

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062587.D
 Acq On : 3 Jun 2019 15:57
 Operator : VA/AP
 Sample : K3097-07
 Misc : 5.06g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 05:51:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	12503	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	18745	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	13712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	6528	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	7773	53.02	ug/l	-0.02
Spiked Amount			Recovery	=	106.04%	
35) Dibromofluoromethane	6.92	113	5907	34.58	ug/l	-0.02
Spiked Amount			Recovery	=	69.16%	
50) Toluene-d8	10.41	98	12504	33.41	ug/l	0.00
Spiked Amount			Recovery	=	66.82%	
62) 4-Bromofluorobenzene	13.55	95	6368	37.73	ug/l	0.00
Spiked Amount			Recovery	=	75.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	177	1.221	ug/l #	40
3) Chloromethane	1.77	50	2405	14.493	ug/l #	43
5) Bromomethane	2.12	94	327	9.090	ug/l #	1
6) Chloroethane	2.31	64	332	6.391	ug/l #	45
10) Methyl Iodide	3.32	142	2042	13.019	ug/l #	94
12) 1,1-Dichloroethene	3.04	96	240	2.454	ug/l #	1
13) Acrolein	3.01	56	280	102.771	ug/l	90
16) Acetone	3.22	43	4344	150.811	ug/l	100
18) Methyl Acetate	3.63	43	236	5.020	ug/l #	63
23) Vinyl Acetate	5.06	43	202	1.067	ug/l #	80
25) 2-Butanone	6.07	43	602	22.191	ug/l #	62
29) Tetrahydrofuran	6.54	42	211	17.364	ug/l #	33
36) 1,1-Dichloropropene	7.09	75	227	1.217	ug/l #	41
37) Ethyl Acetate	6.17	43	613	7.792	ug/l #	72
43) Isopropyl Acetate	8.93	43	189	1.930	ug/l #	50
55) 1,1,2-Trichloroethane	11.22	97	194	2.365	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.88	63	178	3.970	ug/l #	49
59) 2-Hexanone	11.39	43	193	4.028	ug/l #	32
67) Ethyl Benzene	12.52	91	1346	2.750	ug/l	91
68) m/p-Xylenes	12.68	106	1736	10.254	ug/l	87
69) o-Xylene	13.04	106	184	1.139	ug/l #	1
73) Isopropylbenzene	13.41	105	438	1.018	ug/l #	52
74) N-amyl acetate	13.31	43	190	1.731	ug/l #	20
76) 1,2,3-Trichloropropane	13.71	75	179	2.286	ug/l #	42
77) Bromobenzene	13.67	156	231	1.958	ug/l #	1
78) n-propylbenzene	13.77	91	1134	2.286	ug/l #	57
79) 2-Chlorotoluene	13.86	91	419	1.457	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.88	105	2175	5.914	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.55	75	3301	147.096	ug/l #	5
82) 4-Chlorotoluene	13.94	91	448	1.301	ug/l #	41
84) 1,2,4-Trimethylbenzene	14.24	105	4005	10.688	ug/l	72
87) 1,3-Dichlorobenzene	14.45	146	572	2.796	ug/l #	25
88) 1,4-Dichlorobenzene	14.54	146	546	2.664	ug/l #	23
90) Hexachloroethane	15.14	117	2590	24.038	ug/l #	6

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Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration

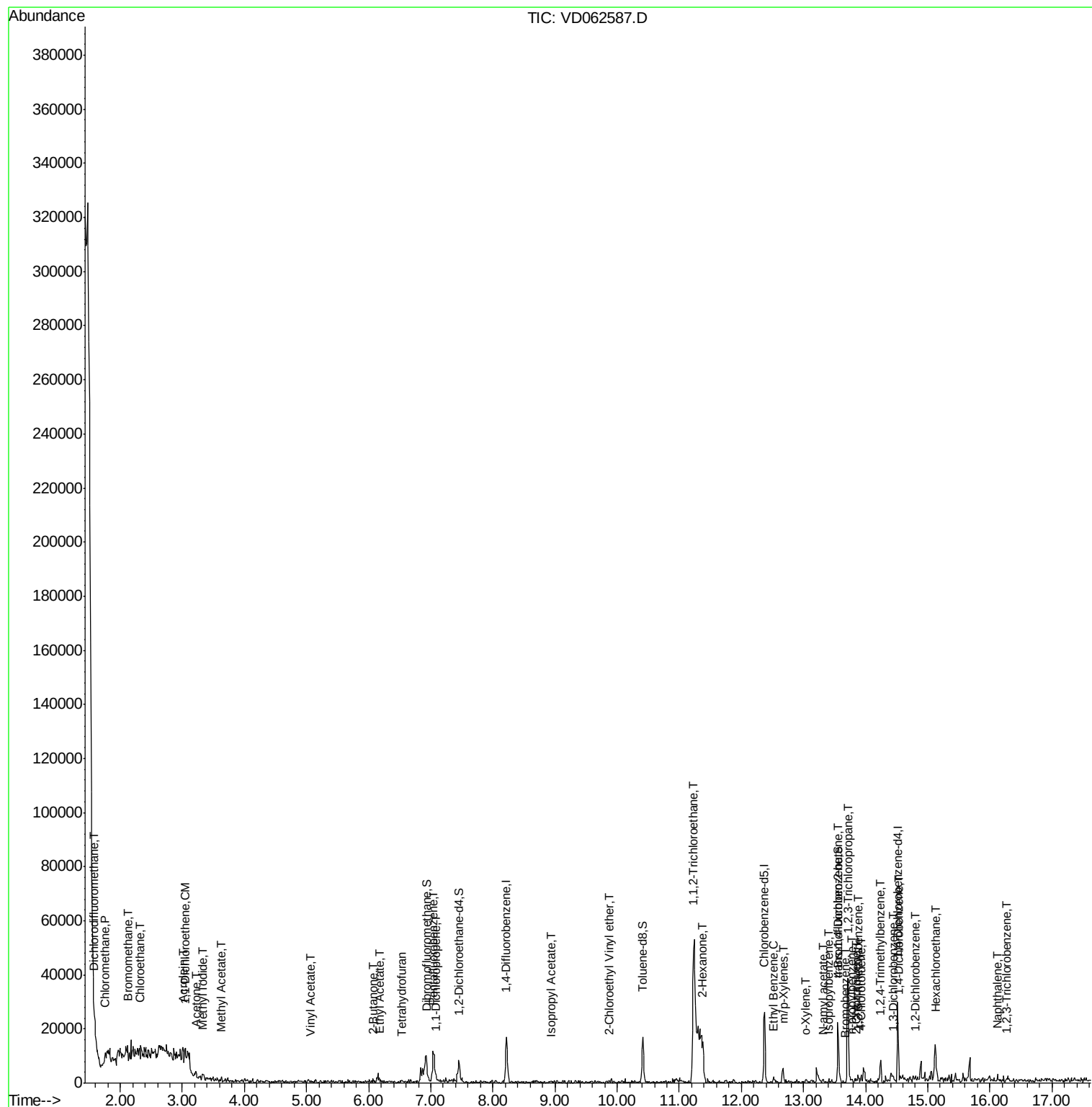
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	14.81	146	317	1.842	ug/l #	23
95) Naphthalene	16.12	128	2377	12.686	ug/l #	72
96) 1,2,3-Trichlorobenzene	16.27	180	356	3.464	ug/l #	12

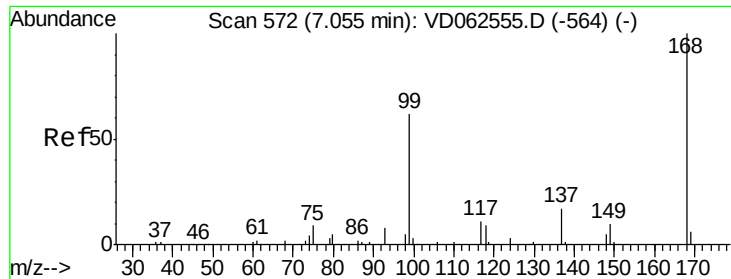
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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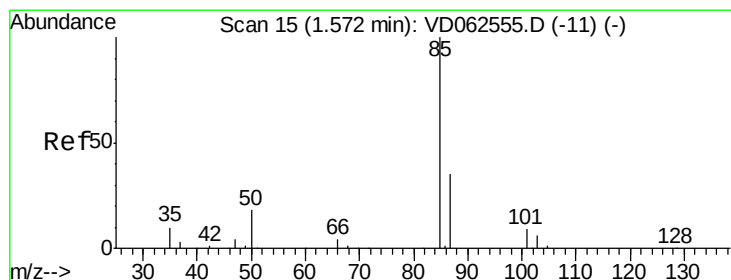
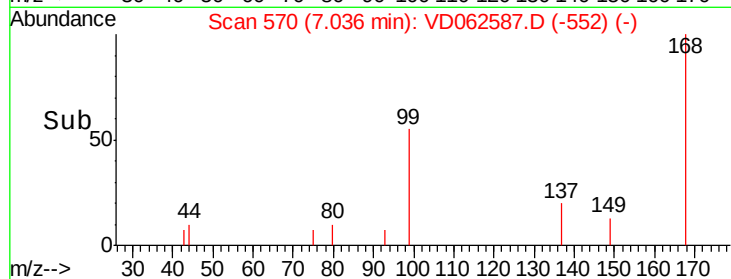
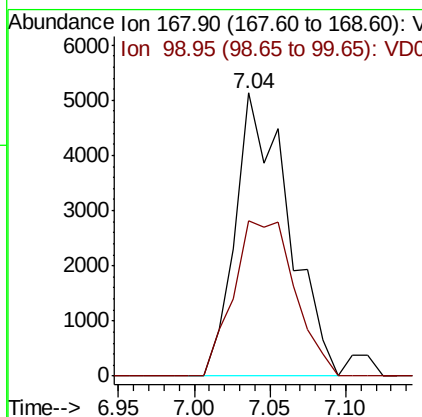
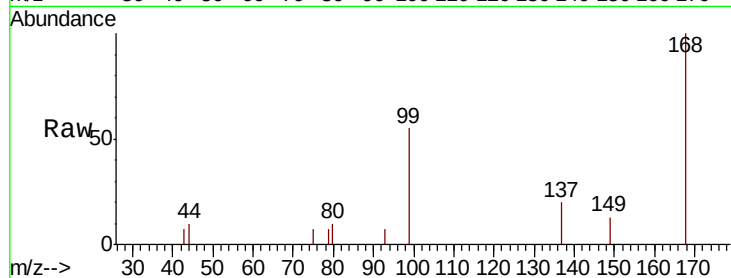




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.02 min
Lab File: VD062587.D
Acq: 3 Jun 2019 15:57

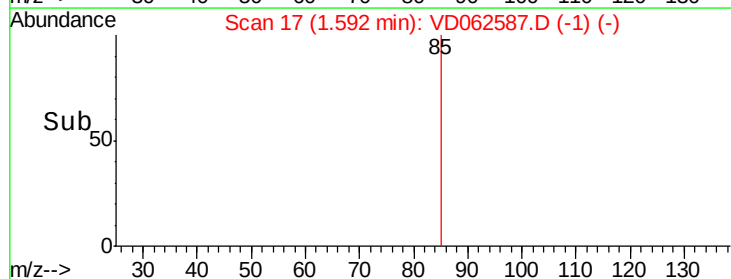
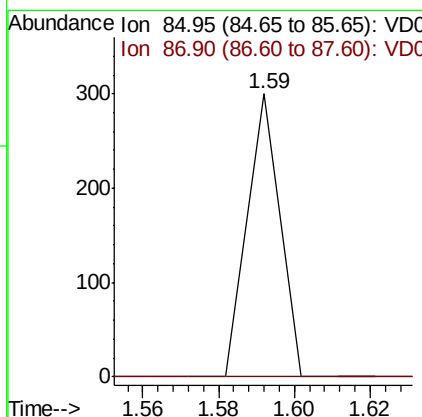
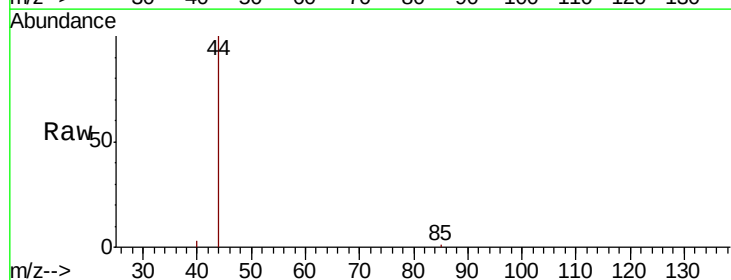
Instrument :
MSVOA_D
ClientSampled :

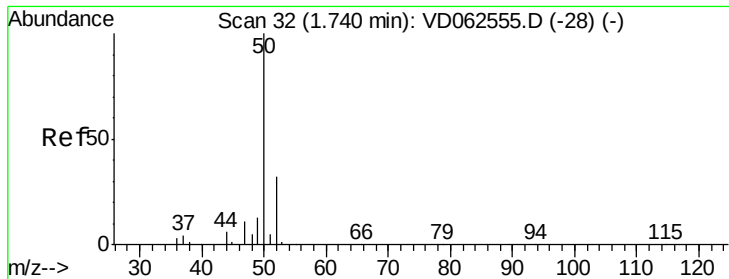
Tot Ion:168 Resp: 12503
Ion Ratio Lower Upper
168 100
99 54.7 50.8 76.2



#2
Dichlorodifluoromethane
Concen: 1.221 ug/l
RT: 1.59 min Scan# 17
Delta R.T. 0.02 min
Lab File: VD062587.D
Acq: 3 Jun 2019 15:57

Tgt Ion: 85 Resp: 177
Ion Ratio Lower Upper
85 100
87 0.0 17.5 52.6#





#3

Chloromethane

Concen: 14.493 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.03 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

Instrument :

MSVOA_D

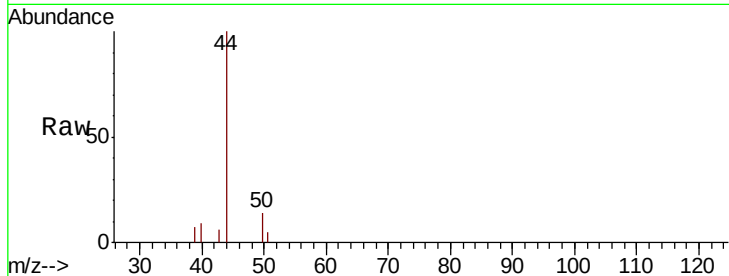
ClientSampled :

Tot Ion: 50 Resp: 2405

Ion Ratio Lower Upper

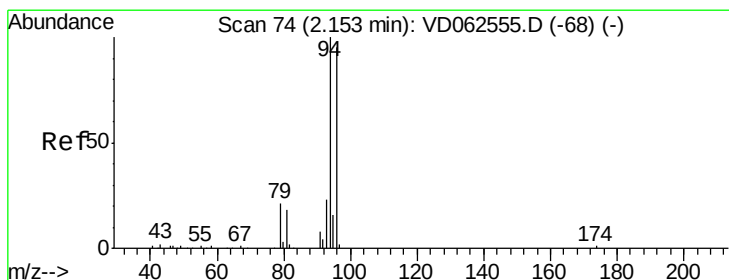
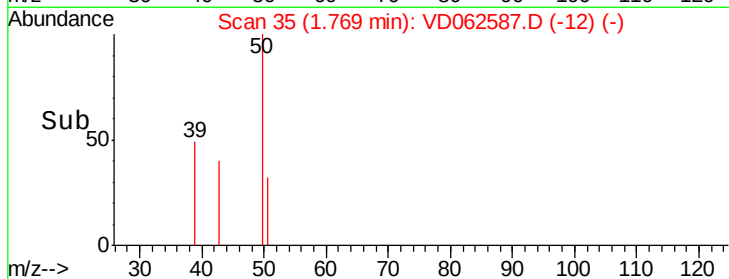
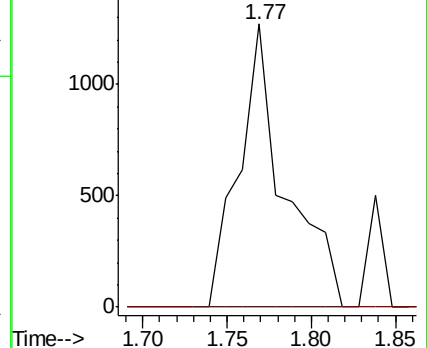
50 100

52 0.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#5

Bromomethane

Concen: 9.090 ug/l

RT: 2.12 min Scan# 71

Delta R.T. -0.03 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

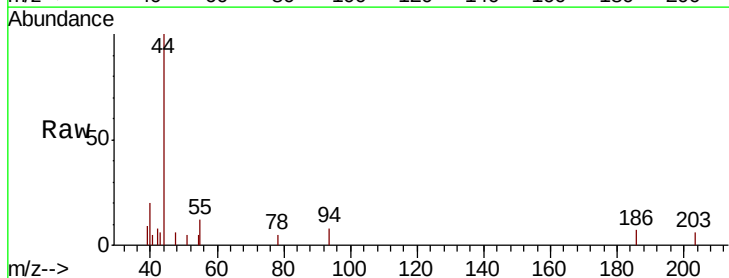
Tgt Ion: 94 Resp: 327

Ion Ratio Lower Upper

94 100

96 0.0 76.2 114.4#

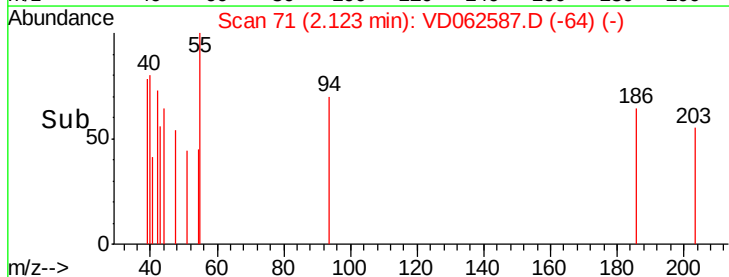
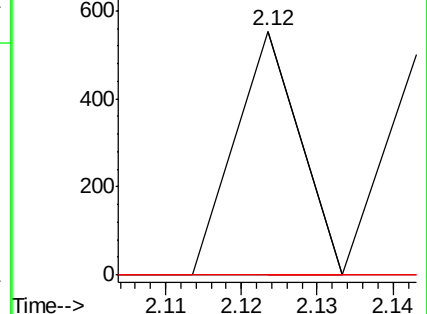
93 100.0 18.4 27.6#

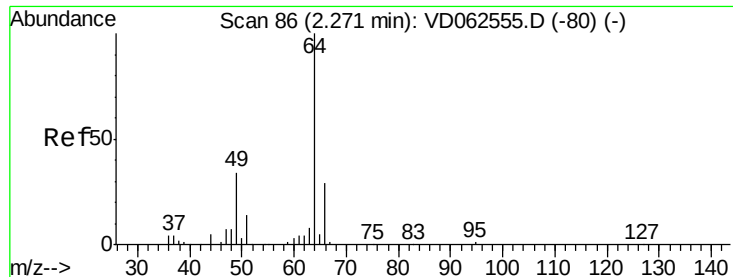


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#6

Chloroethane

Concen: 6.391 ug/l

RT: 2.31 min Scan# 90

Delta R.T. 0.04 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

Instrument :

MSVOA_D

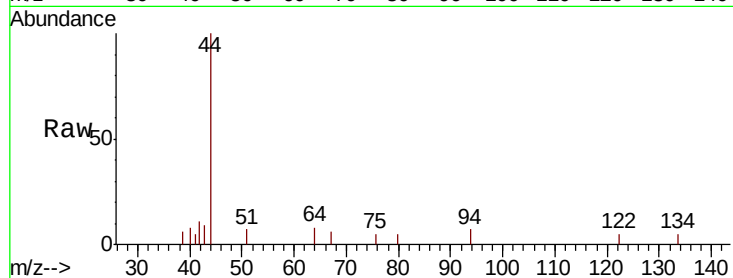
ClientSampled :

Tot Ion: 64 Resp: 332

Ion Ratio Lower Upper

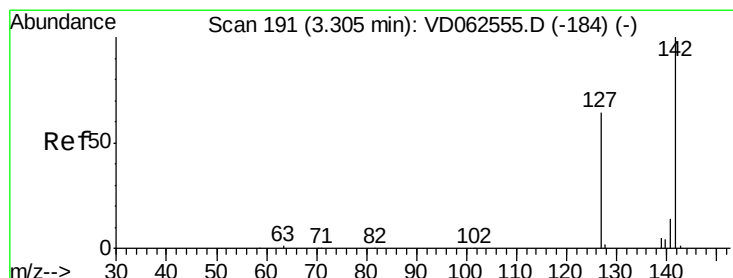
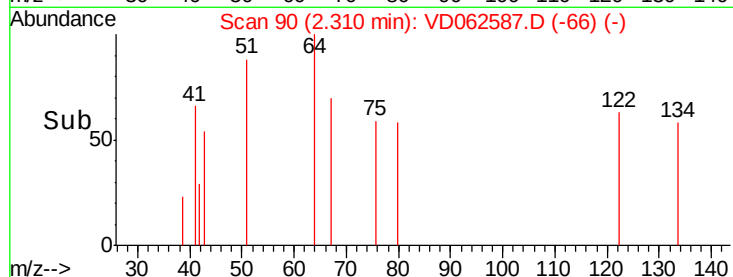
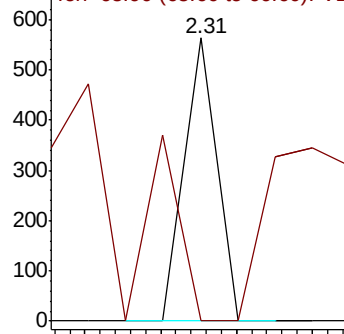
64 100

66 0.0 23.4 35.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#10

Methyl Iodide

Concen: 13.019 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

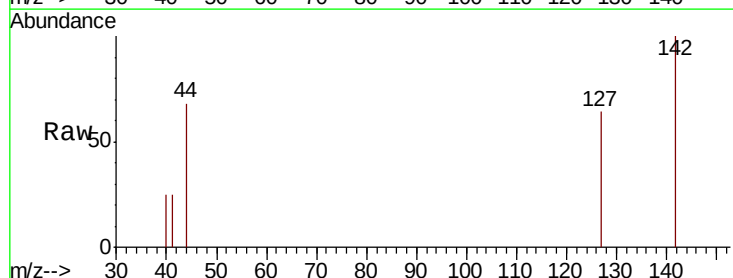
Tgt Ion: 142 Resp: 2042

Ion Ratio Lower Upper

142 100

127 63.8 51.2 76.8

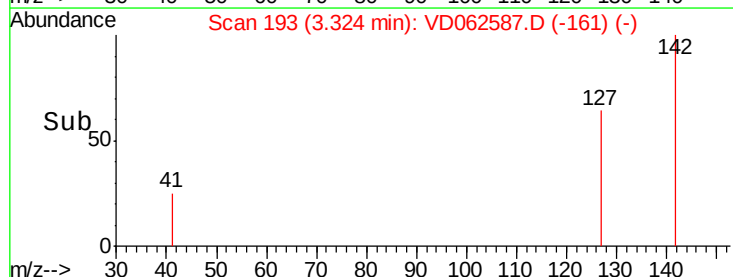
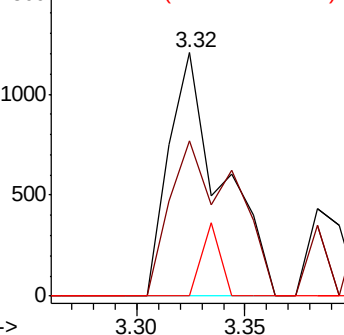
141 0.0 11.0 16.4#

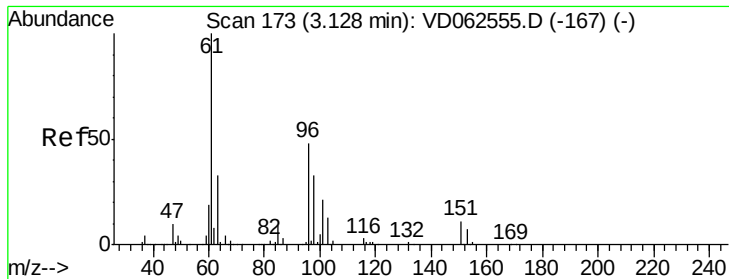


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

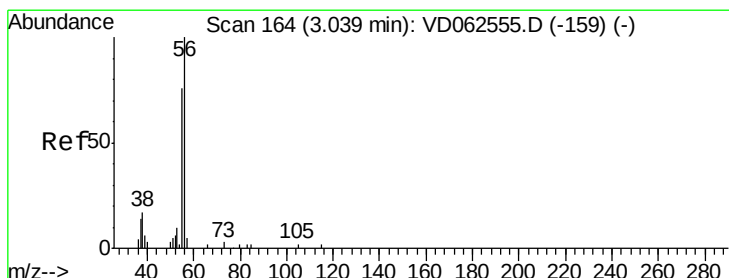
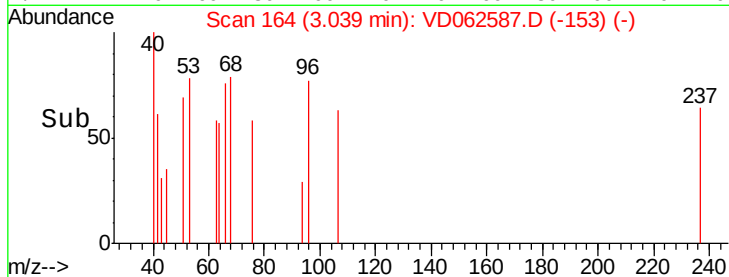
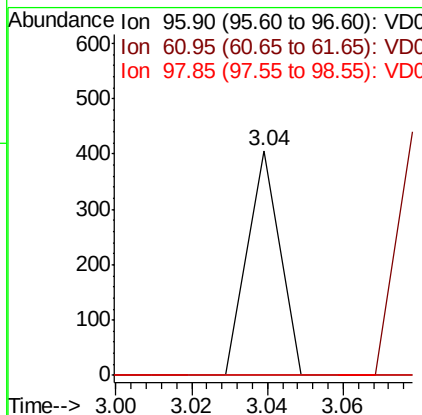
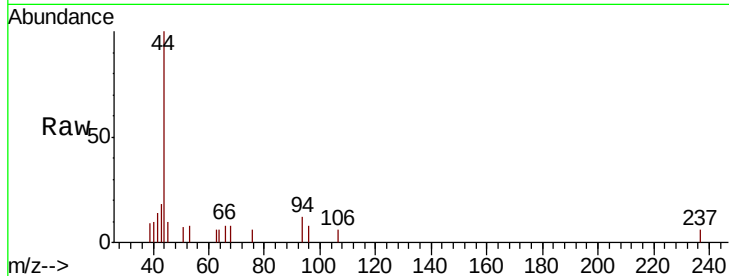




#12
 1,1-Dichloroethene
 Concen: 2.454 ug/l
 RT: 3.04 min Scan# 164
 Delta R.T. -0.09 min
 Lab File: VD062587.D
 Acq: 3 Jun 2019 15:57

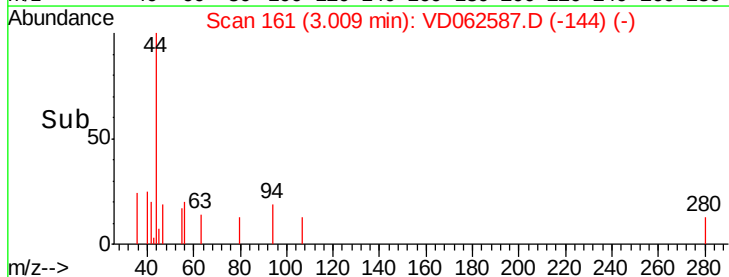
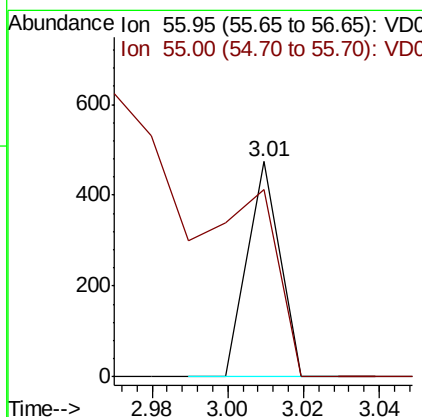
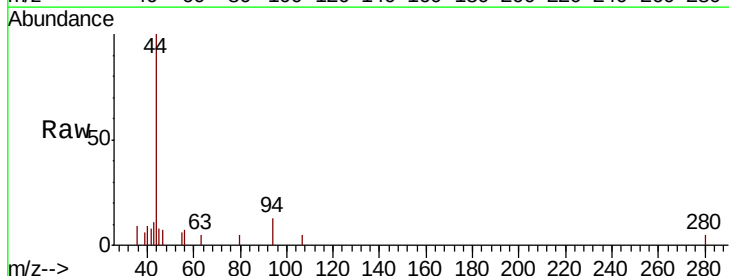
Instrument :
 MSVOA_D
 ClientSampled :

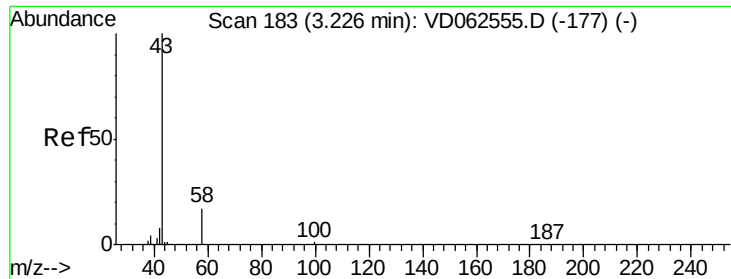
Tot Ion: 96 Resp: 240
 Ion Ratio Lower Upper
 96 100
 61 0.0 166.6 250.0#
 98 0.0 54.4 81.6#



#13
 Acrolein
 Concen: 102.771 ug/l
 RT: 3.01 min Scan# 161
 Delta R.T. -0.03 min
 Lab File: VD062587.D
 Acq: 3 Jun 2019 15:57

Tgt Ion: 56 Resp: 280
 Ion Ratio Lower Upper
 56 100
 55 86.9 62.6 93.8





#16

Acetone

Concen: 150.811 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

Instrument :

MSVOA_D

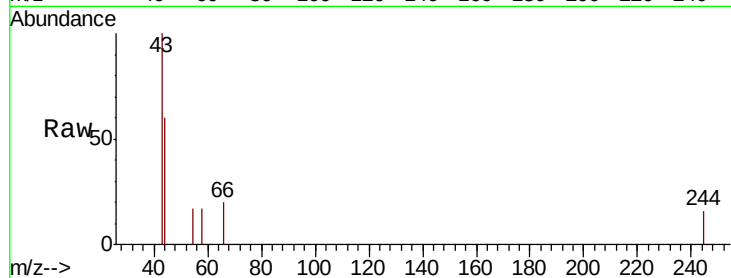
ClientSampled :

Tot Ion: 43 Resp: 4344

Ion Ratio Lower Upper

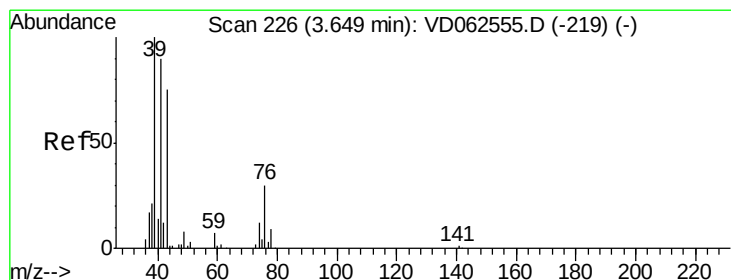
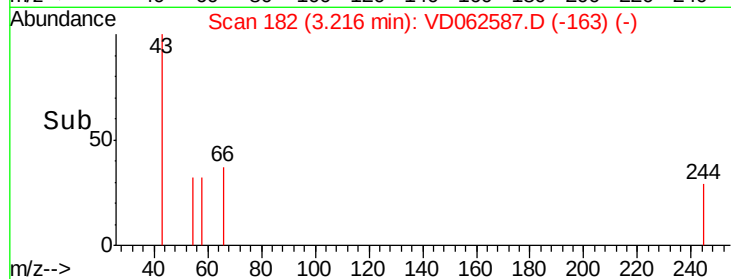
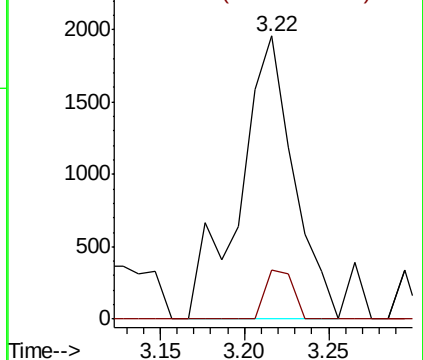
43 100

58 17.4 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 5.020 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD062587.D

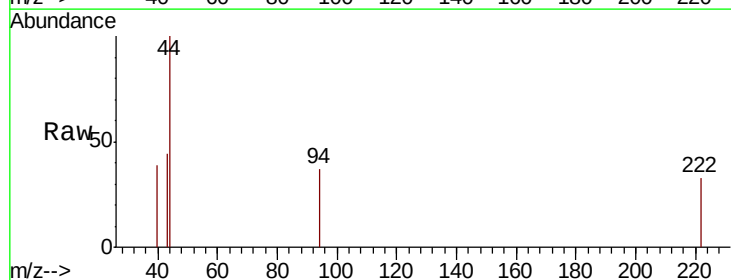
Acq: 3 Jun 2019 15:57

Tgt Ion: 43 Resp: 236

Ion Ratio Lower Upper

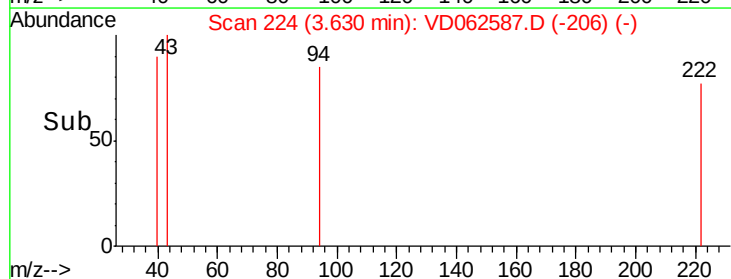
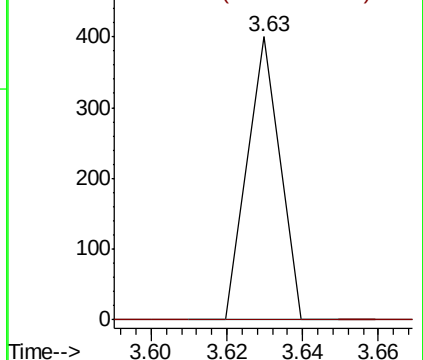
43 100

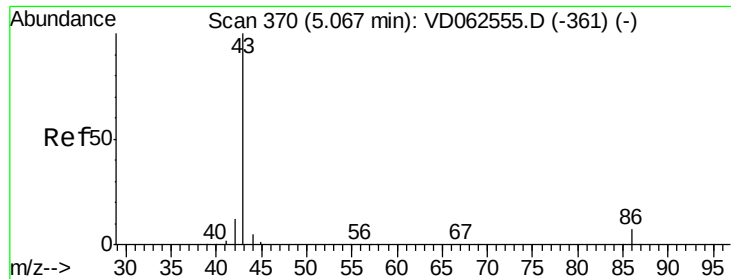
74 0.0 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

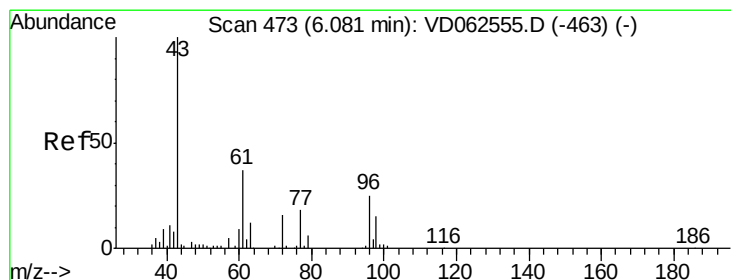
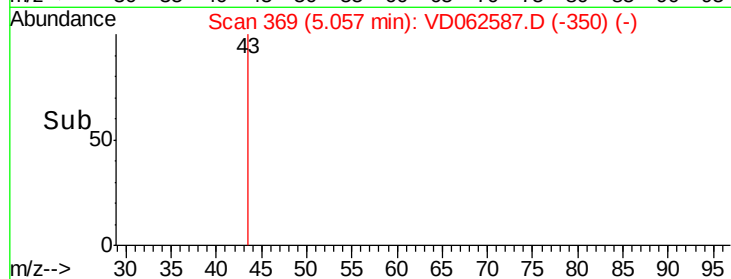
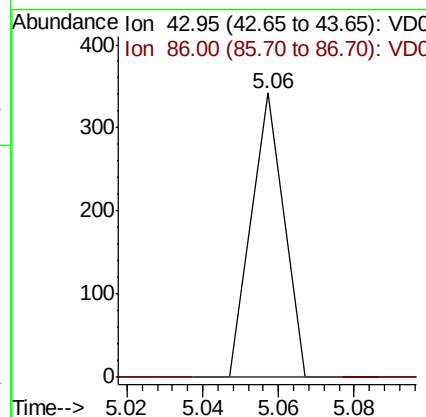
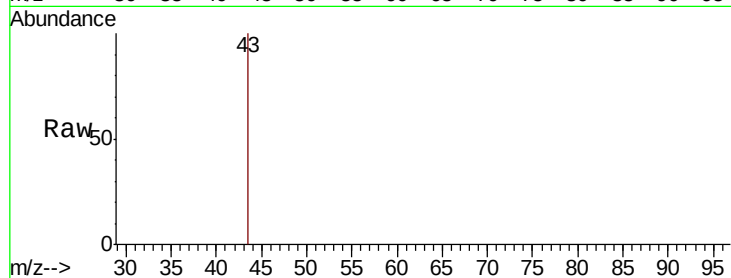




#23
Vinyl Acetate
Concen: 1.067 ug/l
RT: 5.06 min Scan# 369
Delta R.T. -0.01 min
Lab File: VD062587.D
Acq: 3 Jun 2019 15:57

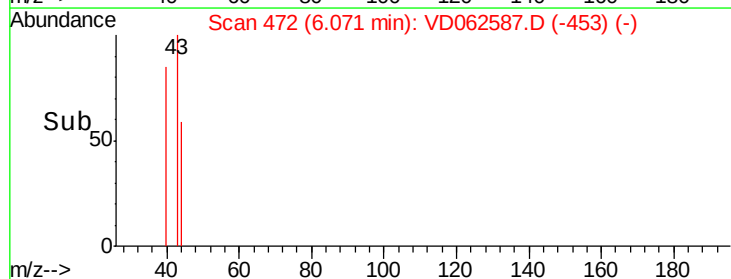
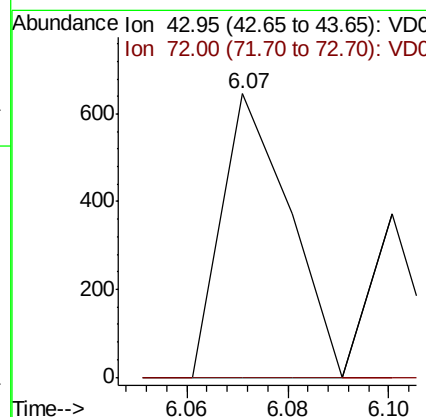
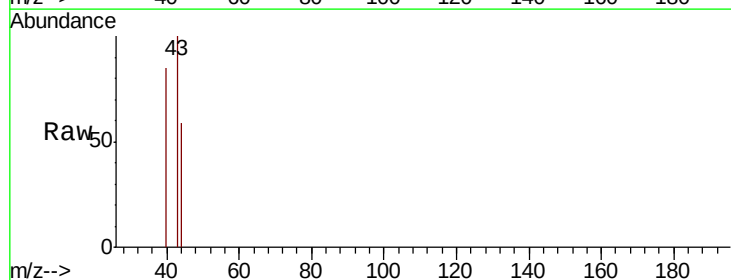
Instrument :
MSVOA_D
ClientSampleId :

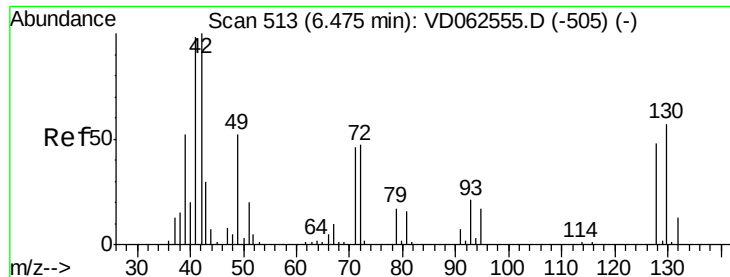
Tot Ion: 43 Resp: 202
Ion Ratio Lower Upper
43 100
86 0.0 5.5 8.3#



#25
2-Butanone
Concen: 22.191 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.01 min
Lab File: VD062587.D
Acq: 3 Jun 2019 15:57

Tgt Ion: 43 Resp: 602
Ion Ratio Lower Upper
43 100
72 0.0 12.7 19.1#





#29

Tetrahydrofuran

Concen: 17.364 ug/l

RT: 6.54 min Scan# 520

Delta R.T. 0.07 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

Instrument :

MSVOA_D

ClientSampled :

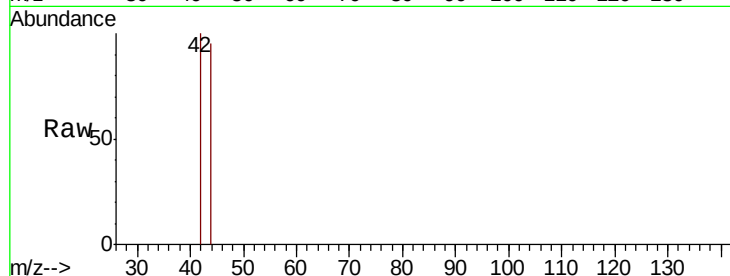
Tot Ion: 42 Resp: 211

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

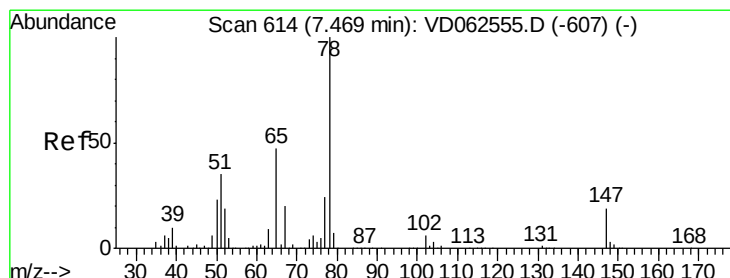
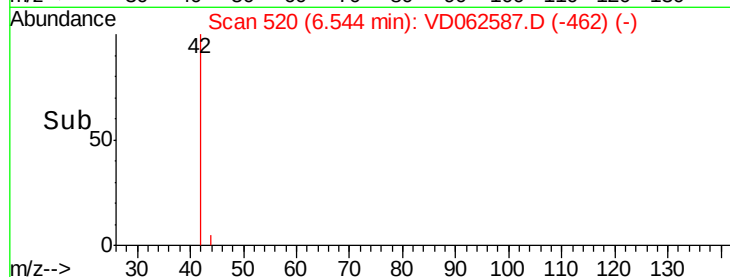
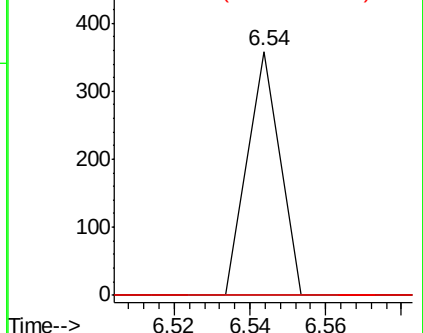
71 0.0 33.0 49.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 53.021 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062587.D

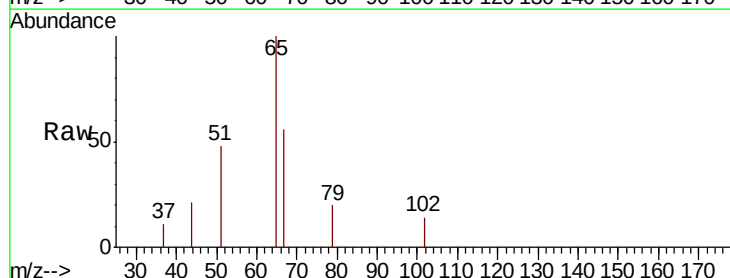
Acq: 3 Jun 2019 15:57

Tgt Ion: 65 Resp: 7773

Ion Ratio Lower Upper

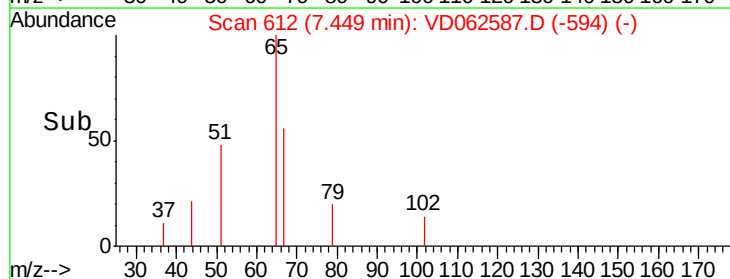
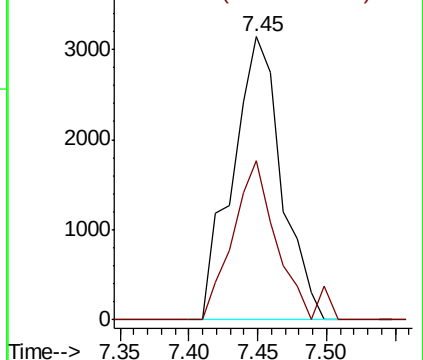
65 100

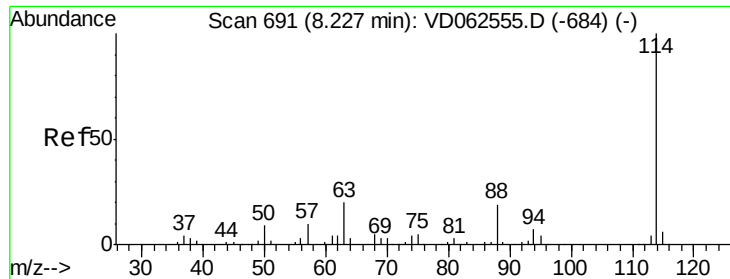
67 56.4 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

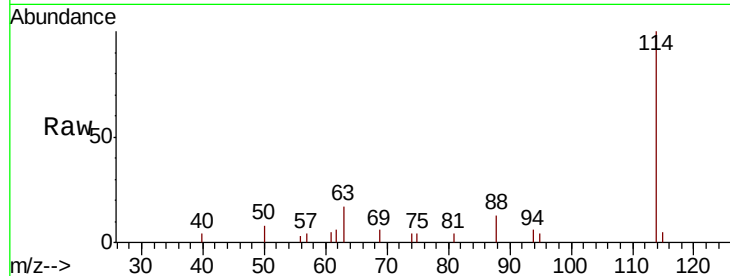
Tot Ion:114 Resp: 18745

Ion Ratio Lower Upper

114 100

63 17.4 0.0 40.6

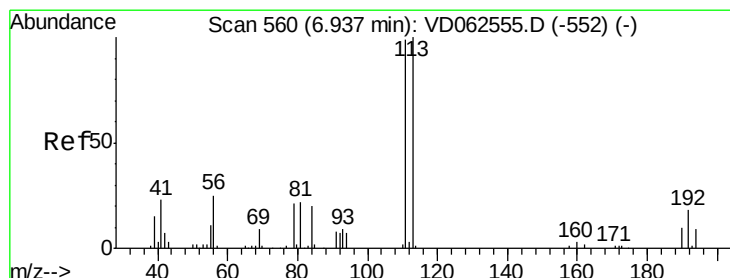
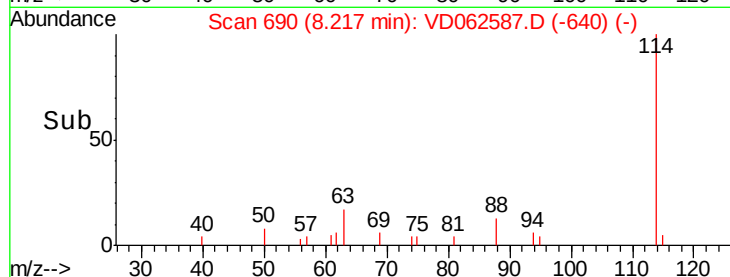
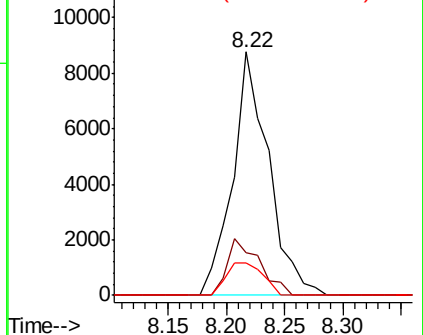
88 13.4 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 34.581 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

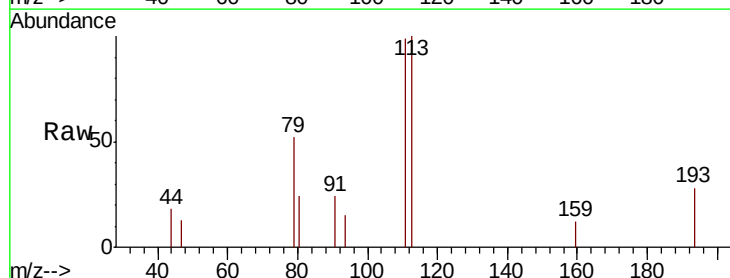
Tgt Ion:113 Resp: 5907

Ion Ratio Lower Upper

113 100

111 98.6 78.8 118.2

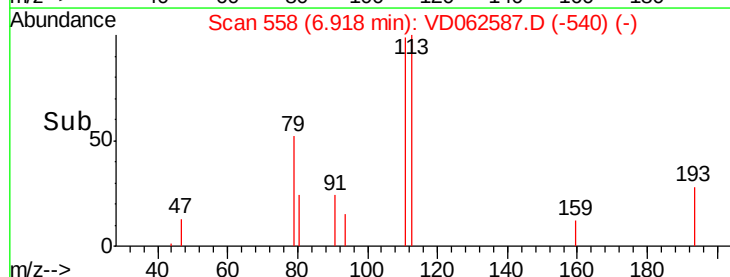
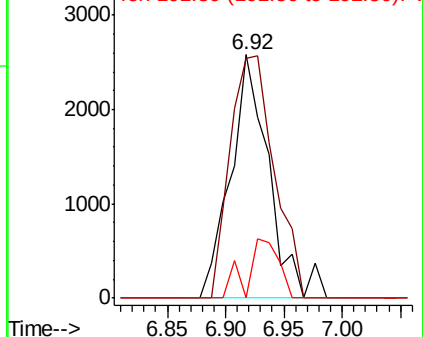
192 0.0 14.6 22.0#

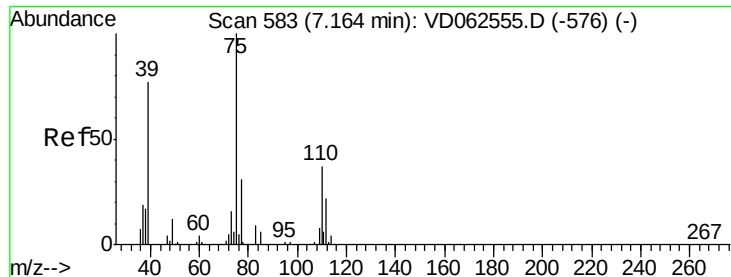


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 1.217 ug/l

RT: 7.09 min Scan# 576

Delta R.T. -0.07 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

Instrument :

MSVOA_D

ClientSampled :

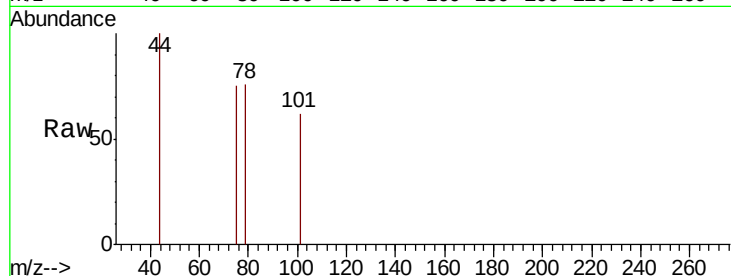
Tot Ion: 75 Resp: 227

Ion Ratio Lower Upper

75 100

110 0.0 18.3 54.8#

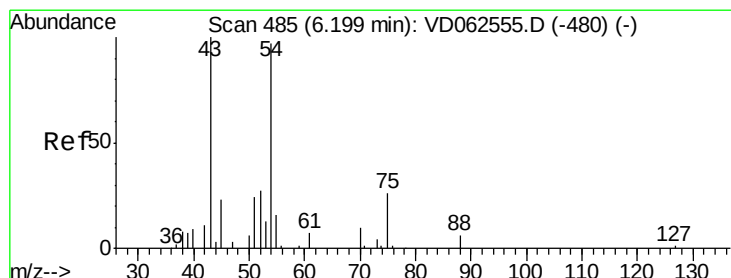
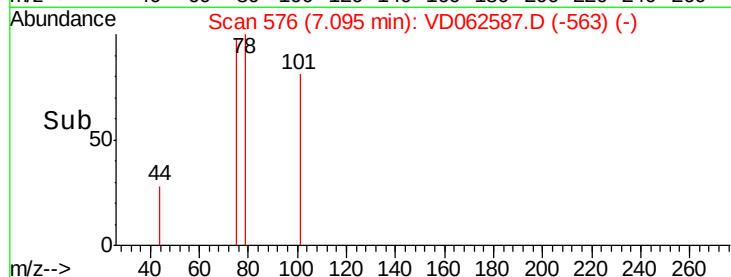
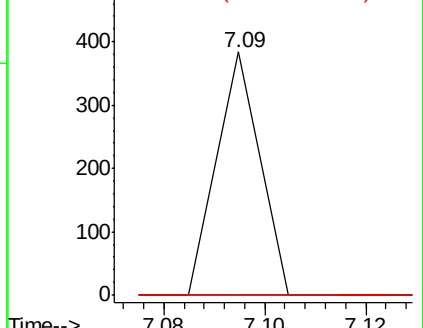
77 0.0 24.4 36.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 7.792 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.03 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

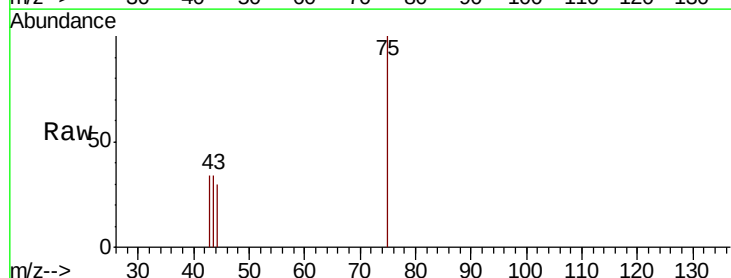
Tgt Ion: 43 Resp: 613

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

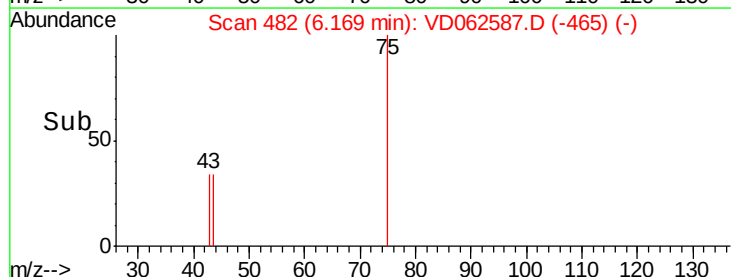
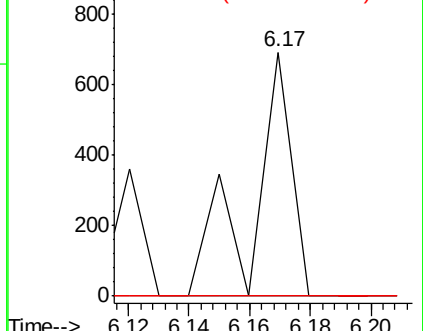
70 0.0 6.5 9.7#

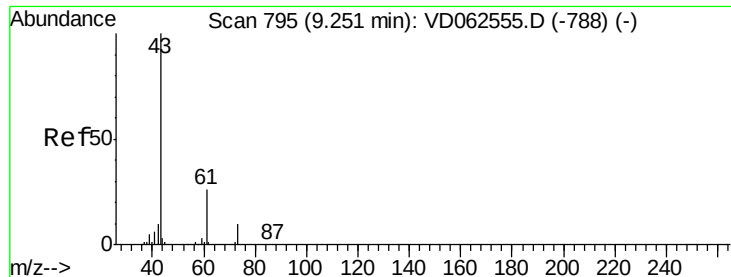


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#43

Isopropyl Acetate

Concen: 1.930 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.32 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

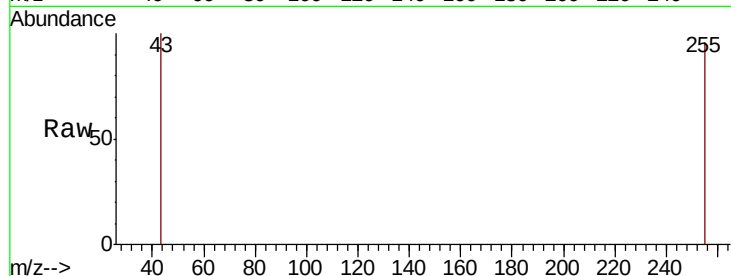
Tot Ion: 43 Resp: 189

Ion Ratio Lower Upper

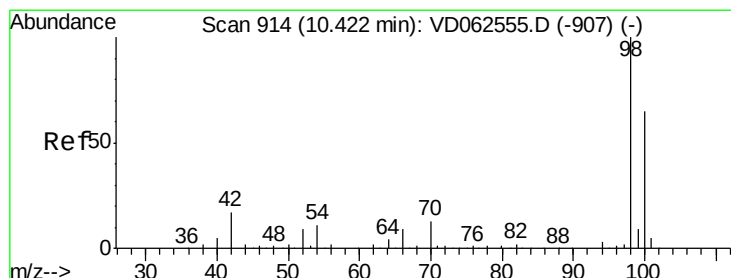
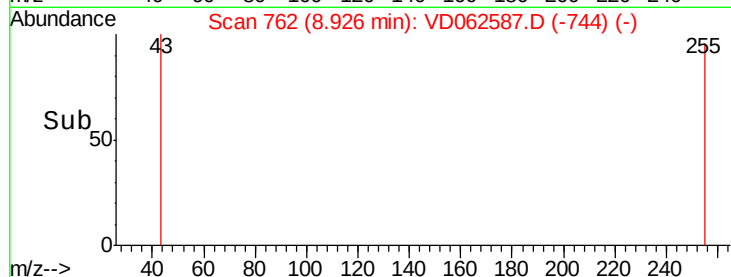
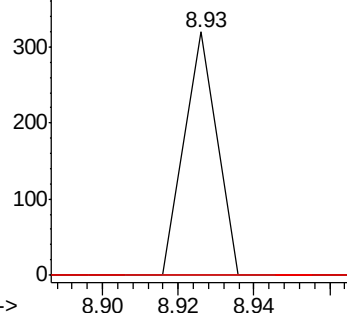
43 100

61 0.0 20.5 30.7#

87 0.0 0.2 0.2#



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



#50

Toluene-d8

Concen: 33.410 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062587.D

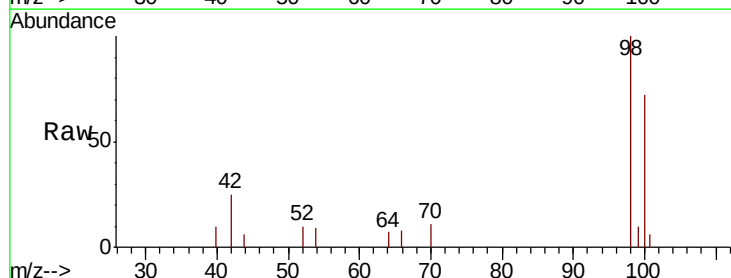
Acq: 3 Jun 2019 15:57

Tgt Ion: 98 Resp: 12504

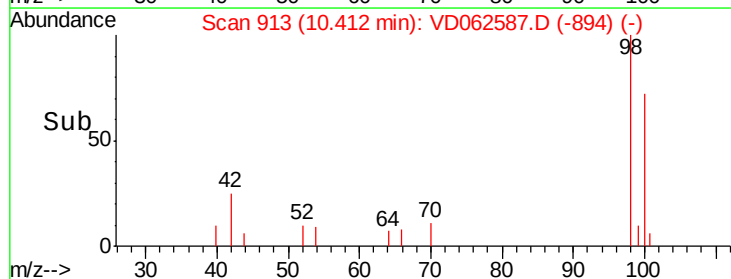
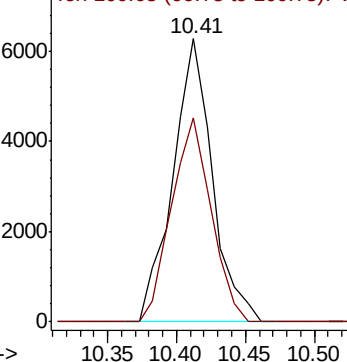
Ion Ratio Lower Upper

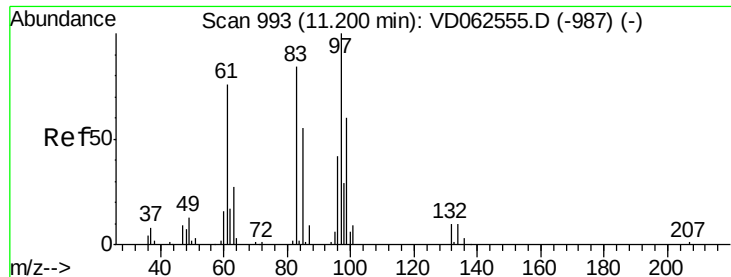
98 100

100 78.1 52.3 78.5



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





#55

1,1,2-Trichloroethane

Concen: 2.365 ug/l

RT: 11.22 min Scan# 995

Delta R.T. 0.02 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 97 Resp: 194

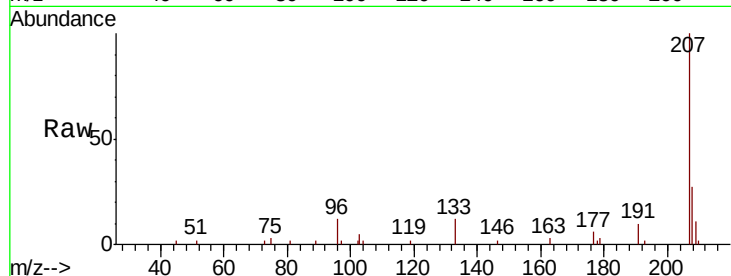
Ion Ratio Lower Upper

97 100

83 0.0 67.3 100.9#

85 0.0 43.8 65.8#

99 0.0 48.2 72.2#

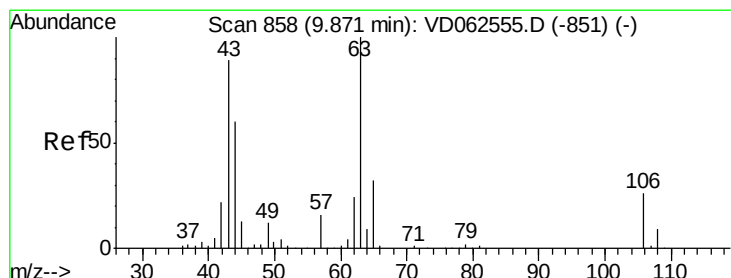
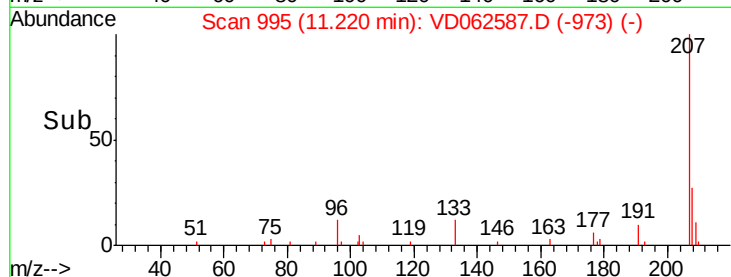
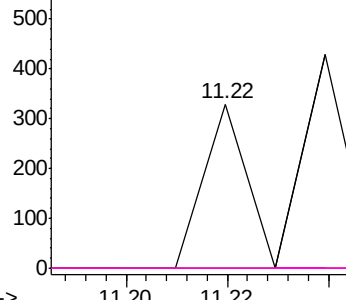


Abundance Ion 96.85 (96.55 to 97.55): VDC

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



#58

2-Chloroethyl Vinyl ether

Concen: 3.970 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.01 min

Lab File: VD062587.D

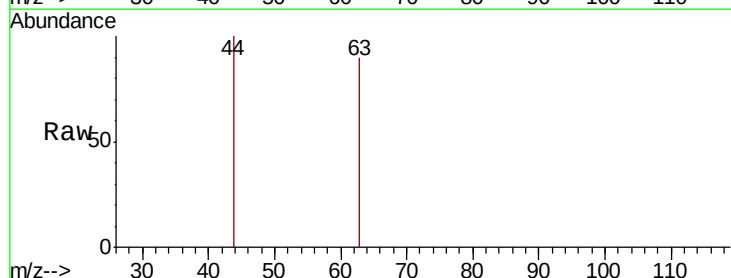
Acq: 3 Jun 2019 15:57

Tgt Ion: 63 Resp: 178

Ion Ratio Lower Upper

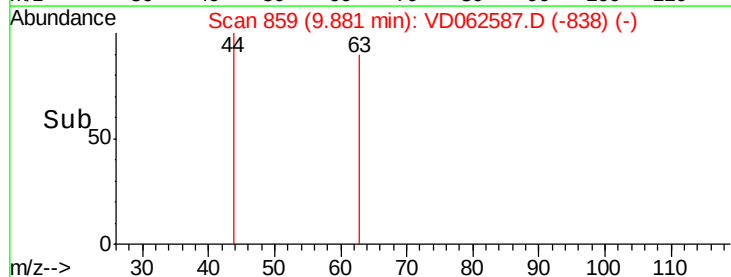
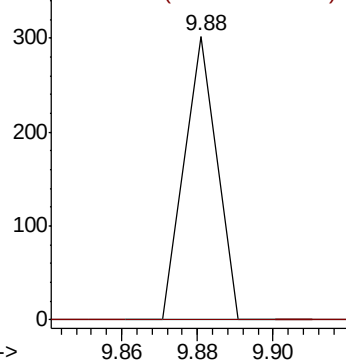
63 100

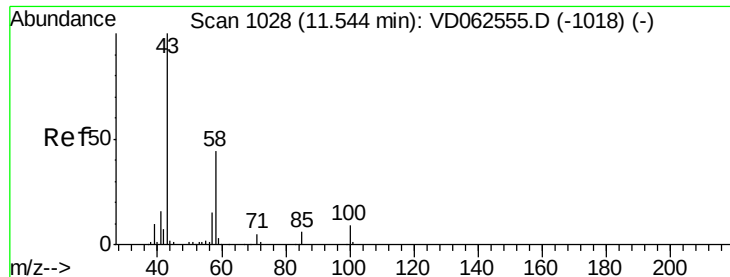
106 0.0 21.0 31.4#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

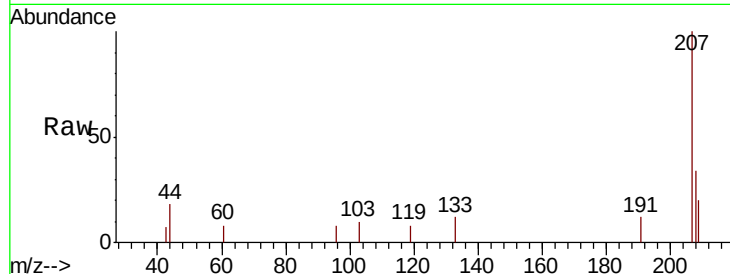




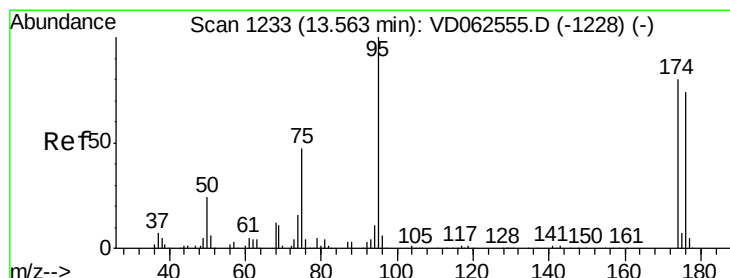
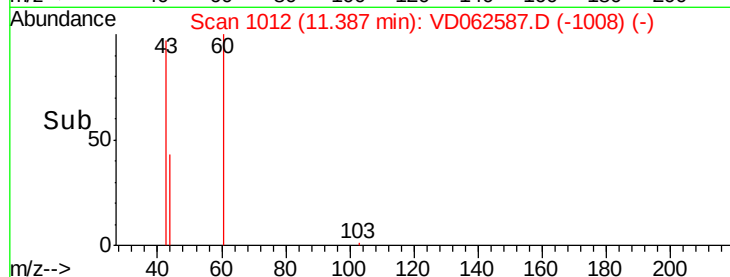
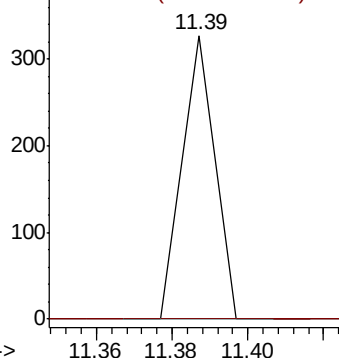
#59
2-Hexanone
Concen: 4.028 ug/l
RT: 11.39 min Scan# 1012
Delta R.T. -0.16 min
Lab File: VD062587.D
Acq: 3 Jun 2019 15:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 193
Ion Ratio Lower Upper
43 100
58 0.0 22.0 66.0#

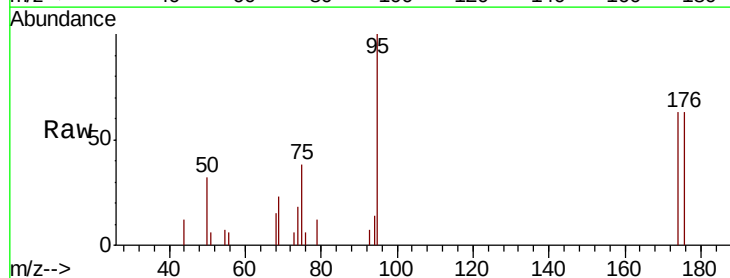


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

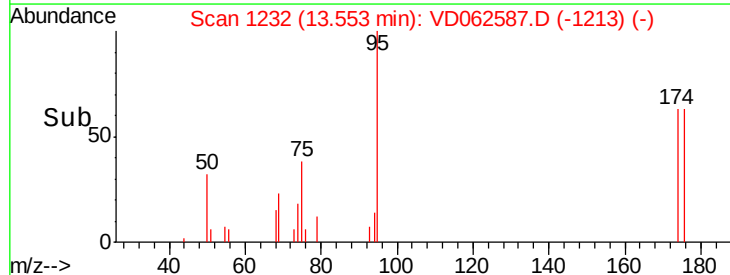
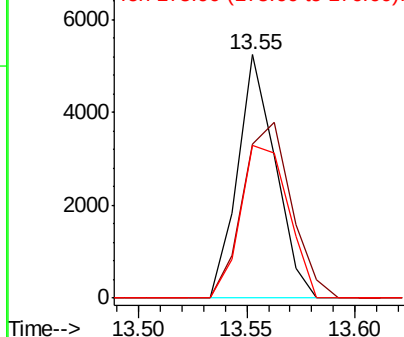


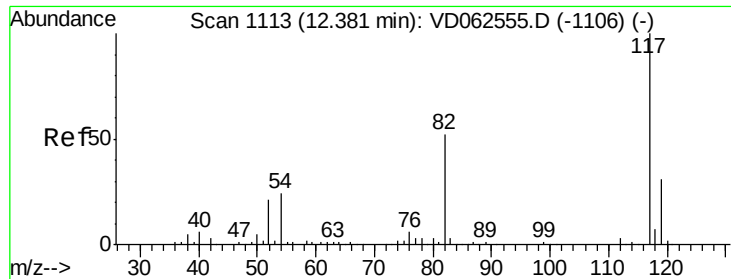
#62
4-Bromofluorobenzene
Concen: 37.729 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD062587.D
Acq: 3 Jun 2019 15:57

Tgt Ion: 95 Resp: 6368
Ion Ratio Lower Upper
95 100
174 63.0 0.0 160.2
176 62.5 0.0 148.0



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC

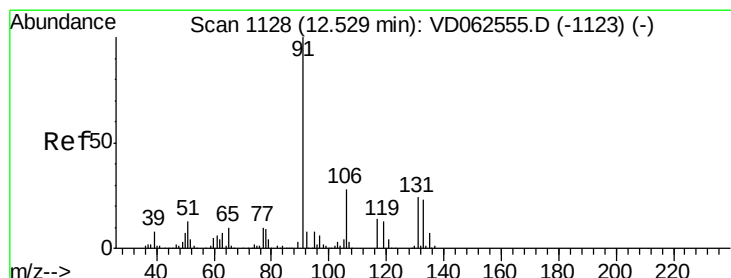
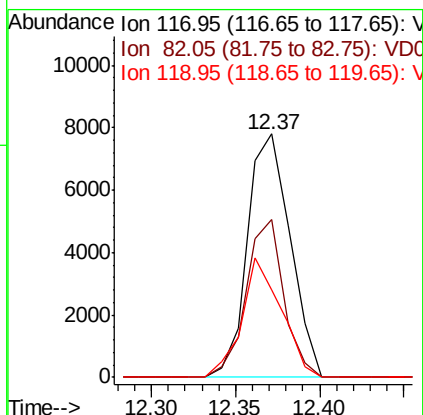
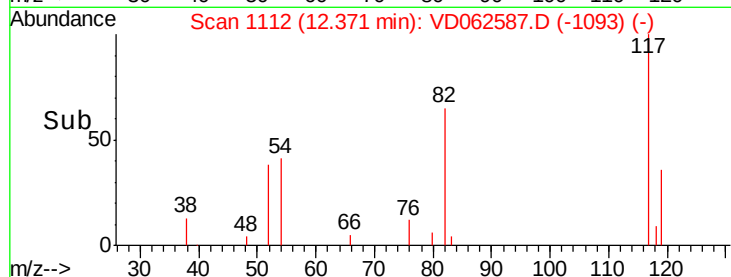
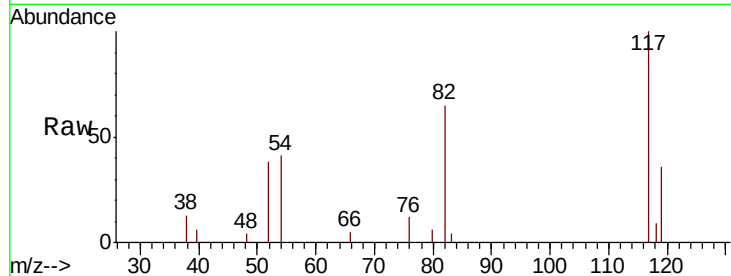




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062587.D
Acq: 3 Jun 2019 15:57

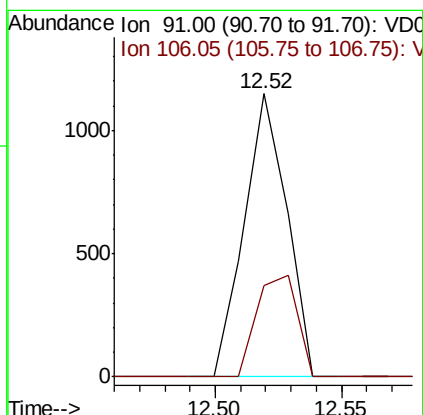
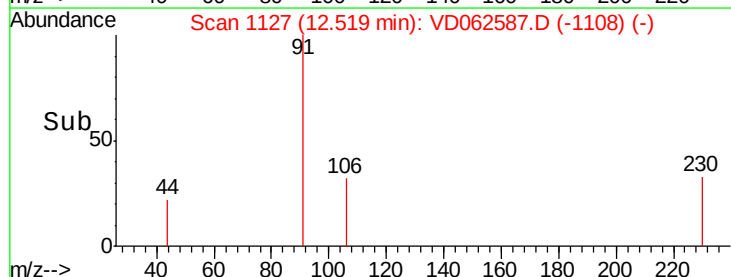
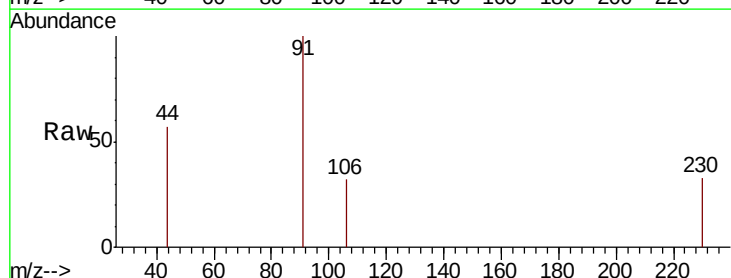
Instrument :
MSVOA_D
ClientSampleId :

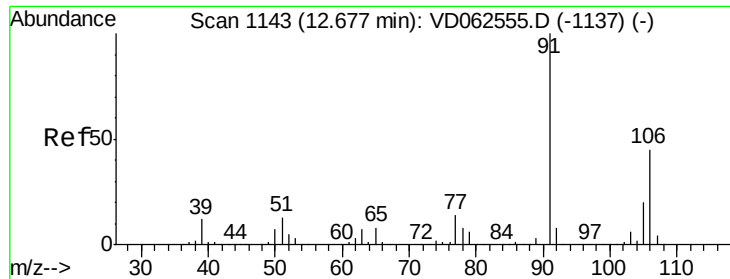
Tot Ion:117 Resp: 13712
Ion Ratio Lower Upper
117 100
82 64.8 41.4 62.2#
119 36.0 24.9 37.3



#67
Ethyl Benzene
Concen: 2.750 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062587.D
Acq: 3 Jun 2019 15:57

Tgt Ion: 91 Resp: 1346
Ion Ratio Lower Upper
91 100
106 32.2 22.2 33.2

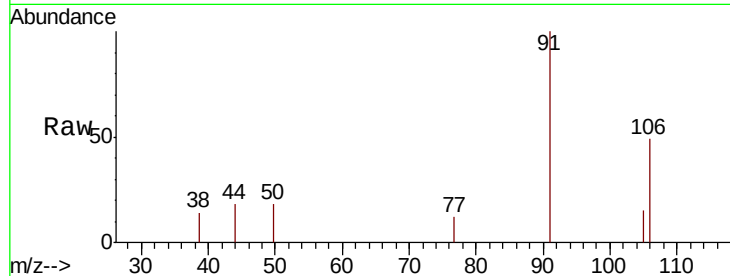




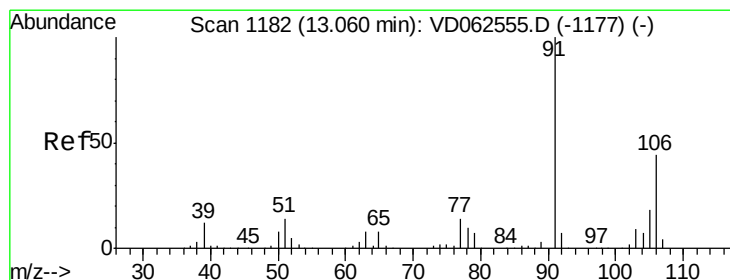
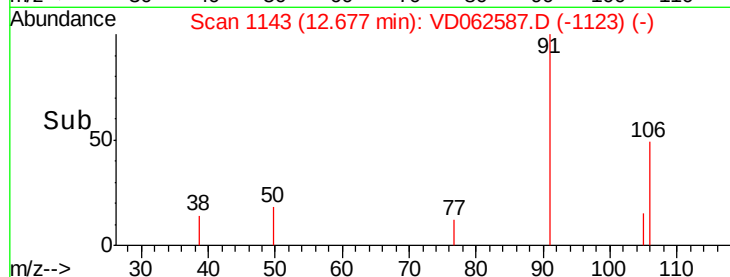
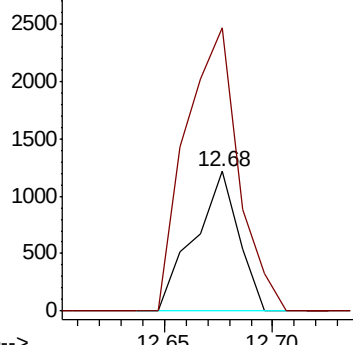
#68
m/p-Xylenes
Concen: 10.254 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD062587.D
Acq: 3 Jun 2019 15:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 1736
Ion Ratio Lower Upper
106 100
91 202.6 178.9 268.3

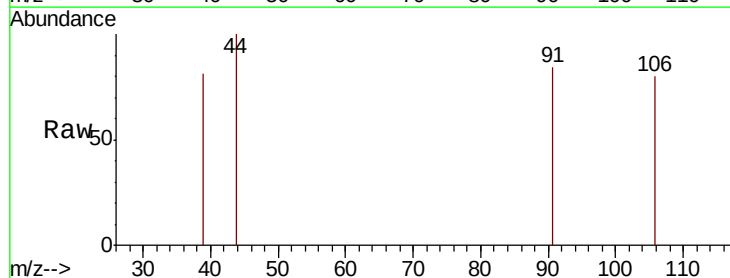


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

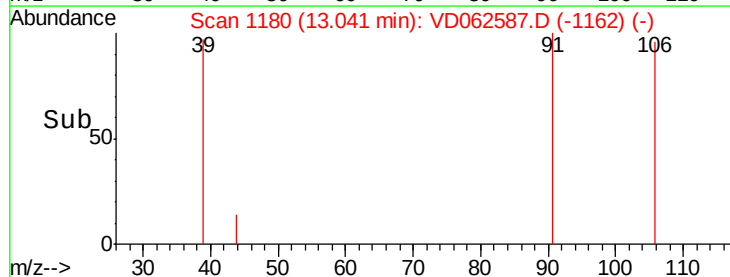
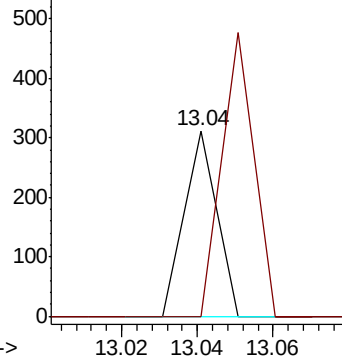


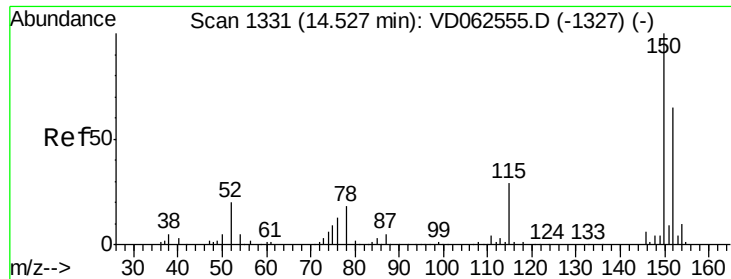
#69
o-Xylene
Concen: 1.139 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062587.D
Acq: 3 Jun 2019 15:57

Tgt Ion:106 Resp: 184
Ion Ratio Lower Upper
106 100
91 0.0 113.9 341.8#



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

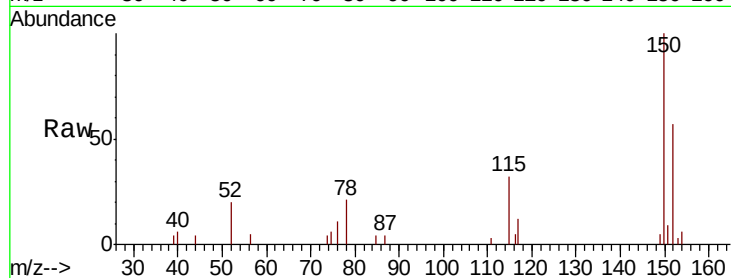




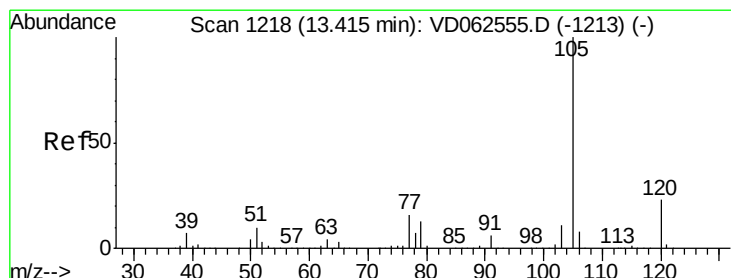
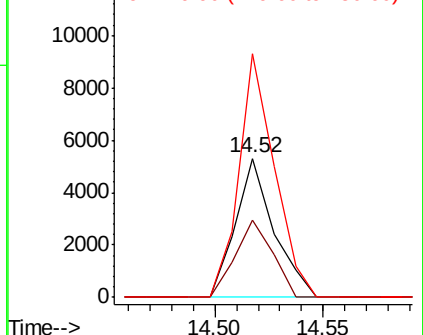
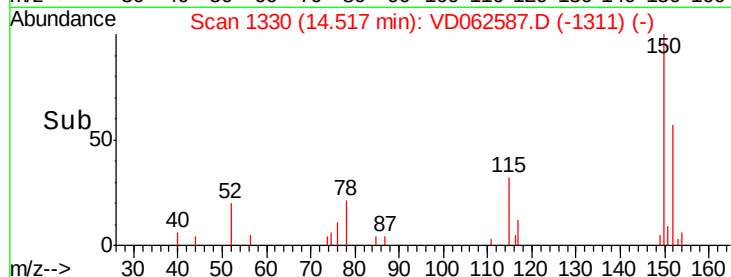
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD062587.D
 Acq: 3 Jun 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 6528
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.4 85.3
 150 175.1 0.0 310.4

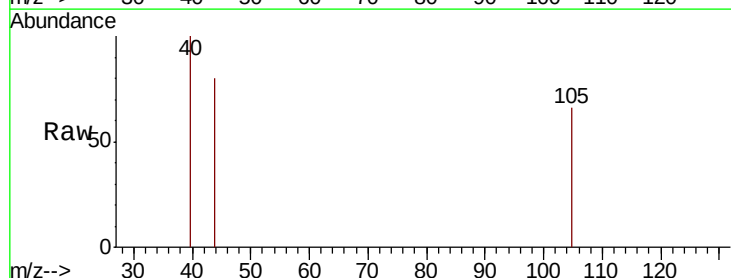


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

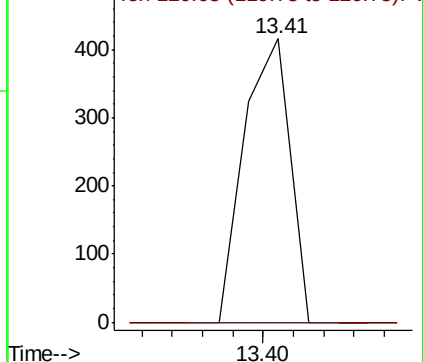
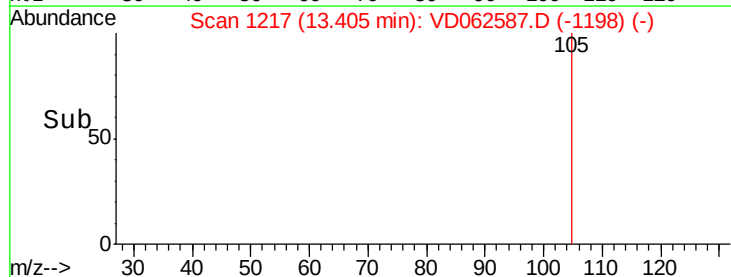


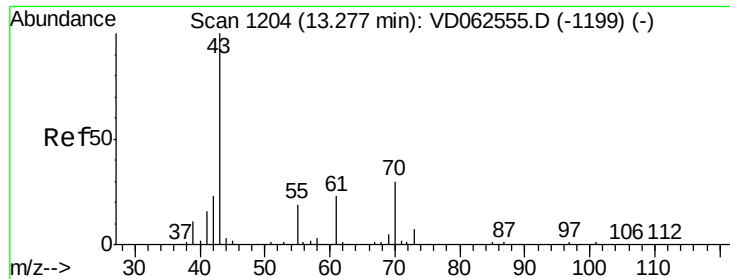
#73
 Isopropylbenzene
 Concen: 1.018 ug/l
 RT: 13.41 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VD062587.D
 Acq: 3 Jun 2019 15:57

Tgt Ion:105 Resp: 438
 Ion Ratio Lower Upper
 105 100
 120 0.0 11.6 34.8#



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





#74

N-amvl acetate

Concen: 1.731 ug/l

RT: 13.31 min Scan# 1207

Delta R.T. 0.03 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 190

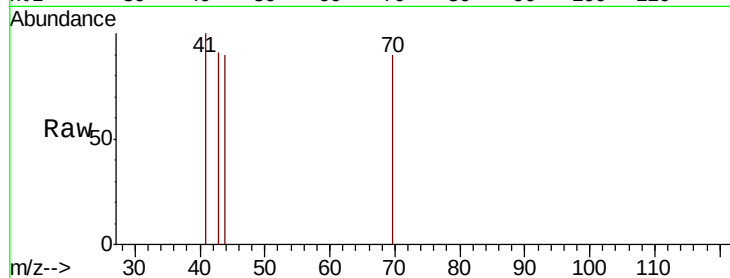
Ion Ratio Lower Upper

43 100

70 98.8 23.7 35.5#

55 0.0 15.0 22.4#

61 0.0 18.4 27.6#

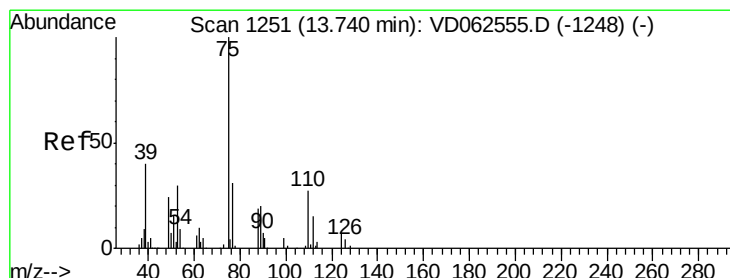
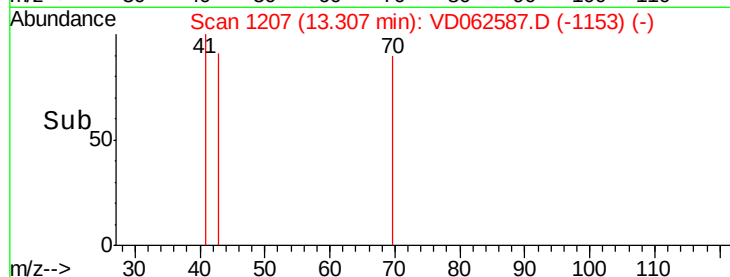
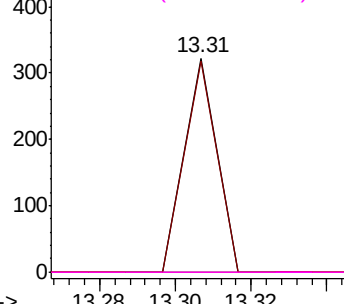


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#76

1,2,3-Trichloropropane

Concen: 2.286 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. -0.03 min

Lab File: VD062587.D

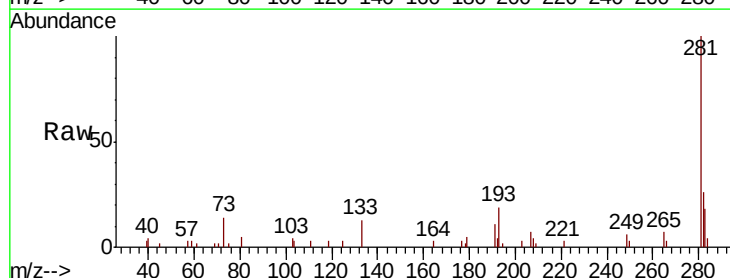
Acq: 3 Jun 2019 15:57

Tgt Ion: 75 Resp: 179

Ion Ratio Lower Upper

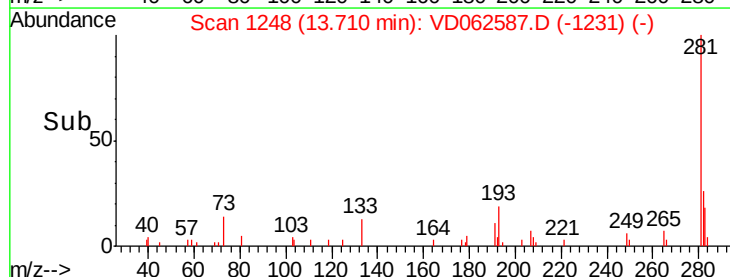
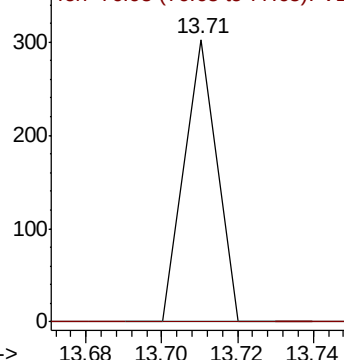
75 100

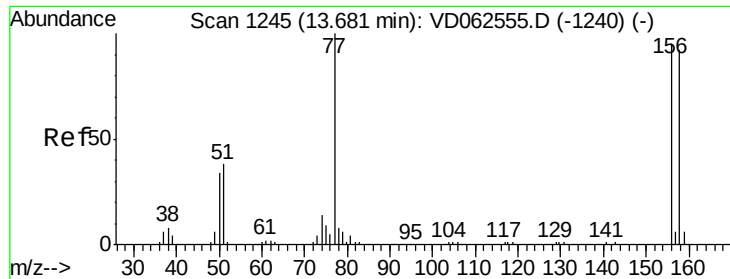
77 0.0 16.5 49.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 1.958 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

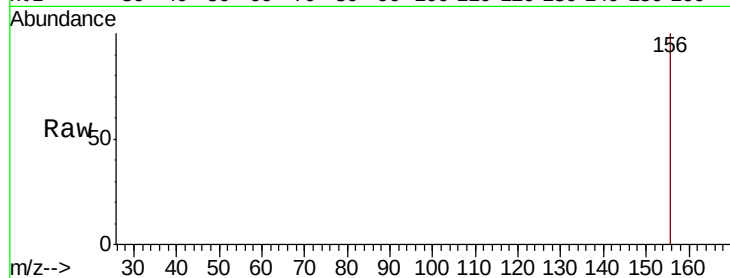
Tot Ion:156 Resp: 231

Ion Ratio Lower Upper

156 100

77 0.0 52.9 158.7#

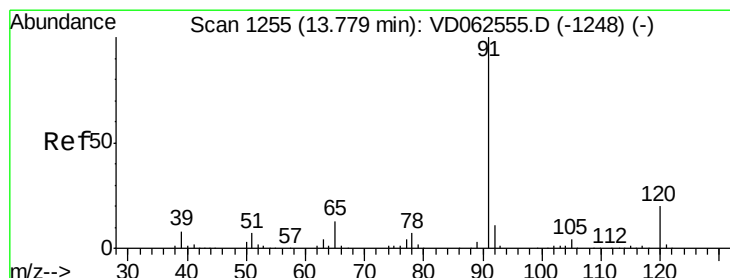
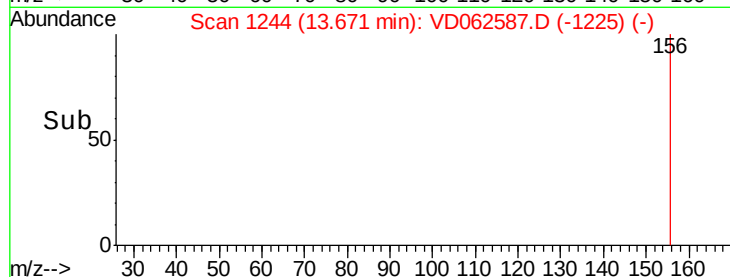
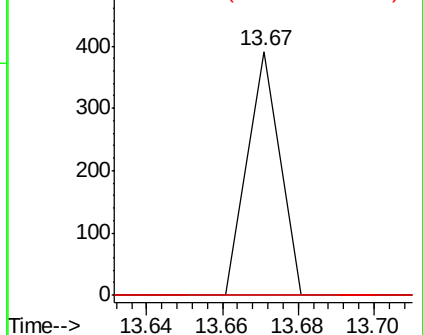
158 0.0 48.5 145.5#



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: 2.286 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062587.D

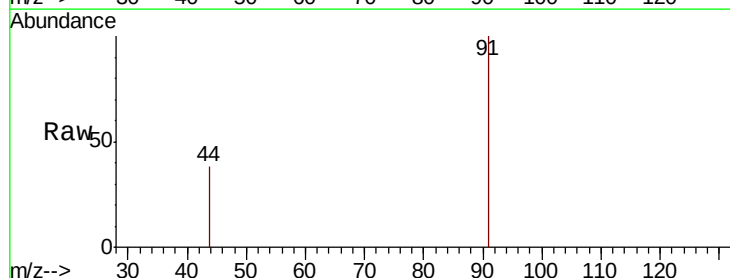
Acq: 3 Jun 2019 15:57

Tgt Ion: 91 Resp: 1134

Ion Ratio Lower Upper

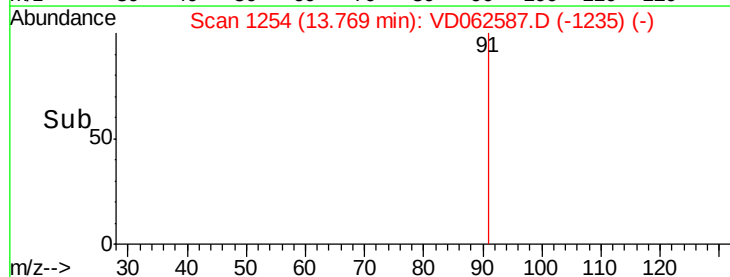
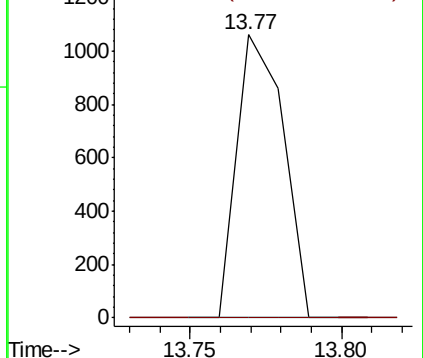
91 100

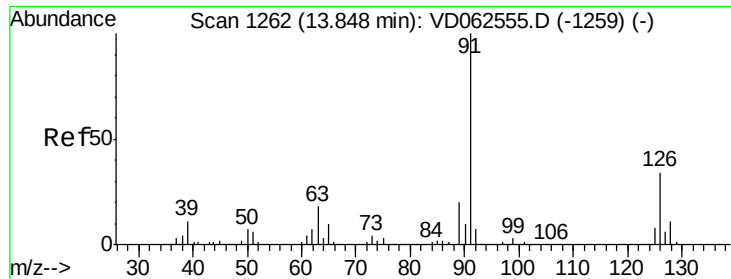
120 0.0 10.0 29.8#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 1.457 ug/l

RT: 13.86 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

Instrument :

MSVOA_D

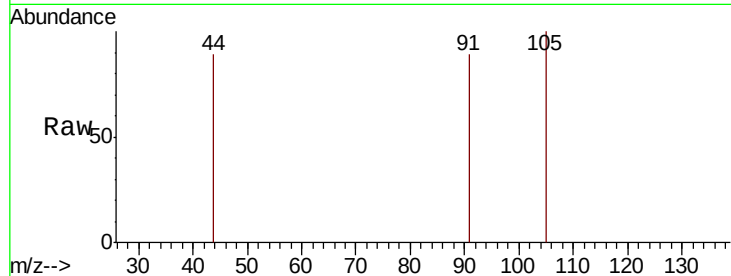
ClientSampleId :

Tot Ion: 91 Resp: 419

Ion Ratio Lower Upper

91 100

126 0.0 16.7 50.1#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

13.86

400

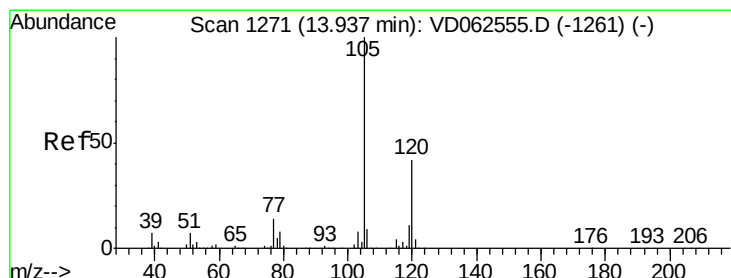
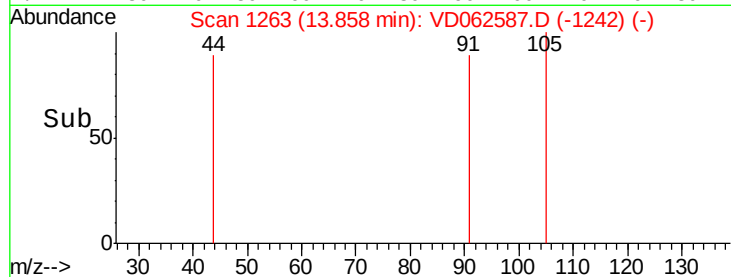
300

200

100

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.914 ug/l

RT: 13.88 min Scan# 1265

Delta R.T. -0.06 min

Lab File: VD062587.D

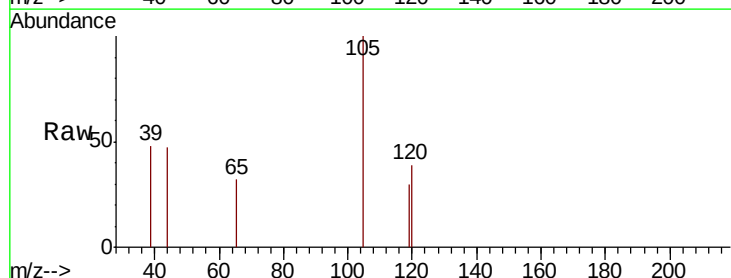
Acq: 3 Jun 2019 15:57

Tgt Ion: 105 Resp: 2175

Ion Ratio Lower Upper

105 100

120 39.0 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200

1000

800

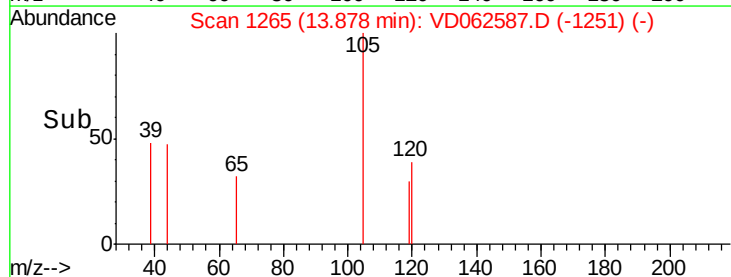
600

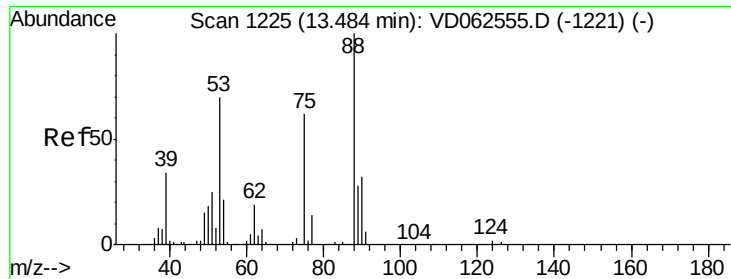
400

200

0

Time-->

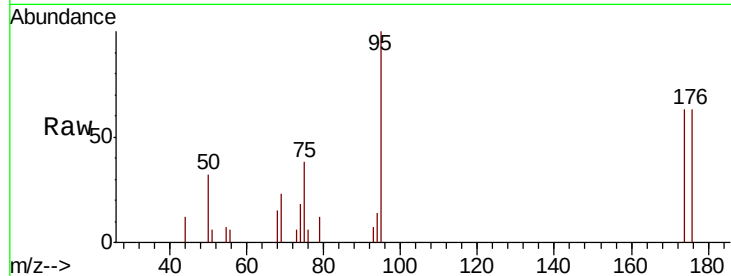




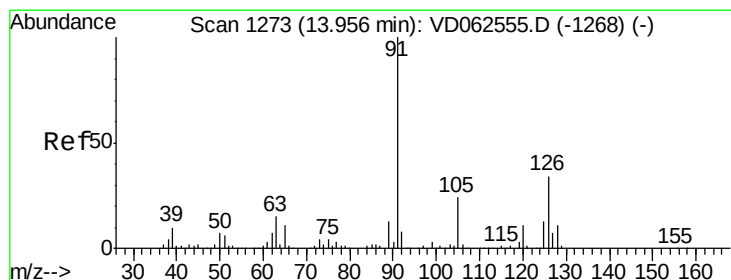
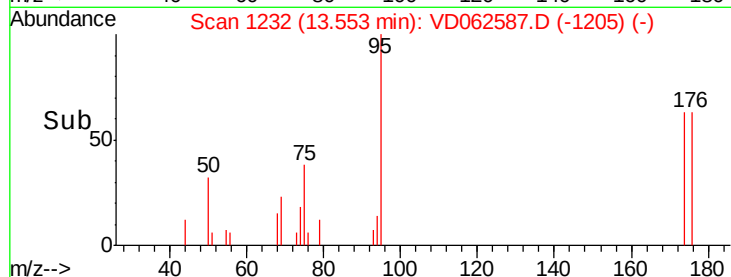
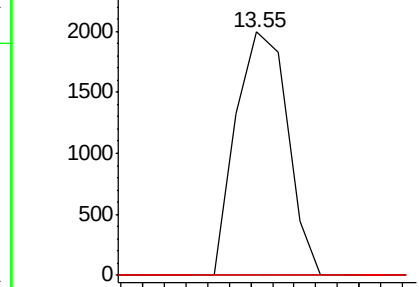
#81
trans-1,4-Dichloro-2-butene
Concen: 147.096 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.07 min
Lab File: VD062587.D
Acq: 3 Jun 2019 15:57

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 3301
Ion Ratio Lower Upper
75 100
53 0.0 91.0 136.4#
89 0.0 36.9 55.3#

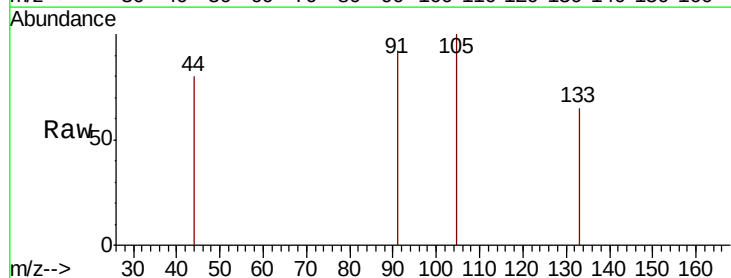


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

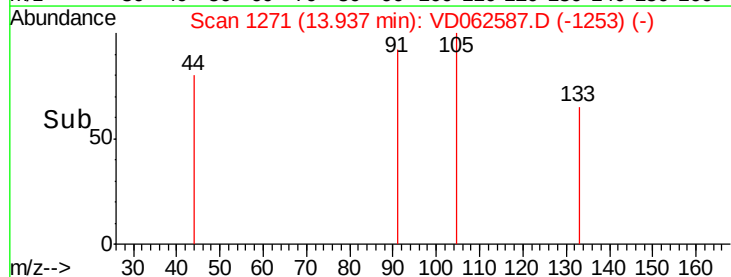
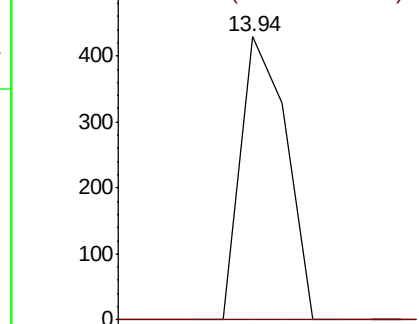


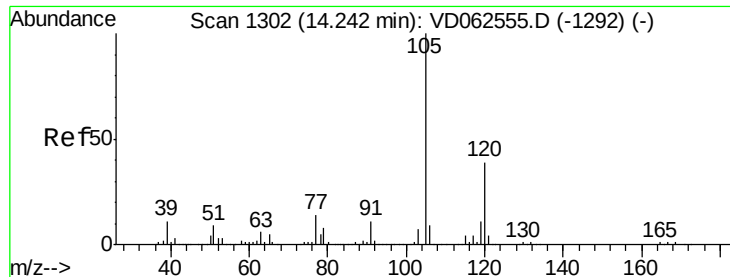
#82
4-Chlorotoluene
Concen: 1.301 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD062587.D
Acq: 3 Jun 2019 15:57

Tgt Ion: 91 Resp: 448
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

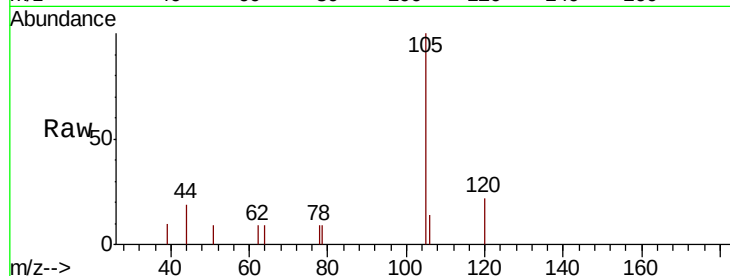




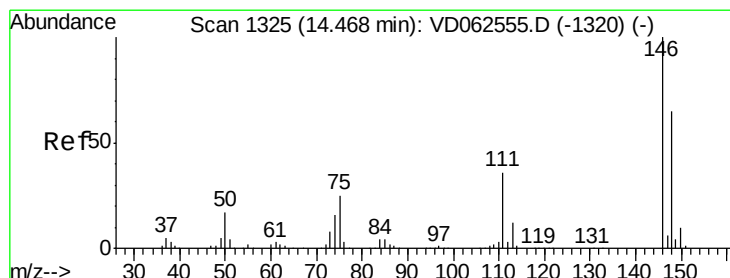
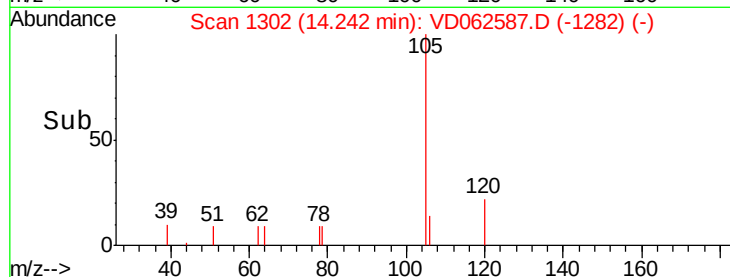
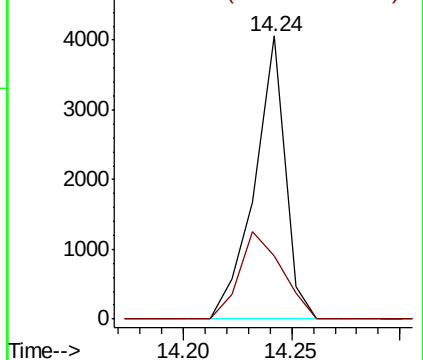
#84
 1,2,4-Trimethylbenzene
 Concen: 10.688 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062587.D
 Acq: 3 Jun 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 4005
 Ion Ratio Lower Upper
 105 100
 120 22.2 19.6 58.8

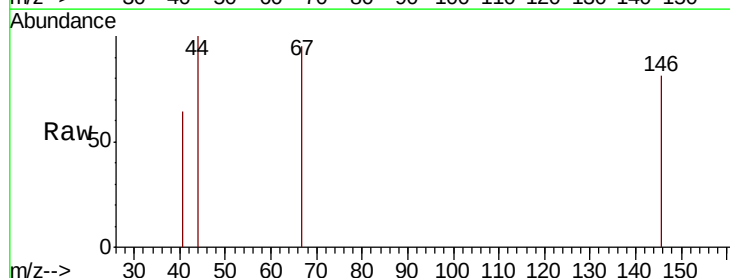


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

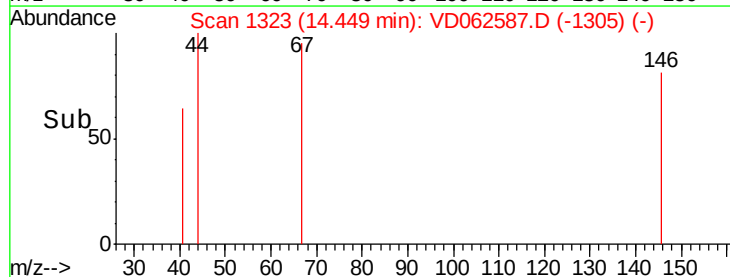
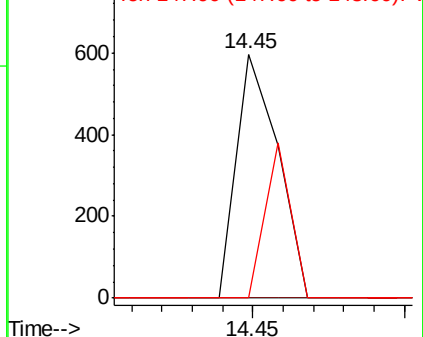


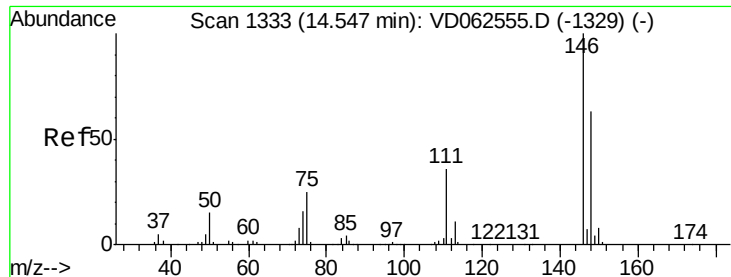
#87
 1,3-Dichlorobenzene
 Concen: 2.796 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD062587.D
 Acq: 3 Jun 2019 15:57

Tgt Ion:146 Resp: 572
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.1 54.4#
 148 0.0 32.3 96.9#



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





#88

1,4-Dichlorobenzene

Concen: 2.664 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VD062587.D

Acq: 3 Jun 2019 15:57

Instrument :

MSVOA_D

ClientSampleId :

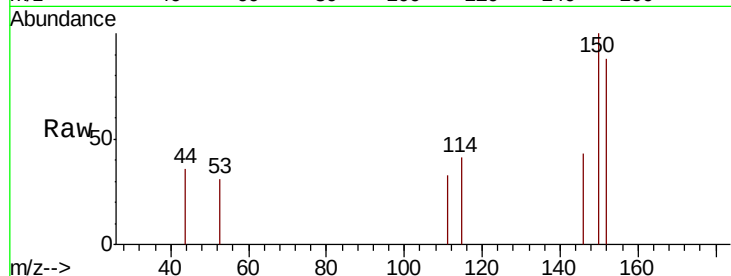
Tot Ion:146 Resp: 546

Ion Ratio Lower Upper

146 100

111 77.4 18.2 54.6#

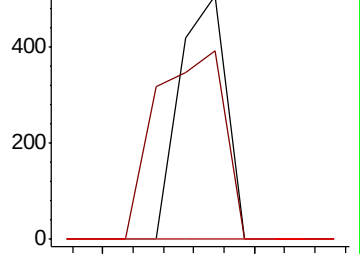
148 0.0 31.6 94.8#



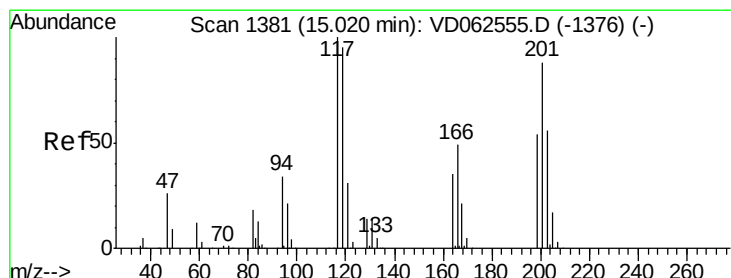
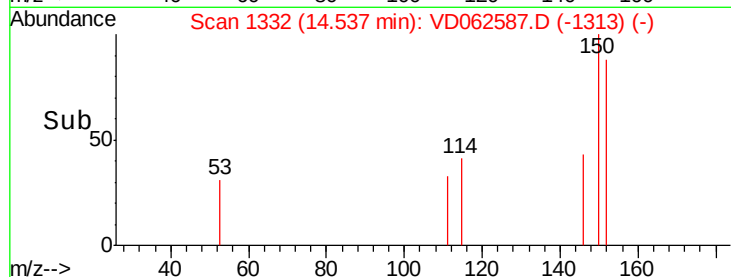
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#90

Hexachloroethane

Concen: 24.038 ug/l

RT: 15.14 min Scan# 1393

Delta R.T. 0.12 min

Lab File: VD062587.D

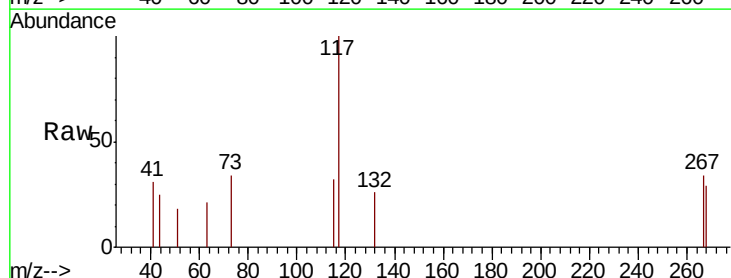
Acq: 3 Jun 2019 15:57

Tgt Ion:117 Resp: 2590

Ion Ratio Lower Upper

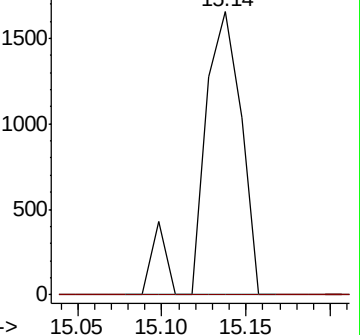
117 100

201 0.0 43.8 131.4#

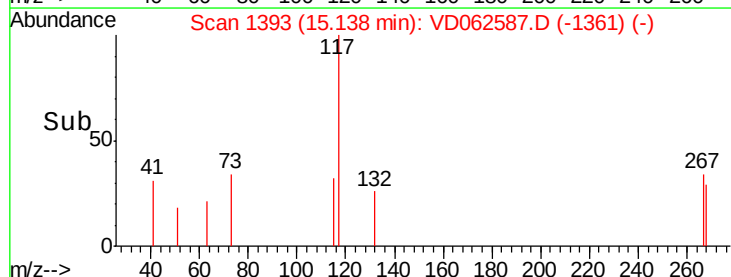


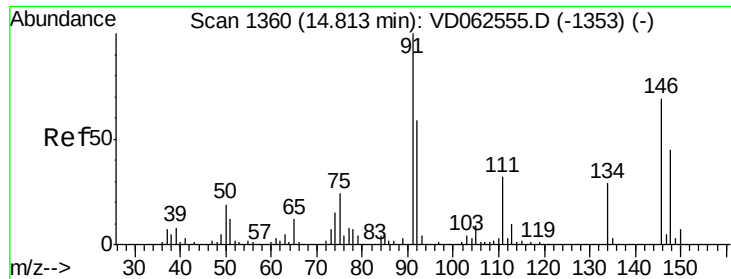
Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



Time-->

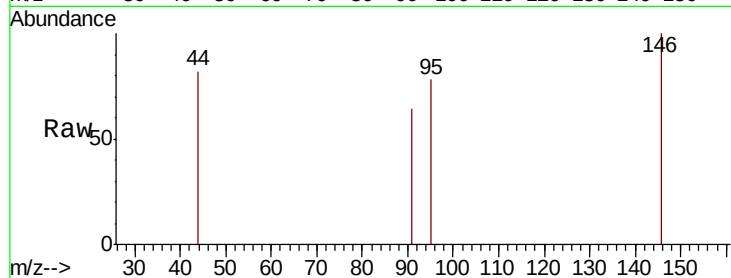




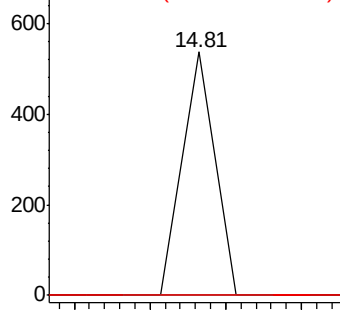
#91
 1,2-Dichlorobenzene
 Concen: 1.842 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062587.D
 Acq: 3 Jun 2019 15:57

Instrument :
 MSVOA_D
 ClientSampled :

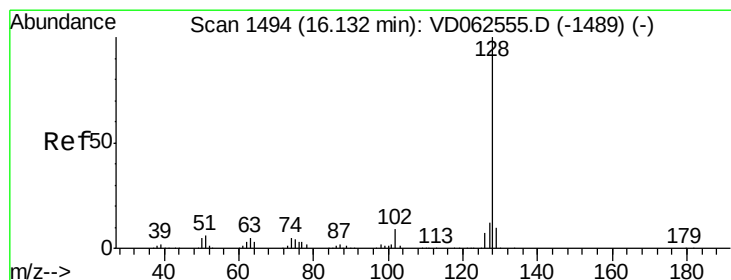
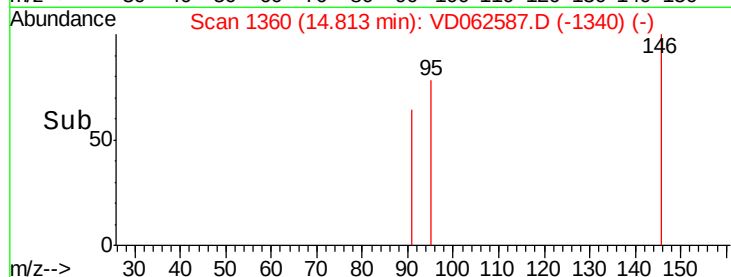
Tot Ion:146 Resp: 317
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.8 68.4#
 148 0.0 32.3 96.9#



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

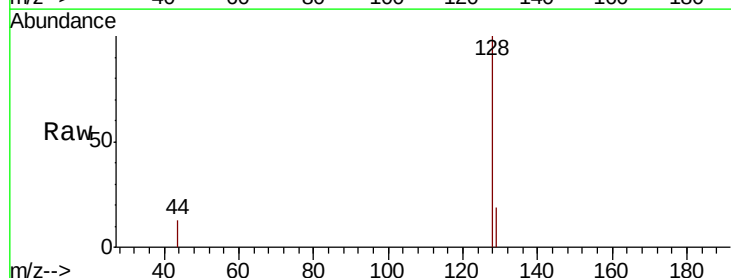


Time-->

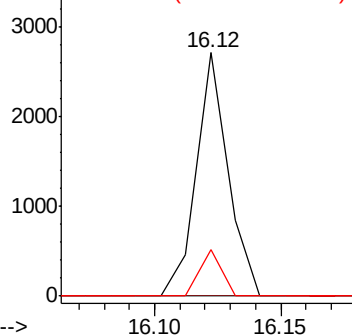


#95
 Naphthalene
 Concen: 12.686 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: VD062587.D
 Acq: 3 Jun 2019 15:57

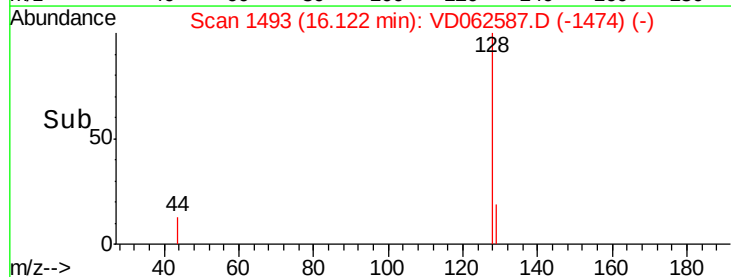
Tgt Ion:128 Resp: 2377
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.7 14.5#
 129 19.0 8.2 12.2#

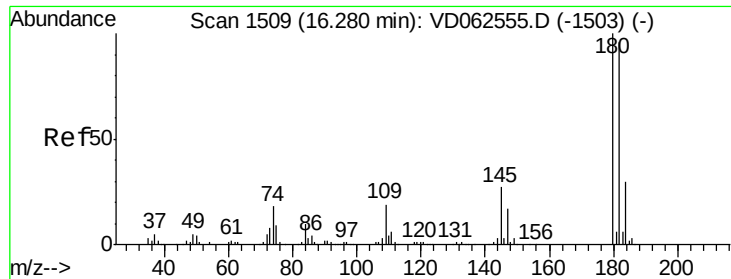


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 3.464 ug/l
 RT: 16.27 min Scan# 1508
 Delta R.T. -0.01 min
 Lab File: VD062587.D
 Acq: 3 Jun 2019 15:57

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.3#
145	0.0	13.3	39.9#

