

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065619.D
 Acq On : 13 Apr 2020 16:18
 Operator : VA/SY
 Sample : L2229-07
 Misc : 6.49G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-31

Quant Time: Apr 14 02:12:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	479826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	841874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	824361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	352373	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	252504	55.64	ug/l	0.00
Spiked Amount			Recovery	=	111.28%	
35) Dibromofluoromethane	7.92	113	289970	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	10.34	98	988856	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
62) 4-Bromofluorobenzene	12.64	95	325041	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	

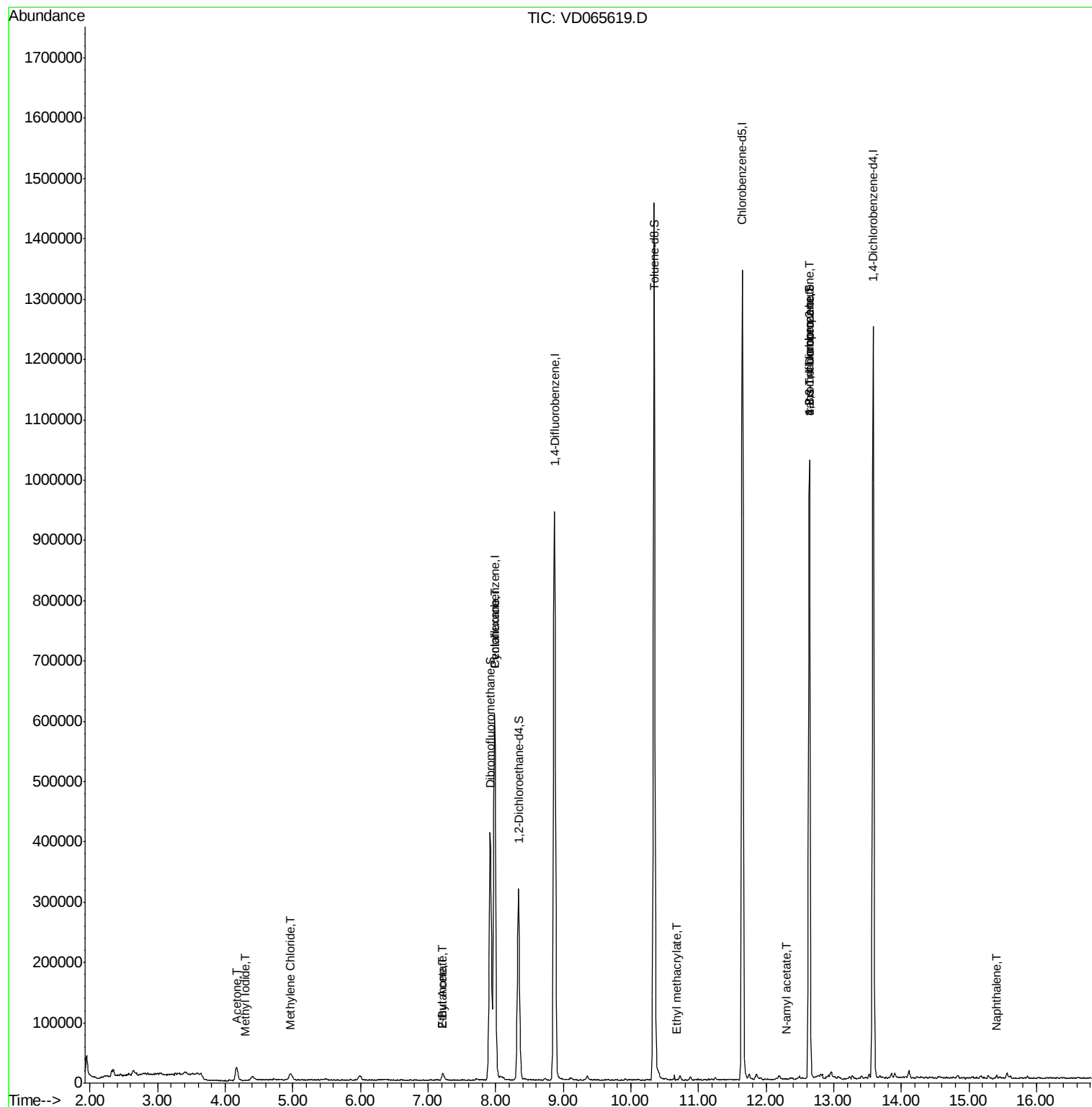
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	615	2.684	ug/l #	41
16) Acetone	4.16	43	40449	49.361	ug/l	93
20) Methylene Chloride	4.97	84	8357	1.543	ug/l	91
25) 2-Butanone	7.22	43	11115	9.910	ug/l	100
31) Cyclohexane	7.98	56	11055	1.366	ug/l #	1
37) Ethyl Acetate	7.22	43	11115	3.454	ug/l #	78
56) Ethyl methacrylate	10.67	69	234	3.353	ug/l #	20
74) N-amyl acetate	12.30	43	691	3.061	ug/l #	73
76) 1,2,3-Trichloropropane	12.64	75	157109	55.592	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	157109	128.772	ug/l #	13
95) Naphthalene	15.41	128	3510	4.272	ug/l #	88

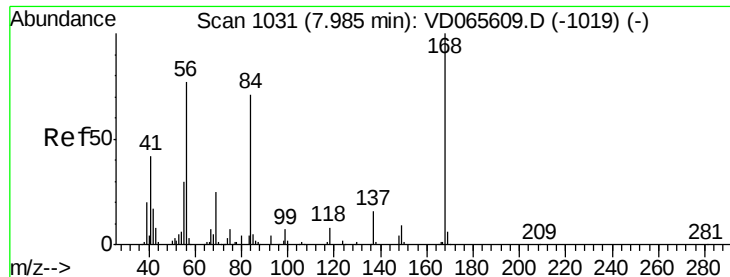
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041320\
Data File : VD065619.D
Acq On : 13 Apr 2020 16:18
Operator : VA/SY
Sample : L2229-07
Misc : 6.49G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-31

Quant Time: Apr 14 02:12:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 10 01:39:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065619.D

Acq: 13 Apr 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

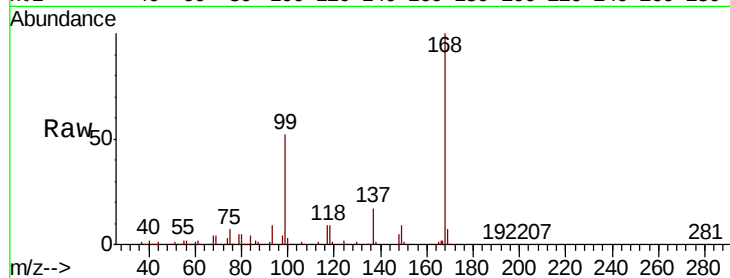
TP-31

Tot Ion:168 Resp: 479826

Ion Ratio Lower Upper

168 100

99 51.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

200000

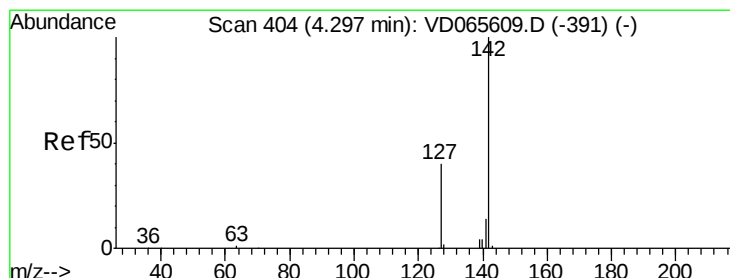
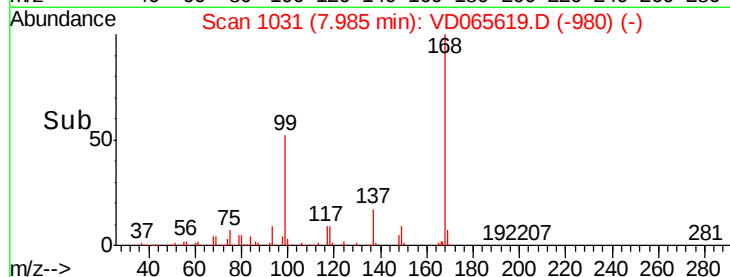
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.684 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065619.D

Acq: 13 Apr 2020 16:18

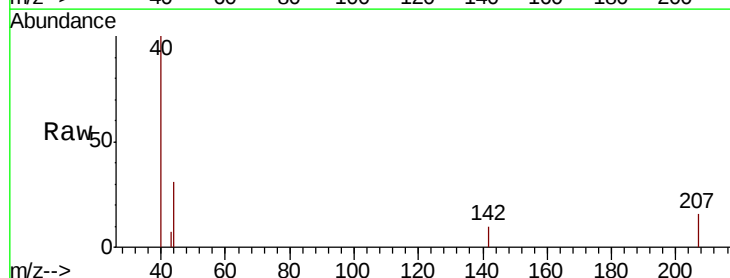
Tgt Ion:142 Resp: 615

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

400

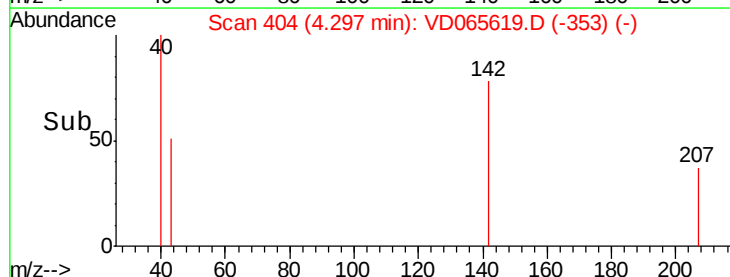
300

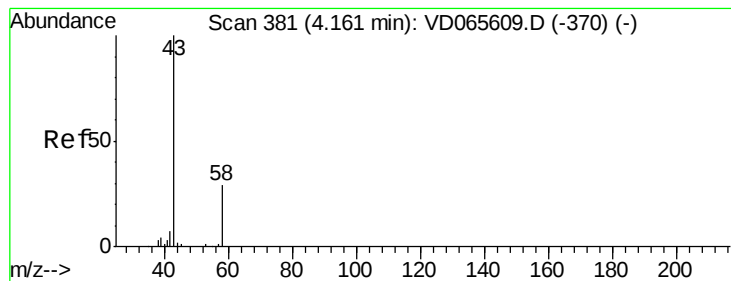
200

100

0

Time-->





#16

Acetone

Concen: 49.361 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD065619.D

Acq: 13 Apr 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

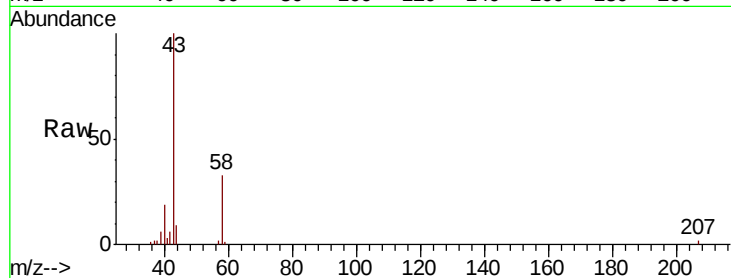
TP-31

Tot Ion: 43 Resp: 40449

Ion Ratio Lower Upper

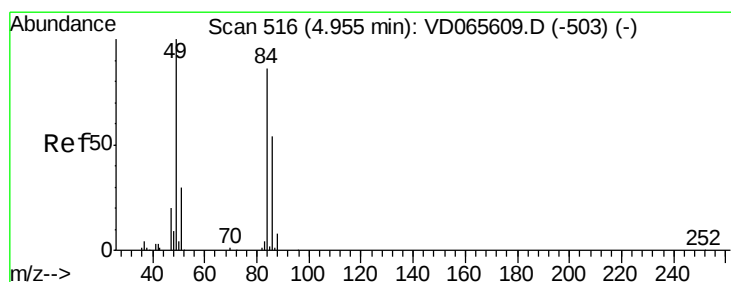
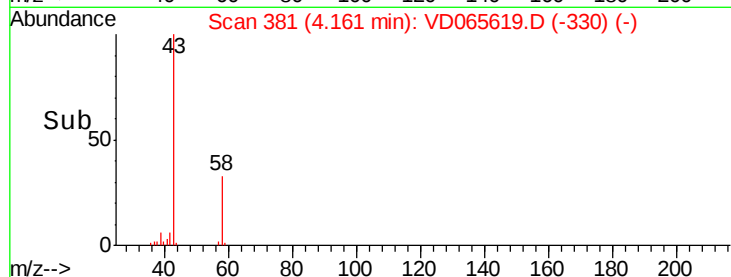
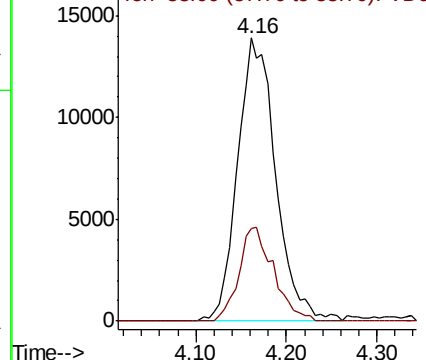
43 100

58 32.5 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 1.543 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD065619.D

Acq: 13 Apr 2020 16:18

Tgt Ion: 84 Resp: 8357

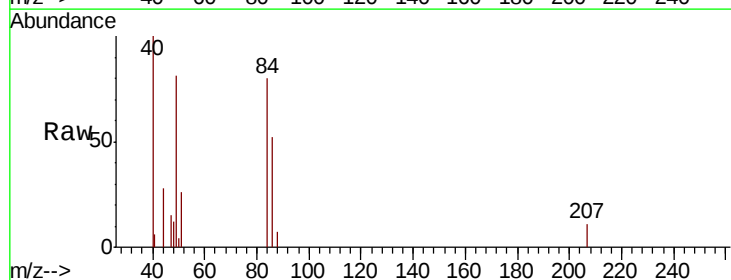
Ion Ratio Lower Upper

84 100

49 101.8 93.4 140.2

51 32.6 28.5 42.7

86 64.7 50.2 75.4

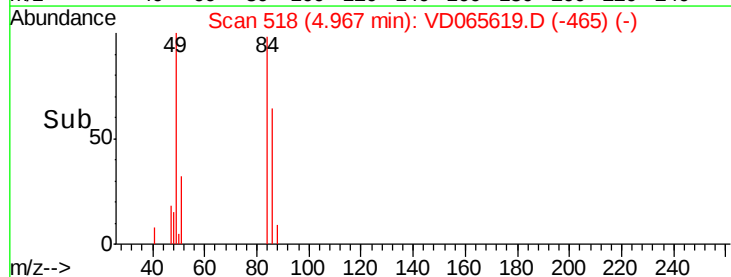
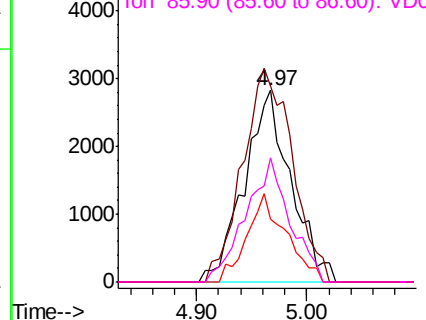


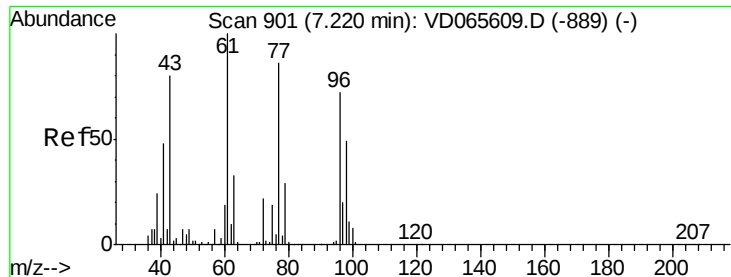
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 9.910 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065619.D

Acq: 13 Apr 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

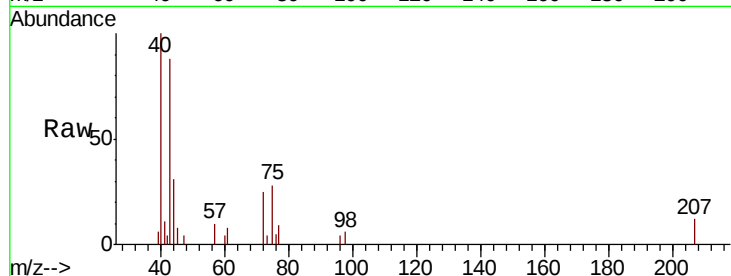
TP-31

Tot Ion: 43 Resp: 11115

Ion Ratio Lower Upper

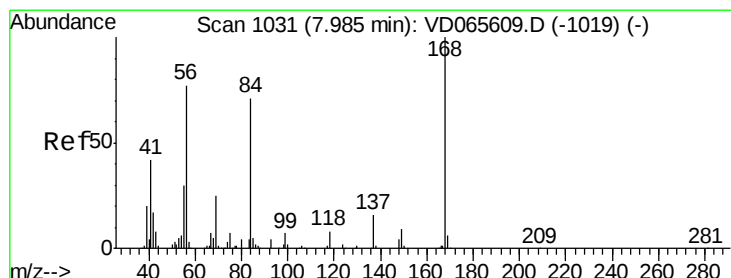
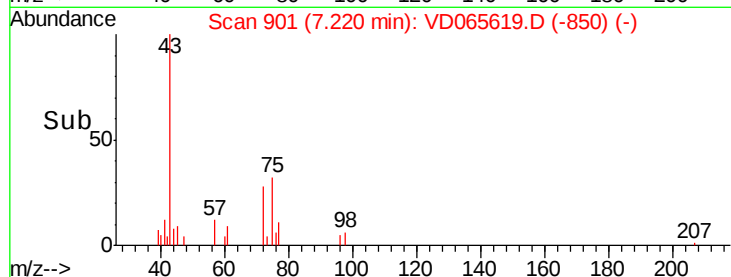
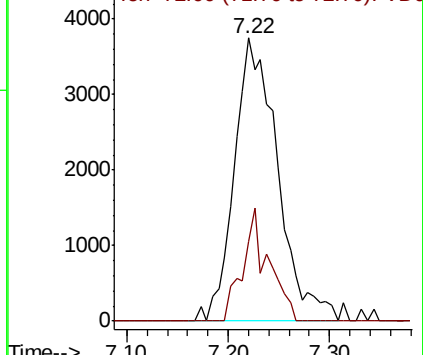
43 100

72 28.1 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.366 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065619.D

Acq: 13 Apr 2020 16:18

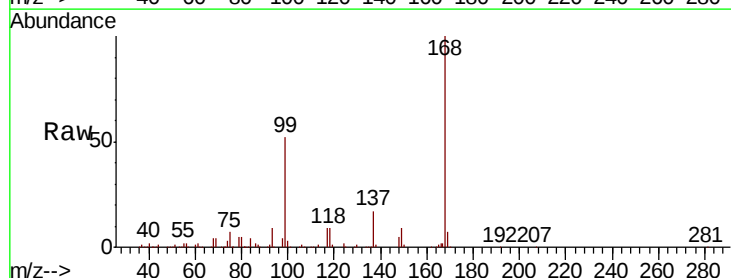
Tgt Ion: 56 Resp: 11055

Ion Ratio Lower Upper

56 100

69 168.0 26.2 39.4#

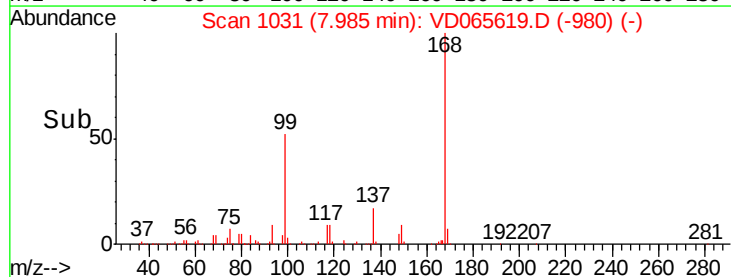
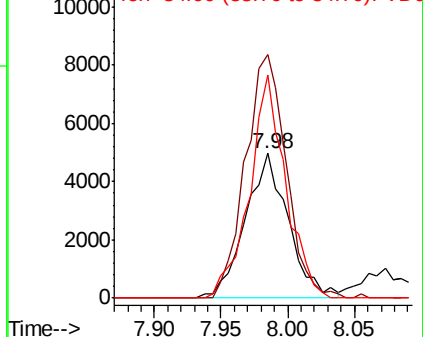
84 154.4 73.7 110.5#

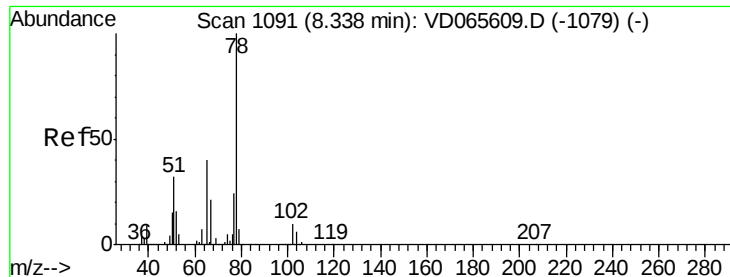


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

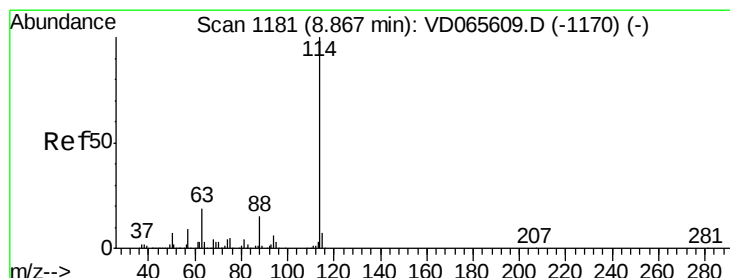
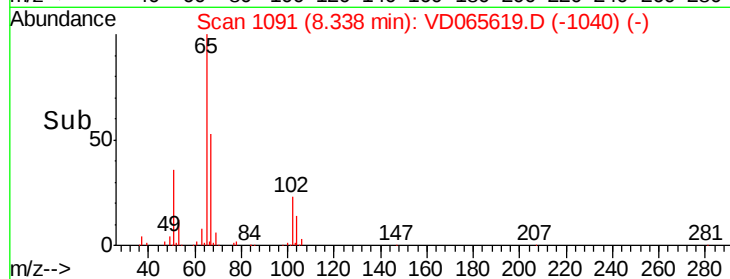
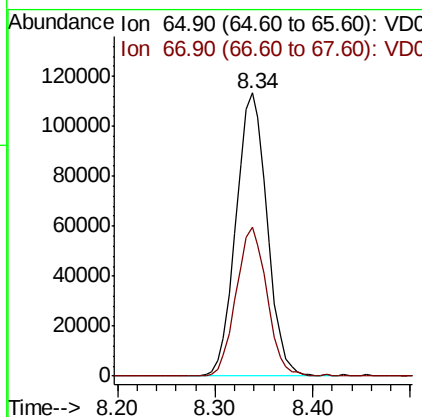
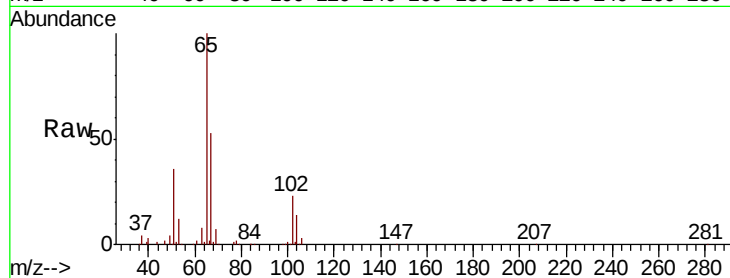




#33
 1,2-Dichloroethane-d4
 Concen: 55.642 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065619.D
 Acq: 13 Apr 2020 16:18

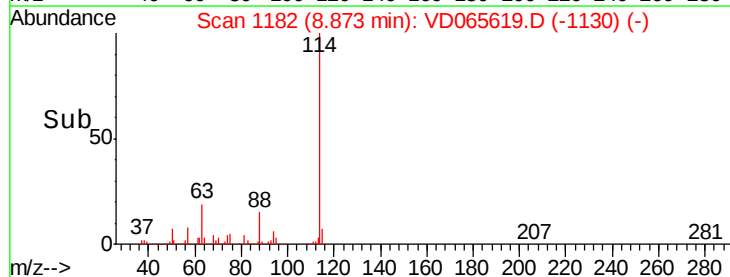
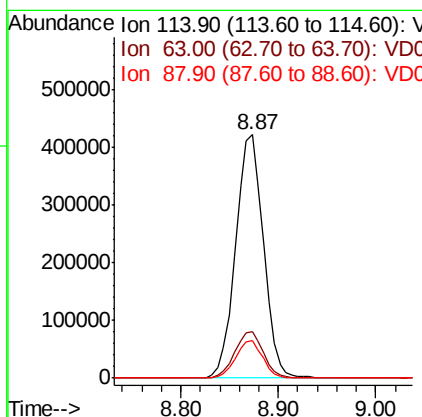
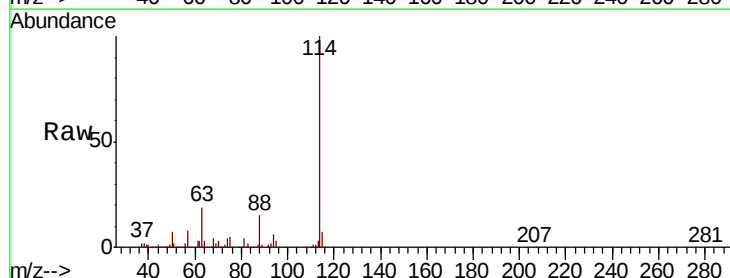
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-31

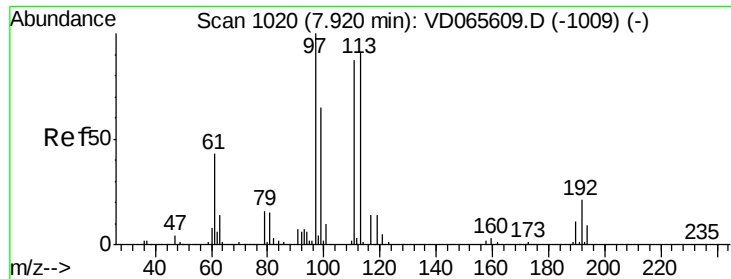
Tot Ion: 65 Resp: 252504
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065619.D
 Acq: 13 Apr 2020 16:18

Tgt Ion: 114 Resp: 841874
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.2
 88 15.2 0.0 29.6

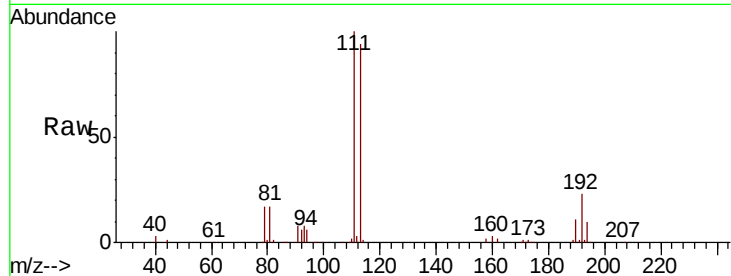




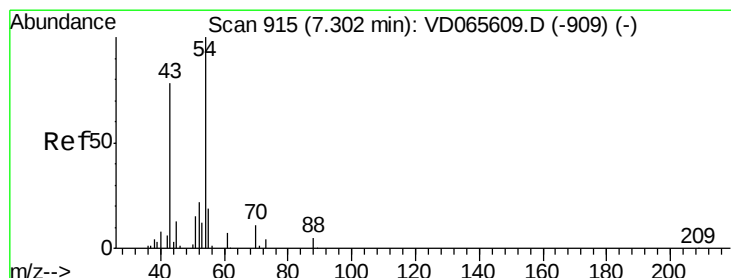
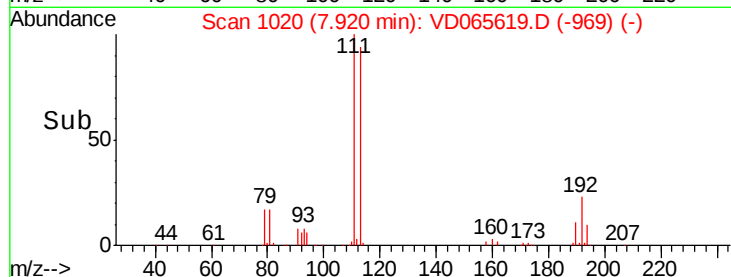
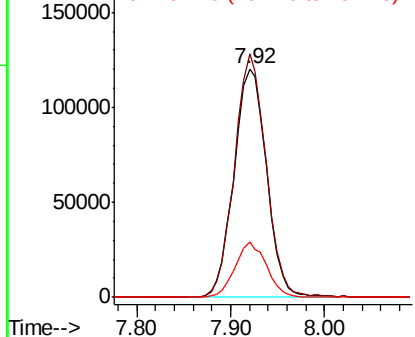
#35
Dibromofluoromethane
Concen: 49.301 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065619.D
Acq: 13 Apr 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
TP-31

Tot Ion:113 Resp: 289970
Ion Ratio Lower Upper
113 100
111 103.1 80.6 120.8
192 23.3 18.6 27.8

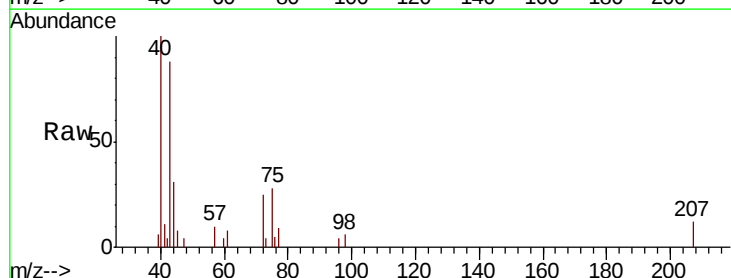


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

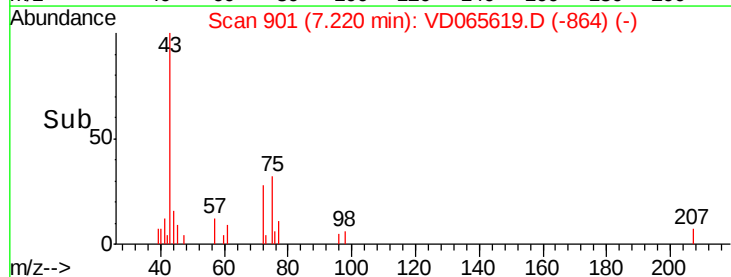
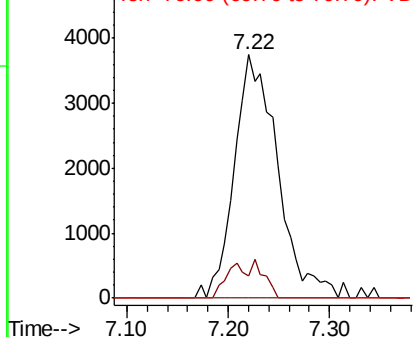


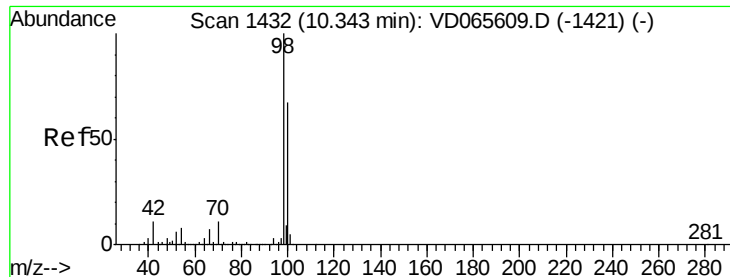
#37
Ethyl Acetate
Concen: 3.454 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.08 min
Lab File: VD065619.D
Acq: 13 Apr 2020 16:18

Tgt Ion: 43 Resp: 11115
Ion Ratio Lower Upper
43 100
61 7.0 11.3 16.9#
70 0.0 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

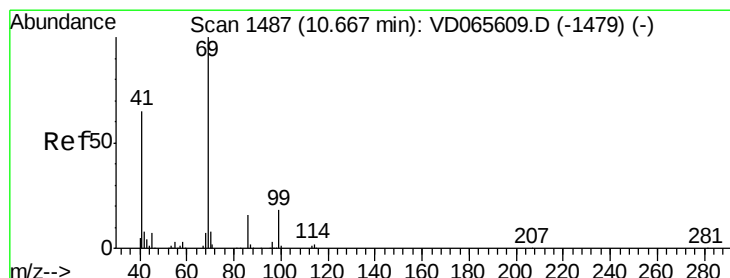
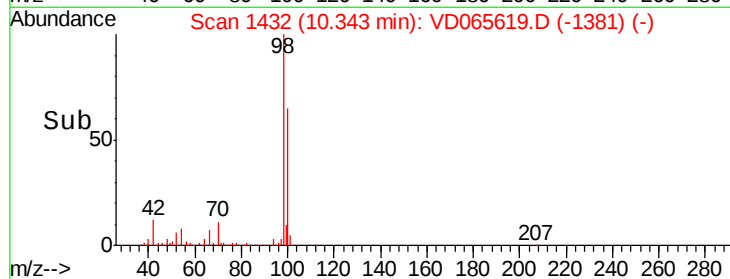
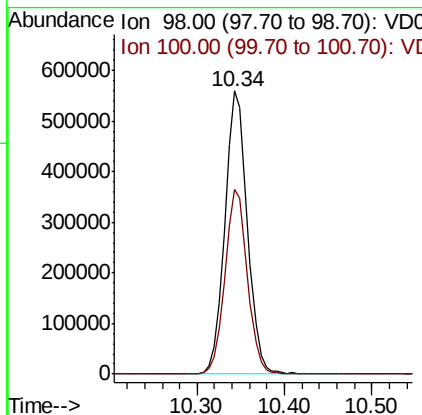
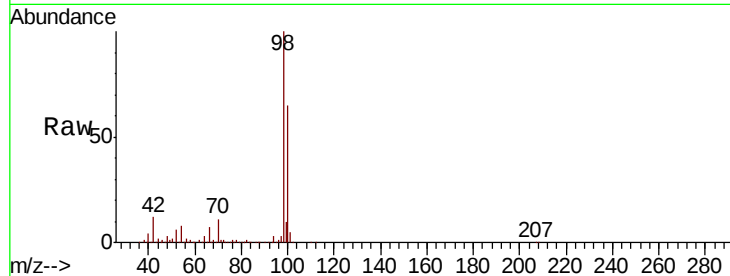




#50
Toluene-d8
Concen: 46.041 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065619.D
Acq: 13 Apr 2020 16:18

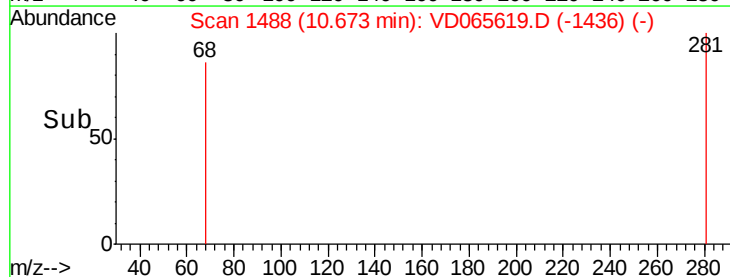
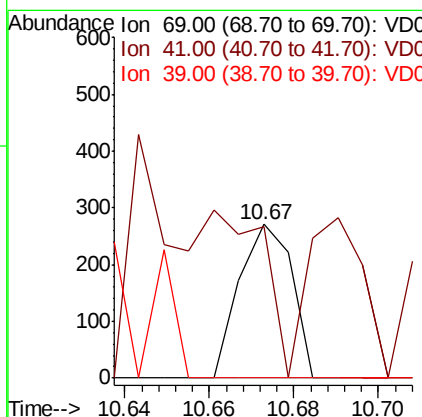
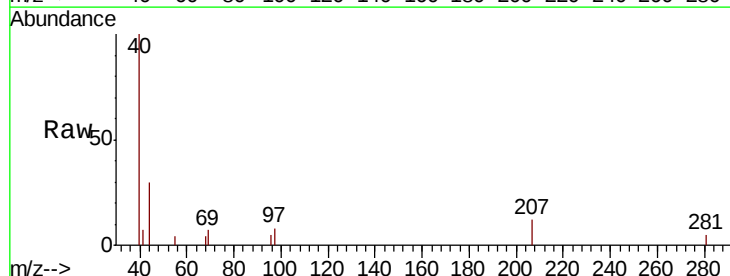
Instrument :
MSVOA_D
ClientSampled :
TP-31

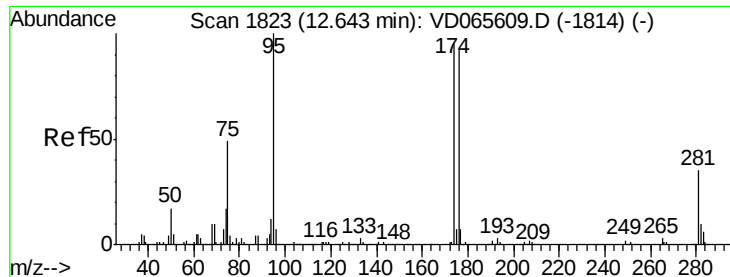
Tot Ion: 98 Resp: 988856
Ion Ratio Lower Upper
98 100
100 65.0 52.6 79.0



#56
Ethyl methacrylate
Concen: 3.353 ug/l
RT: 10.67 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VD065619.D
Acq: 13 Apr 2020 16:18

Tgt Ion: 69 Resp: 234
Ion Ratio Lower Upper
69 100
41 140.6 54.4 81.6#
39 0.0 26.5 39.7#





#62

4-Bromofluorobenzene

Concen: 47.095 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VD065619.D

Acq: 13 Apr 2020 16:18

Instrument :

MSVOA_D

ClientSampled :

TP-31

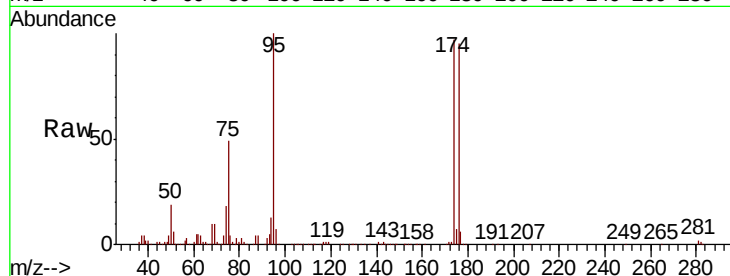
Tot Ion: 95 Resp: 325041

Ion Ratio Lower Upper

95 100

174 94.9 0.0 182.8

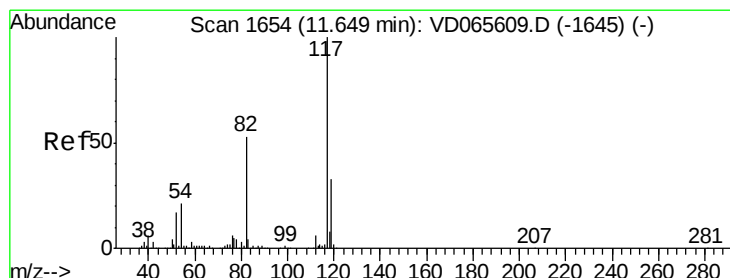
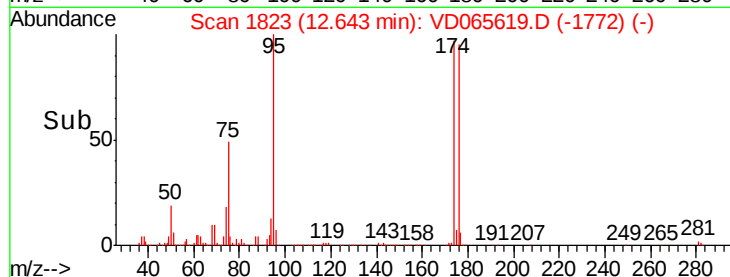
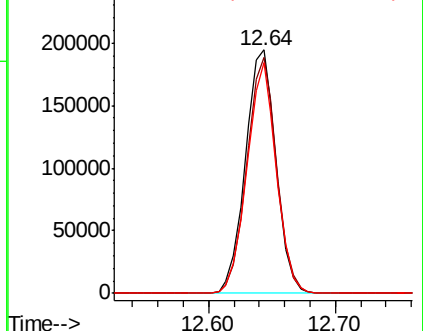
176 91.0 0.0 176.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065619.D

Acq: 13 Apr 2020 16:18

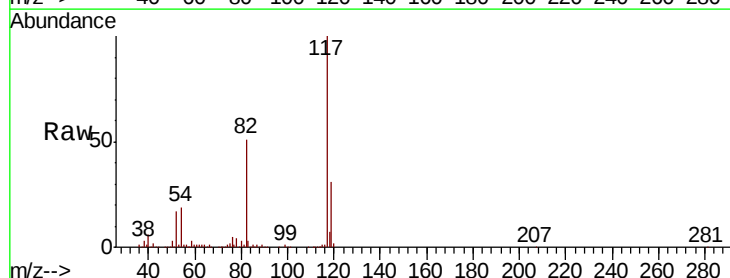
Tgt Ion: 117 Resp: 824361

Ion Ratio Lower Upper

117 100

82 51.0 42.6 64.0

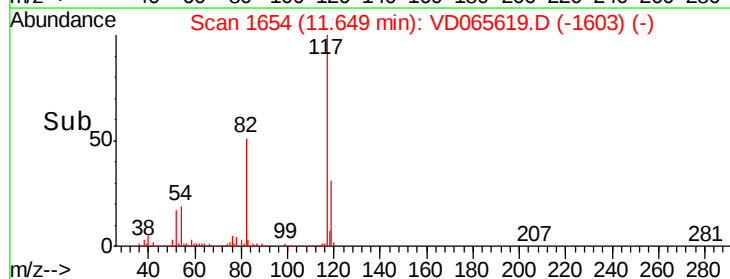
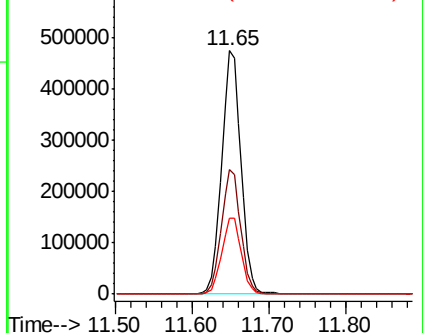
119 31.1 26.7 40.1

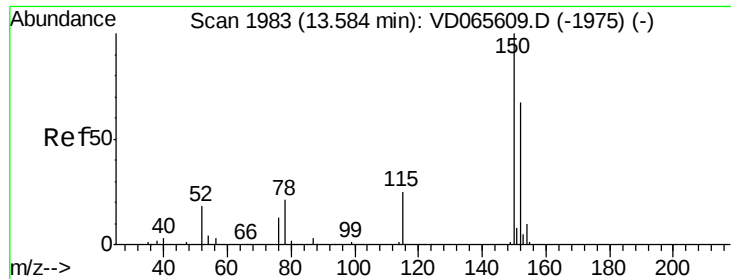


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



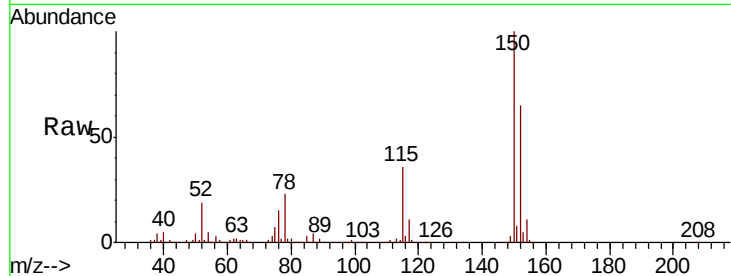


#72

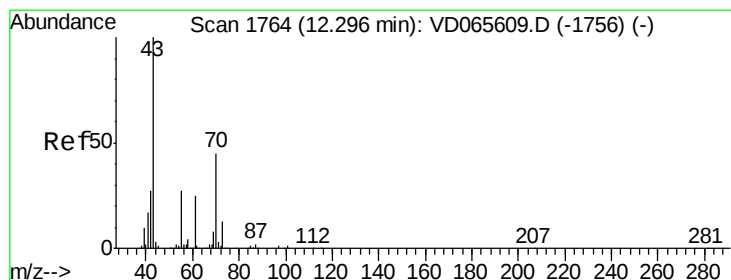
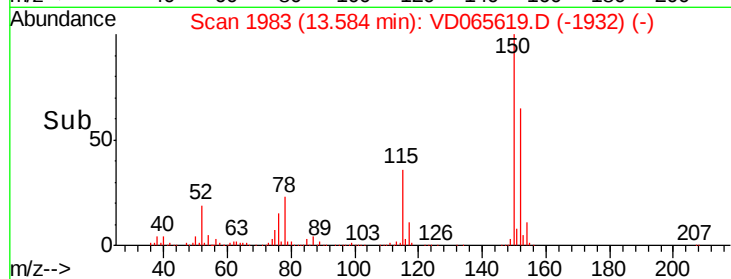
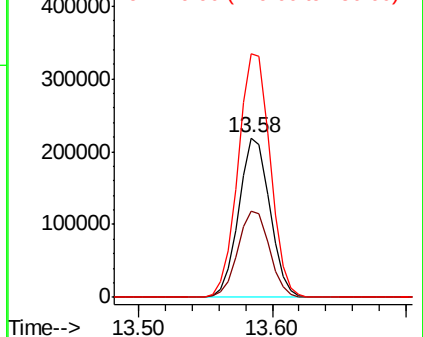
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065619.D
Acq: 13 Apr 2020 16:18

Instrument :
MSVOA_D
ClientSampleId :
TP-31

Tot Ion:152 Resp: 352373
Ion Ratio Lower Upper
152 100
115 55.4 27.1 81.2
150 157.3 0.0 348.2



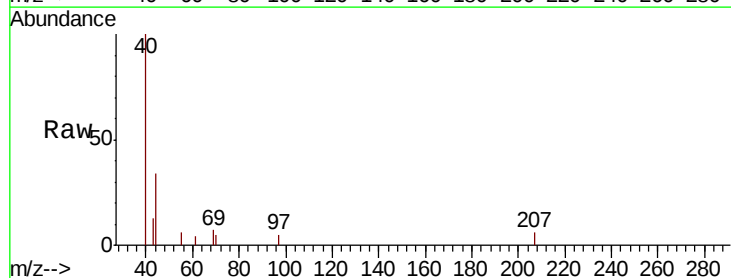
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



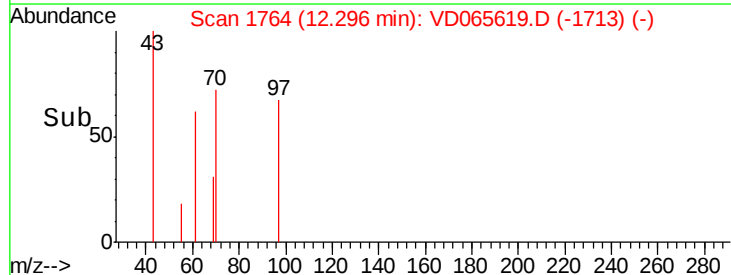
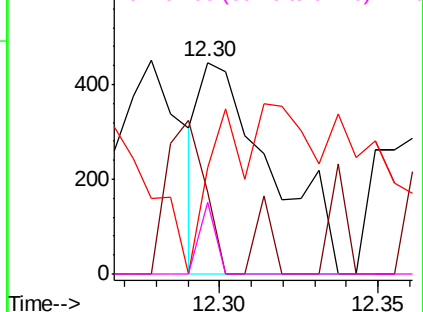
#74

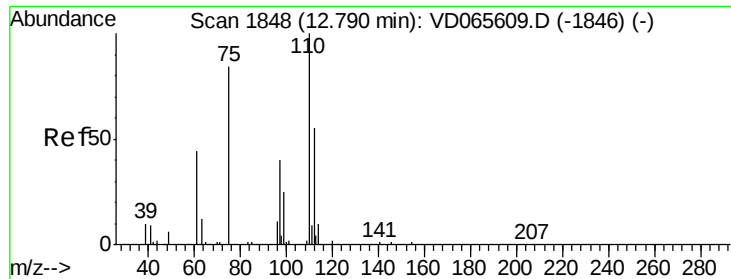
N-ethyl acetate
Concen: 3.061 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065619.D
Acq: 13 Apr 2020 16:18

Tgt Ion: 43 Resp: 691
Ion Ratio Lower Upper
43 100
70 39.4 35.2 52.8
55 0.0 22.5 33.7#
61 7.7 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 61.00 (60.70 to 61.70): VDC





#76

1,2,3-Trichloropropane

Concen: 55.592 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065619.D

Acq: 13 Apr 2020 16:18

Instrument :

MSVOA_D

ClientSampled :

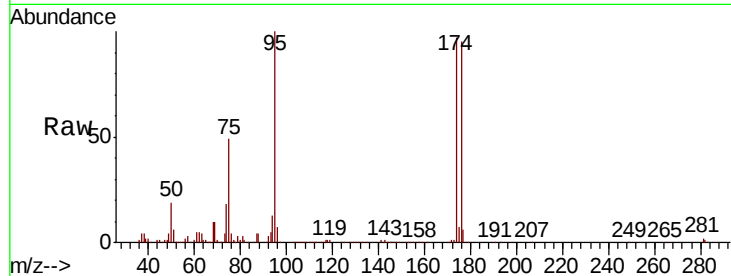
TP-31

Tot Ion: 75 Resp: 157109

Ion Ratio Lower Upper

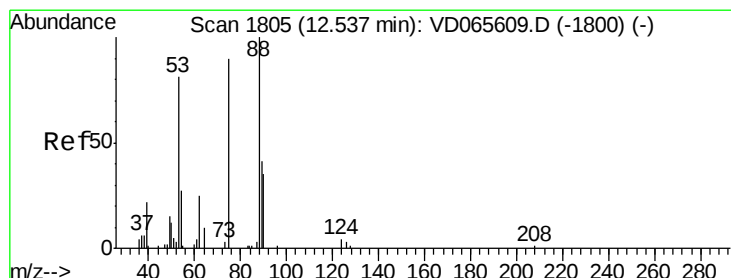
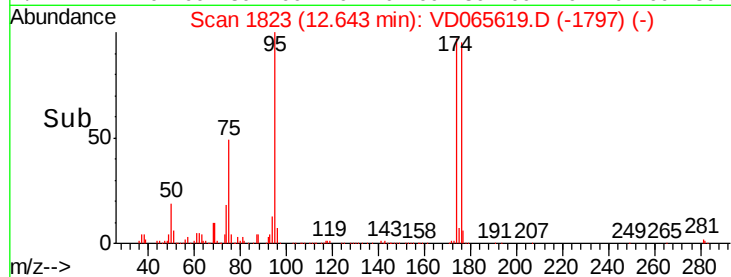
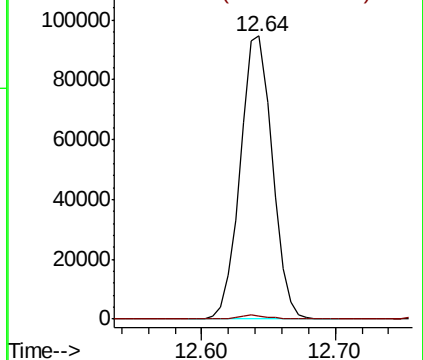
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 128.772 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065619.D

Acq: 13 Apr 2020 16:18

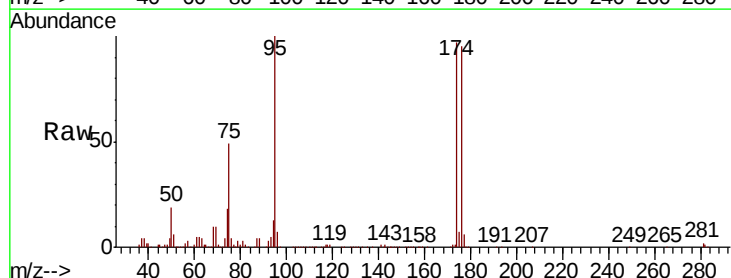
Tgt Ion: 75 Resp: 157109

Ion Ratio Lower Upper

75 100

53 0.3 73.8 110.8#

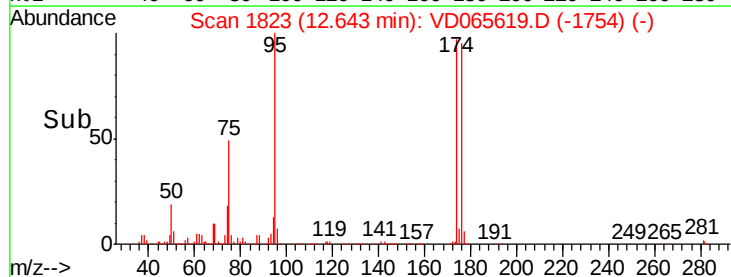
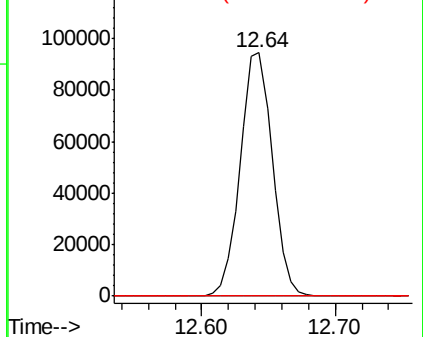
89 0.0 36.1 54.1#

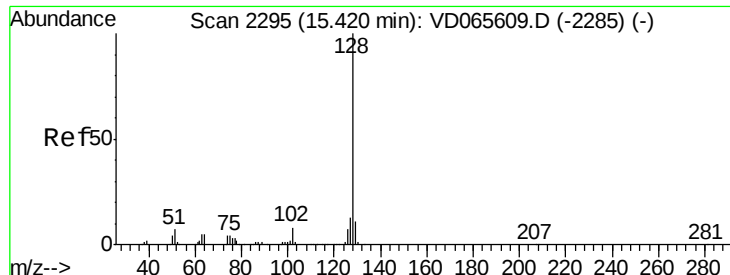


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.272 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.01 min

Lab File: VD065619.D

Acq: 13 Apr 2020 16:18

Instrument :

MSVOA_D

ClientSampleId :

TP-31

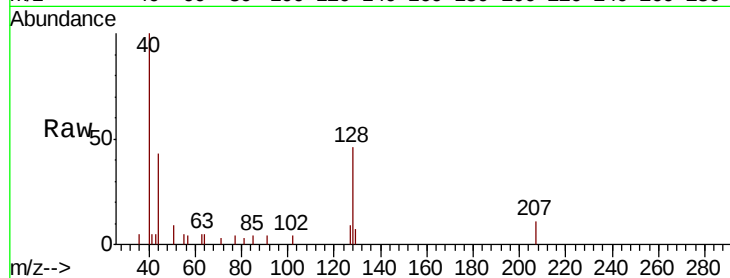
Tot Ion:128 Resp: 3510

Ion Ratio Lower Upper

128 100

127 19.8 10.6 15.8#

129 8.0 8.4 12.6#



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

