

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065628.D
 Acq On : 13 Apr 2020 20:36
 Operator : VA/SY
 Sample : L2230-15
 Misc : 5.23G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-18

Quant Time: Apr 14 02:14:40 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	351278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	721504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	760715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	350284	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	233359	70.24	ug/l	0.00
Spiked Amount			Recovery	=	140.48%	
35) Dibromofluoromethane	7.92	113	268431	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	
50) Toluene-d8	10.34	98	922044	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.64	95	308064	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	

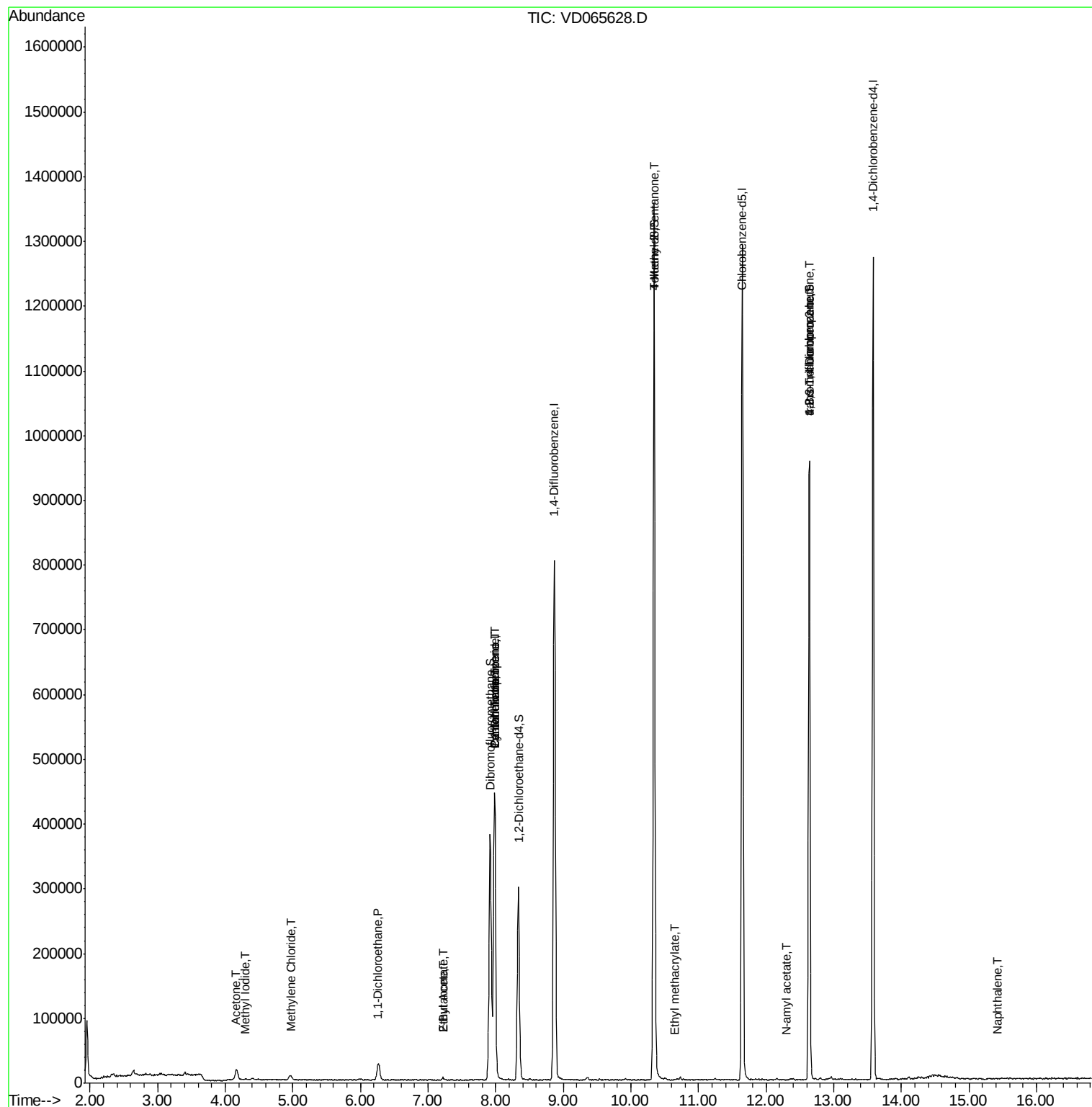
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	191	2.624	ug/l #	41
16) Acetone	4.16	43	28297	47.168	ug/l	90
20) Methylene Chloride	4.97	84	4929	1.243	ug/l	92
24) 1,1-Dichloroethane	6.27	63	36478	5.710	ug/l	98
25) 2-Butanone	7.23	43	4258	5.186	ug/l	97
31) Cyclohexane	7.98	56	7398	1.248	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	24612	3.313	ug/l #	48
37) Ethyl Acetate	7.23	43	4258	1.544	ug/l #	68
38) Carbon Tetrachloride	7.98	117	31684	3.928	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	3820	1.473	ug/l #	1
56) Ethyl methacrylate	10.65	69	55	3.324	ug/l #	9
74) N-amyl acetate	12.29	43	129	2.957	ug/l #	41
76) 1,2,3-Trichloropropane	12.64	75	150802	53.679	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	150802	124.339	ug/l #	13
95) Naphthalene	15.41	128	959	4.068	ug/l #	82

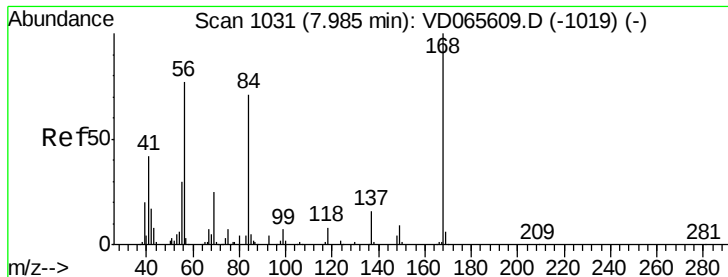
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065628.D

Acq: 13 Apr 2020 20:36

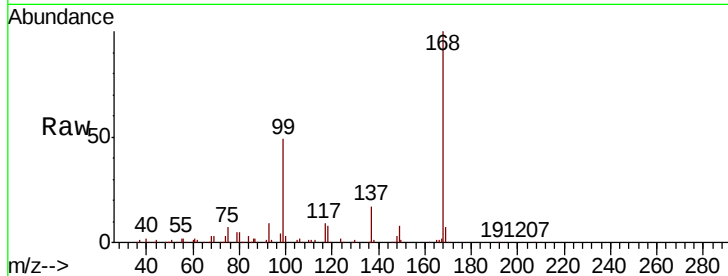
Instrument :
MSVOA_D
ClientSampleId :
TP-18

Tot Ion:168 Resp: 351278

Ion Ratio Lower Upper

168 100

99 49.0 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

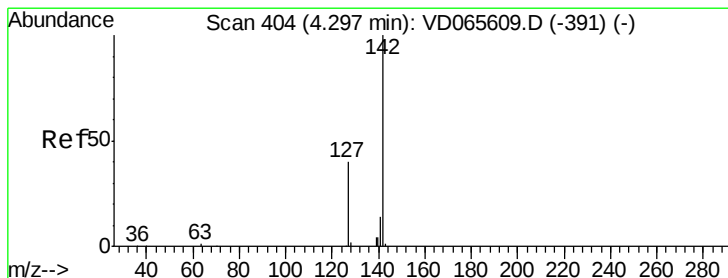
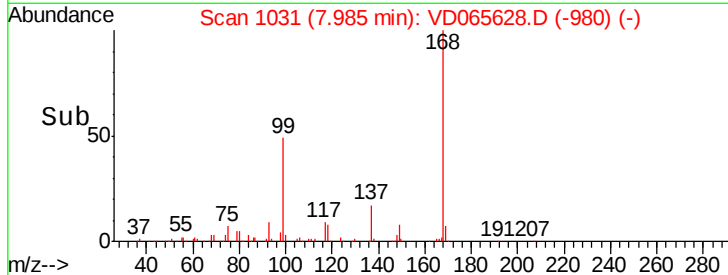
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.624 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

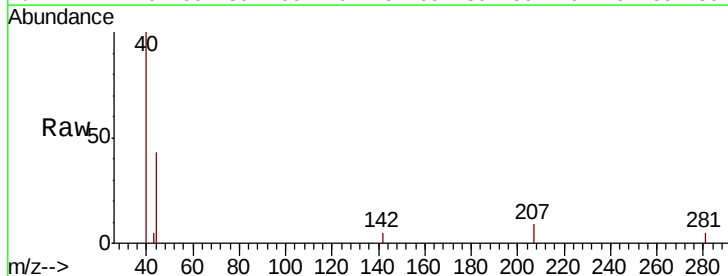
Tgt Ion:142 Resp: 191

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

250

200

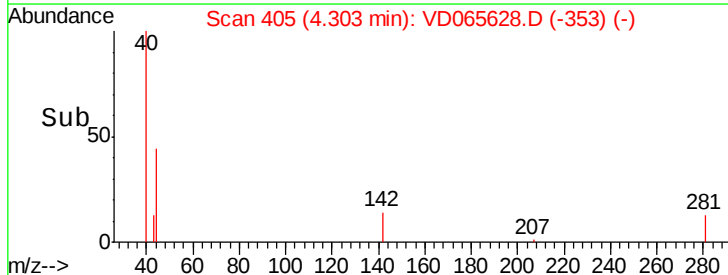
150

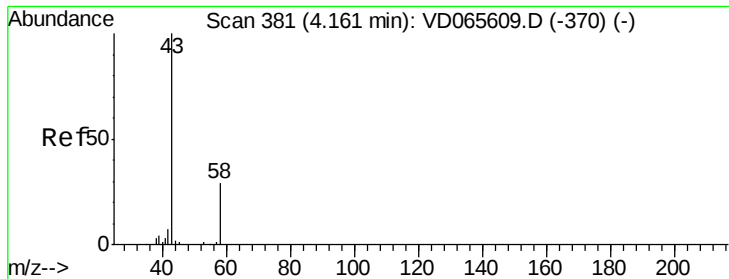
100

50

0

Time-->





#16

Acetone

Concen: 47.168 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

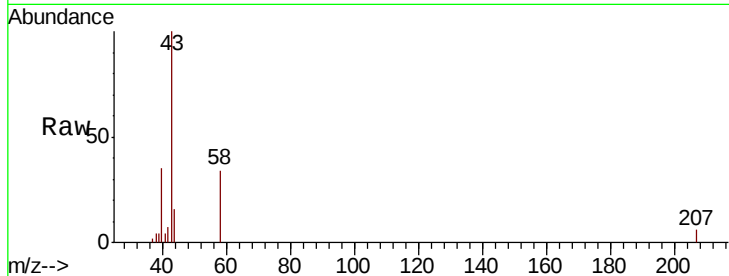
TP-18

Tot Ion: 43 Resp: 28297

Ion Ratio Lower Upper

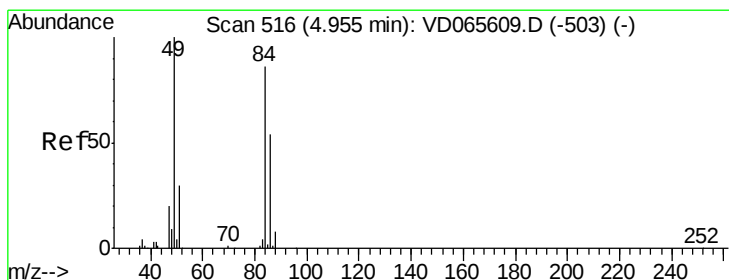
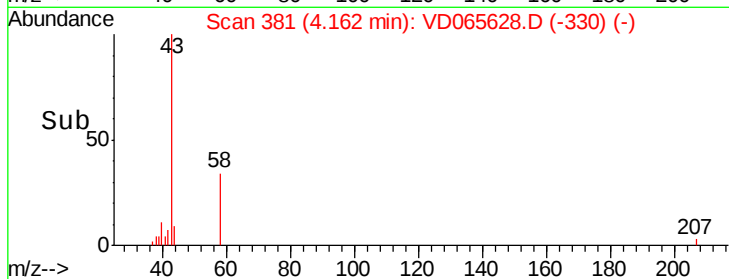
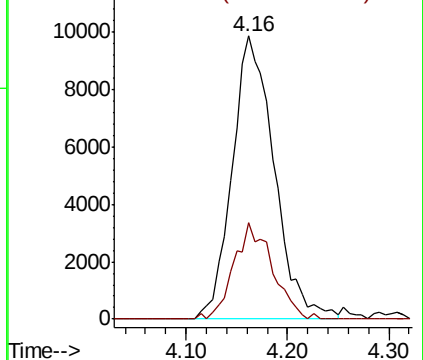
43 100

58 34.1 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: 1.243 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.02 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

Tgt Ion: 84 Resp: 4929

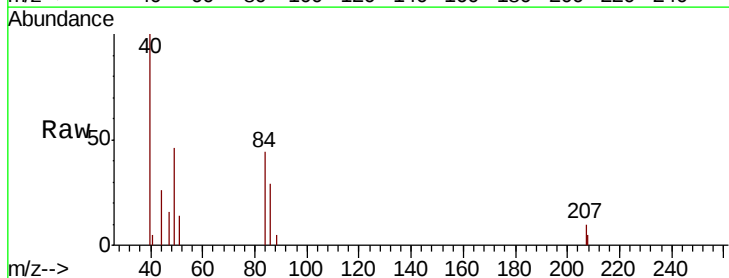
Ion Ratio Lower Upper

84 100

49 106.0 93.4 140.2

51 32.6 28.5 42.7

86 67.1 50.2 75.4

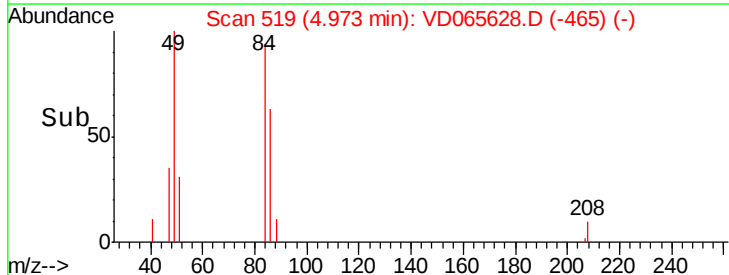
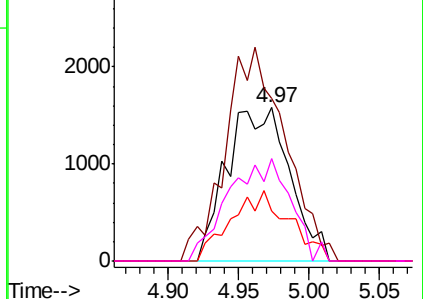


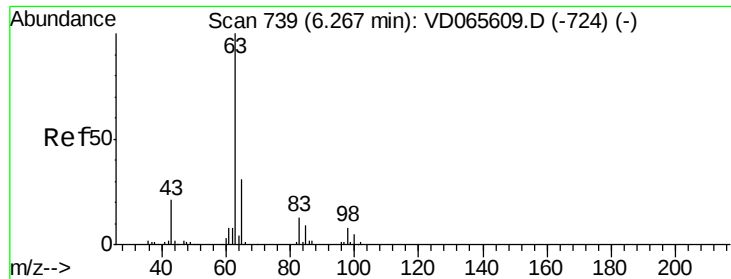
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#24

1,1-Dichloroethane

Concen: 5.710 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

Instrument :

MSVOA_D

ClientSampled :

TP-18

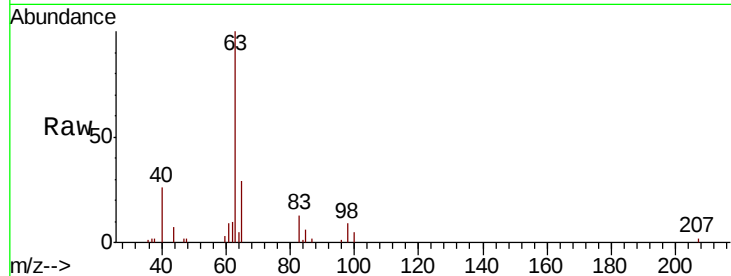
Tot Ion: 63 Resp: 36478

Ion Ratio Lower Upper

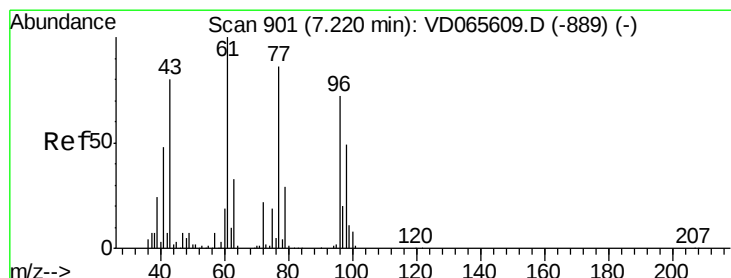
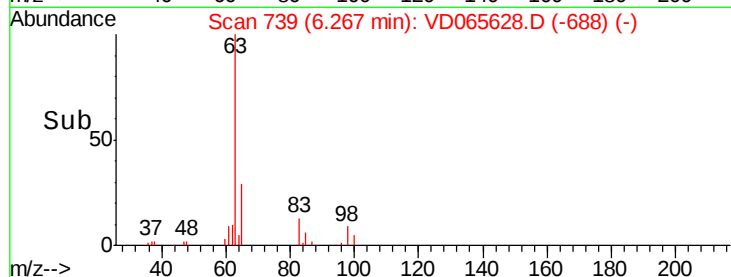
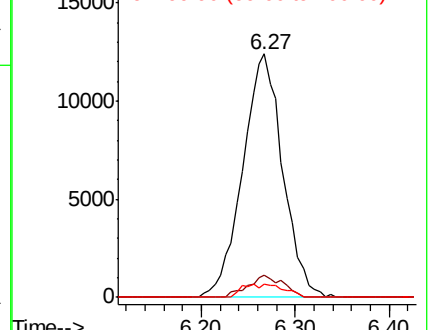
63 100

98 9.0 4.0 11.9

100 5.3 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC



#25

2-Butanone

Concen: 5.186 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065628.D

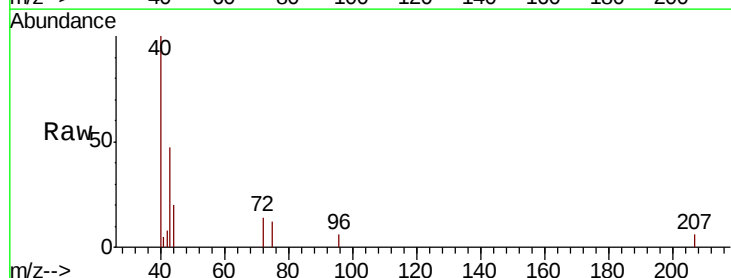
Acq: 13 Apr 2020 20:36

Tgt Ion: 43 Resp: 4258

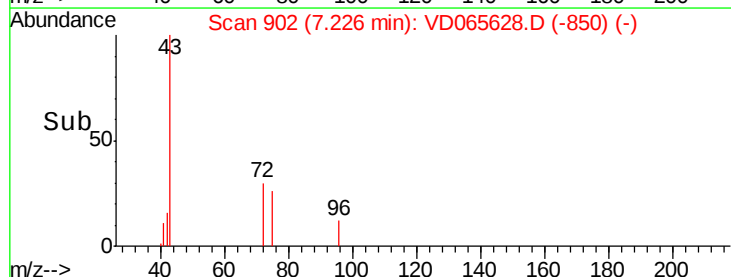
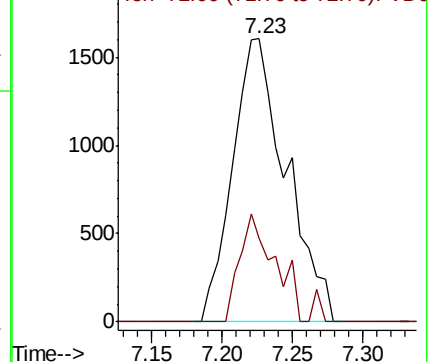
Ion Ratio Lower Upper

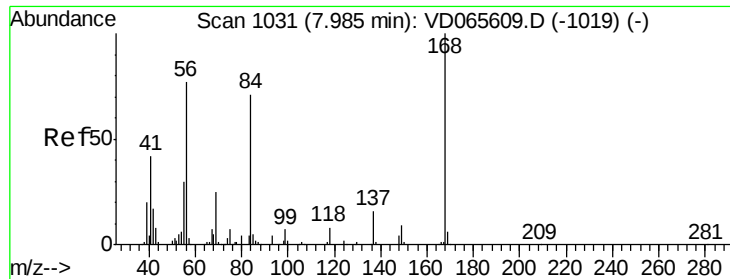
43 100

72 29.7 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

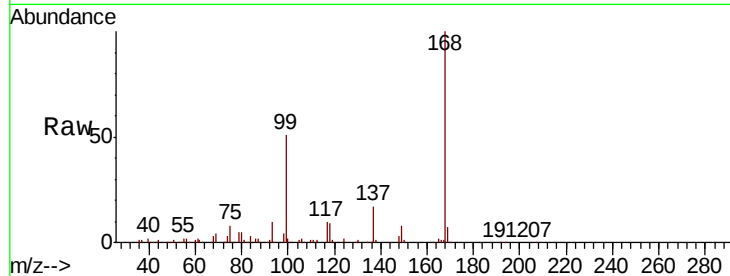




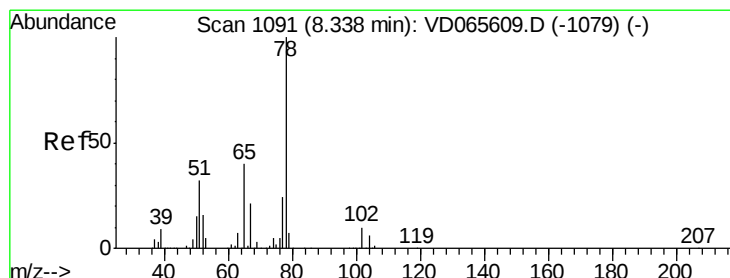
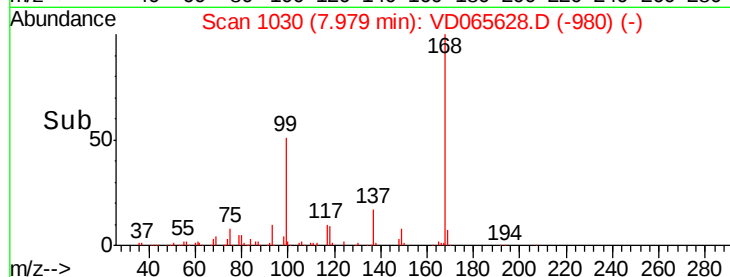
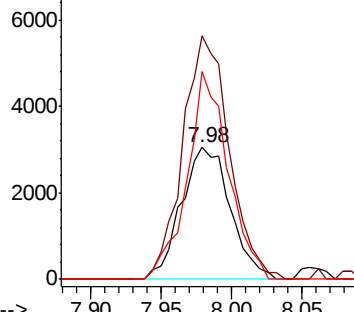
#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065628.D
Acq: 13 Apr 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
TP-18

Tot Ion: 56 Resp: 7398
Ion Ratio Lower Upper
56 100
69 184.9 26.2 39.4#
84 157.3 73.7 110.5#

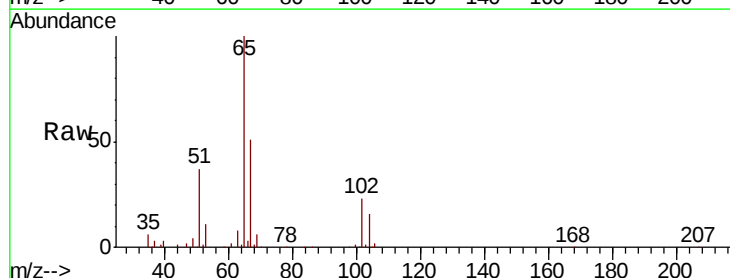


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

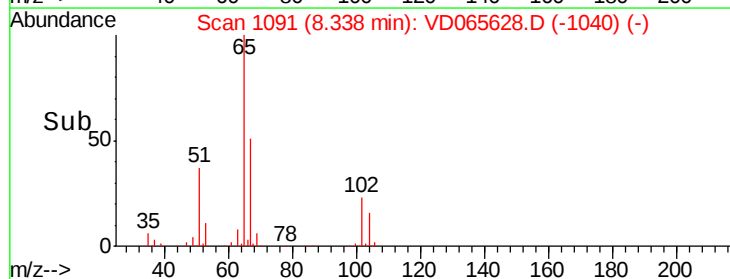
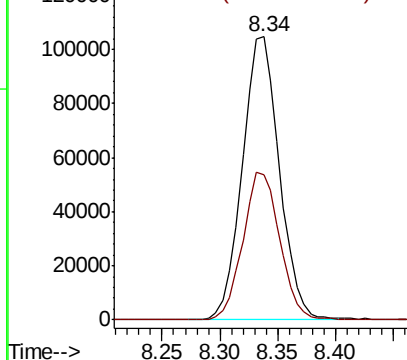


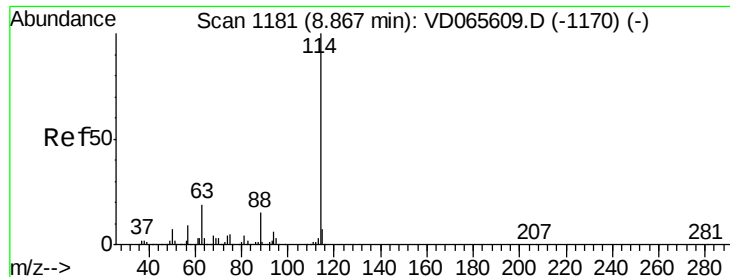
#33
1,2-Dichloroethane-d4
Concen: 70.241 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065628.D
Acq: 13 Apr 2020 20:36

Tgt Ion: 65 Resp: 233359
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.6



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

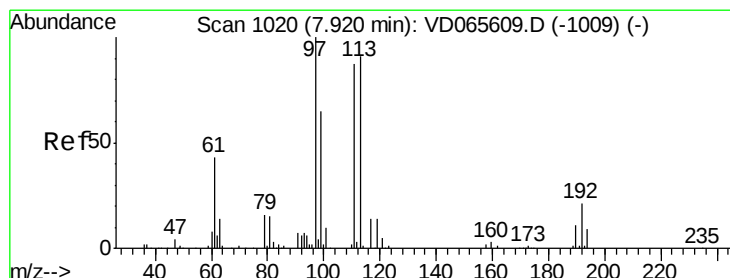
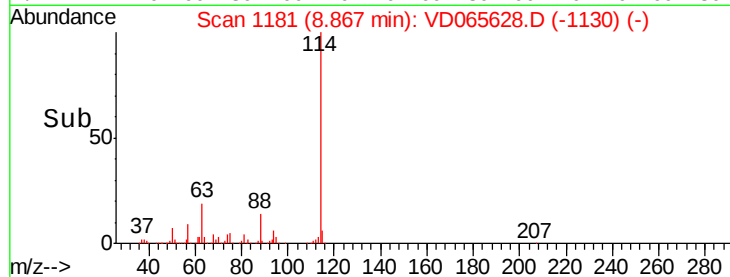
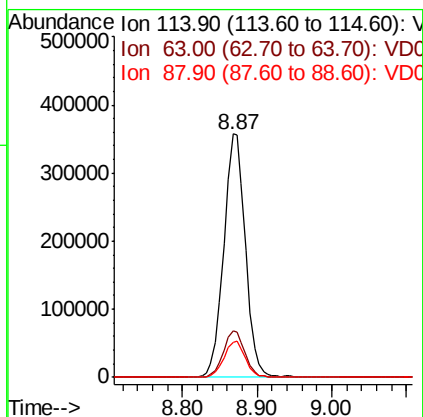
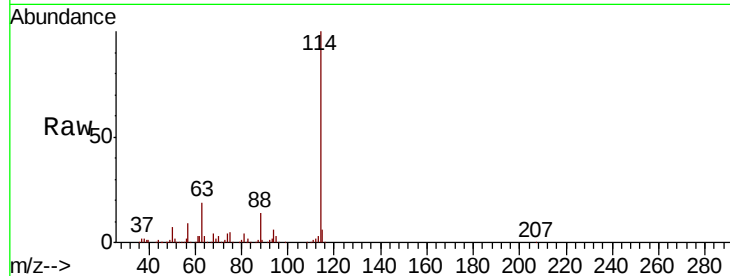




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065628.D
 Acq: 13 Apr 2020 20:36

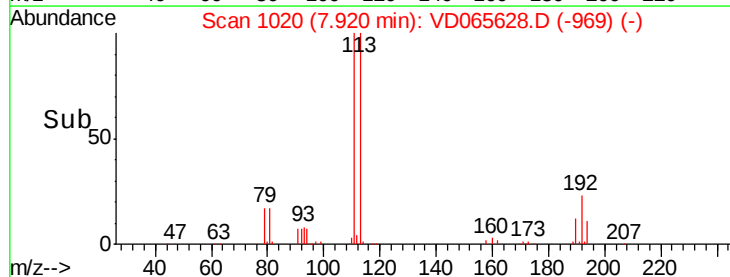
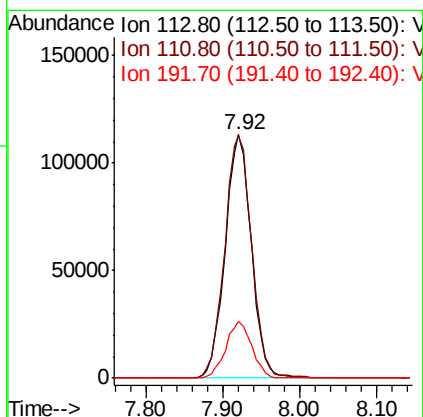
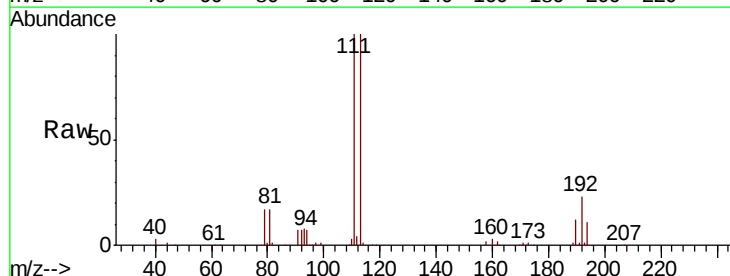
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-18

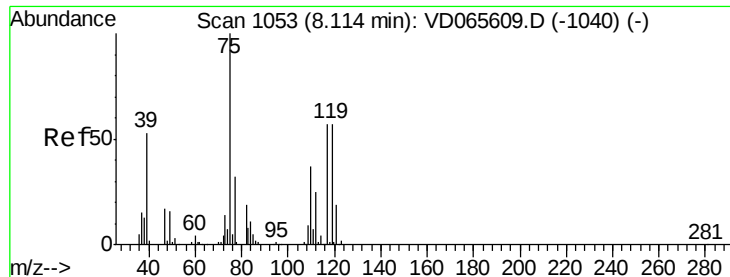
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.2
88	14.1	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 53.253 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065628.D
 Acq: 13 Apr 2020 20:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.6	120.8
192	23.1	18.6	27.8





#36

1,1-Dichloropropene

Concen: 3.313 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

TP-18

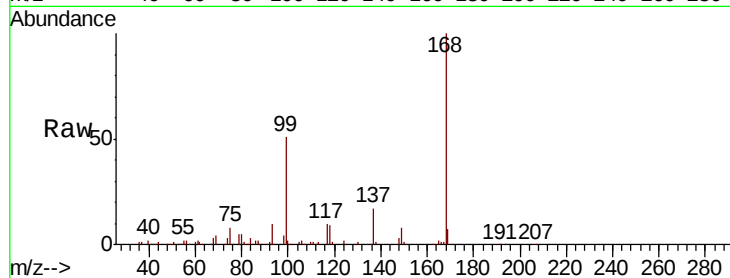
Tot Ion: 75 Resp: 24612

Ion Ratio Lower Upper

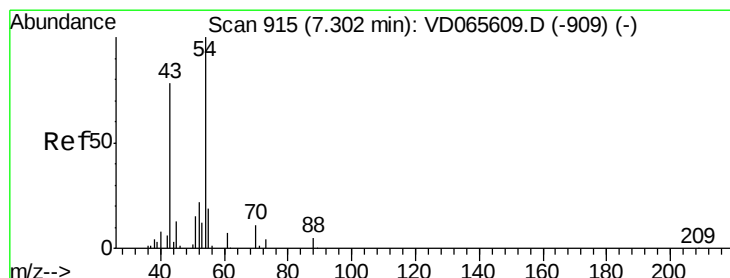
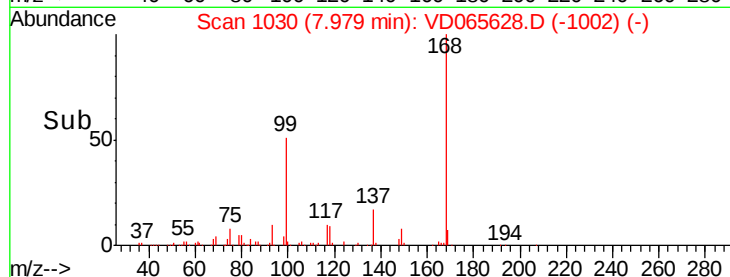
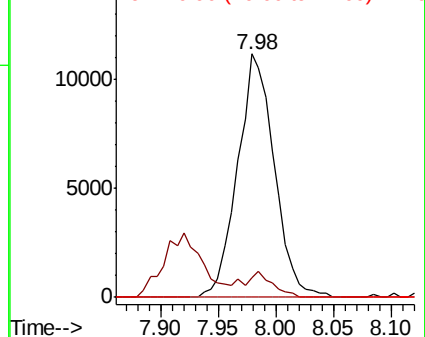
75 100

110 8.4 18.3 54.9#

77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 1.544 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.08 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

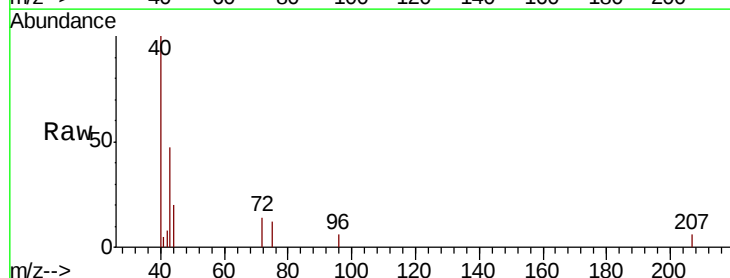
Tgt Ion: 43 Resp: 4258

Ion Ratio Lower Upper

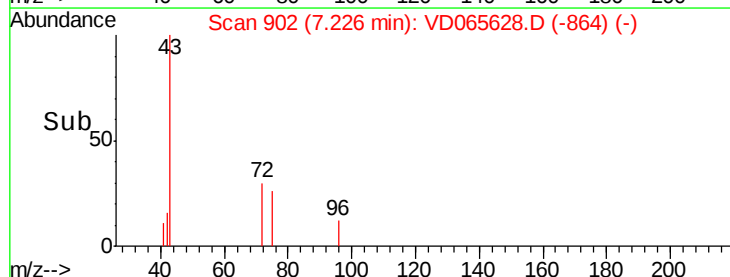
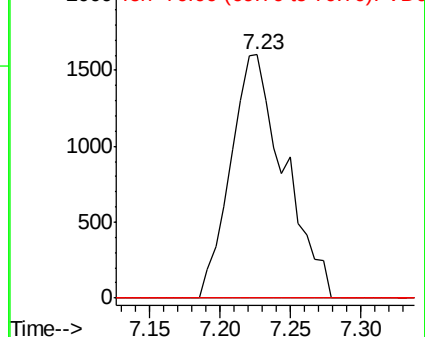
43 100

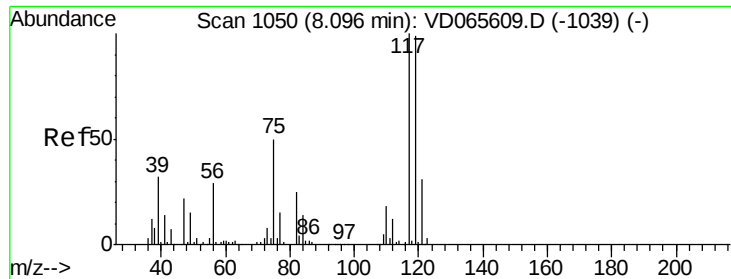
61 0.0 11.3 16.9#

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





#38

Carbon Tetrachloride

Concen: 3.928 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

Instrument :

MSVOA_D

ClientSampled :

TP-18

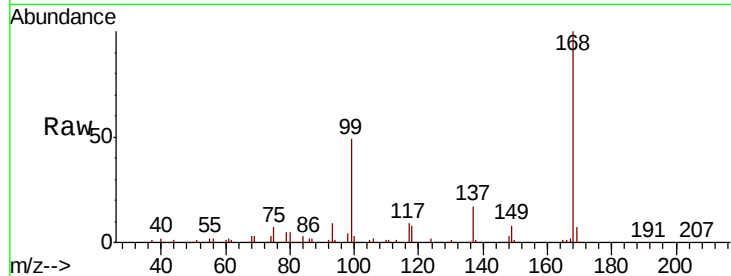
Tot Ion:117 Resp: 31684

Ion Ratio Lower Upper

117 100

119 4.5 78.9 118.3#

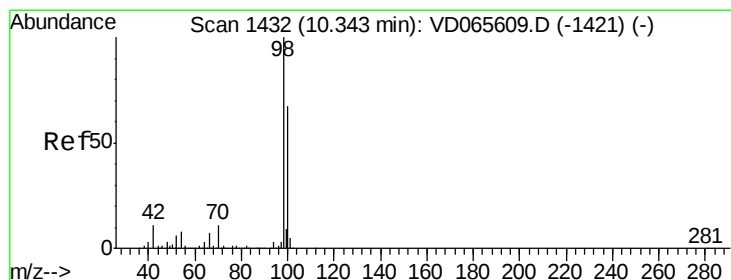
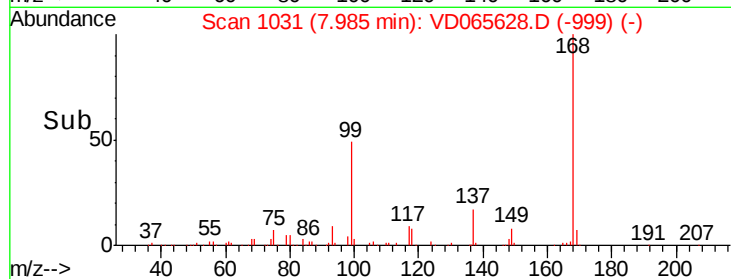
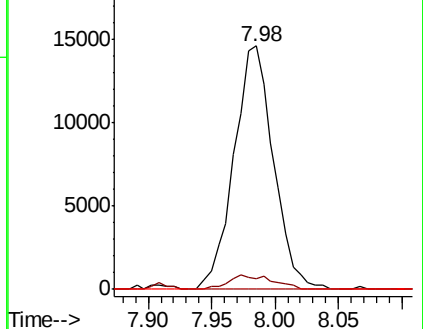
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.092 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065628.D

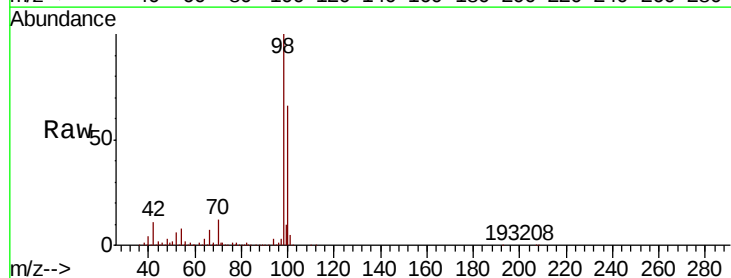
Acq: 13 Apr 2020 20:36

Tgt Ion: 98 Resp: 922044

Ion Ratio Lower Upper

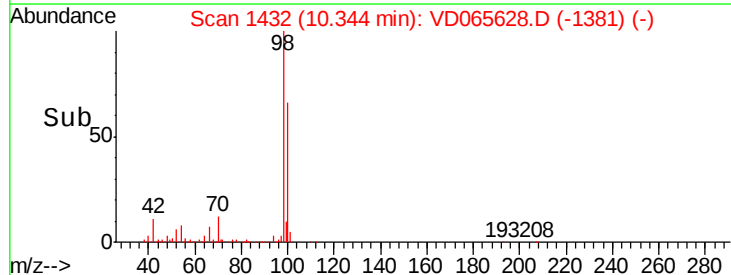
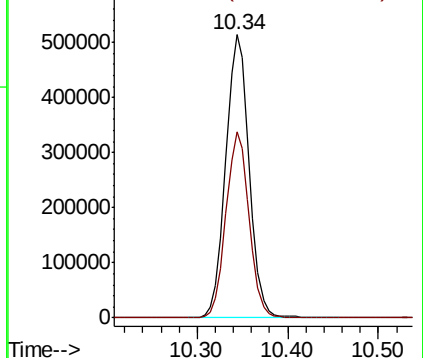
98 100

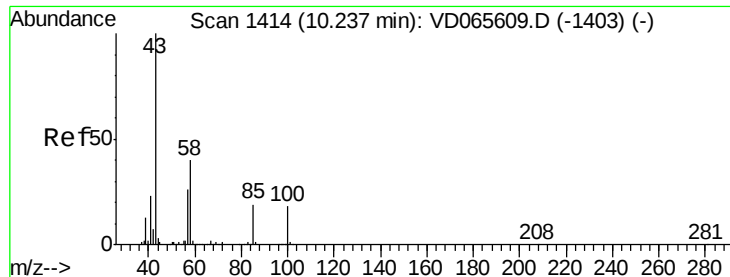
100 65.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.473 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

Instrument :

MSVOA_D

ClientSampled :

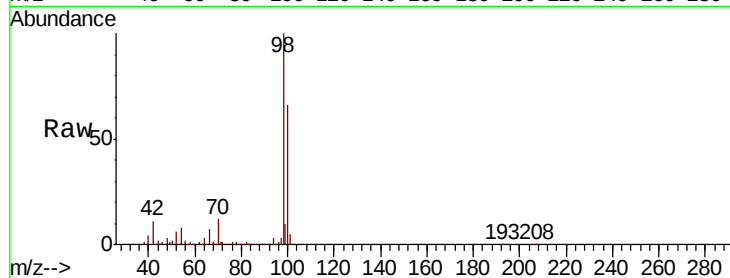
TP-18

Tot Ion: 43 Resp: 3820

Ion Ratio Lower Upper

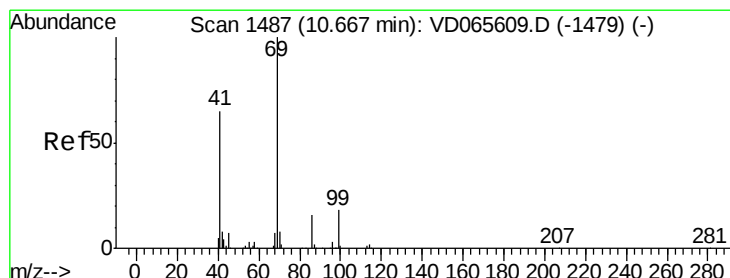
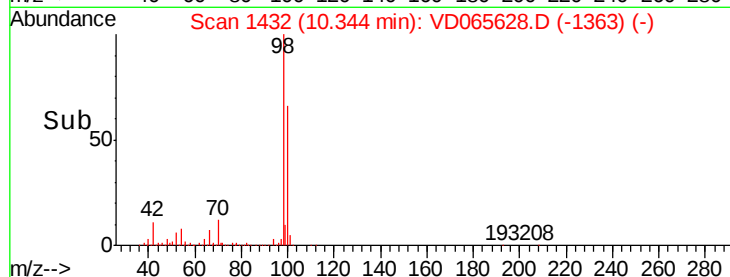
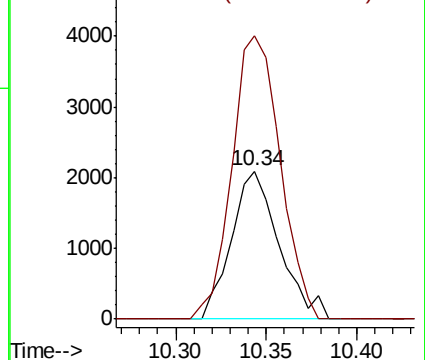
43 100

58 193.7 31.4 47.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#56

Ethyl methacrylate

Concen: 3.324 ug/l

RT: 10.65 min Scan# 1484

Delta R.T. -0.02 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

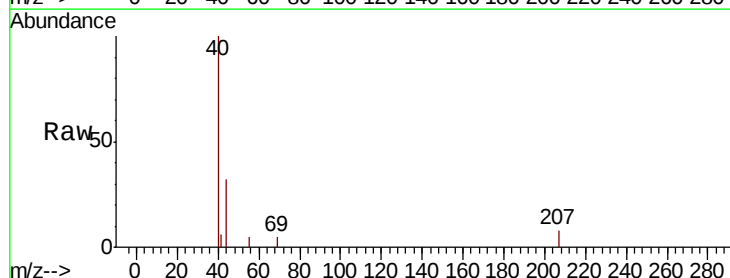
Tgt Ion: 69 Resp: 55

Ion Ratio Lower Upper

69 100

41 123.6 54.4 81.6#

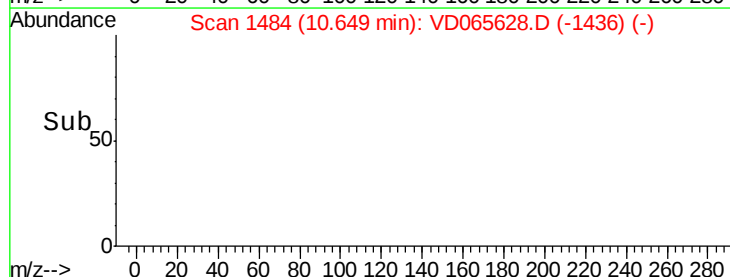
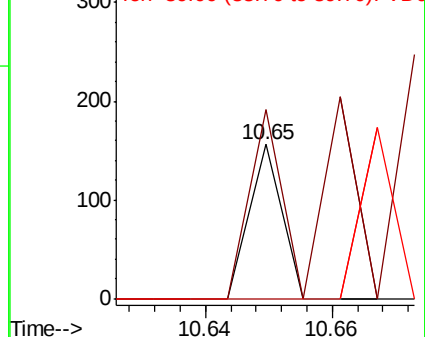
39 110.9 26.5 39.7#

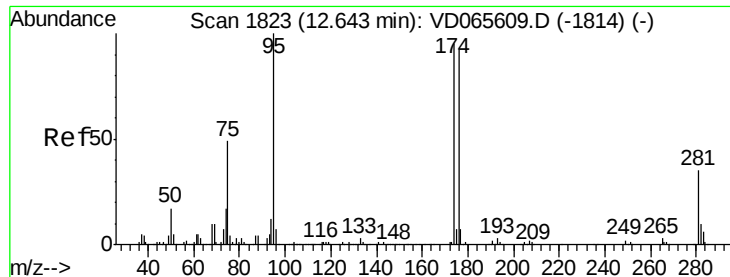


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

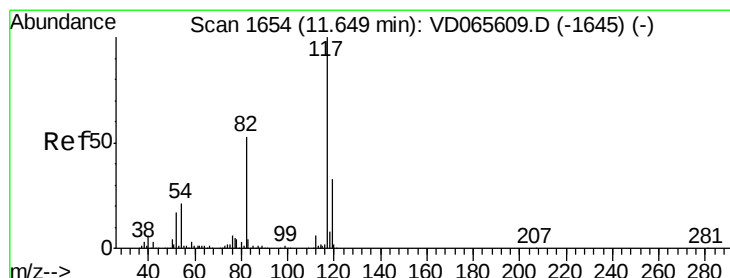
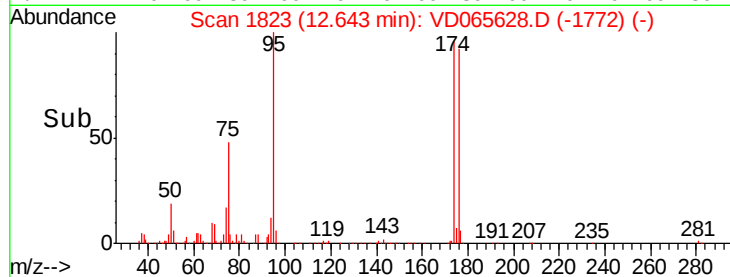
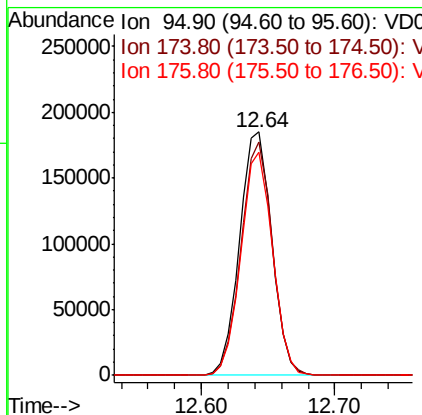
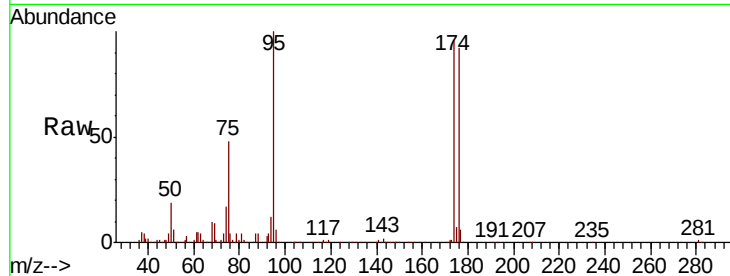




#62
4-Bromofluorobenzene
Concen: 52.082 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VD065628.D
Acq: 13 Apr 2020 20:36

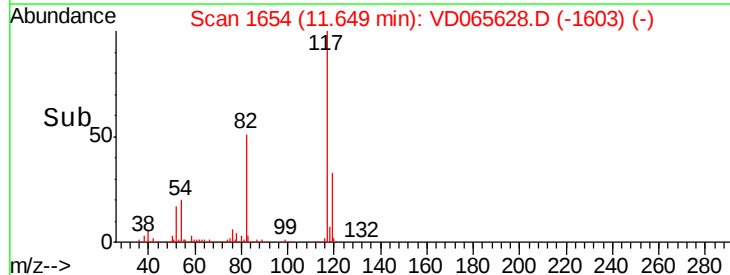
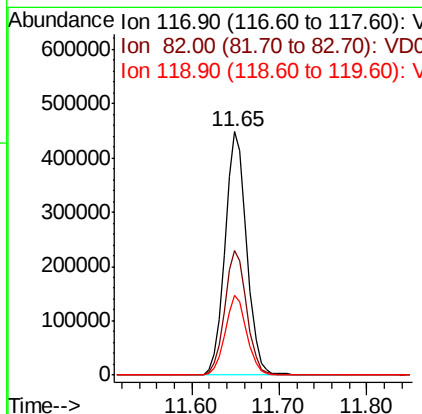
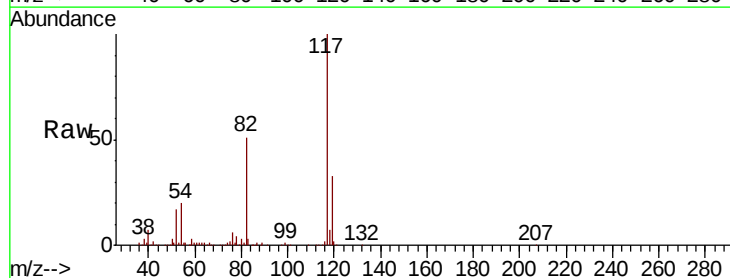
Instrument :
MSVOA_D
ClientSampleId :
TP-18

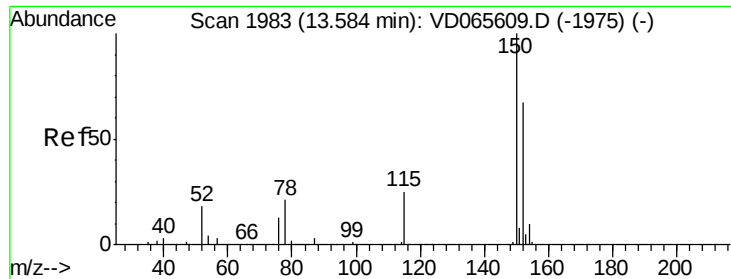
Tot Ion: 95 Resp: 308064
Ion Ratio Lower Upper
95 100
174 93.2 0.0 182.8
176 89.9 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065628.D
Acq: 13 Apr 2020 20:36

Tgt Ion: 117 Resp: 760715
Ion Ratio Lower Upper
117 100
82 51.4 42.6 64.0
119 32.8 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

TP-18

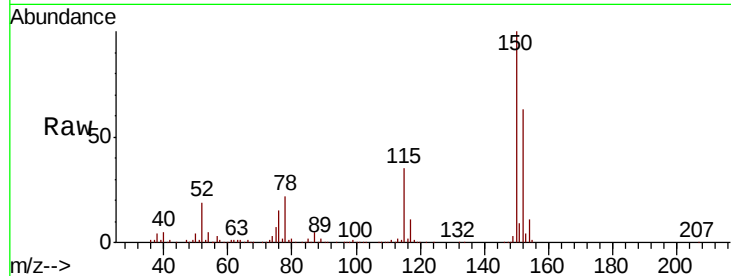
Tot Ion:152 Resp: 350284

Ion Ratio Lower Upper

152 100

115 55.0 27.1 81.2

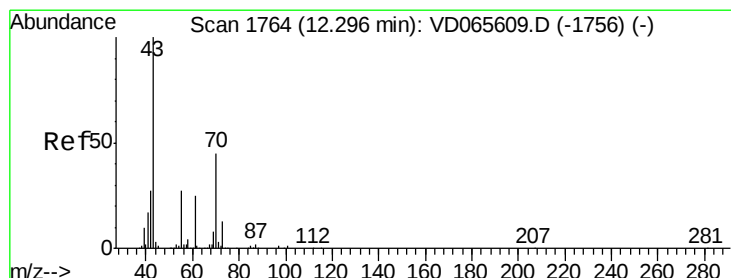
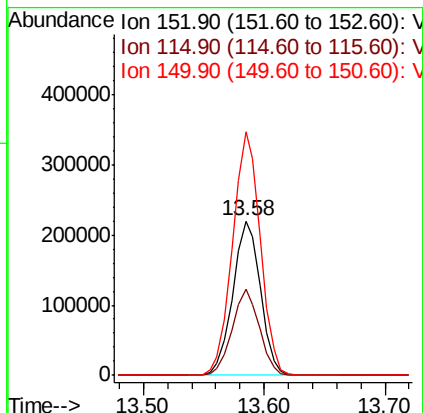
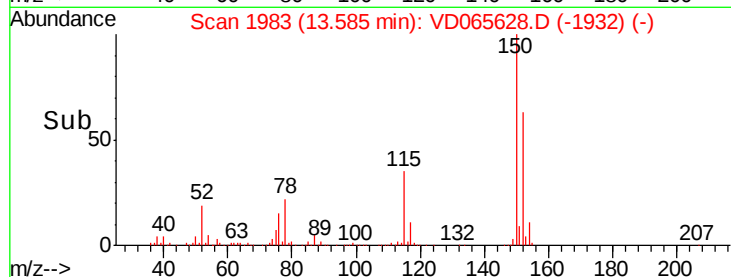
150 158.3 0.0 348.2



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: 2.957 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

Tgt Ion: 43 Resp: 129

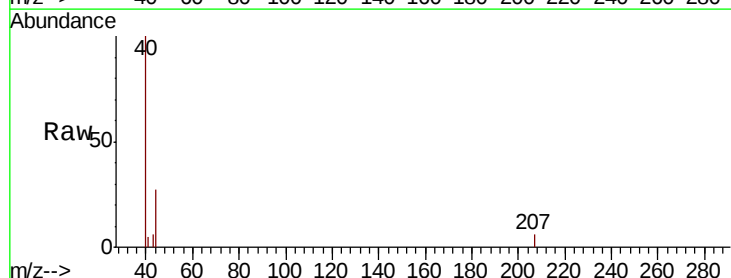
Ion Ratio Lower Upper

43 100

70 0.0 35.2 52.8#

55 0.0 22.5 33.7#

61 0.0 19.4 29.0#

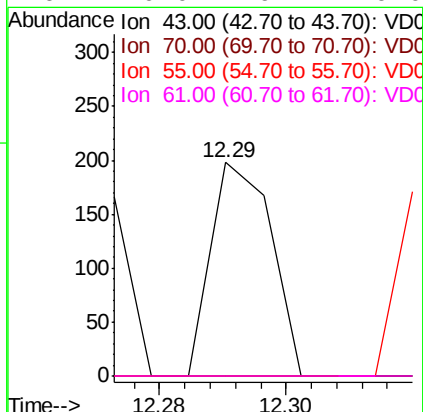
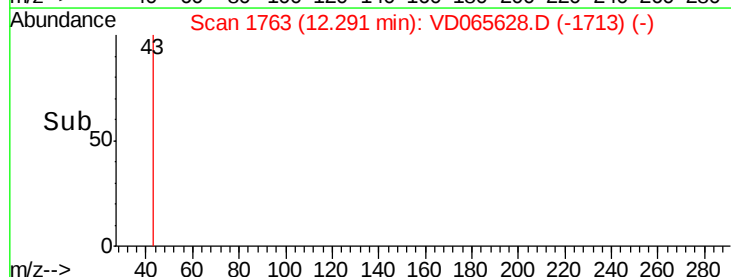


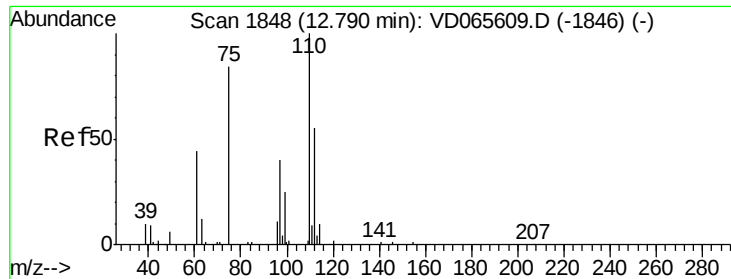
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 53.679 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

Instrument :

MSVOA_D

ClientSampled :

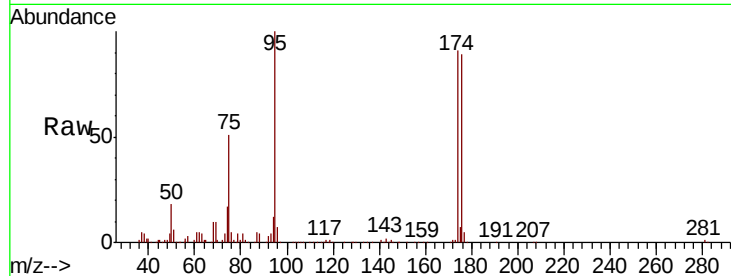
TP-18

Tot Ion: 75 Resp: 150802

Ion Ratio Lower Upper

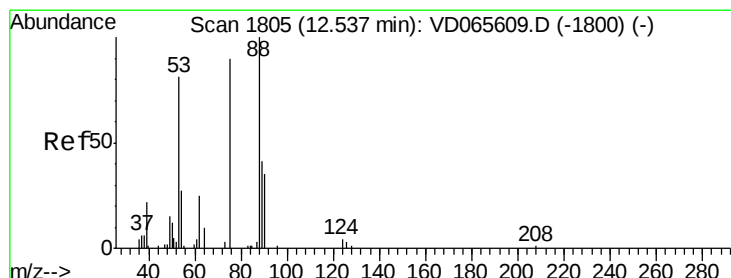
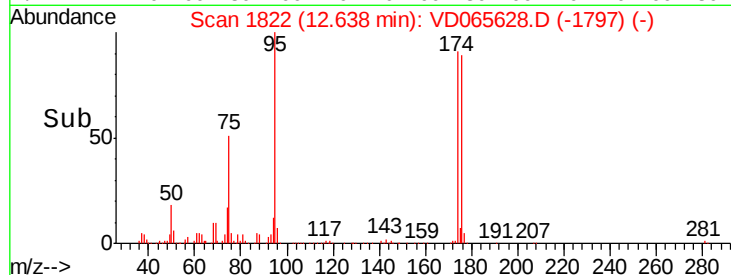
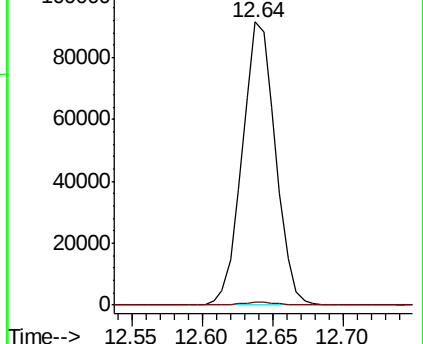
75 100

77 1.1 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: 124.339 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

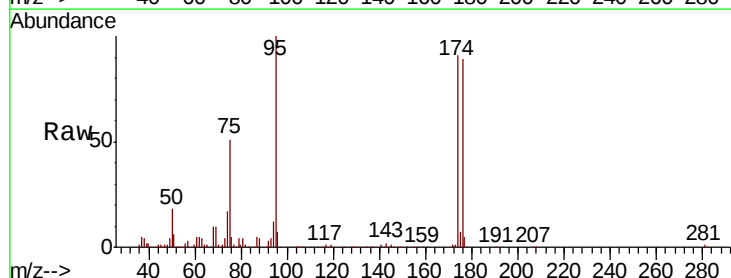
Tgt Ion: 75 Resp: 150802

Ion Ratio Lower Upper

75 100

53 0.3 73.8 110.8#

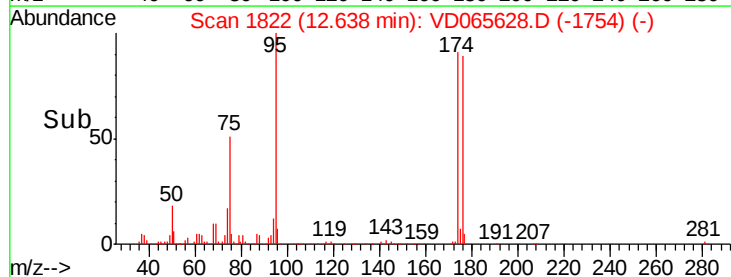
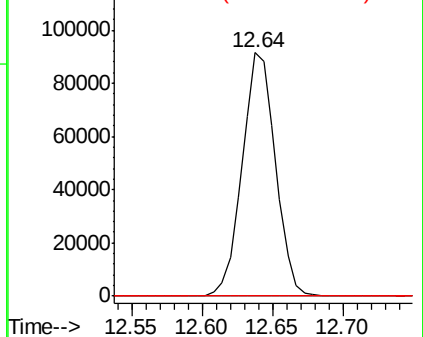
89 0.1 36.1 54.1#

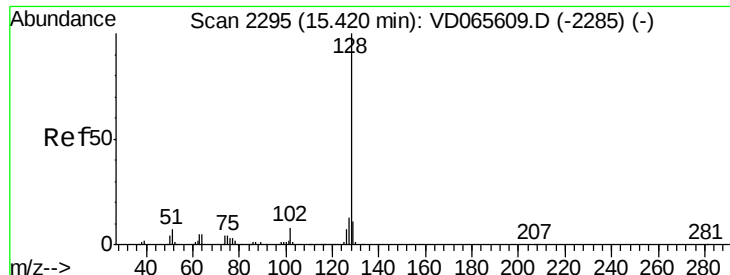


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.068 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.01 min

Lab File: VD065628.D

Acq: 13 Apr 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

TP-18

Tot Ion:128 Resp: 959

Ion Ratio Lower Upper

128 100

127 8.9 10.6 15.8#

129 0.0 8.4 12.6#

