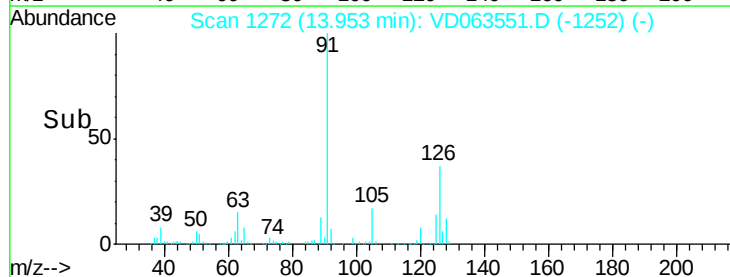
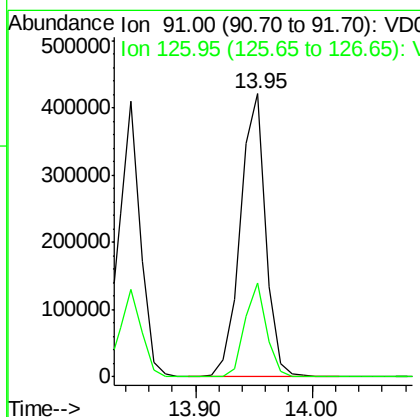
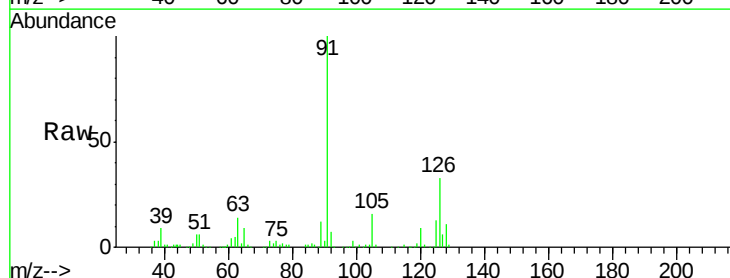
Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS02

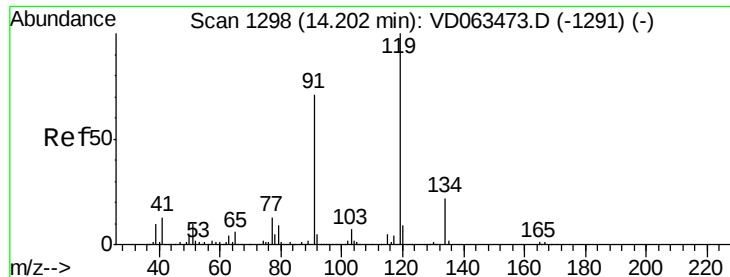
Tot Ion: 75 Resp: 35147
Ion Ratio Lower Upper
75 100
53 119.6 101.0 151.4
89 44.2 37.0 55.6



#82
4-Chlorotoluene
Concen: 20.775 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD063551.D
Acq: 14 Aug 2019 3:29

Tgt Ion: 91 Resp: 630376
Ion Ratio Lower Upper
91 100
126 33.3 15.2 45.6

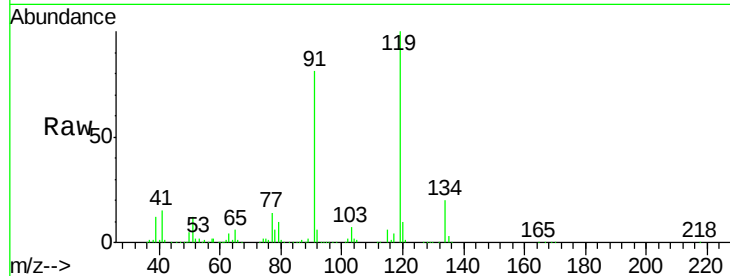




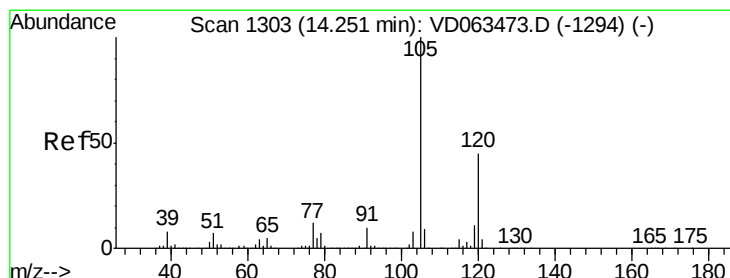
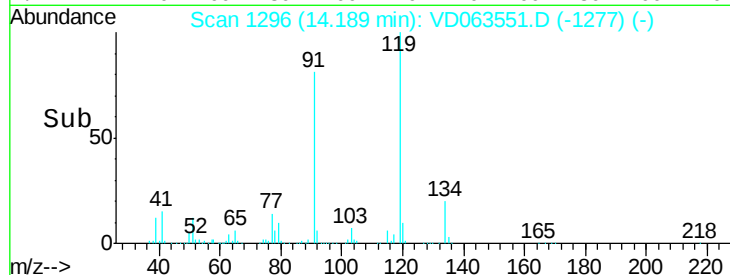
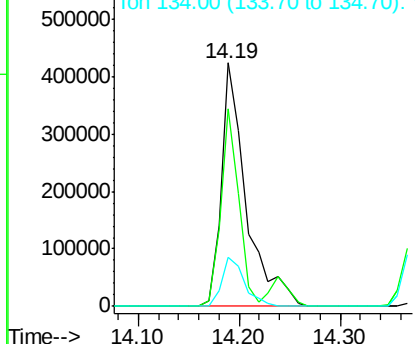
#83
 tert-Butylbenzene
 Concen: 21.142 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

Tot Ion:119 Resp: 727568
 Ion Ratio Lower Upper
 119 100
 91 81.1 35.5 106.7
 134 20.2 11.1 33.1

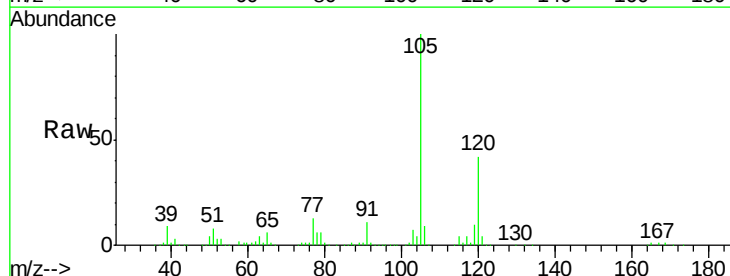


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

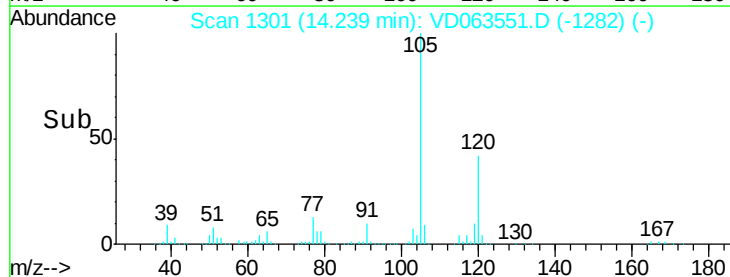
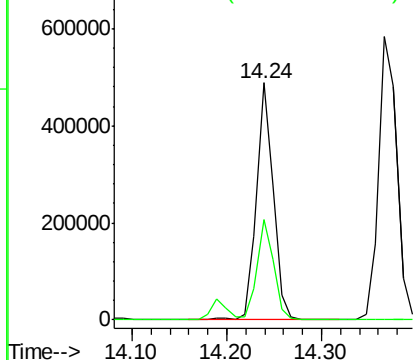


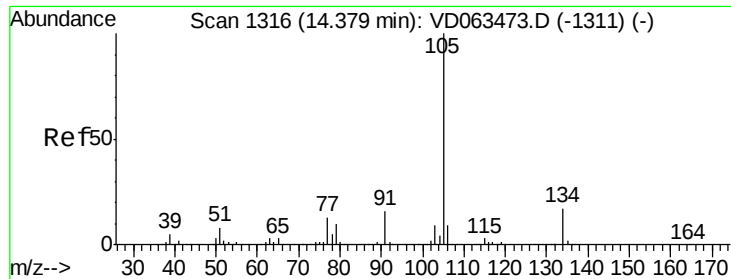
#84
 1,2,4-Trimethylbenzene
 Concen: 20.000 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion:105 Resp: 604759
 Ion Ratio Lower Upper
 105 100
 120 42.2 22.7 68.1



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

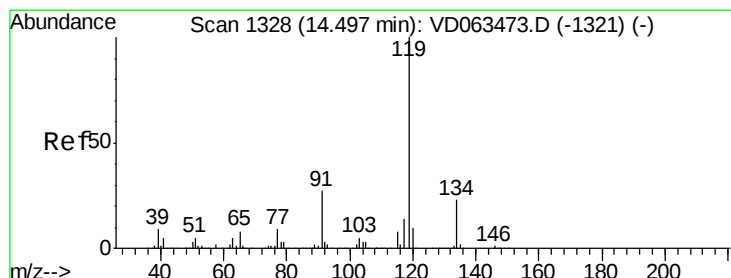
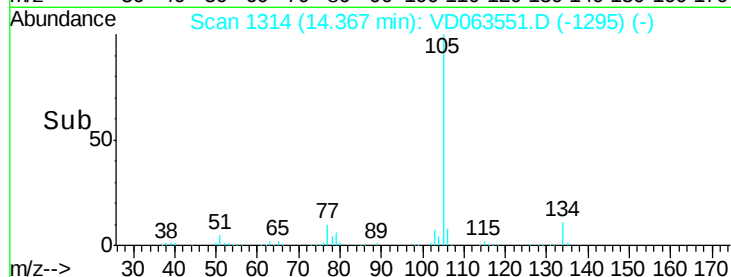
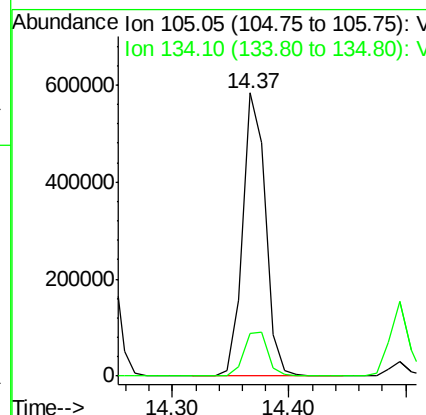
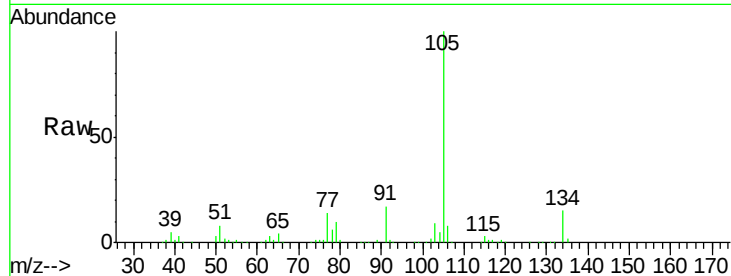




#85
 sec-Butylbenzene
 Concen: 21.556 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

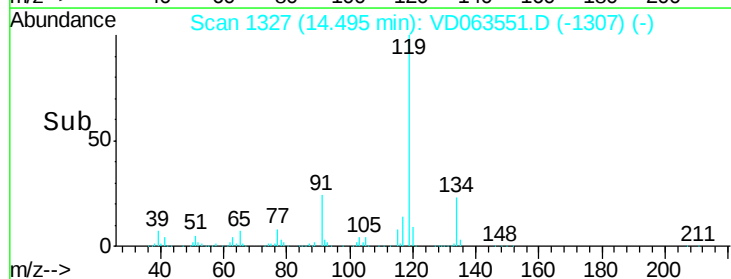
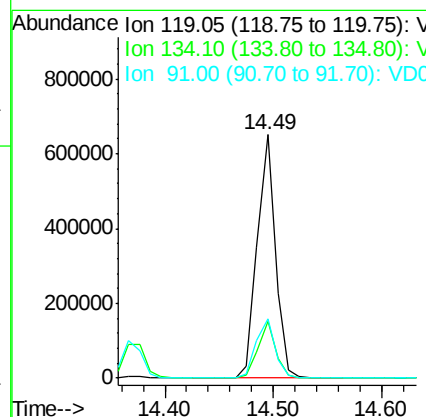
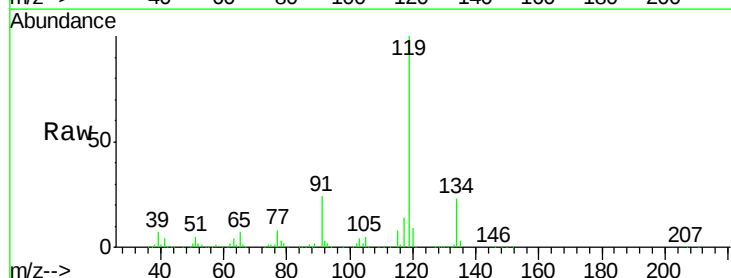
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

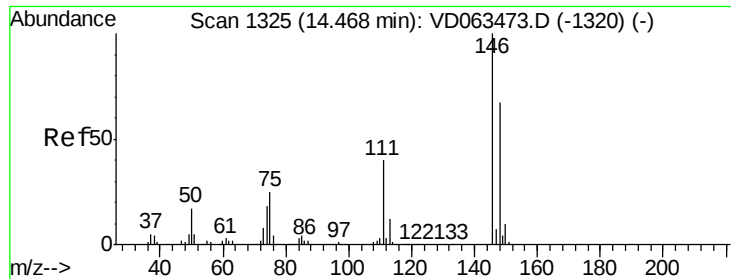
Tot Ion:105 Resp: 787800
 Ion Ratio Lower Upper
 105 100
 134 15.3 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 21.935 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion:119 Resp: 766487
 Ion Ratio Lower Upper
 119 100
 134 23.5 11.3 33.8
 91 24.3 13.5 40.4

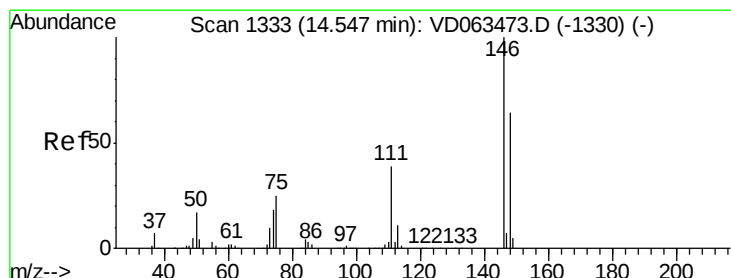
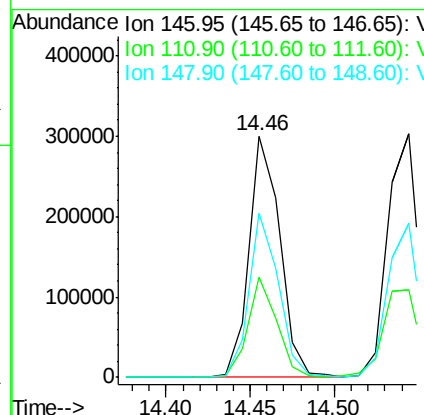
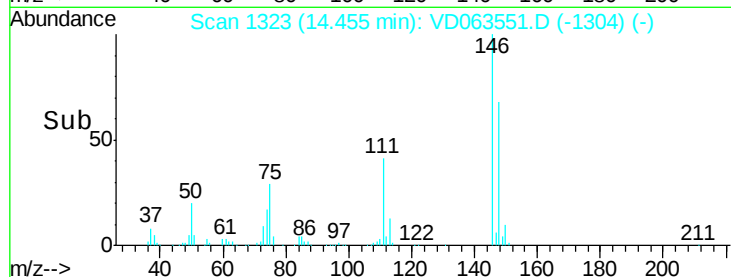
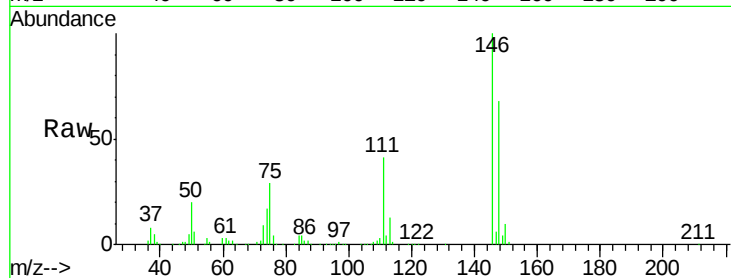




#87
 1,3-Dichlorobenzene
 Concen: 20.678 ug/l
 RT: 14.46 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

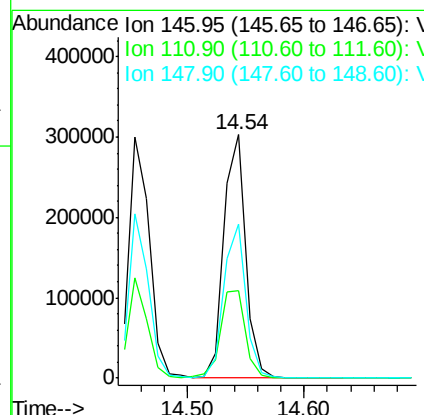
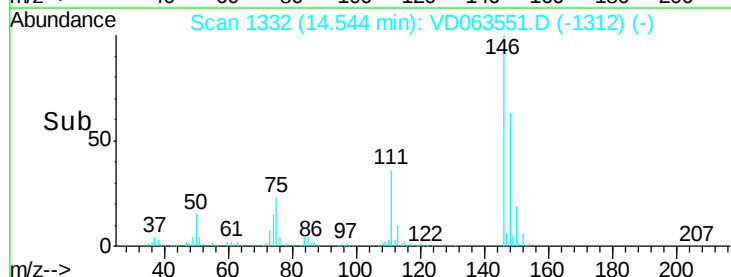
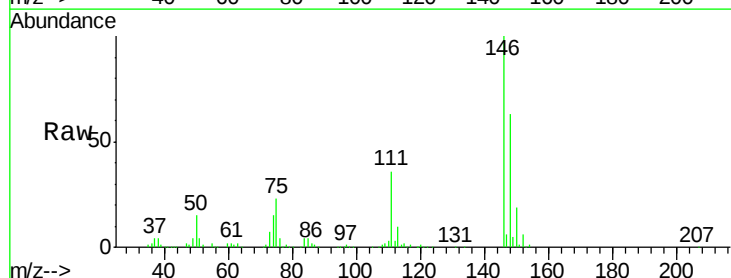
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

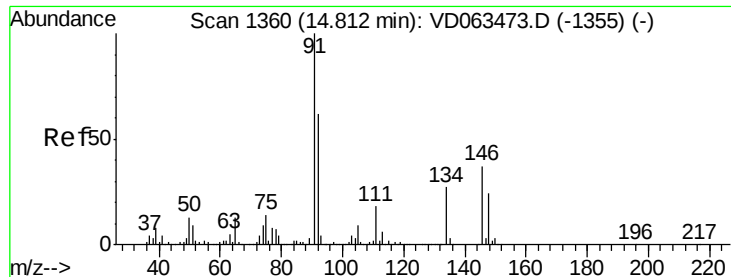
Tot Ion:146 Resp: 382351
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.0 60.0
 148 68.1 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 22.303 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion:146 Resp: 395657
 Ion Ratio Lower Upper
 146 100
 111 36.0 19.7 59.0
 148 63.5 32.1 96.3





#89

n-Butylbenzene

Concen: 18.745 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

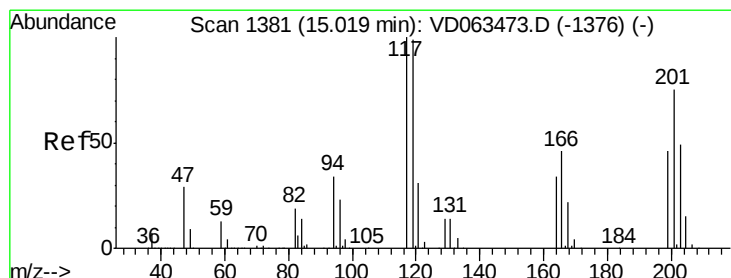
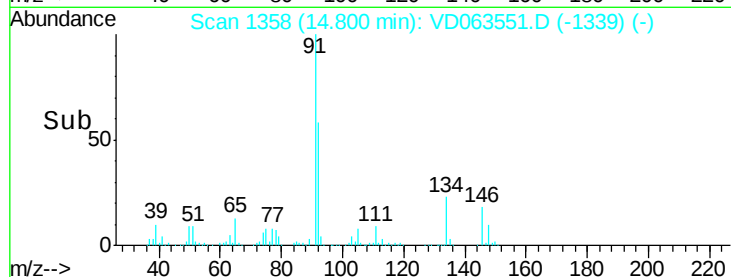
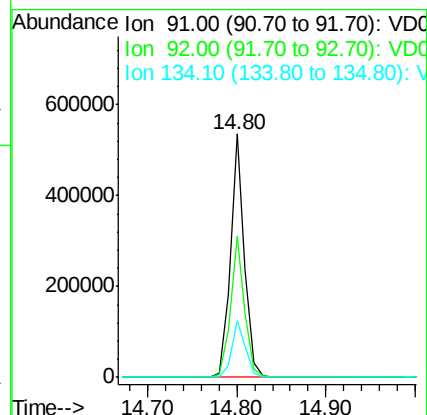
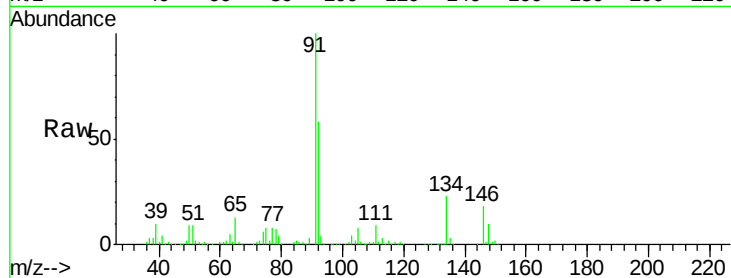
Tot Ion: 91 Resp: 597822

Ion Ratio Lower Upper

91 100

92 58.2 30.8 92.3

134 23.4 13.4 40.2



#90

Hexachloroethane

Concen: 22.348 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD063551.D

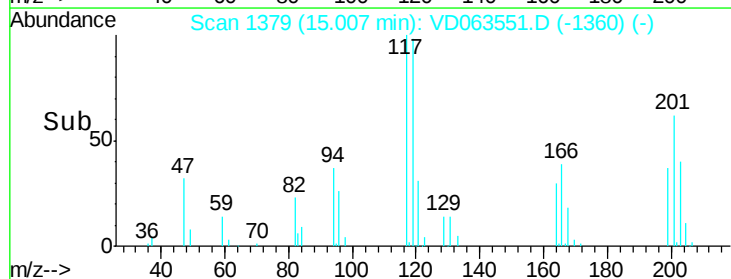
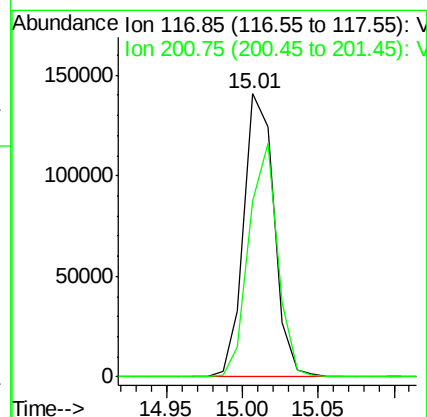
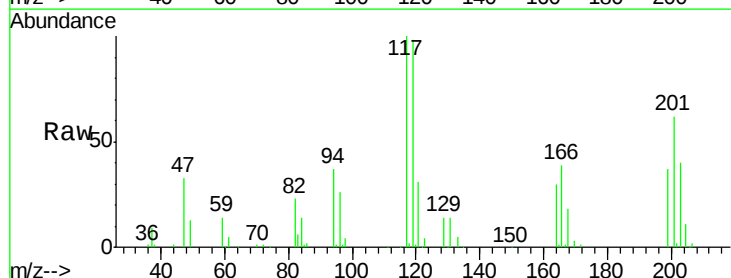
Acq: 14 Aug 2019 3:29

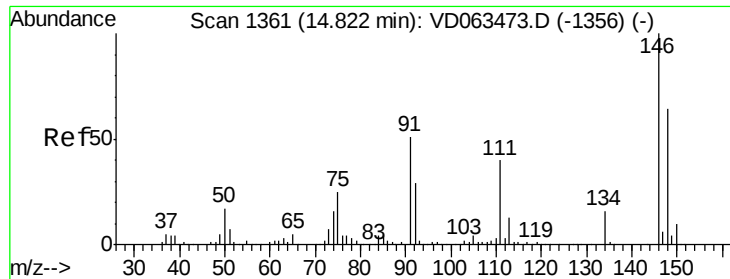
Tgt Ion: 117 Resp: 196288

Ion Ratio Lower Upper

117 100

201 62.1 37.5 112.5

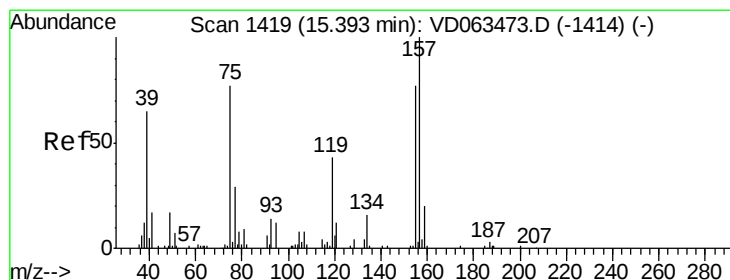
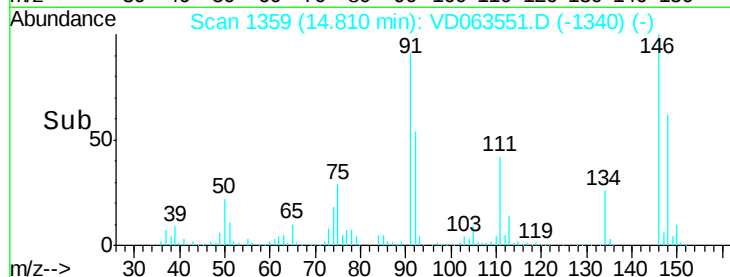
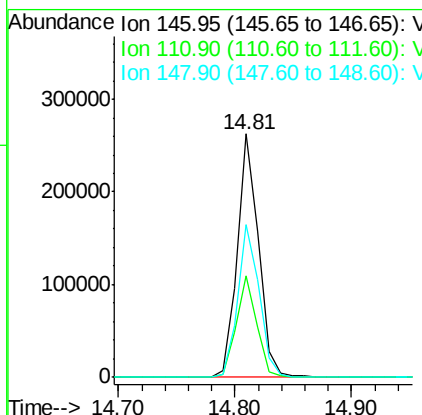
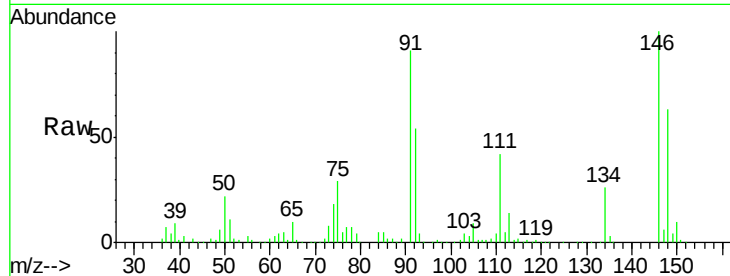




#91
 1,2-Dichlorobenzene
 Concen: 21.168 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

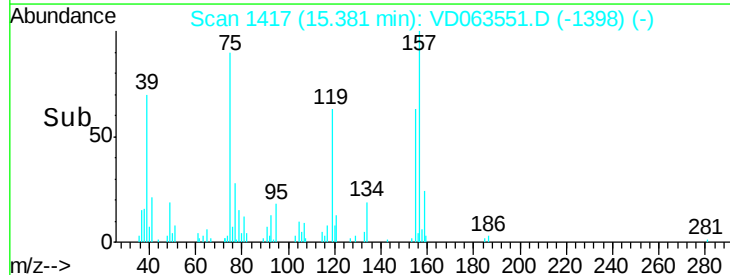
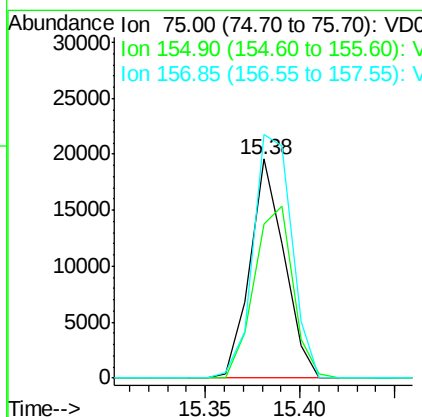
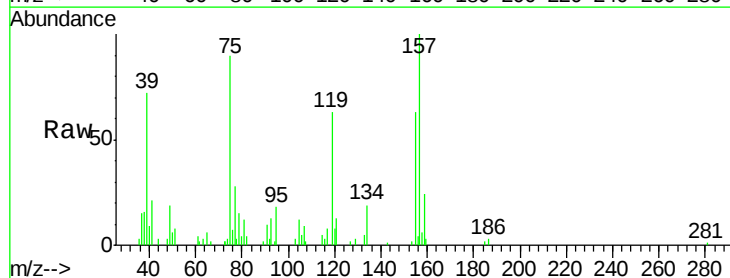
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

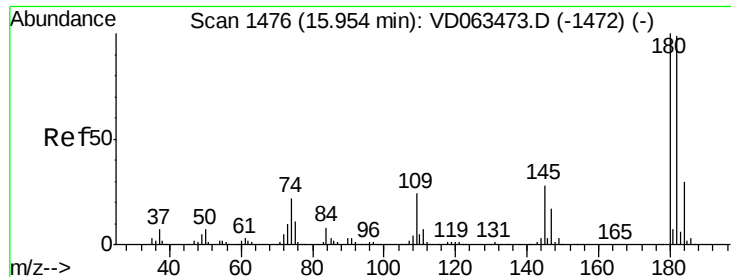
Tot Ion:146 Resp: 332085
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.2 60.6
 148 62.5 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.074 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion: 75 Resp: 24635
 Ion Ratio Lower Upper
 75 100
 155 70.3 50.1 150.3
 157 111.1 65.0 195.1

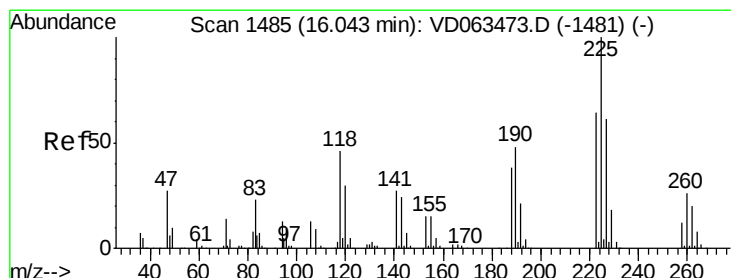
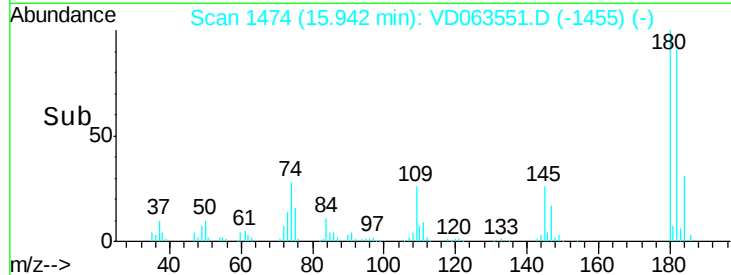
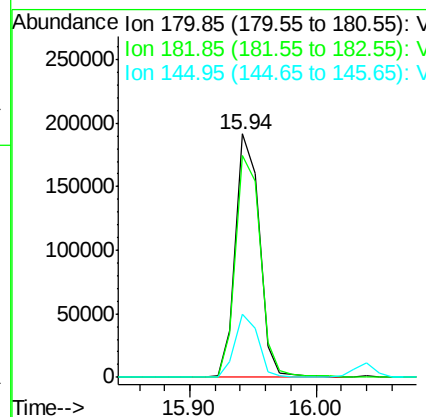
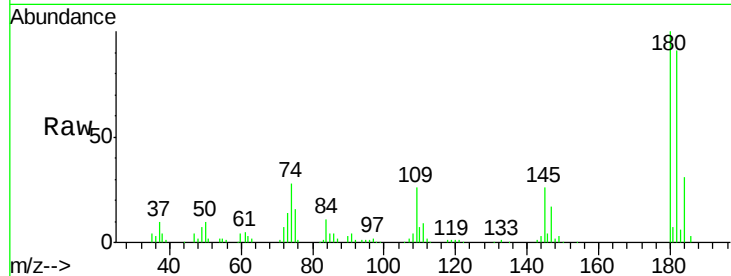




#93
 1,2,4-Trichlorobenzene
 Concen: 21.682 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

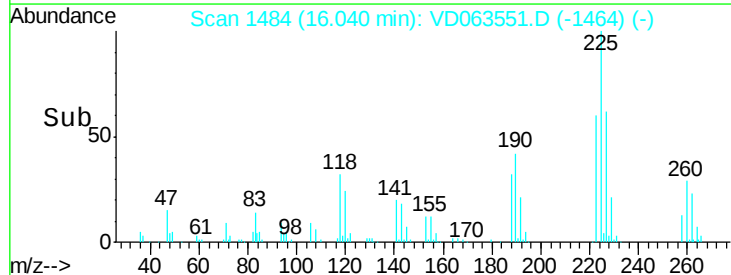
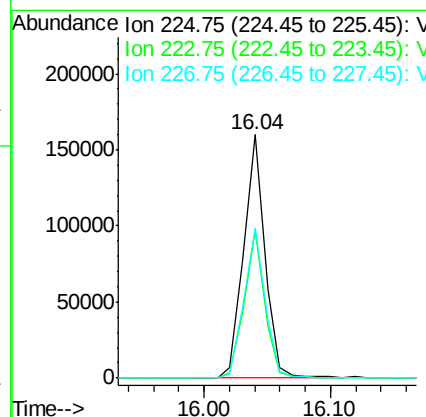
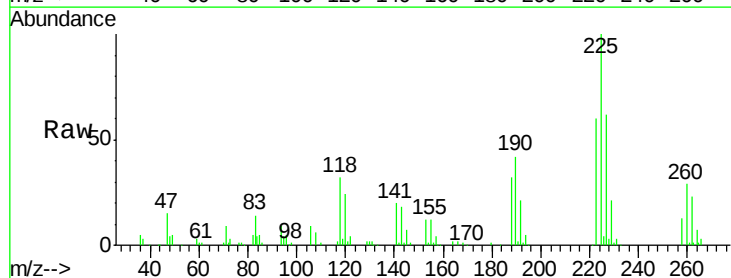
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS02

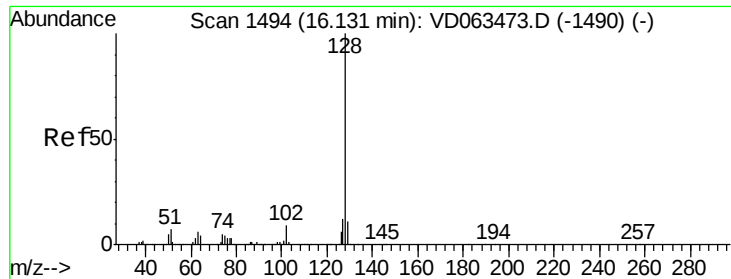
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	49.7	149.1
145	25.8	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 21.110 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063551.D
 Acq: 14 Aug 2019 3:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	31.9	95.5
227	61.9	30.7	92.1





#95

Naphthalene

Concen: 21.534 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS02

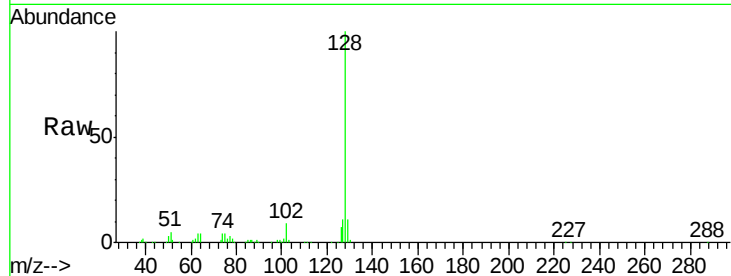
Tot Ion:128 Resp: 376720

Ion Ratio Lower Upper

128 100

127 10.9 9.4 14.0

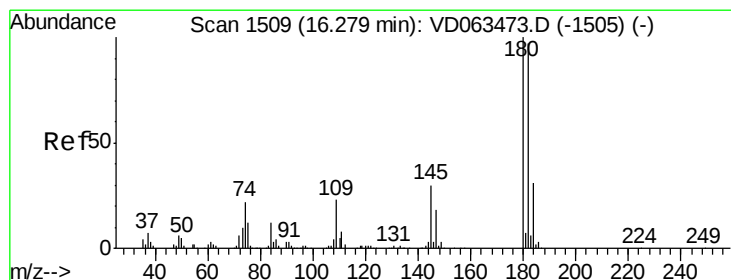
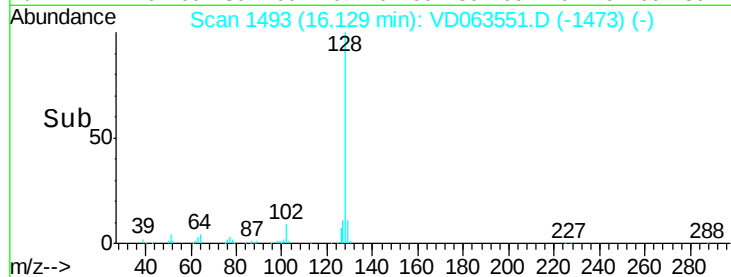
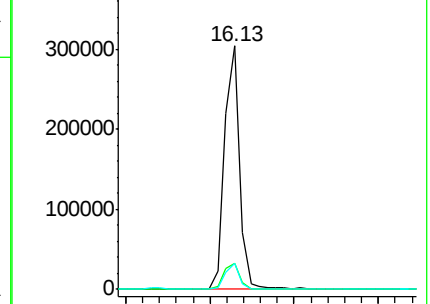
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.165 ug/l

RT: 16.28 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063551.D

Acq: 14 Aug 2019 3:29

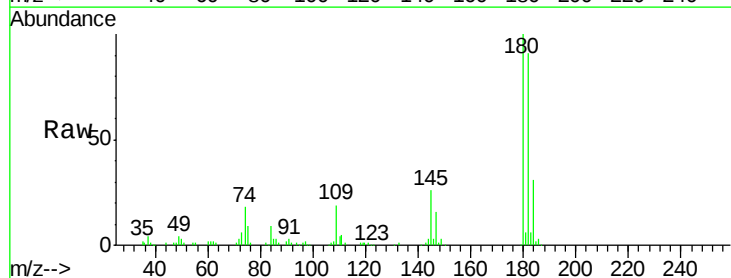
Tgt Ion:180 Resp: 197330

Ion Ratio Lower Upper

180 100

182 91.4 48.4 145.2

145 26.3 14.9 44.9



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

