

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
 Data File : VD064147.D
 Acq On : 01 Nov 2019 12:21
 Operator : VA/SY
 Sample : VD1101SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBL01

Quant Time: Nov 01 18:01:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	200624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	327536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	339603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	175254	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	85910	53.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.68%	
35) Dibromofluoromethane	7.91	113	96643	47.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.92%	
50) Toluene-d8	10.34	98	387777	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.64	95	135695	50.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.58%	

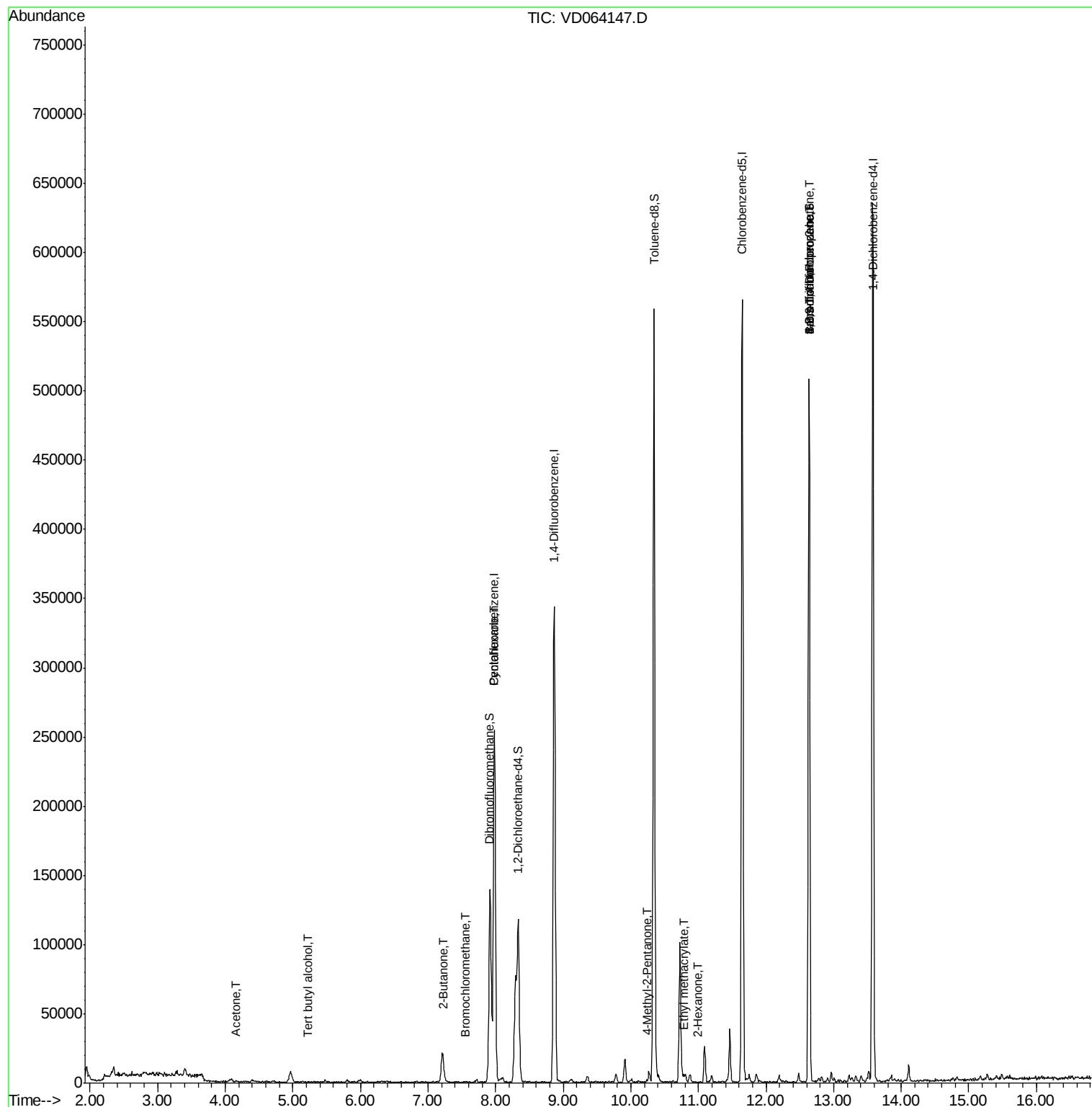
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	127	7.539	ug/l #	71
16) Acetone	4.17	43	985	3.245	ug/l #	42
20) Methylene Chloride	4.96	84	3983	Below Cal	#	90
25) 2-Butanone	7.23	43	920	2.192	ug/l #	45
28) Bromochloromethane	7.54	49	73	2.309	ug/l #	5
31) Cyclohexane	7.98	56	5045	1.700	ug/l #	28
51) 4-Methyl-2-Pentanone	10.23	43	1073	1.032	ug/l #	70
56) Ethyl methacrylate	10.79	69	123	3.076	ug/l #	1
59) 2-Hexanone	10.99	43	154	9.196	ug/l #	22
71) Bromoform	12.63	173	1572	1.121	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	73277	62.225	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	73277	127.080	ug/l #	15

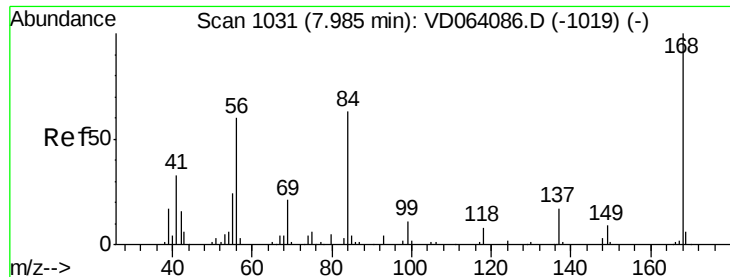
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
Data File : VD064147.D
Acq On : 01 Nov 2019 12:21
Operator : VA/SY
Sample : VD1101SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBL01

Quant Time: Nov 01 18:01:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064147.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

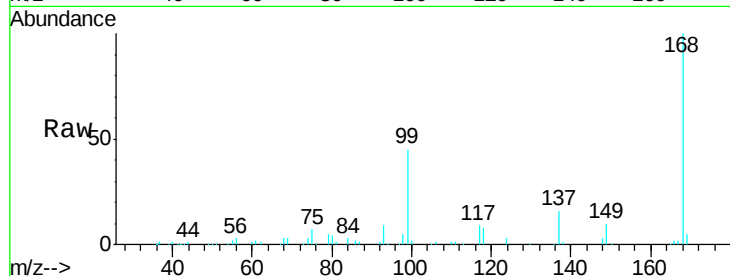
VD1101SBL01

Tgt Ion:168 Resp: 200624

Ion Ratio Lower Upper

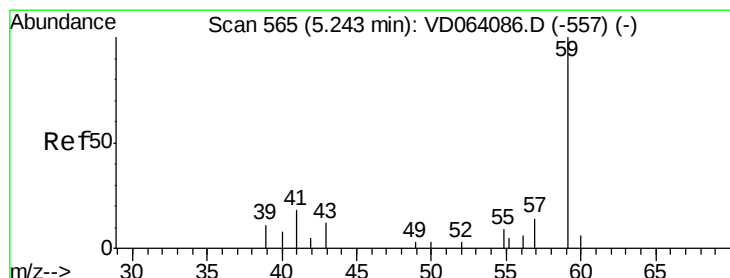
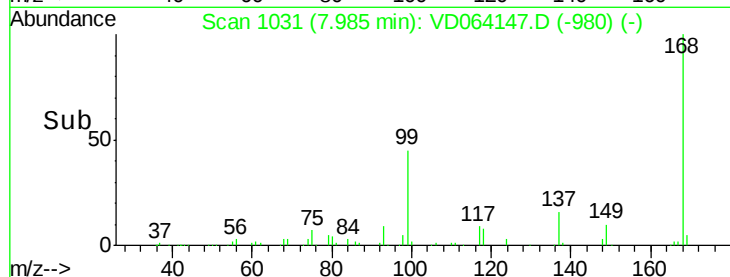
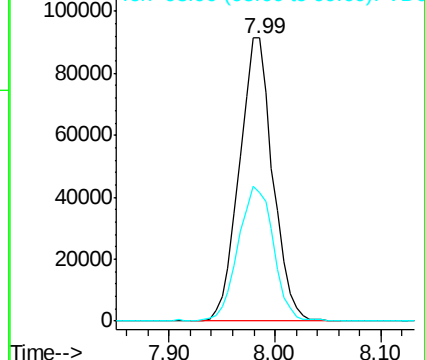
168 100

99 45.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 7.539 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.02 min

Lab File: VD064147.D

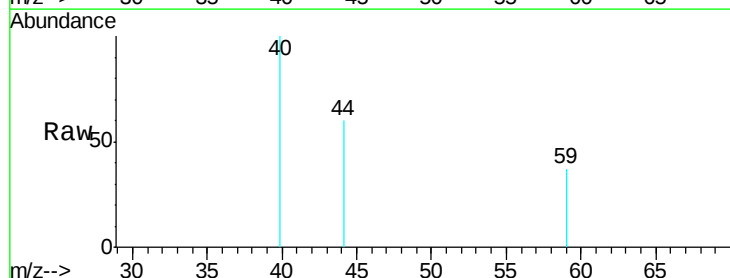
Acq: 01 Nov 2019 12:21

Tgt Ion: 59 Resp: 127

Ion Ratio Lower Upper

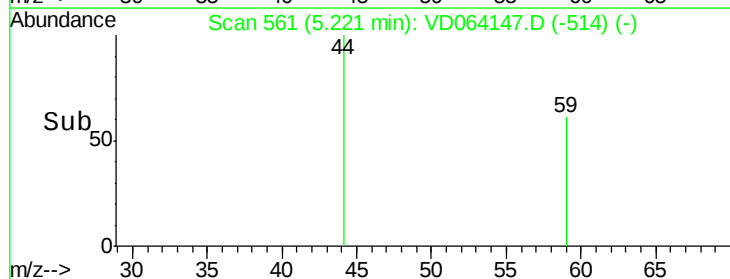
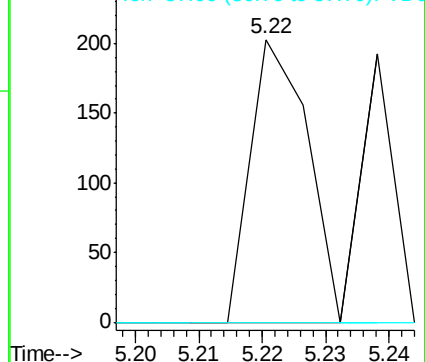
59 100

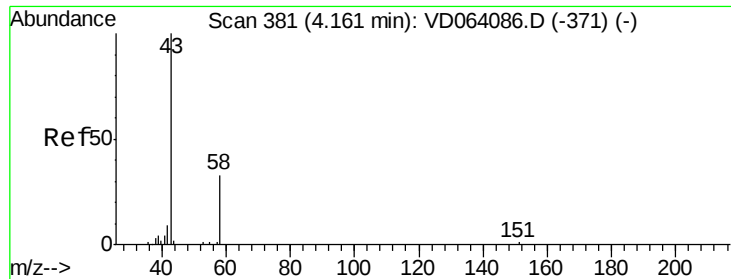
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 3.245 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064147.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

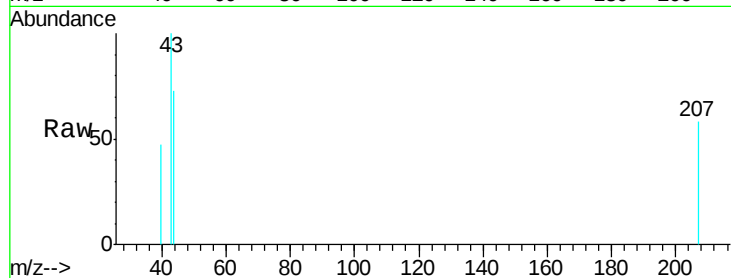
VD1101SBL01

Tgt Ion: 43 Resp: 985

Ion Ratio Lower Upper

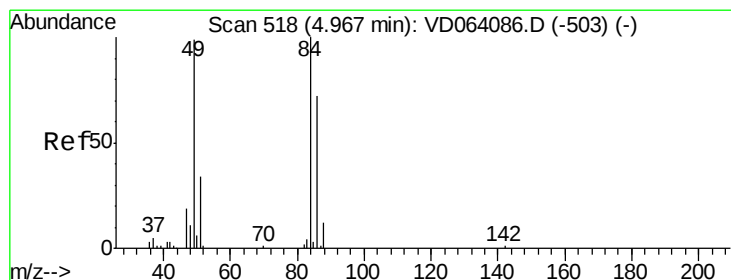
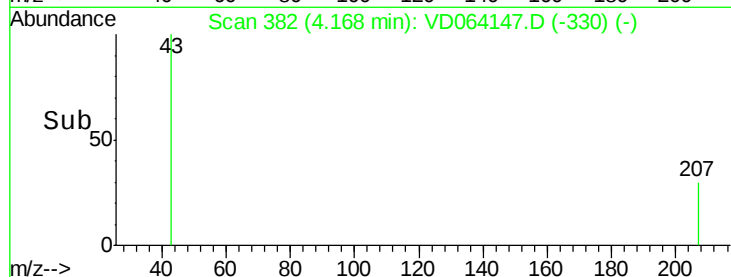
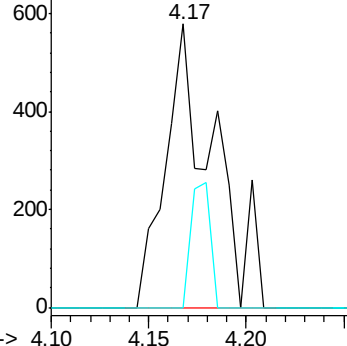
43 100

58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD064147.D

Acq: 01 Nov 2019 12:21

Tgt Ion: 84 Resp: 3983

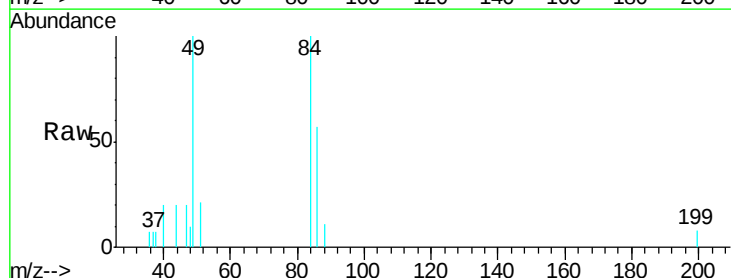
Ion Ratio Lower Upper

84 100

49 100.4 79.4 119.0

51 20.8 27.4 41.2#

86 57.5 57.4 86.0

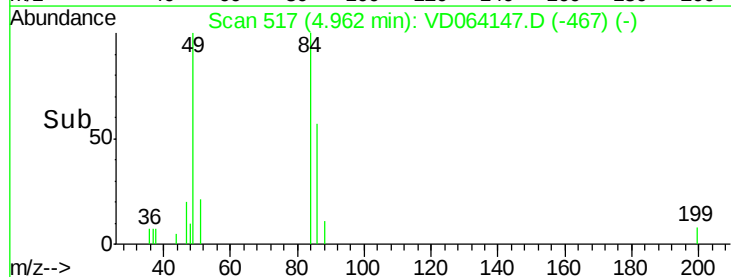
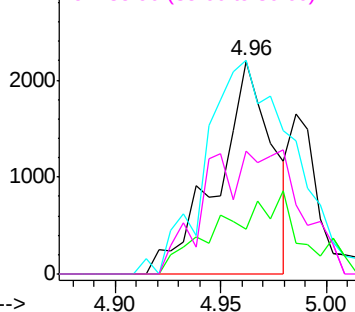


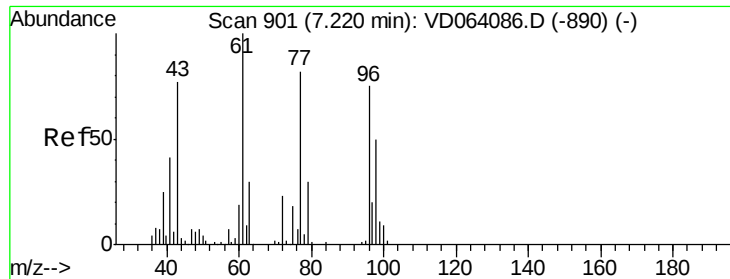
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 2.192 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064147.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

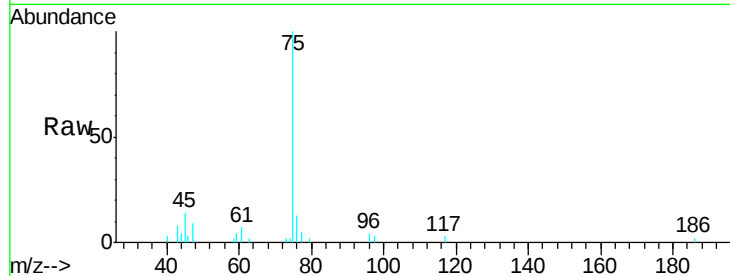
VD1101SBL01

Tgt Ion: 43 Resp: 920

Ion Ratio Lower Upper

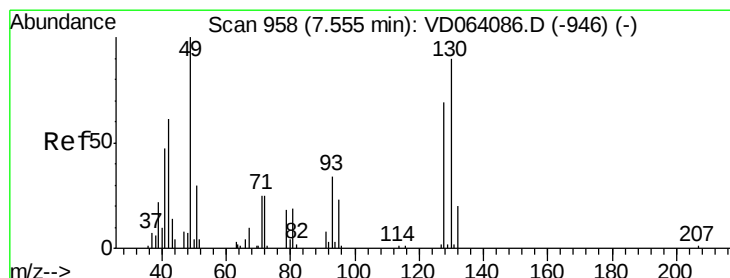
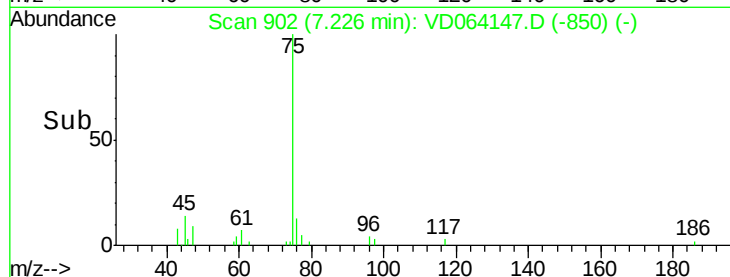
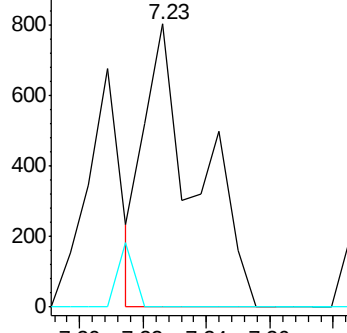
43 100

72 0.0 23.4 35.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#28

Bromochloromethane

Concen: 2.309 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD064147.D

Acq: 01 Nov 2019 12:21

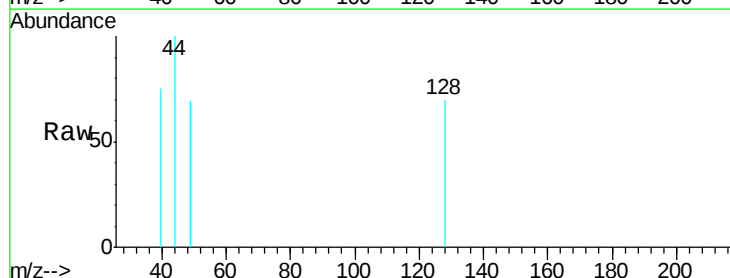
Tgt Ion: 49 Resp: 73

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

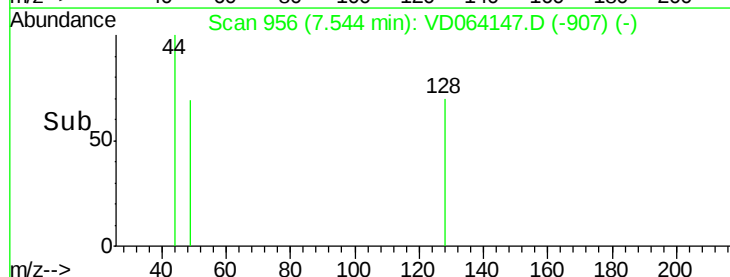
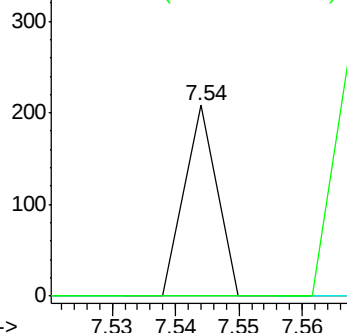
130 0.0 75.3 112.9#

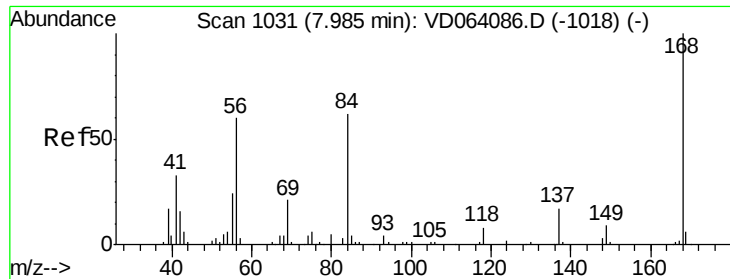


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

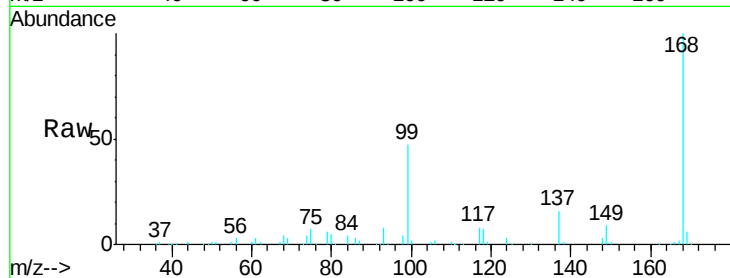




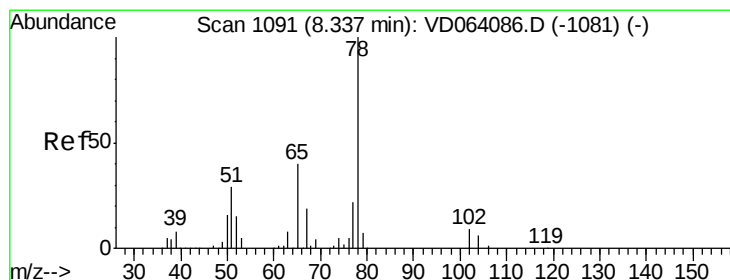
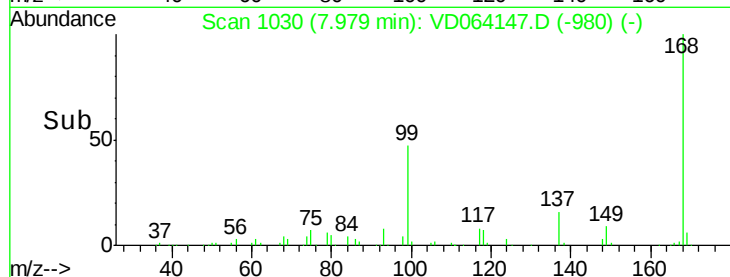
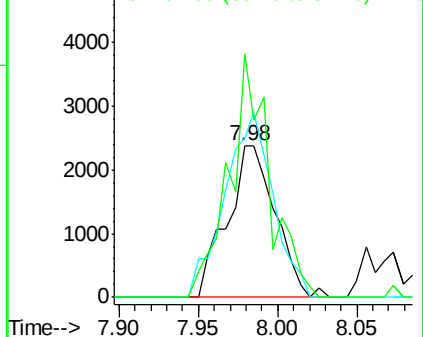
#31
Cyclohexane
Concen: 1.700 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064147.D
Acq: 01 Nov 2019 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBL01

Tgt Ion: 56 Resp: 5045
Ion Ratio Lower Upper
56 100
69 105.1 27.7 41.5#
84 160.2 83.1 124.7#

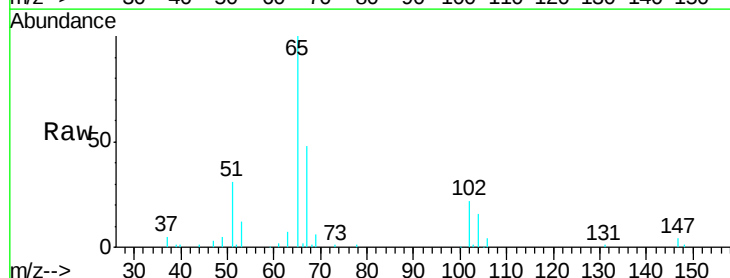


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

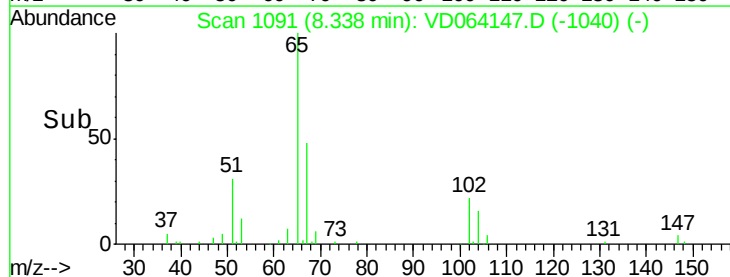
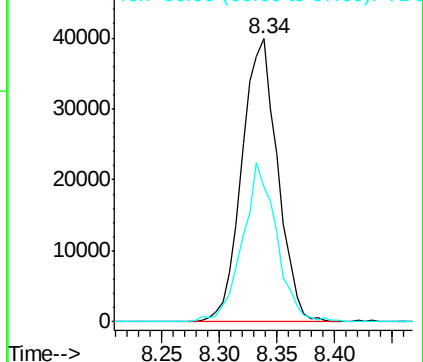


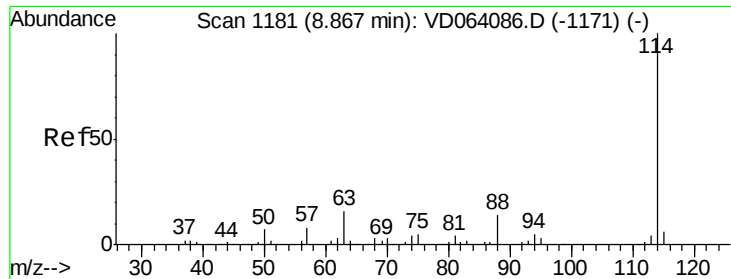
#33
1,2-Dichloroethane-d4
Concen: 53.843 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064147.D
Acq: 01 Nov 2019 12:21

Tgt Ion: 65 Resp: 85910
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

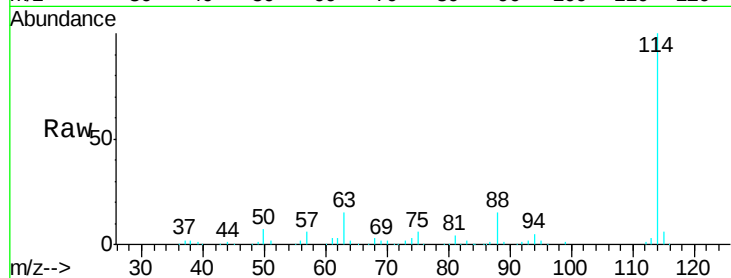




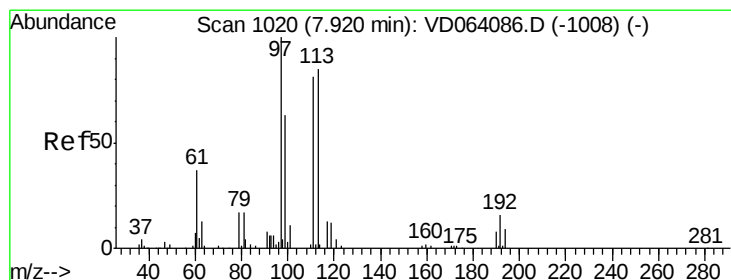
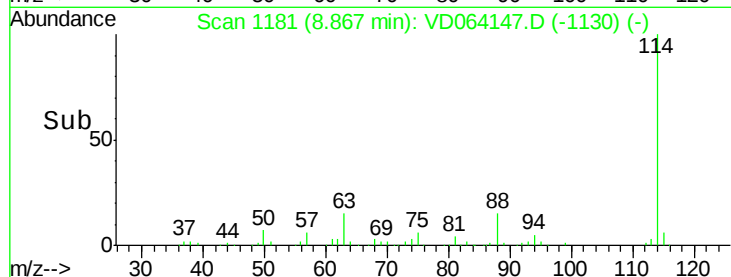
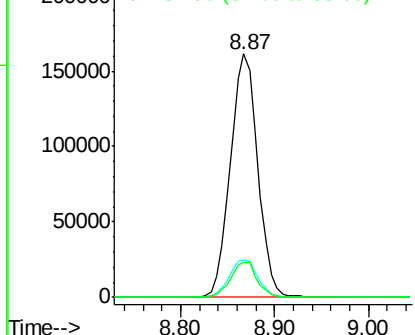
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064147.D
 Acq: 01 Nov 2019 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBL01

Tgt Ion:114 Resp: 327536
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 32.8
 88 14.6 0.0 27.6

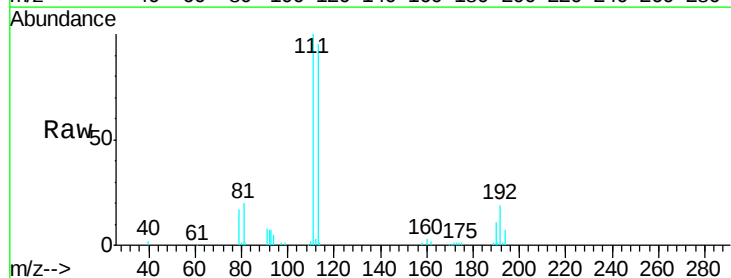


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

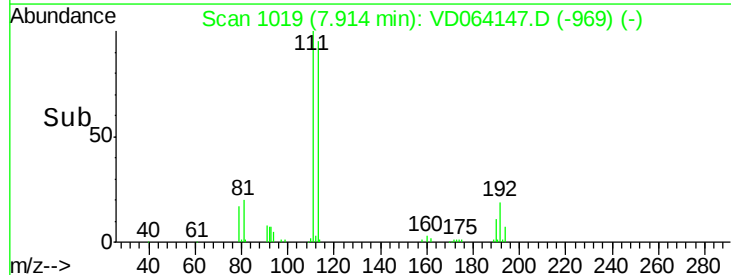
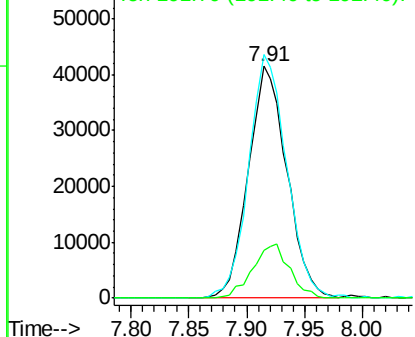


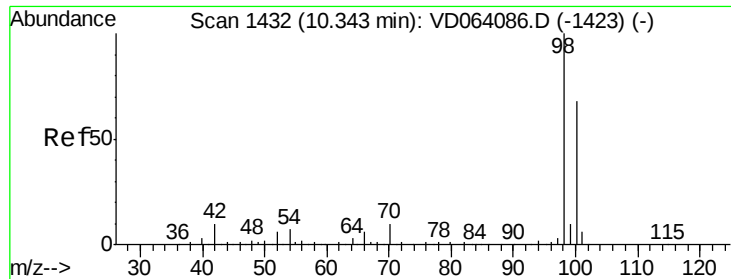
#35
 Dibromofluoromethane
 Concen: 47.960 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064147.D
 Acq: 01 Nov 2019 12:21

Tgt Ion:113 Resp: 96643
 Ion Ratio Lower Upper
 113 100
 111 103.5 79.3 118.9
 192 22.2 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

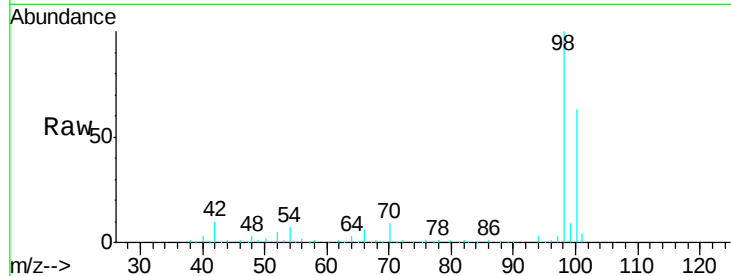




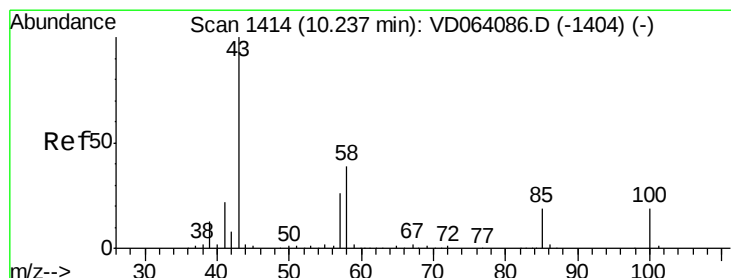
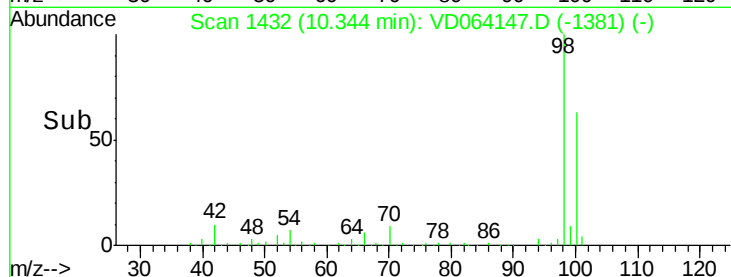
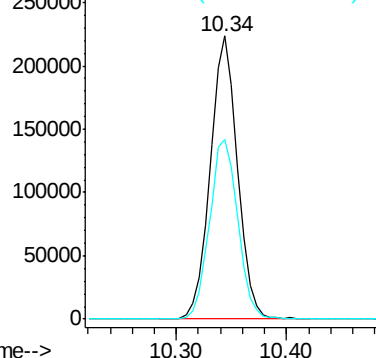
#50
Toluene-d8
Concen: 48.119 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064147.D
Acq: 01 Nov 2019 12:21

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBL01

Tgt Ion: 98 Resp: 387777
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0

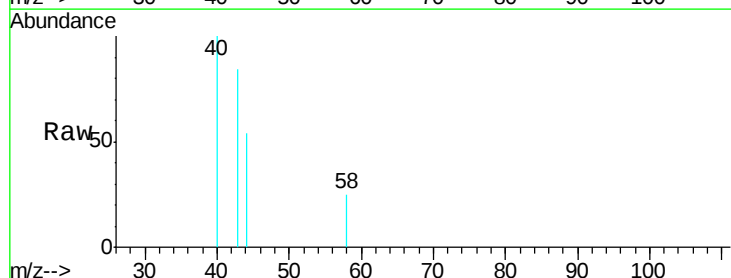


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

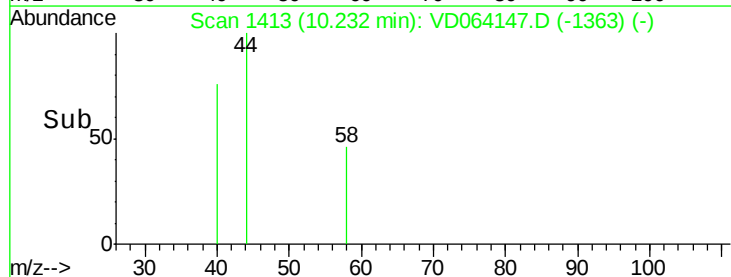
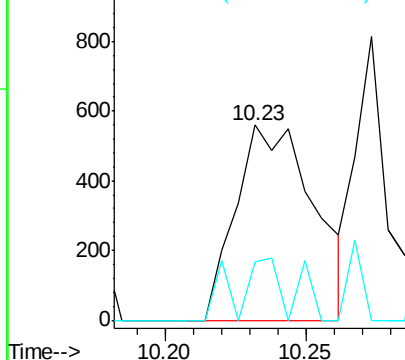


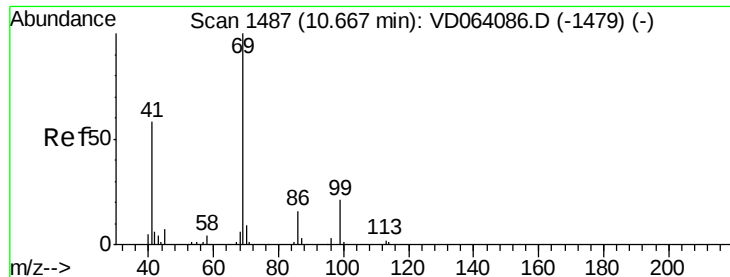
#51
4-Methyl-2-Pentanone
Concen: 1.032 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD064147.D
Acq: 01 Nov 2019 12:21

Tgt Ion: 43 Resp: 1073
Ion Ratio Lower Upper
43 100
58 22.6 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#56

Ethyl methacrylate

Concen: 3.076 ug/l

RT: 10.79 min Scan# 1508

Delta R.T. 0.12 min

Lab File: VD064147.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBL01

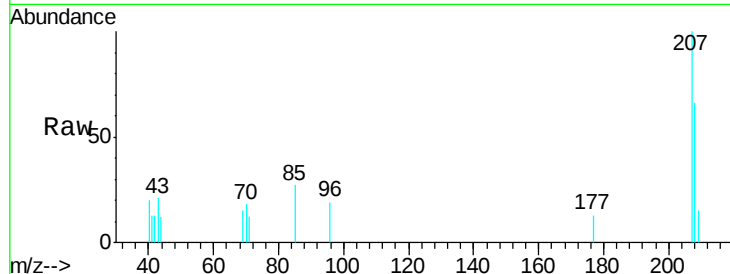
Tgt Ion: 69 Resp: 123

Ion Ratio Lower Upper

69 100

41 169.1 46.9 70.3#

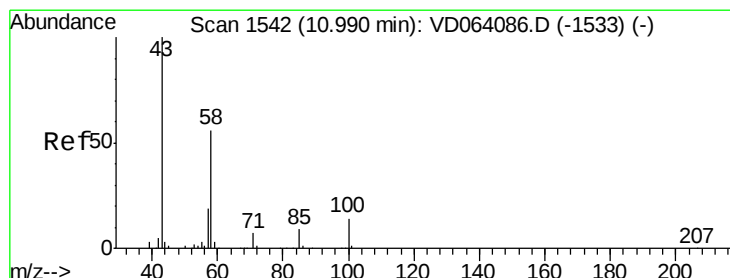
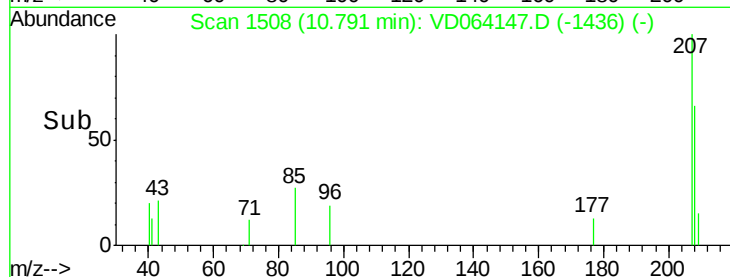
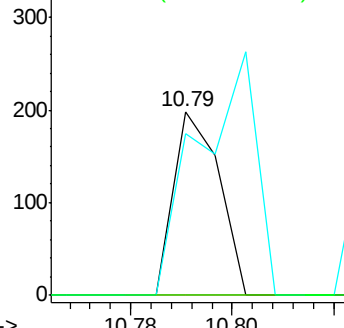
39 0.0 27.3 40.9#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#59

2-Hexanone

Concen: 9.196 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD064147.D

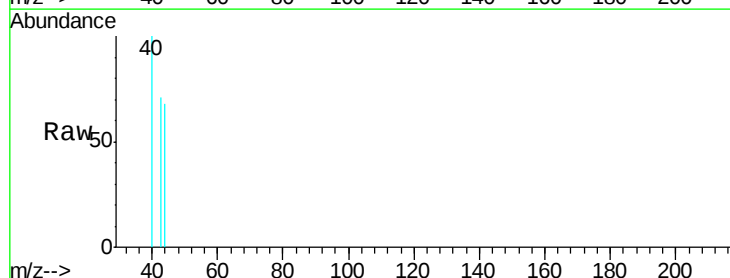
Acq: 01 Nov 2019 12:21

Tgt Ion: 43 Resp: 154

Ion Ratio Lower Upper

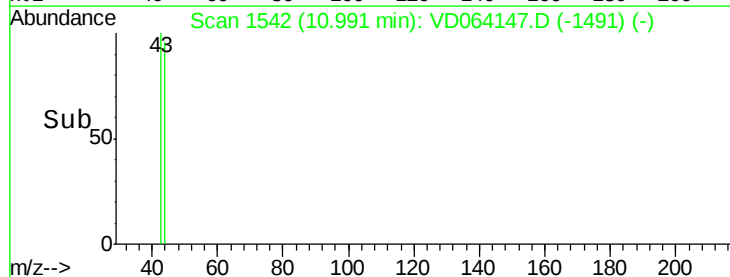
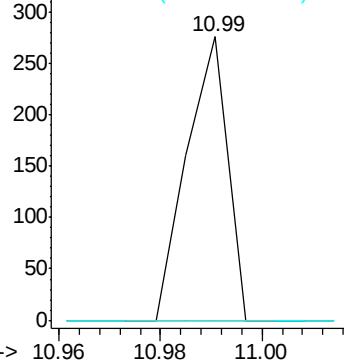
43 100

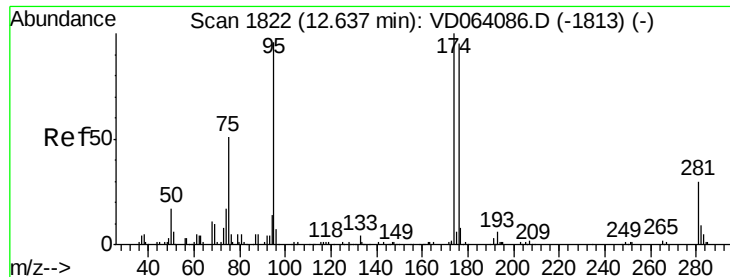
58 0.0 29.2 87.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

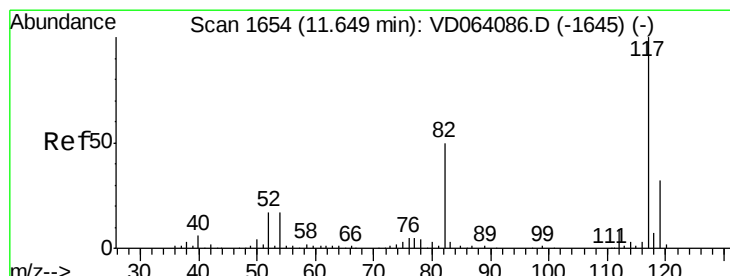
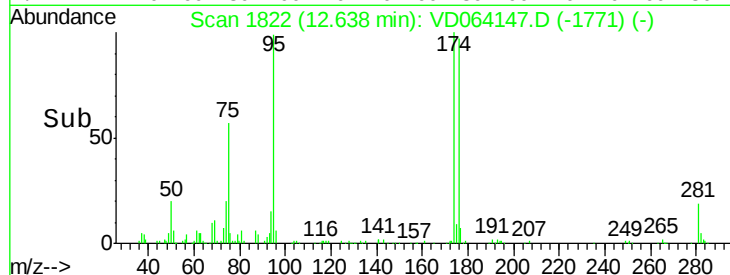
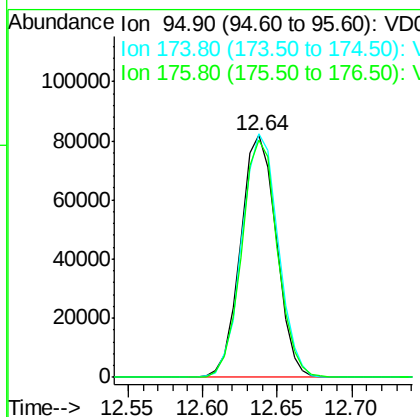
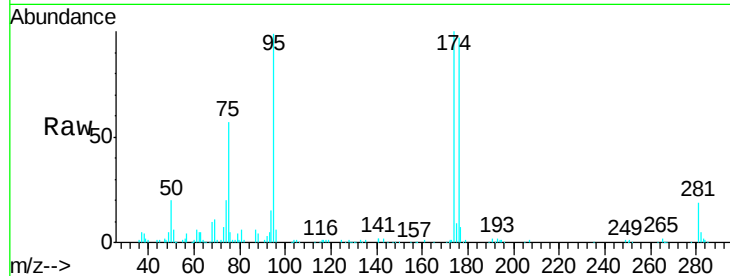




#62
4-Bromofluorobenzene
Concen: 50.790 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064147.D
Acq: 01 Nov 2019 12:21

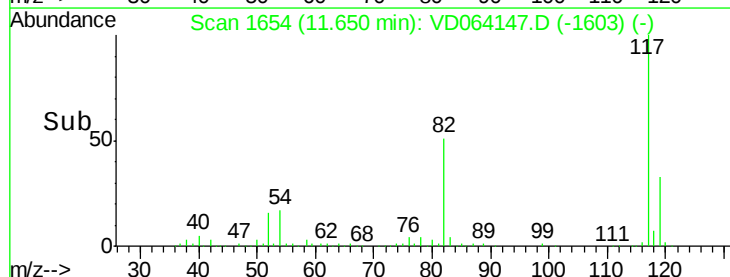
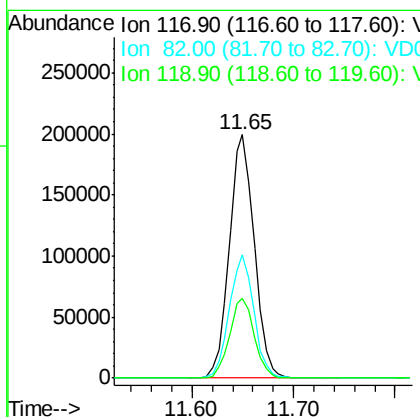
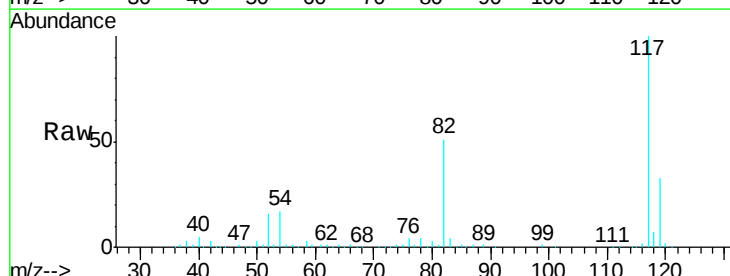
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBL01

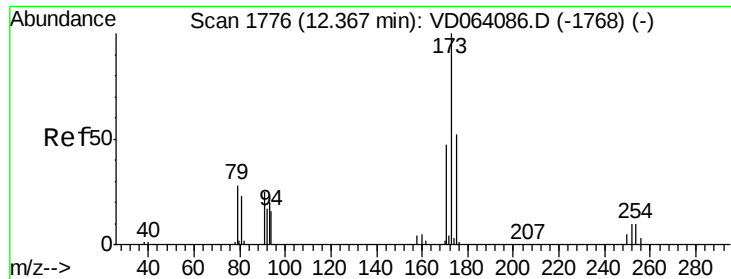
Tgt Ion: 95 Resp: 135695
Ion Ratio Lower Upper
95 100
174 102.3 0.0 201.6
176 97.7 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064147.D
Acq: 01 Nov 2019 12:21

Tgt Ion: 117 Resp: 339603
Ion Ratio Lower Upper
117 100
82 50.7 40.2 60.4
119 32.7 26.0 39.0





#71

Bromoform

Concen: 1.121 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD064147.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBL01

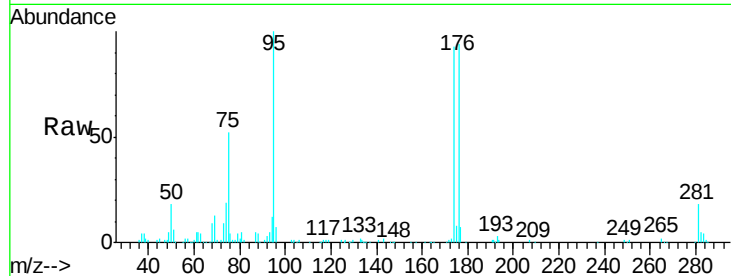
Tgt Ion:173 Resp: 1572

Ion Ratio Lower Upper

173 100

175 551.0 24.3 72.9#

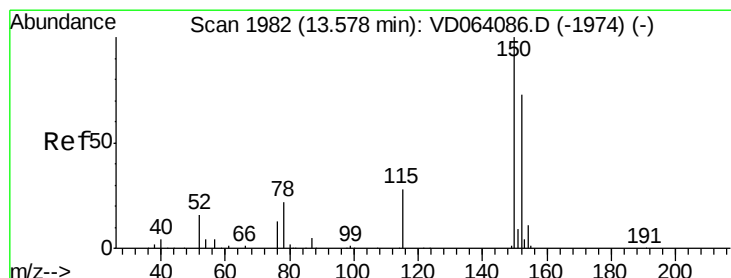
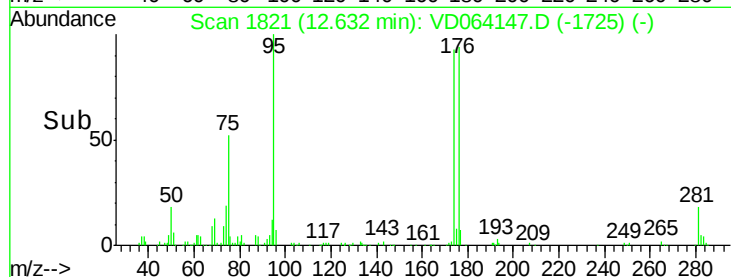
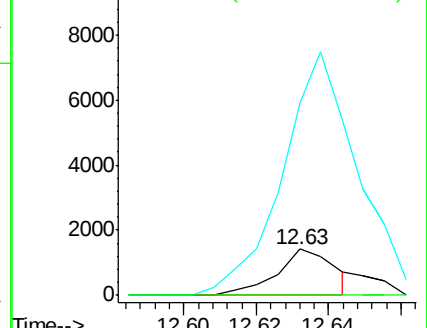
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064147.D

Acq: 01 Nov 2019 12:21

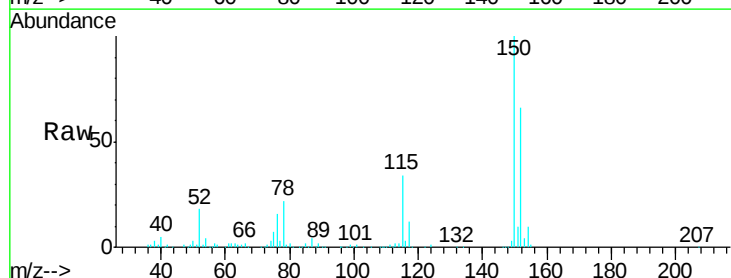
Tgt Ion:152 Resp: 175254

Ion Ratio Lower Upper

152 100

115 52.4 26.2 78.6

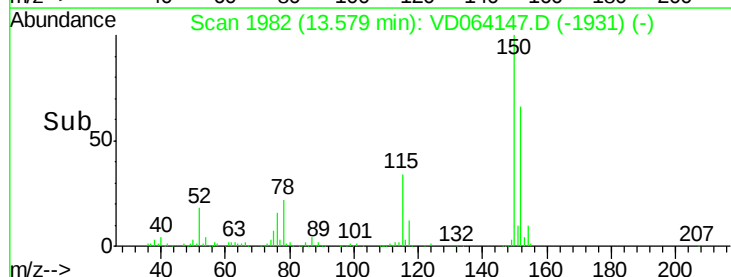
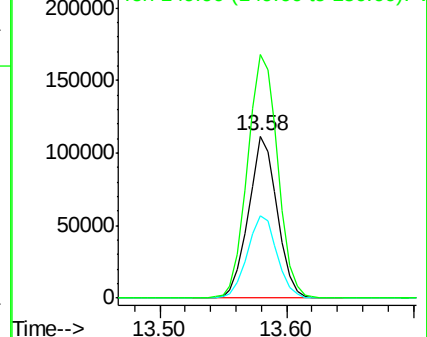
150 158.1 0.0 338.8

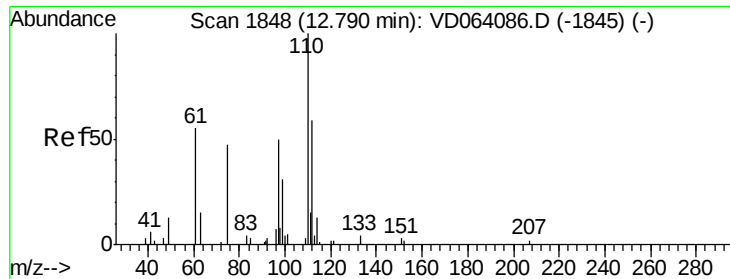


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 62.225 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064147.D

Acq: 01 Nov 2019 12:21

Instrument :

MSVOA_D

ClientSampleId :

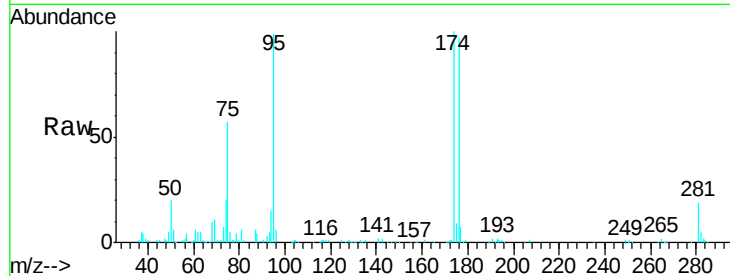
VD1101SBL01

Tgt Ion: 75 Resp: 73277

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

50000

40000

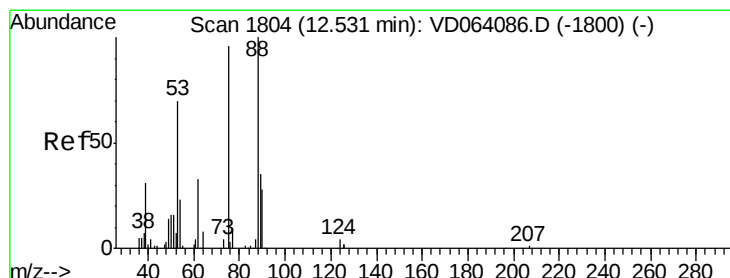
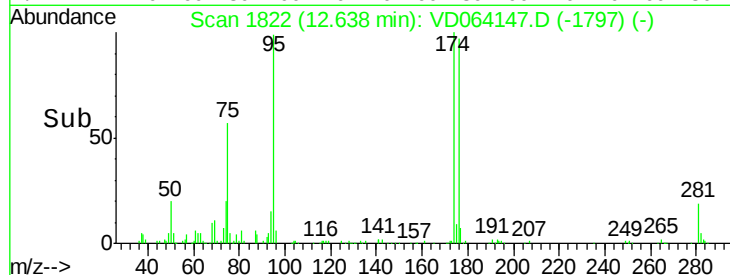
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 127.080 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064147.D

Acq: 01 Nov 2019 12:21

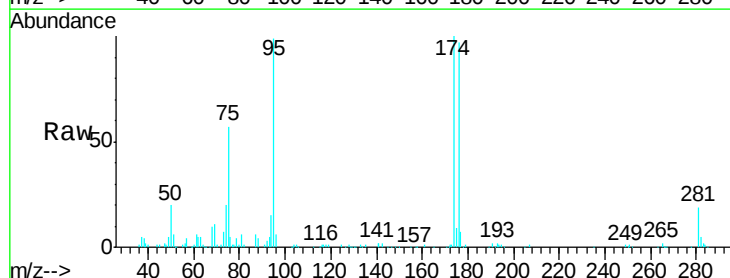
Tgt Ion: 75 Resp: 73277

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.1 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

12.64

60000

50000

40000

30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70

