

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
 Data File : VD063742.D
 Acq On : 22 Aug 2019 19:14
 Operator : JC/SY
 Sample : K4452-01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-CORNER-3

Quant Time: Aug 23 07:00:36 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	98873	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.23	114	176326	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	158301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	60075	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	146101	138.24	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	276.48%	
35) Dibromofluoromethane	6.93	113	116536	78.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	156.94%	
50) Toluene-d8	10.41	98	184664	56.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.12%	
62) 4-Bromofluorobenzene	13.55	95	73561	49.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.42%	

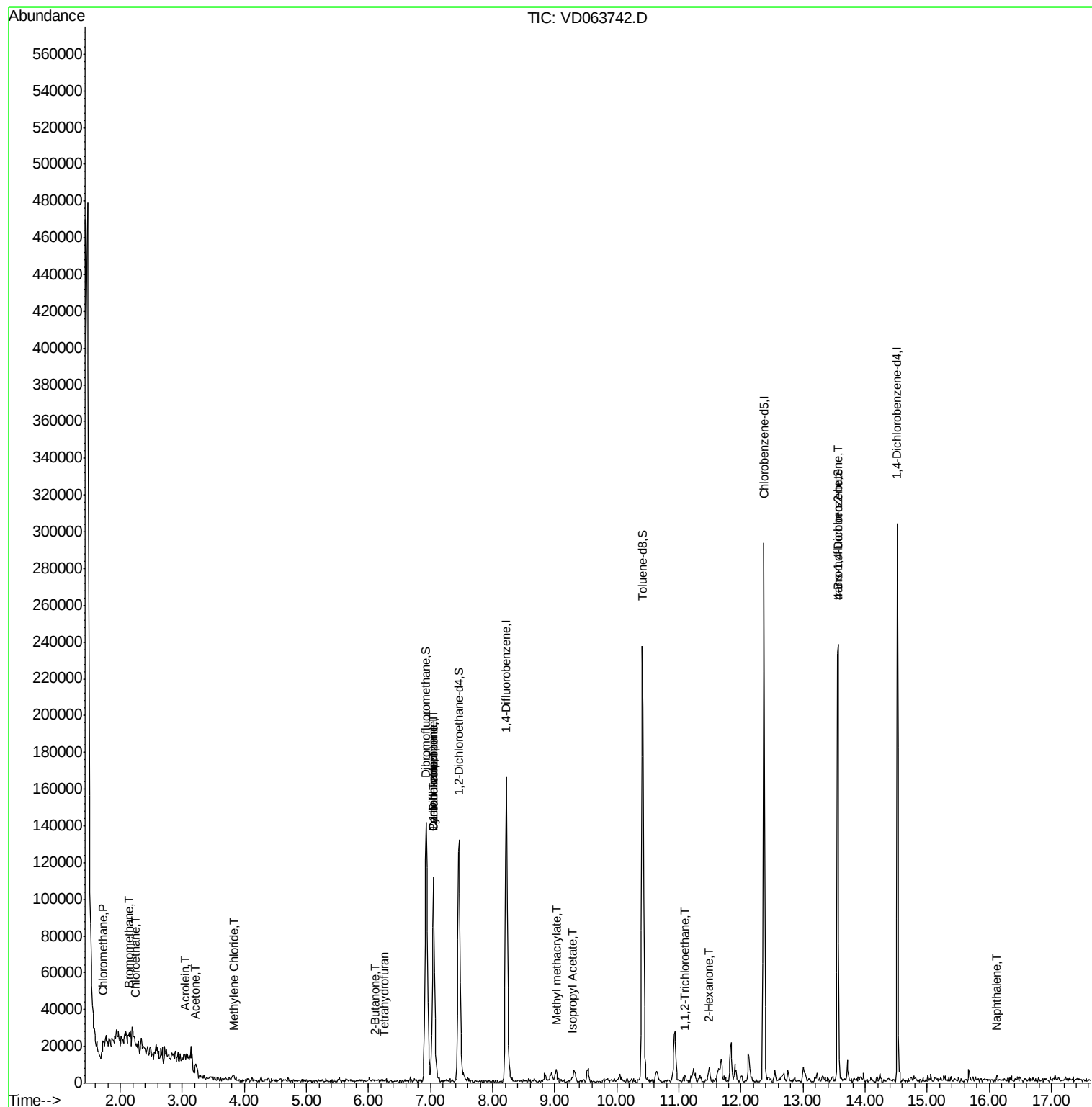
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.74	50	1323	1.416	ug/l #	41
5) Bromomethane	2.13	94	1919	4.384	ug/l #	11
6) Chloroethane	2.25	64	737	1.737	ug/l #	2
13) Acrolein	3.05	56	198	4.372	ug/l #	1
16) Acetone	3.21	43	11421	53.160	ug/l #	65
20) Methylene Chloride	3.82	84	1089	1.172	ug/l #	85
25) 2-Butanone	6.09	43	1346	6.344	ug/l #	58
29) Tetrahydrofuran	6.25	42	568	5.745	ug/l #	35
31) Cyclohexane	7.05	56	2213	2.319	ug/l #	13
36) 1,1-Dichloropropene	7.05	75	7463	4.788	ug/l #	42
38) Carbon Tetrachloride	7.05	117	8548	3.639	ug/l #	13
43) Isopropyl Acetate	9.27	43	959	1.096	ug/l #	48
48) Methyl methacrylate	9.02	41	2539	4.280	ug/l #	52
55) 1,1,2-Trichloroethane	11.09	97	2079	2.786	ug/l #	17
59) 2-Hexanone	11.49	43	3688	8.467	ug/l #	30
81) trans-1,4-Dichloro-2-buten	13.55	75	32028	172.836	ug/l #	1
95) Naphthalene	16.12	128	2050	1.147	ug/l #	80

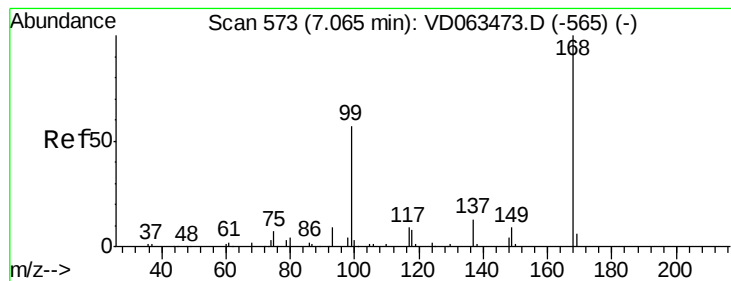
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063742.D

Acq: 22 Aug 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

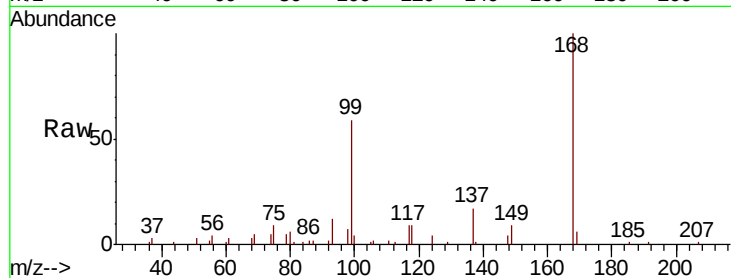
S-CORNER-3

Tgt Ion:168 Resp: 98873

Ion Ratio Lower Upper

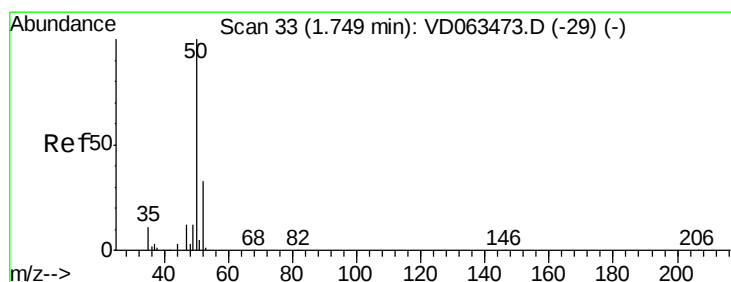
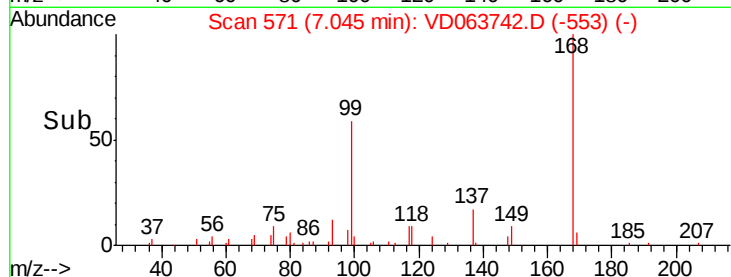
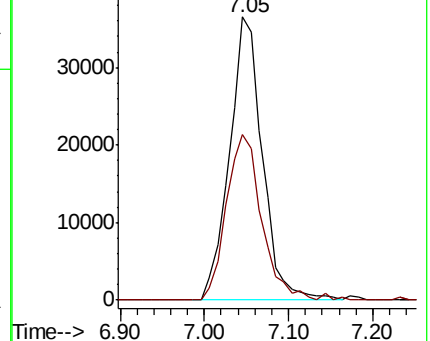
168 100

99 58.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 1.416 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063742.D

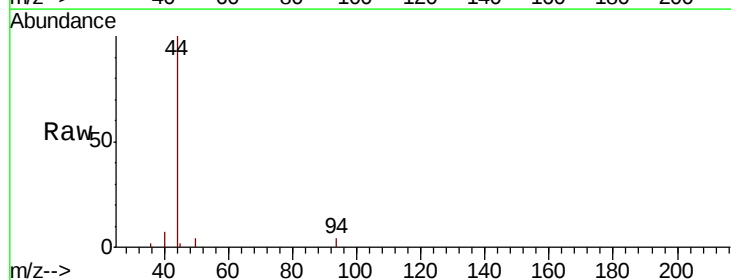
Acq: 22 Aug 2019 19:14

Tgt Ion: 50 Resp: 1323

Ion Ratio Lower Upper

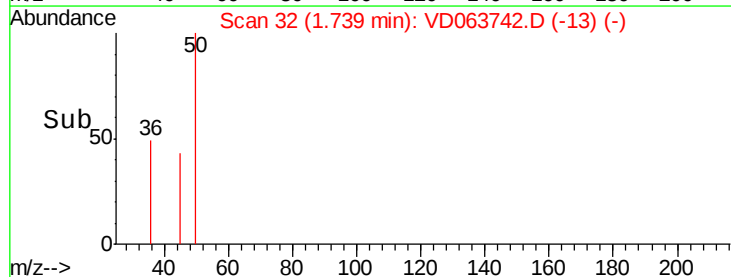
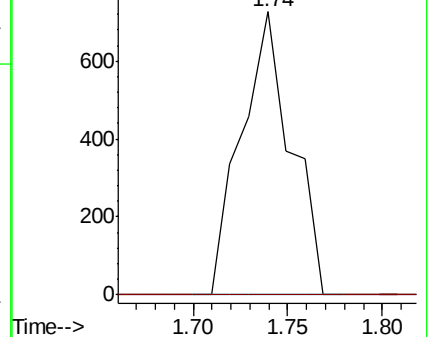
50 100

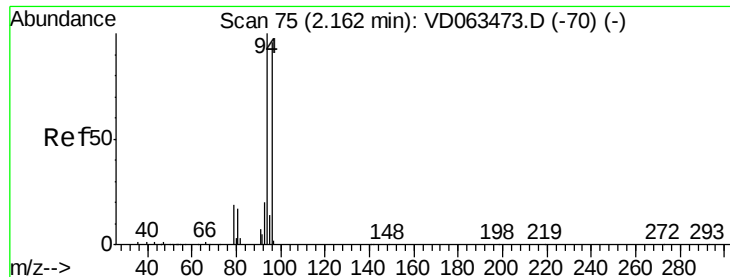
52 0.0 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 4.384 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD063742.D

Acq: 22 Aug 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

S-CORNER-3

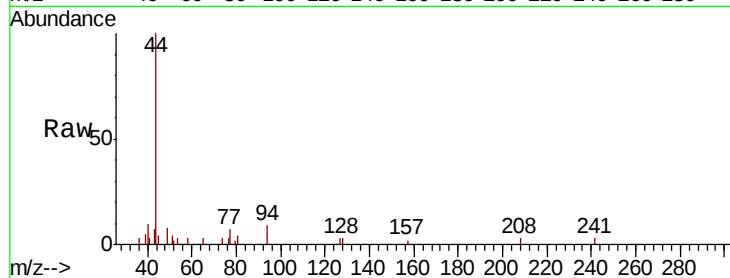
Tgt Ion: 94 Resp: 1919

Ion Ratio Lower Upper

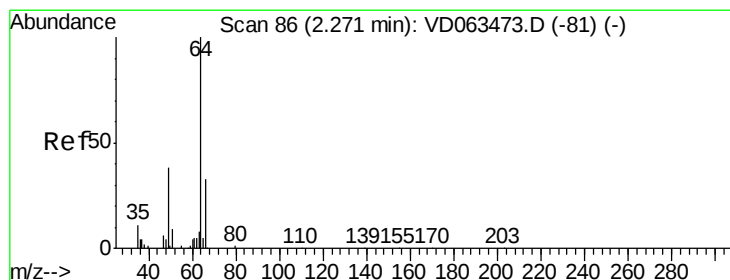
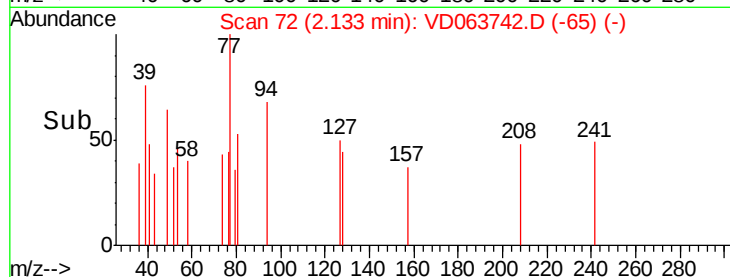
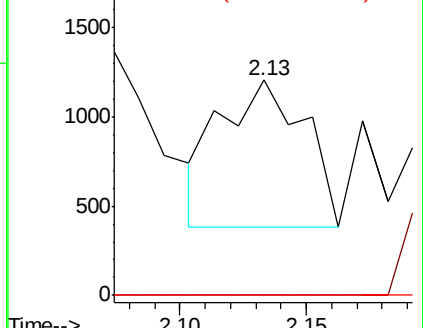
94 100

96 0.0 76.5 114.7#

93 0.0 15.8 23.8#



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



#6

Chloroethane

Concen: 1.737 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD063742.D

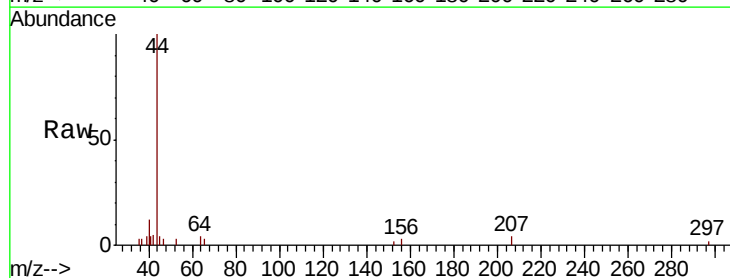
Acq: 22 Aug 2019 19:14

Tgt Ion: 64 Resp: 737

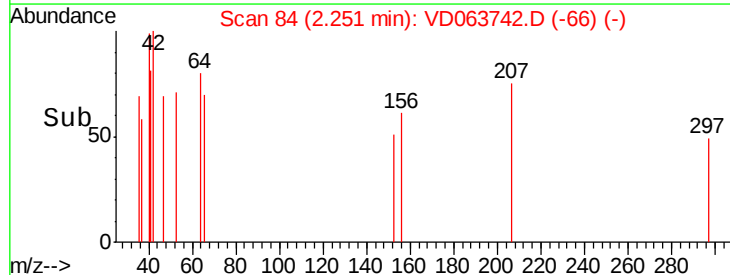
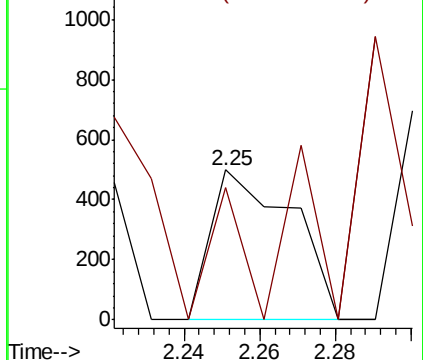
Ion Ratio Lower Upper

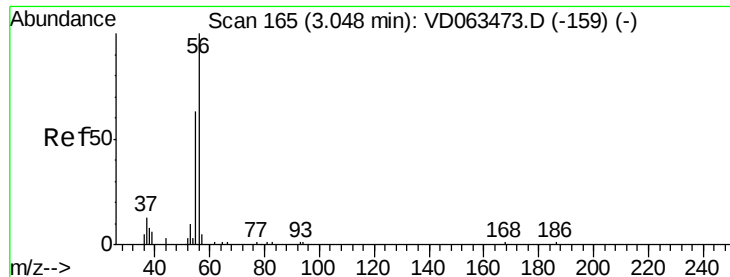
64 100

66 88.4 26.3 39.5#



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





#13

Acrolein

Concen: 4.372 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD063742.D

Acq: 22 Aug 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

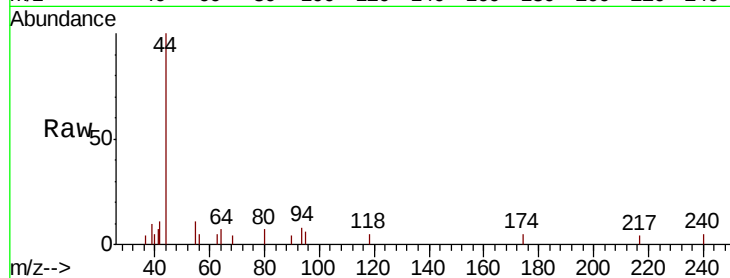
S-CORNER-3

Tgt Ion: 56 Resp: 198

Ion Ratio Lower Upper

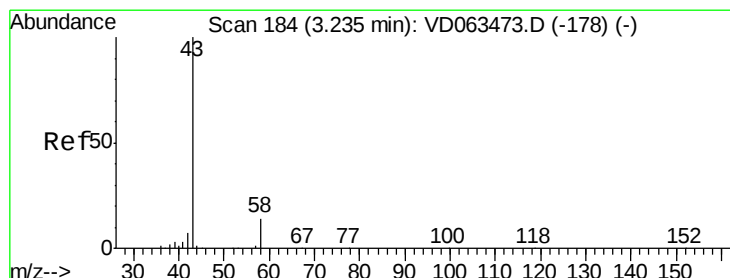
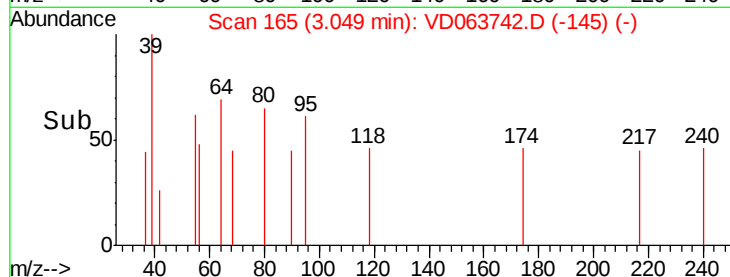
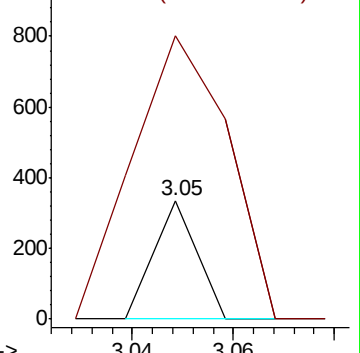
56 100

55 239.1 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 53.160 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063742.D

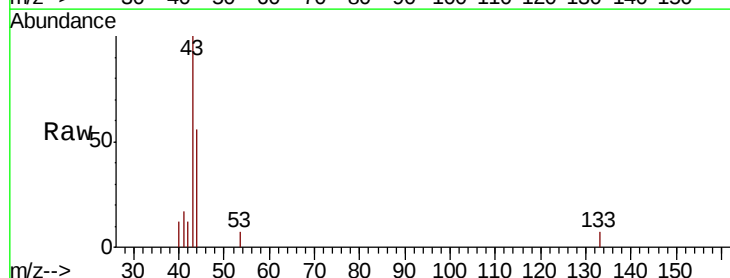
Acq: 22 Aug 2019 19:14

Tgt Ion: 43 Resp: 11421

Ion Ratio Lower Upper

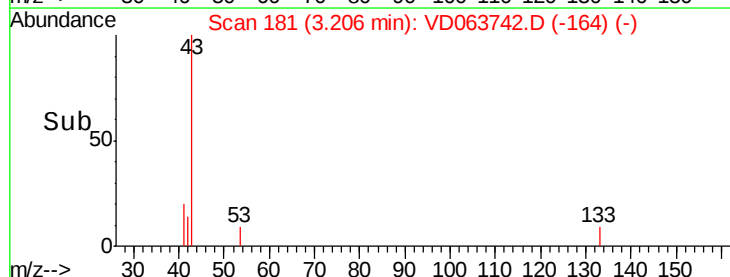
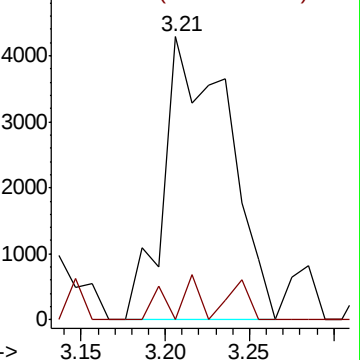
43 100

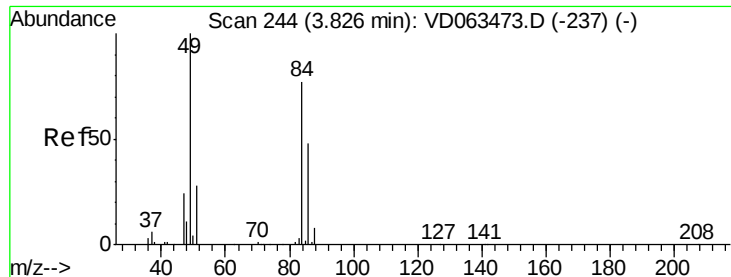
58 0.0 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

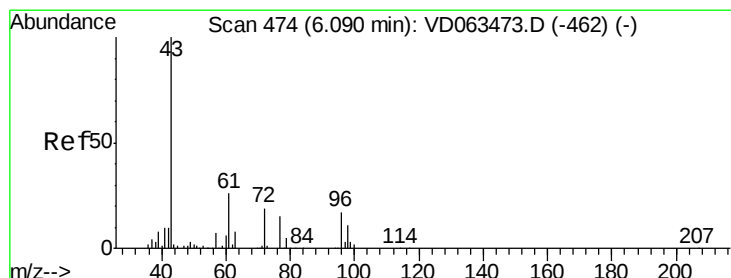
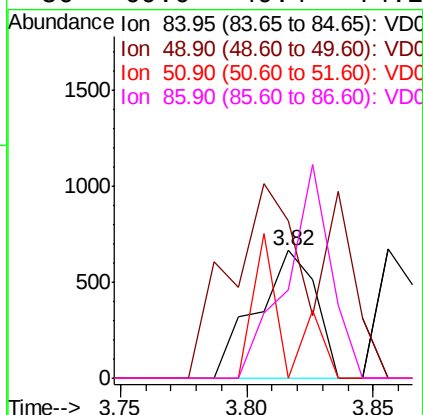
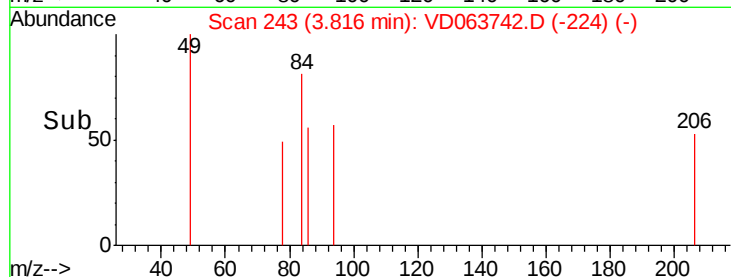
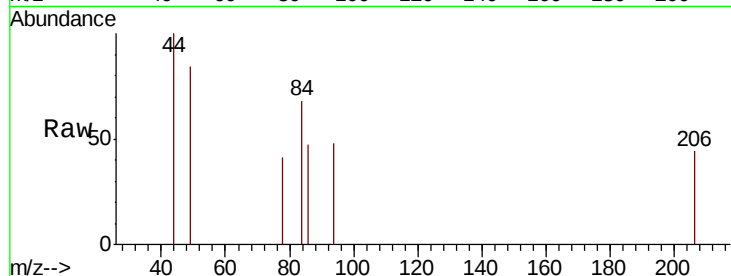




#20
Methylene Chloride
Concen: 1.172 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063742.D
Acq: 22 Aug 2019 19:14

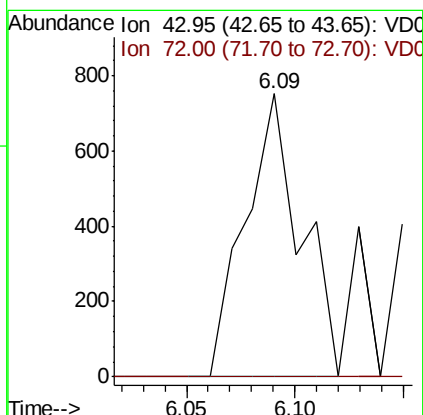
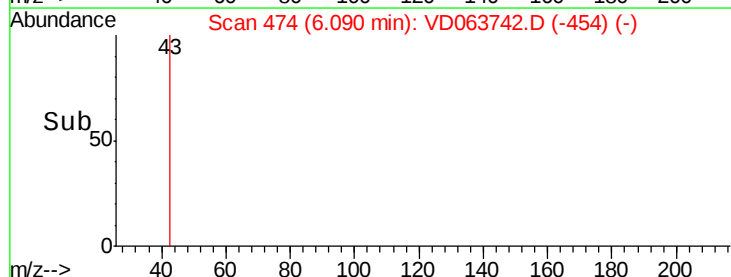
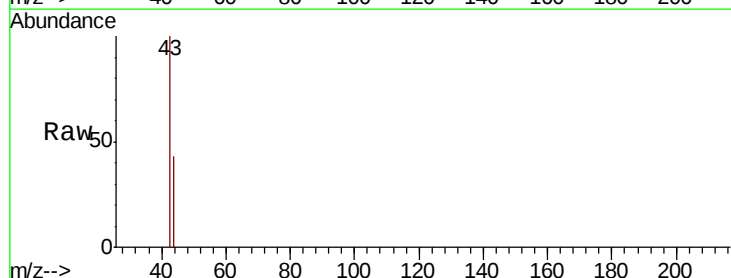
Instrument :
MSVOA_D
ClientSampleId :
S-CORNER-3

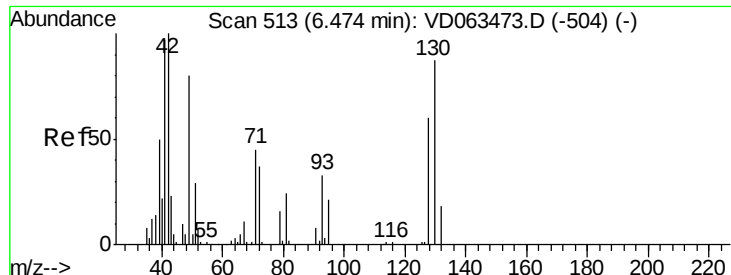
Tgt Ion: 84 Resp: 1089
Ion Ratio Lower Upper
84 100
49 123.3 103.4 155.2
51 0.0 28.5 42.7#
86 69.0 49.4 74.2



#25
2-Butanone
Concen: 6.344 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD063742.D
Acq: 22 Aug 2019 19:14

Tgt Ion: 43 Resp: 1346
Ion Ratio Lower Upper
43 100
72 0.0 15.1 22.7#





#29

Tetrahydrofuran

Concen: 5.745 ug/l

RT: 6.25 min Scan# 490

Delta R.T. -0.23 min

Lab File: VD063742.D

Acq: 22 Aug 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

S-CORNER-3

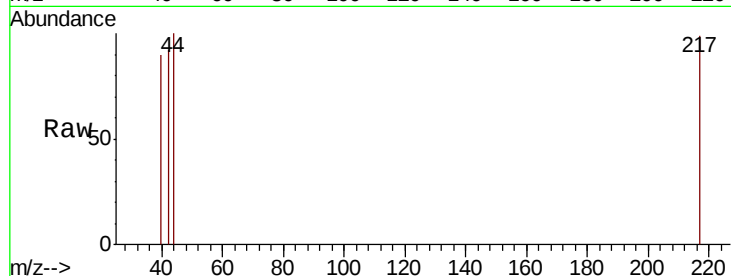
Tgt Ion: 42 Resp: 568

Ion Ratio Lower Upper

42 100

72 0.0 31.5 47.3#

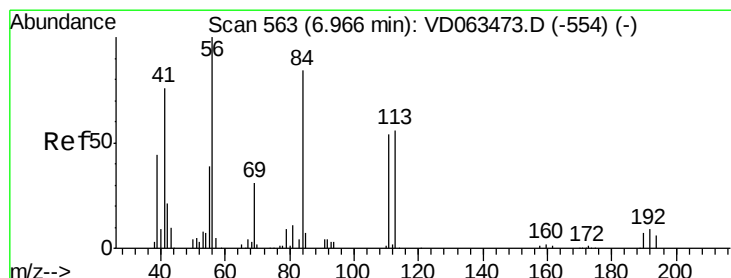
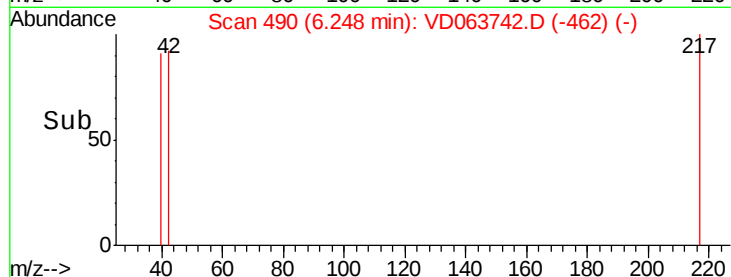
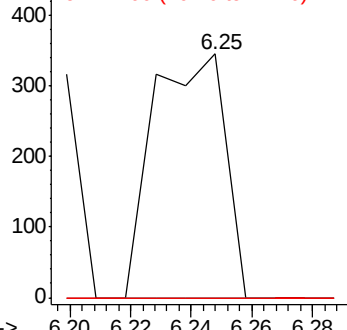
71 0.0 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.319 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD063742.D

Acq: 22 Aug 2019 19:14

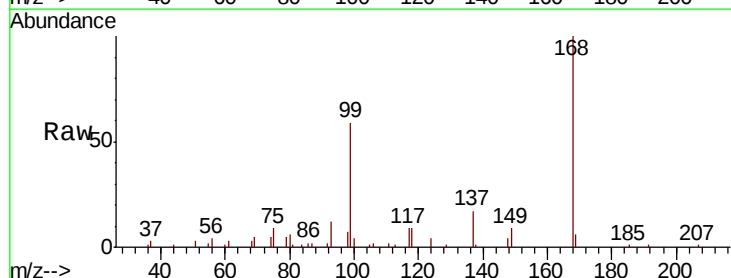
Tgt Ion: 56 Resp: 2213

Ion Ratio Lower Upper

56 100

69 113.3 25.0 37.6#

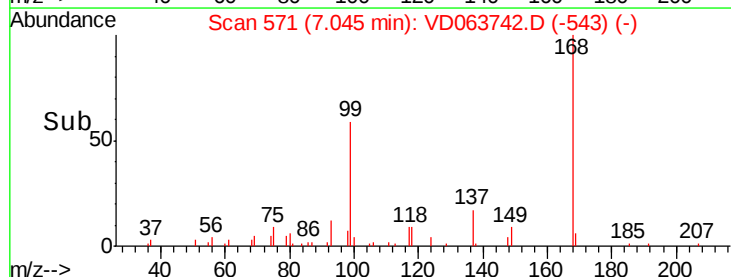
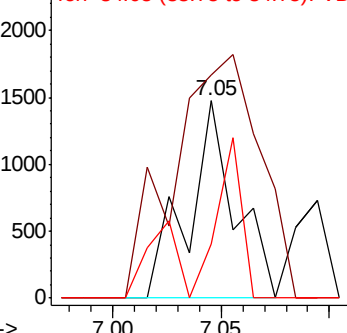
84 27.3 69.7 104.5#

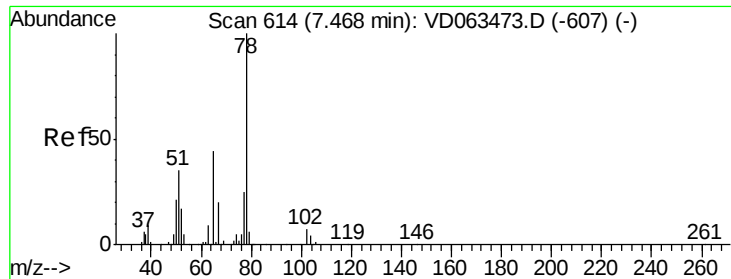


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 138.239 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063742.D

Acq: 22 Aug 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

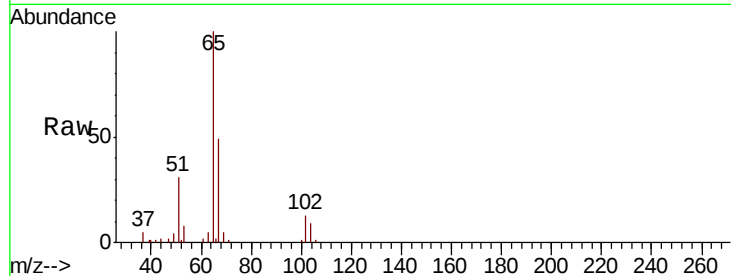
S-CORNER-3

Tgt Ion: 65 Resp: 146101

Ion Ratio Lower Upper

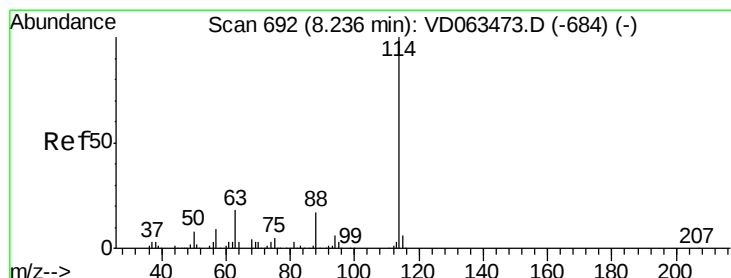
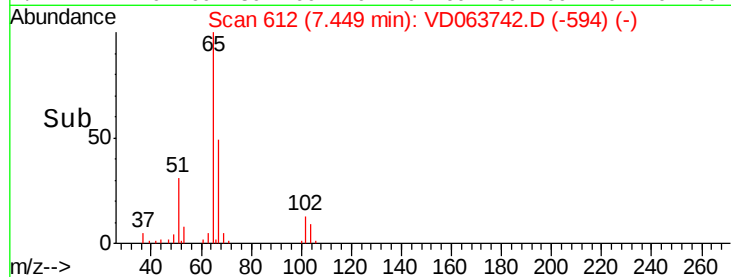
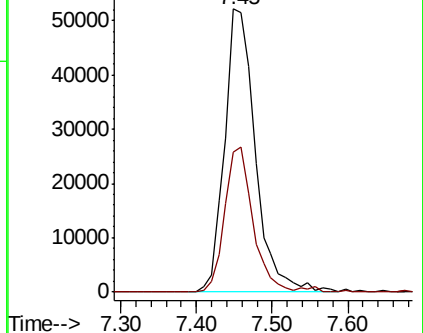
65 100

67 49.4 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063742.D

Acq: 22 Aug 2019 19:14

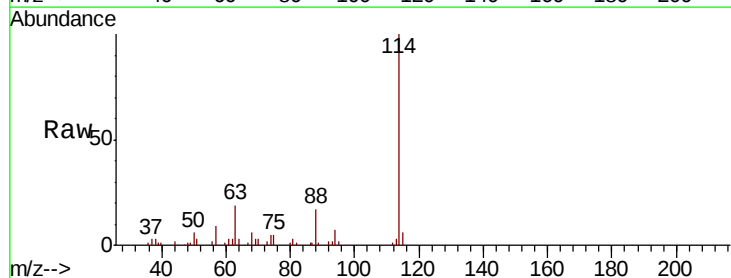
Tgt Ion: 114 Resp: 176326

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.2

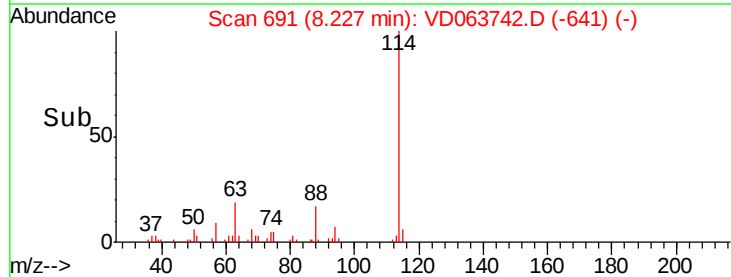
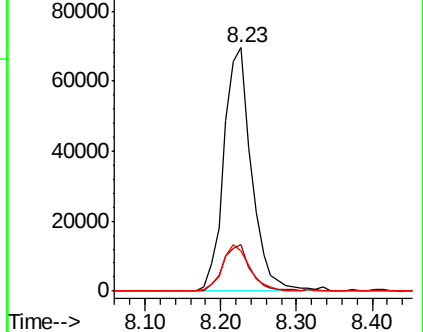
88 16.6 0.0 35.0

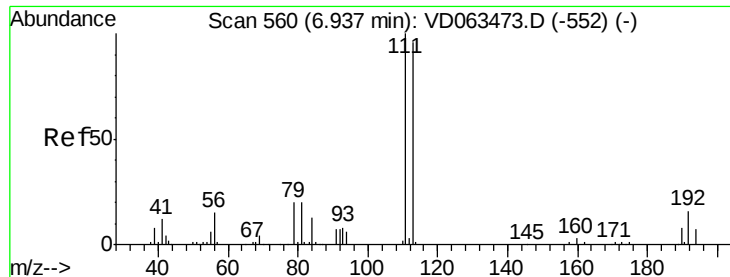


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

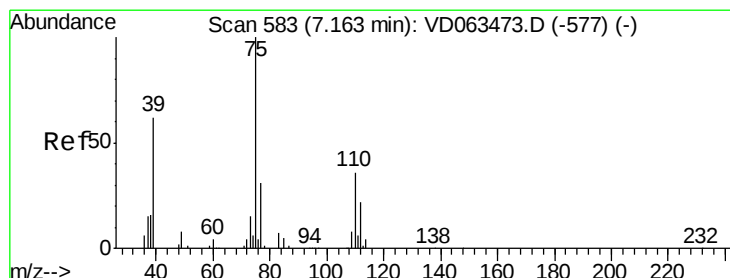
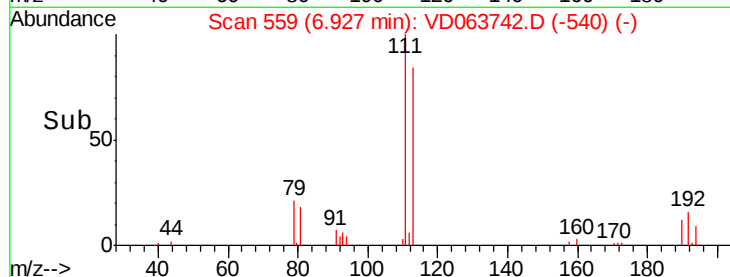
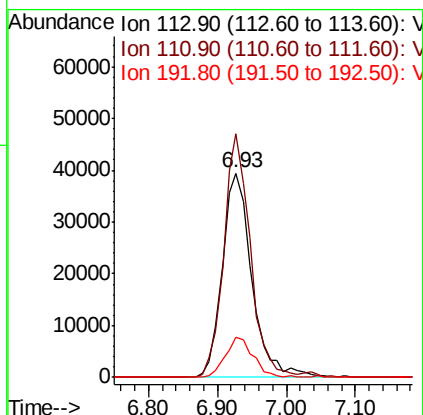
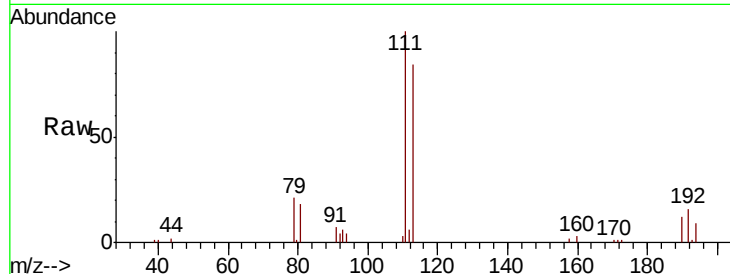




#35
 Dibromofluoromethane
 Concen: 78.474 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD063742.D
 Acq: 22 Aug 2019 19:14

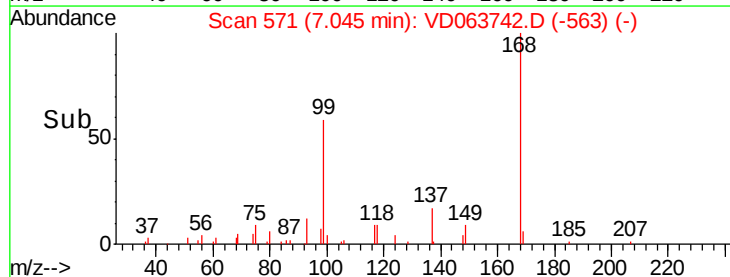
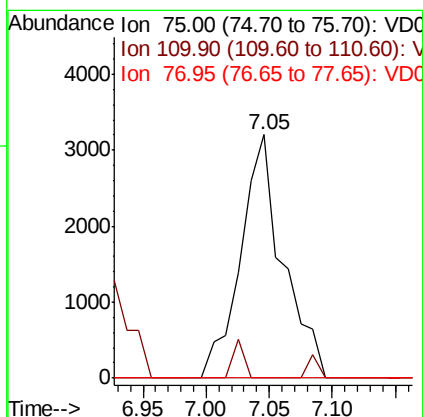
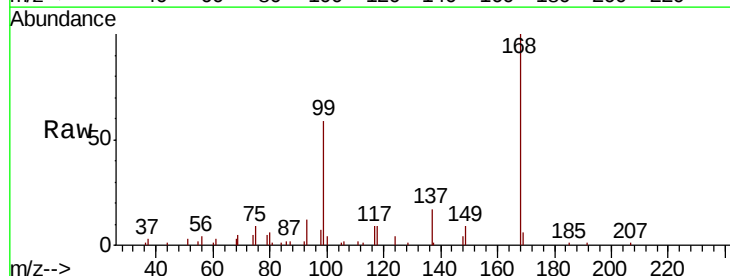
Instrument :
 MSVOA_D
 ClientSampleId :
 S-CORNER-3

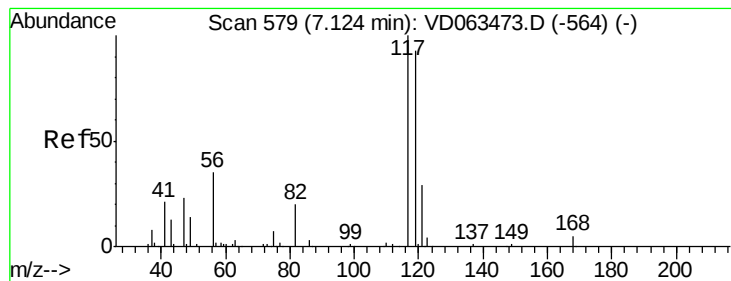
Tgt Ion: 113 Resp: 116536
 Ion Ratio Lower Upper
 113 100
 111 119.4 83.1 124.7
 192 19.4 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 4.788 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.12 min
 Lab File: VD063742.D
 Acq: 22 Aug 2019 19:14

Tgt Ion: 75 Resp: 7463
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.6 52.8#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 3.639 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063742.D

Acq: 22 Aug 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

S-CORNER-3

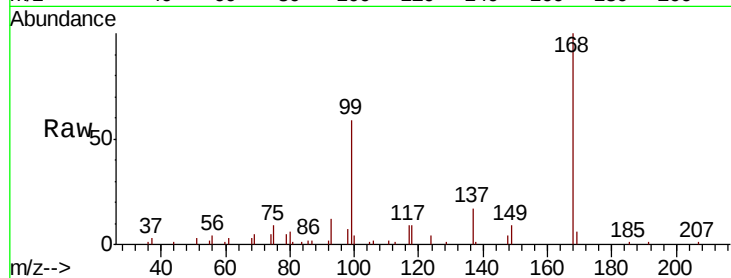
Tgt Ion:117 Resp: 8548

Ion Ratio Lower Upper

117 100

119 0.0 74.2 111.2#

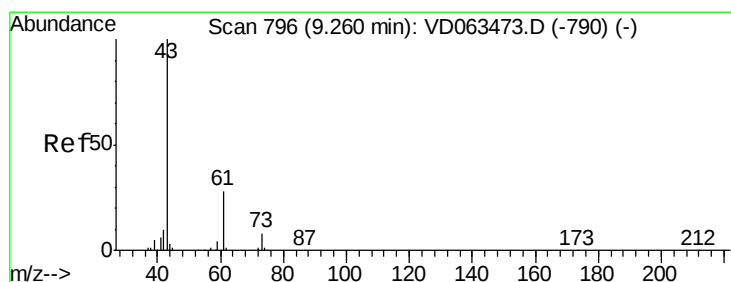
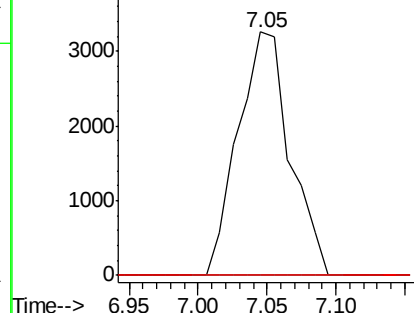
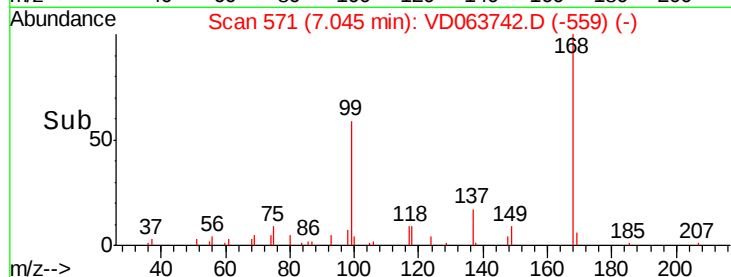
121 0.0 23.1 34.7#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#43

Isopropyl Acetate

Concen: 1.096 ug/l

RT: 9.27 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD063742.D

Acq: 22 Aug 2019 19:14

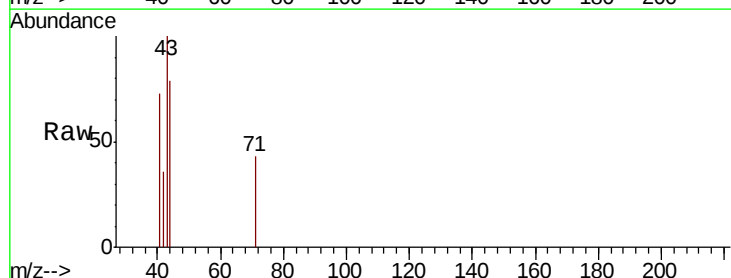
Tgt Ion: 43 Resp: 959

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.2#

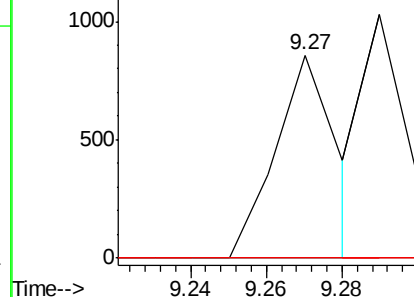
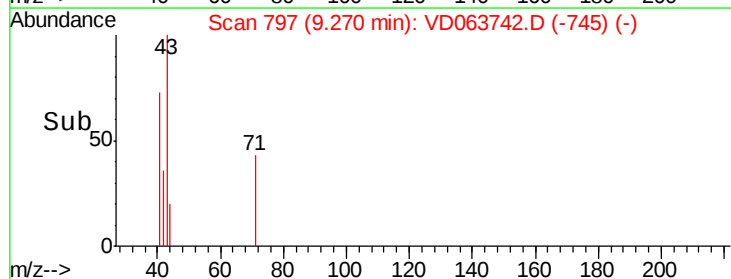
87 0.0 0.2 0.4#

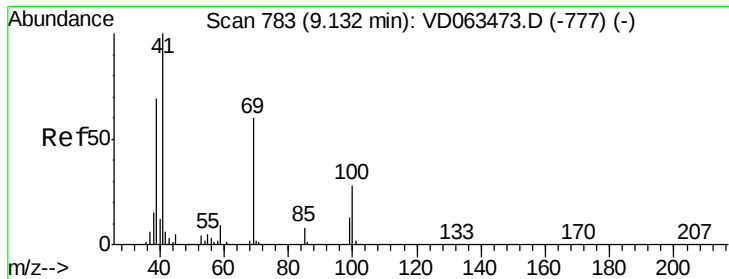


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC





#48

Methyl methacrylate

Concen: 4.280 ug/l

RT: 9.02 min Scan# 772

Delta R.T. -0.11 min

Lab File: VD063742.D

Acq: 22 Aug 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

S-CORNER-3

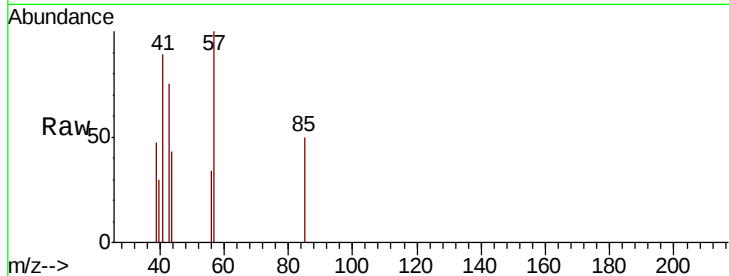
Tgt Ion: 41 Resp: 2539

Ion Ratio Lower Upper

41 100

69 0.0 47.6 71.4#

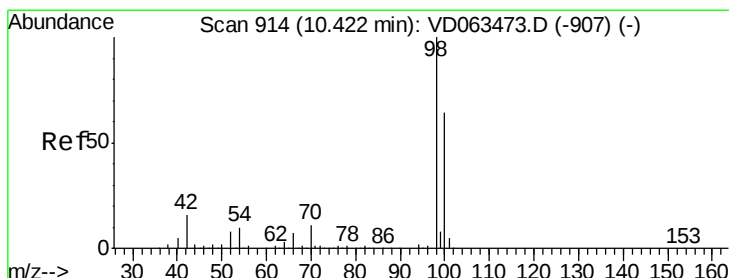
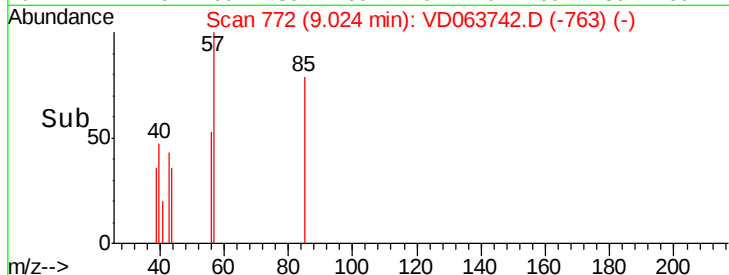
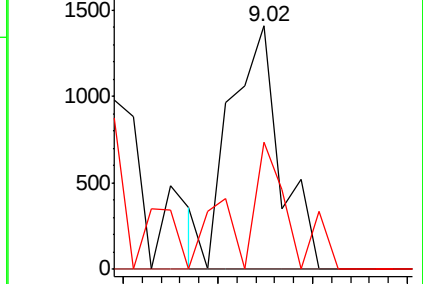
39 52.4 55.7 83.5#



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC



#50

Toluene-d8

Concen: 56.560 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063742.D

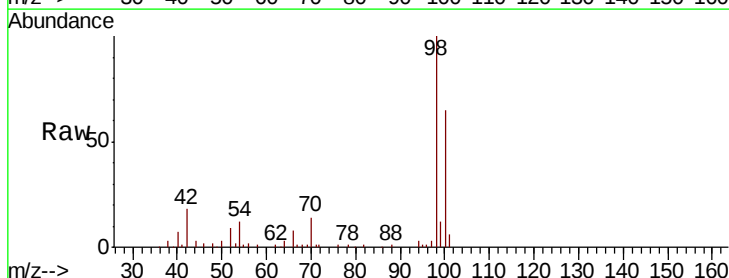
Acq: 22 Aug 2019 19:14

Tgt Ion: 98 Resp: 184664

Ion Ratio Lower Upper

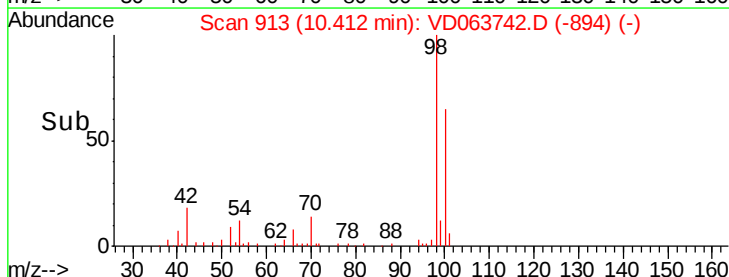
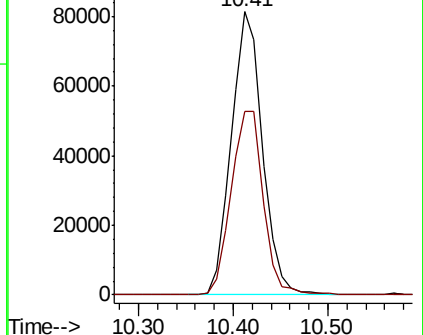
98 100

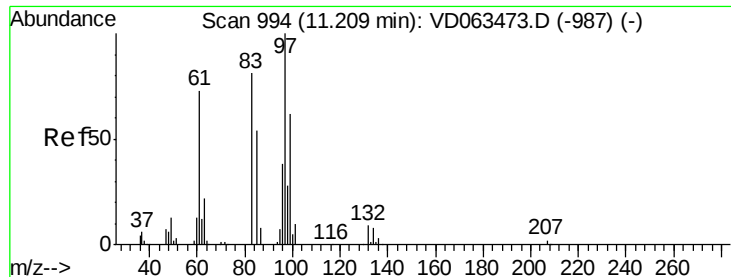
100 64.7 51.7 77.5



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: 2.786 ug/l

RT: 11.09 min Scan# 982

Delta R.T. -0.12 min

Lab File: VD063742.D

Acq: 22 Aug 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

S-CORNER-3

Tgt Ion: 97 Resp: 2079

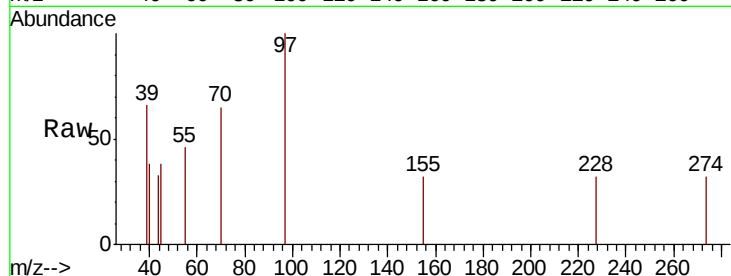
Ion Ratio Lower Upper

97 100

83 0.0 64.7 97.1#

85 0.0 42.9 64.3#

99 0.0 49.7 74.5#

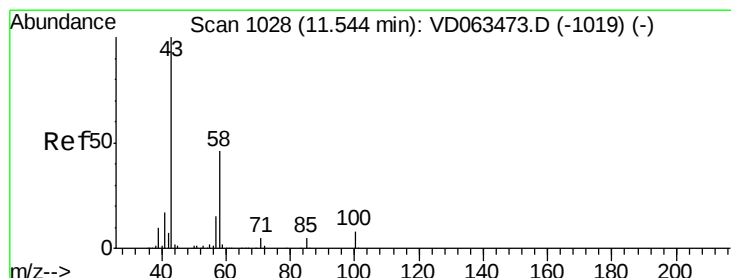
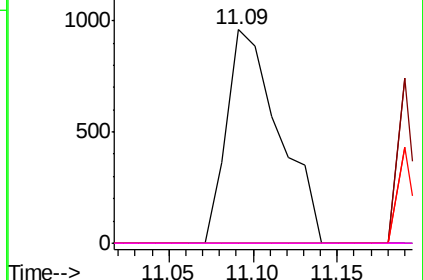
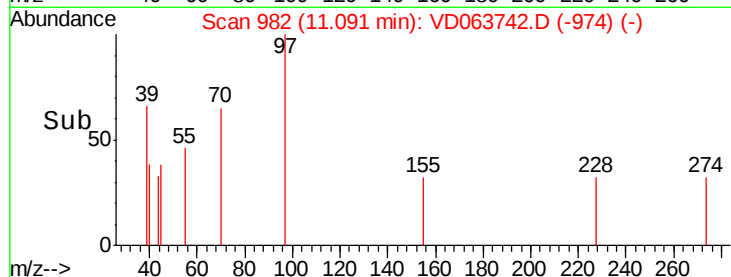


Abundance Ion 96.85 (96.55 to 97.55): VDC

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



#59

2-Hexanone

Concen: 8.467 ug/l

RT: 11.49 min Scan# 1023

Delta R.T. -0.05 min

Lab File: VD063742.D

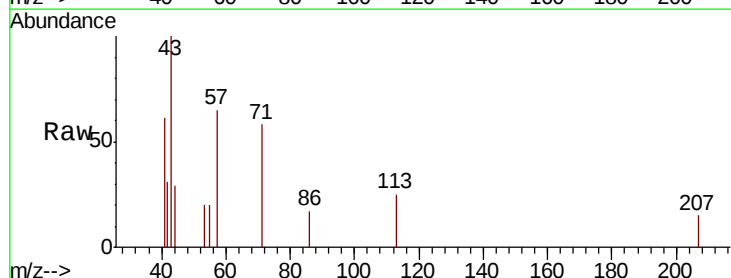
Acq: 22 Aug 2019 19:14

Tgt Ion: 43 Resp: 3688

Ion Ratio Lower Upper

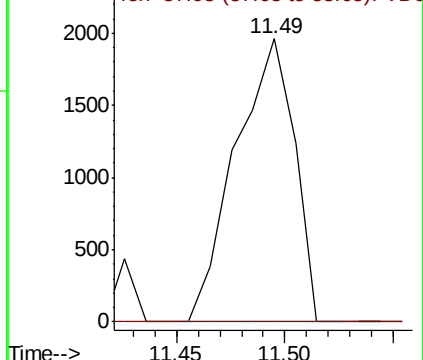
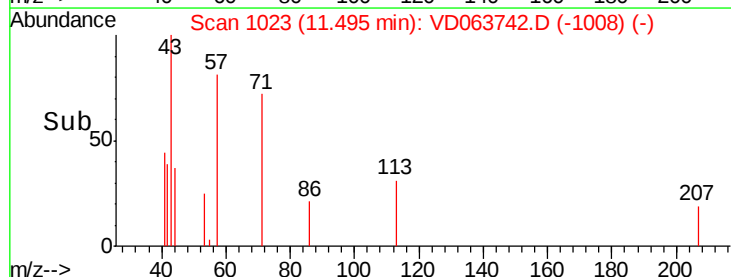
43 100

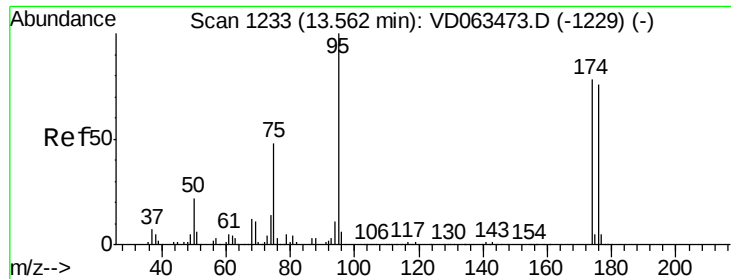
58 0.0 23.1 69.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

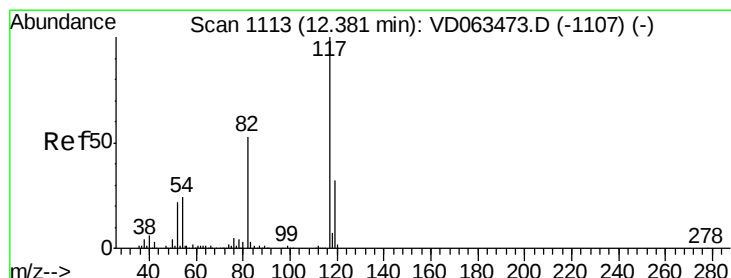
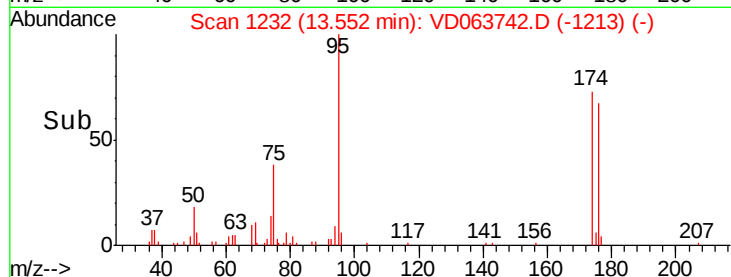
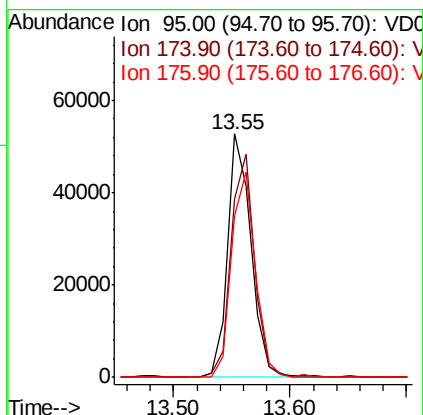
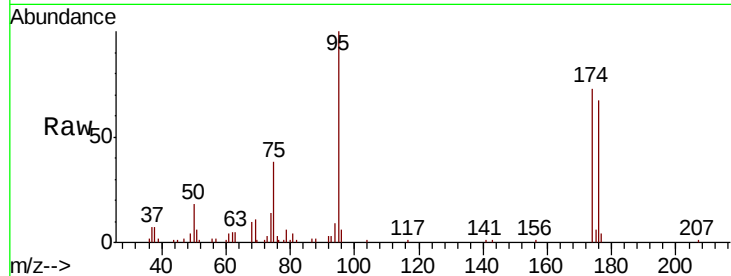




#62
4-Bromofluorobenzene
Concen: 49.710 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063742.D
Acq: 22 Aug 2019 19:14

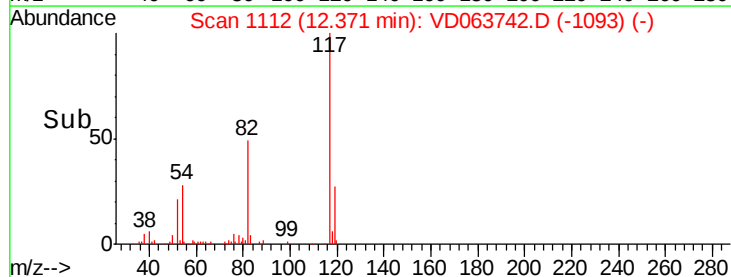
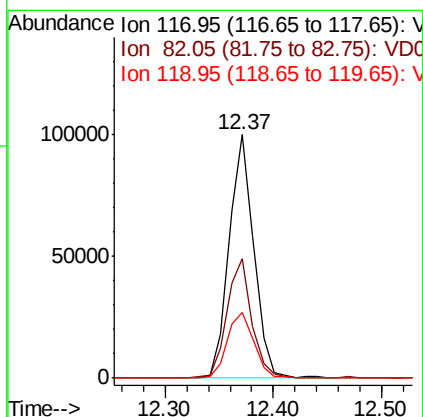
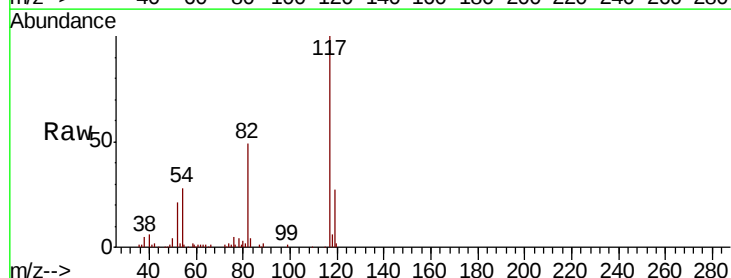
Instrument :
MSVOA_D
ClientSampleId :
S-CORNER-3

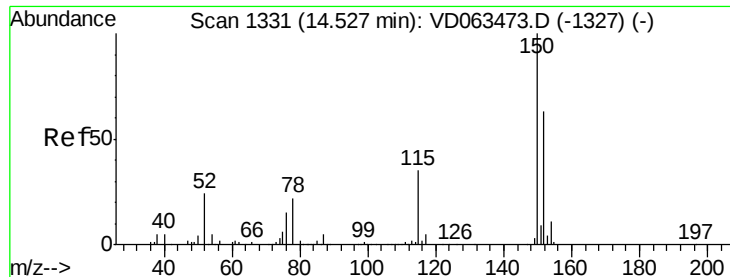
Tgt Ion: 95 Resp: 73561
Ion Ratio Lower Upper
95 100
174 73.3 0.0 155.4
176 66.5 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063742.D
Acq: 22 Aug 2019 19:14

Tgt Ion: 117 Resp: 158301
Ion Ratio Lower Upper
117 100
82 48.8 42.0 63.0
119 26.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063742.D

Acq: 22 Aug 2019 19:14

Instrument :

MSVOA_D

ClientSampleId :

S-CORNER-3

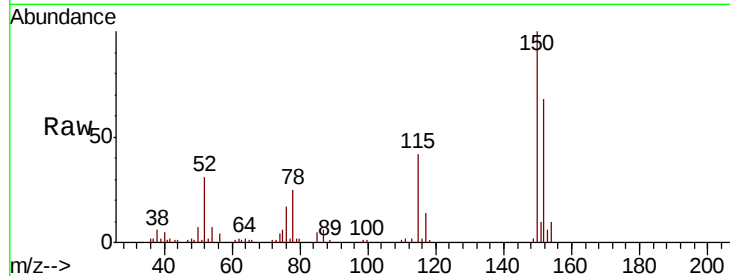
Tgt Ion:152 Resp: 60075

Ion Ratio Lower Upper

152 100

115 62.0 30.9 92.7

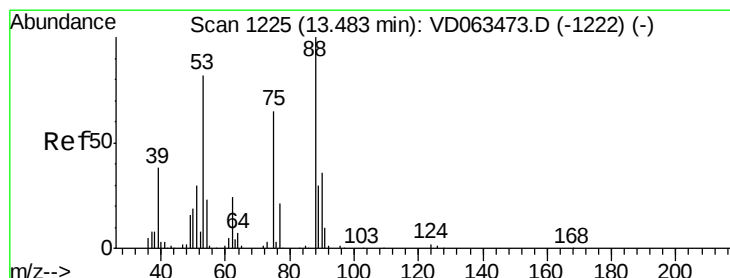
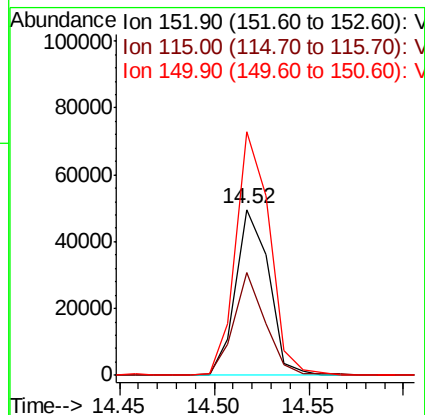
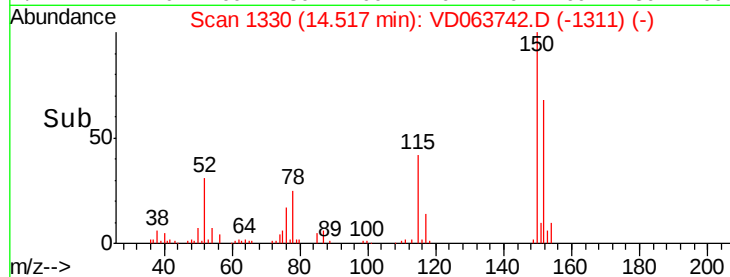
150 147.1 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 172.836 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063742.D

Acq: 22 Aug 2019 19:14

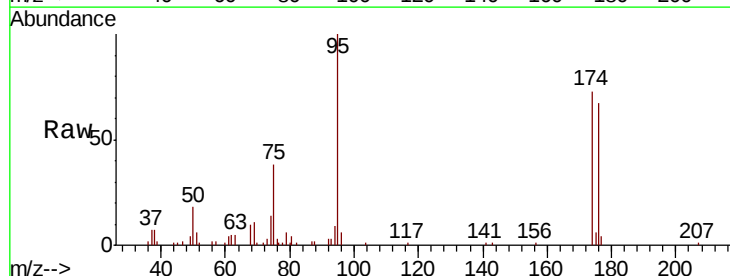
Tgt Ion: 75 Resp: 32028

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

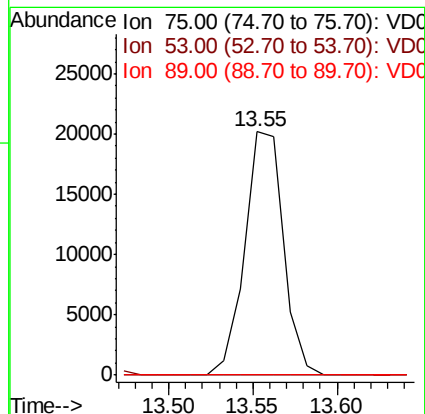
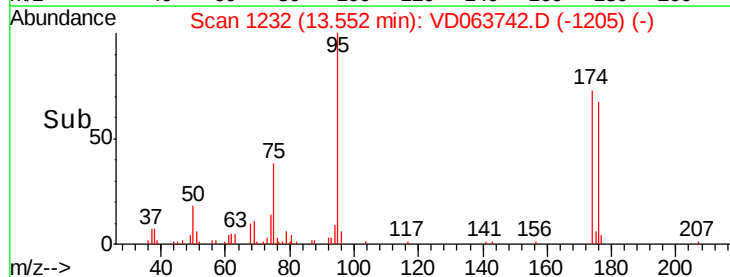
89 0.0 37.0 55.6#

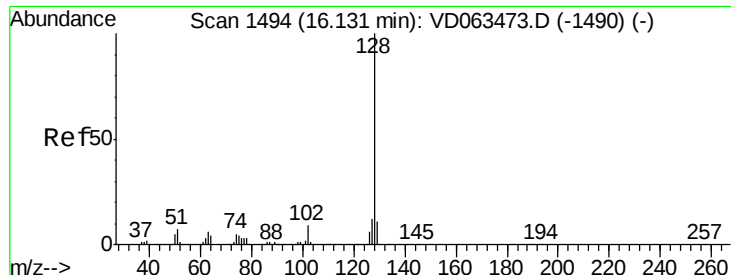


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95
Naphthalene
Concen: 1.147 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063742.D
Acq: 22 Aug 2019 19:14

Instrument :
MSVOA_D
ClientSampleId :
S-CORNER-3

Tgt Ion:128 Resp: 2050
Ion Ratio Lower Upper
128 100
127 0.0 9.4 14.0#
129 13.7 8.5 12.7#

