

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065807.D
 Acq On : 18 Jun 2020 14:46
 Operator : VA/SY
 Sample : L2817-06
 Misc : 8.11G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-061720

Quant Time: Jun 19 01:02:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	162650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	281759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	226972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	69770	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	90959	56.59	ug/l	0.00
Spiked Amount			Recovery	=	113.18%	
35) Dibromofluoromethane	7.91	113	91204	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
50) Toluene-d8	10.34	98	317976	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.64	95	81883	36.38	ug/l	0.00
Spiked Amount			Recovery	=	72.76%	

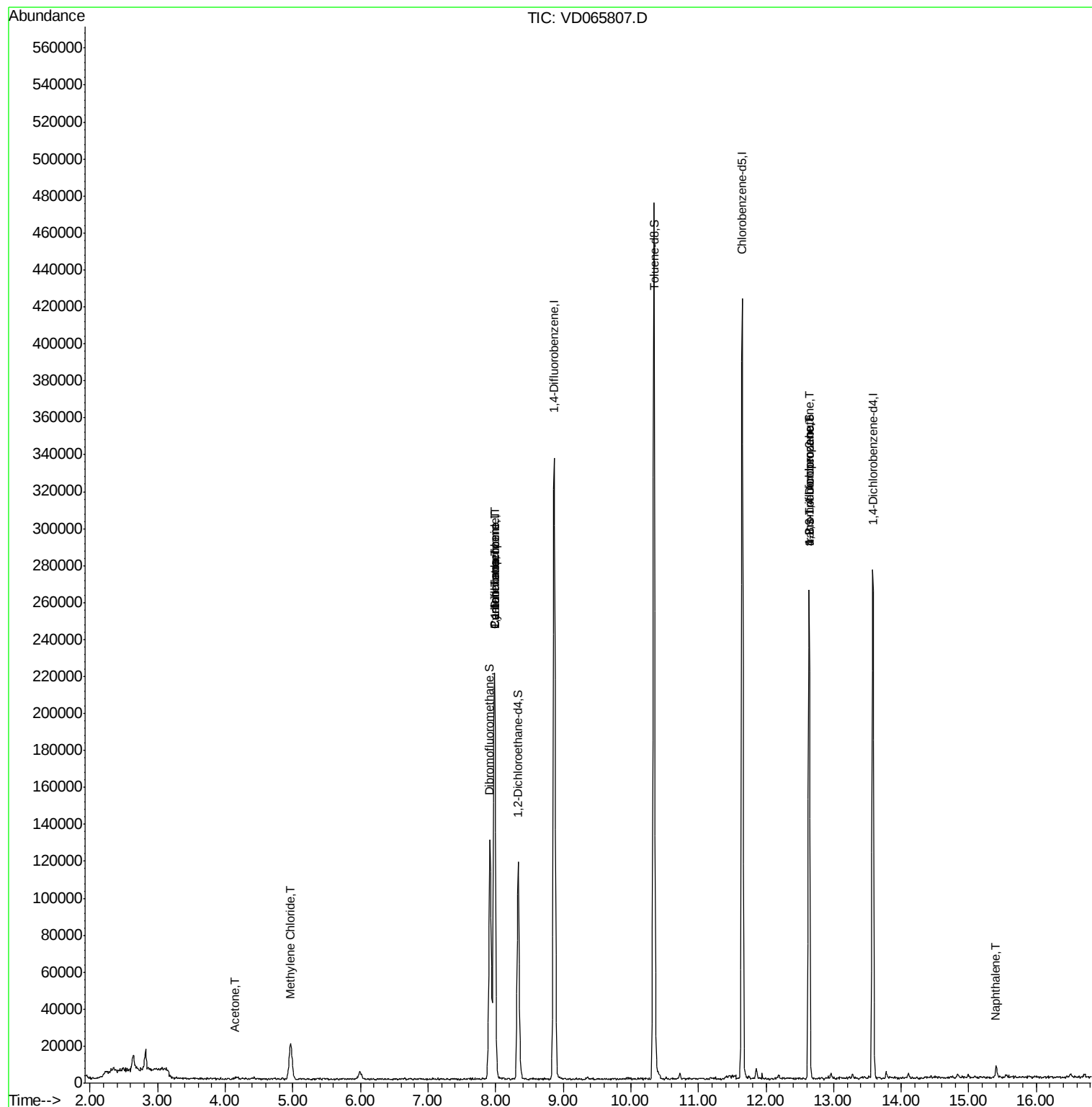
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	67	Below Cal	#	42
3) Chloromethane	2.20	50	196	Below Cal	#	43
16) Acetone	4.15	43	778	2.566	ug/l #	47
18) Methyl Acetate	4.72	43	371	Below Cal	#	86
20) Methylene Chloride	4.97	84	14443	4.963	ug/l #	90
31) Cyclohexane	7.98	56	4586	1.591	ug/l #	42
36) 1,1-Dichloropropene	7.98	75	13793	5.110	ug/l #	49
38) Carbon Tetrachloride	7.98	117	17791	6.263	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	45272	83.434	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	45272	180.268	ug/l #	9
95) Naphthalene	15.40	128	5466	2.527	ug/l #	94

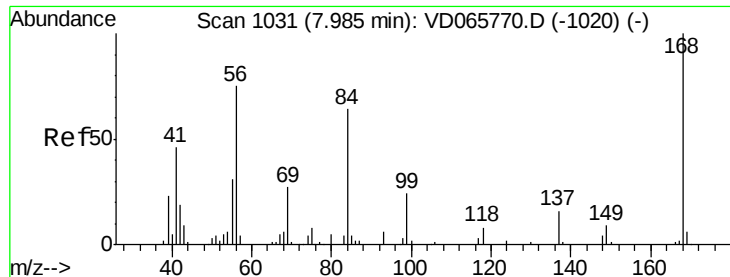
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065807.D

Acq: 18 Jun 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

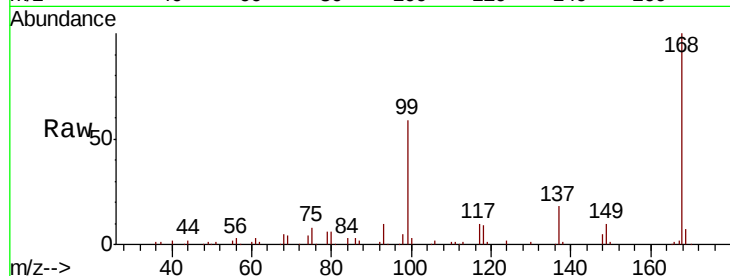
SU-04-061720

Tot Ion:168 Resp: 162650

Ion Ratio Lower Upper

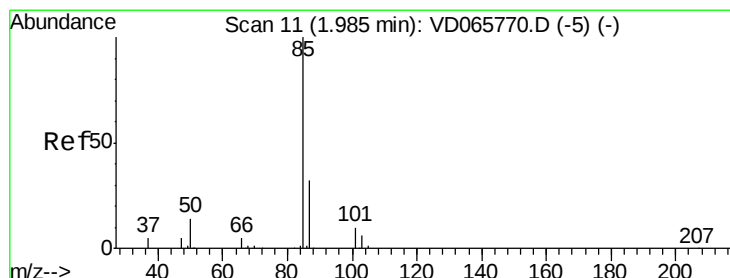
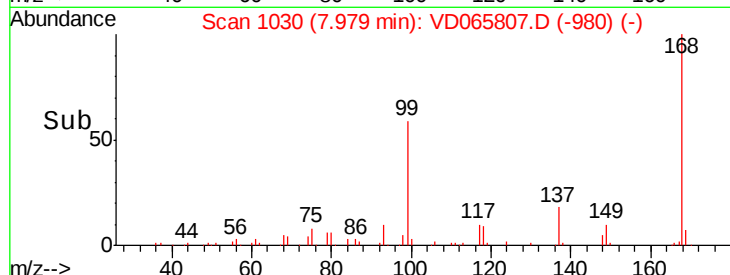
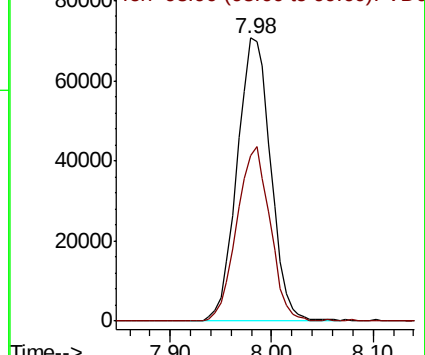
168 100

99 58.7 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065807.D

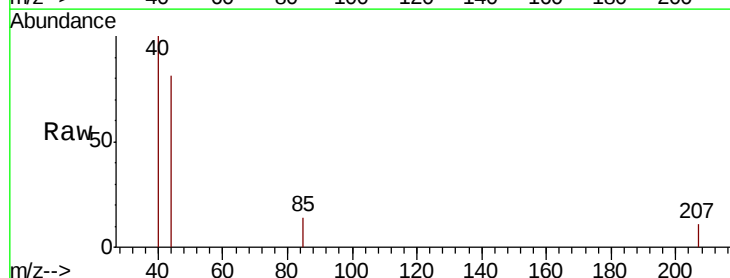
Acq: 18 Jun 2020 14:46

Tgt Ion: 85 Resp: 67

Ion Ratio Lower Upper

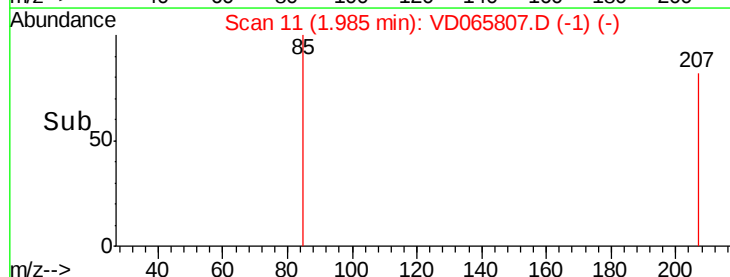
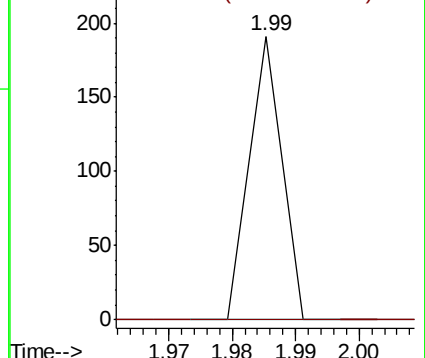
85 100

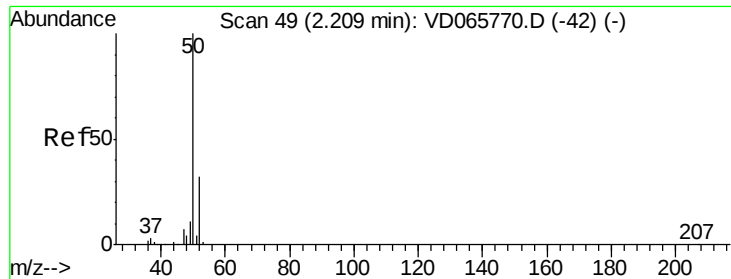
87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 47

Delta R.T. -0.01 min

Lab File: VD065807.D

Acq: 18 Jun 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

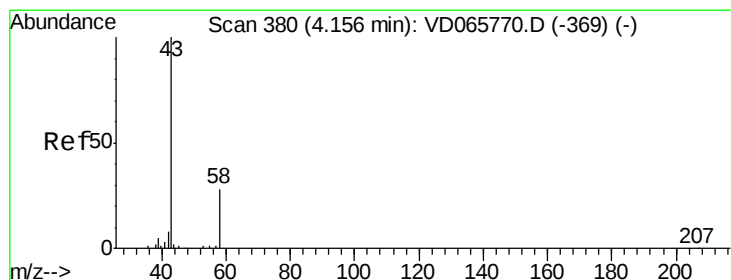
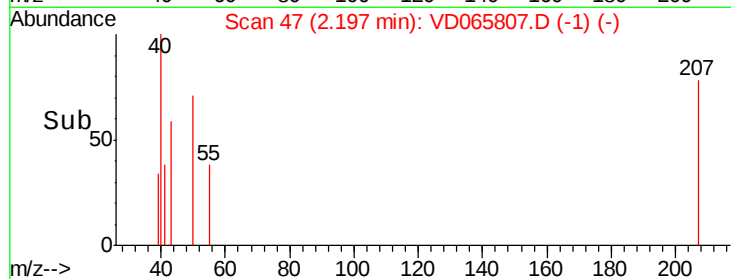
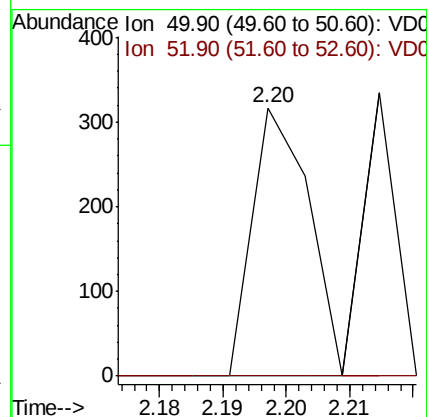
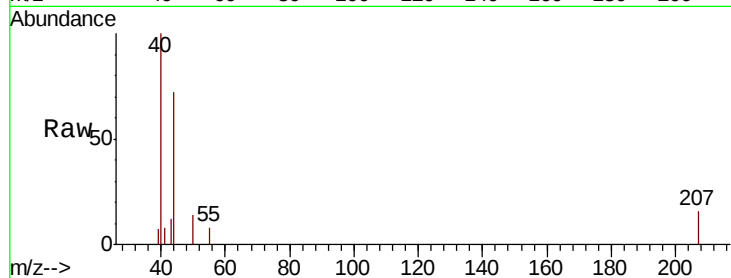
SU-04-061720

Tot Ion: 50 Resp: 196

Ion Ratio Lower Upper

50 100

52 0.0 25.6 38.4#



#16

Acetone

Concen: 2.566 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065807.D

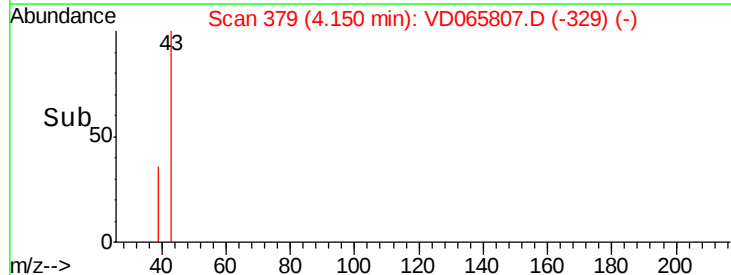
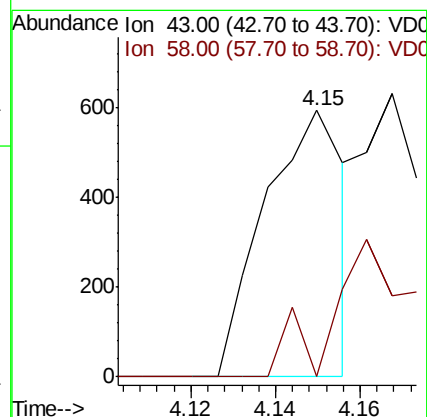
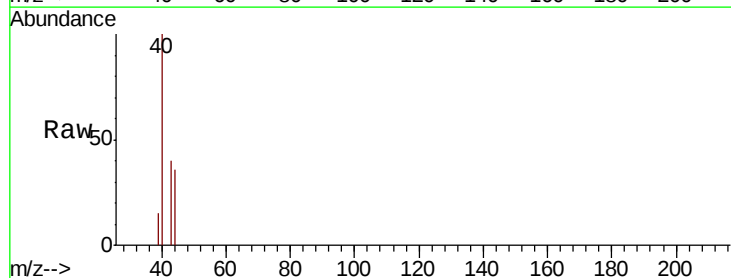
Acq: 18 Jun 2020 14:46

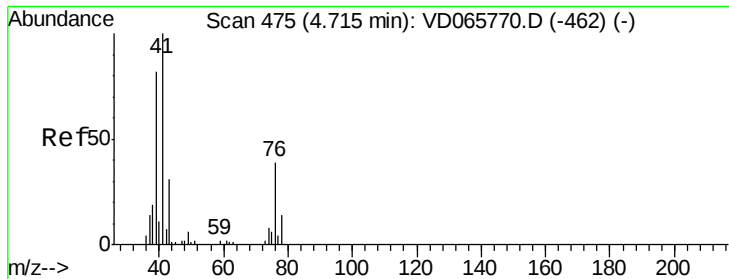
Tgt Ion: 43 Resp: 778

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065807.D

Acq: 18 Jun 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

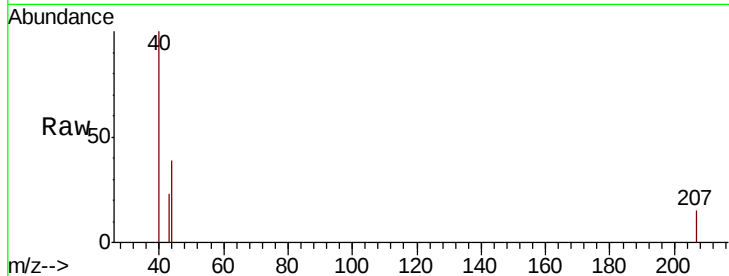
SU-04-061720

Tot Ion: 43 Resp: 371

Ion Ratio Lower Upper

43 100

74 16.4 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

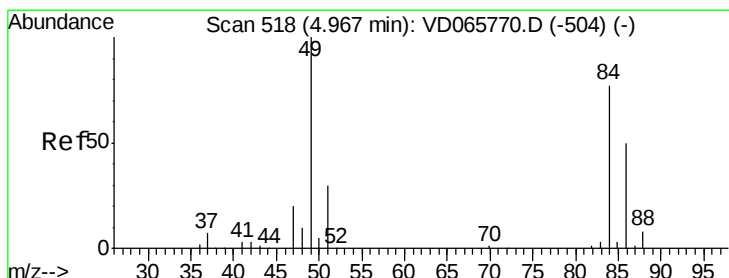
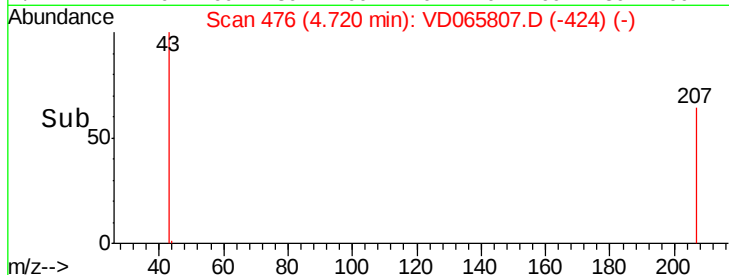
300

200

100

0

Time--> 4.68 4.70 4.72 4.74



#20

Methylene Chloride

Concen: 4.963 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065807.D

Acq: 18 Jun 2020 14:46

Tgt Ion: 84 Resp: 14443

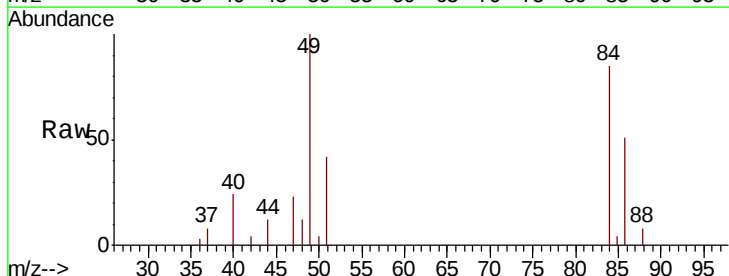
Ion Ratio Lower Upper

84 100

49 117.3 103.4 155.0

51 49.6 31.4 47.2#

86 60.3 51.7 77.5



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

8000

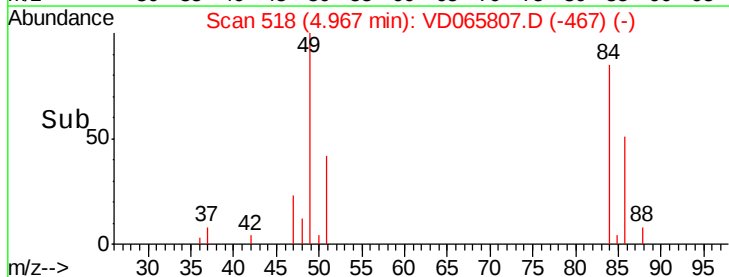
6000

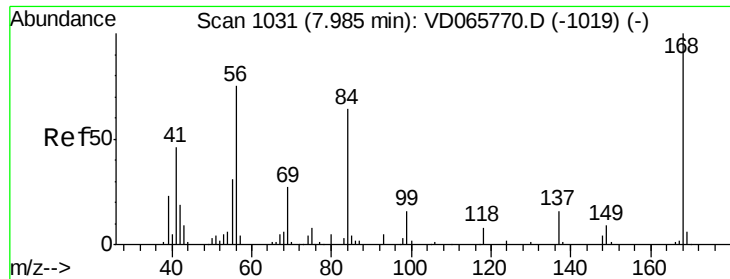
4000

2000

0

Time--> 4.85 4.90 4.95 5.00 5.05

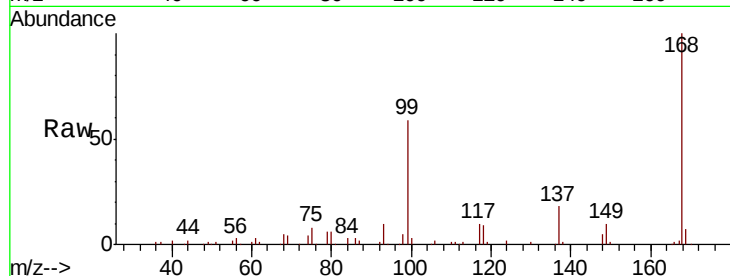




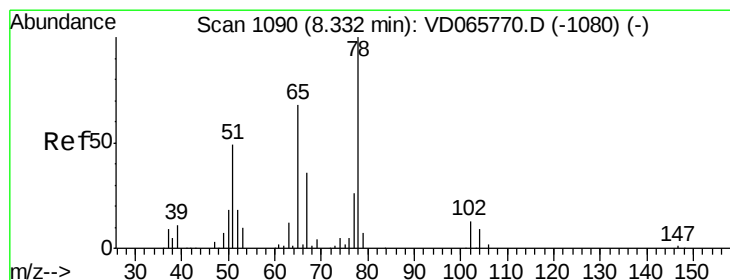
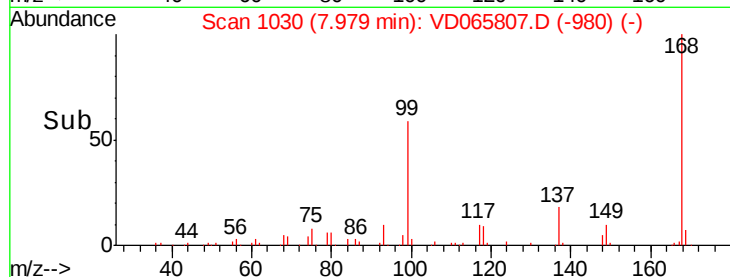
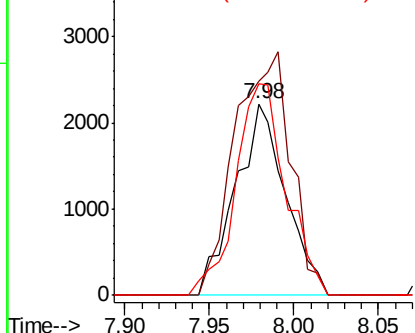
#31
Cyclohexane
Concen: 1.591 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065807.D
Acq: 18 Jun 2020 14:46

Instrument :
MSVOA_D
ClientSampleId :
SU-04-061720

Tot Ion: 56 Resp: 4586
Ion Ratio Lower Upper
56 100
69 111.8 28.5 42.7#
84 110.7 68.4 102.6#

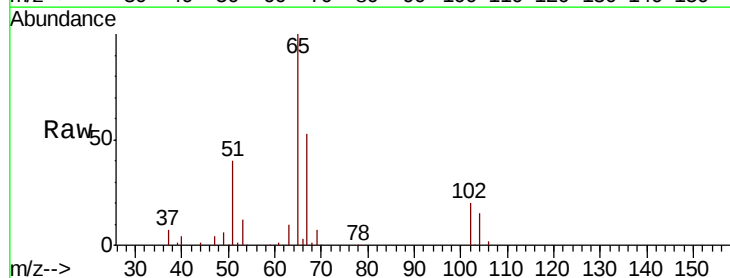


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

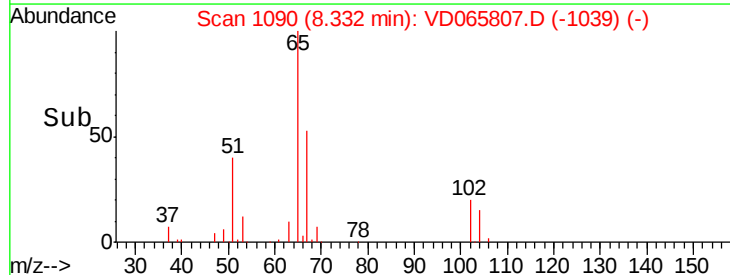
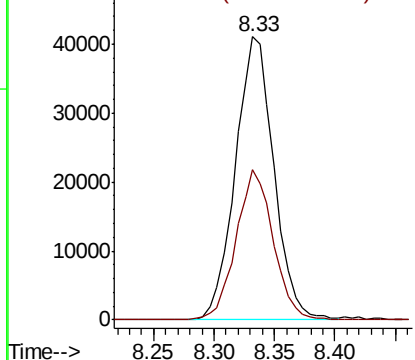


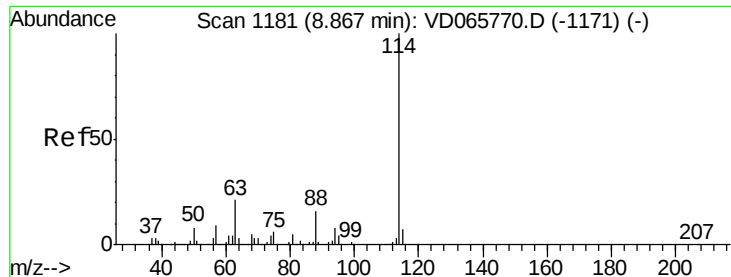
#33
1,2-Dichloroethane-d4
Concen: 56.595 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065807.D
Acq: 18 Jun 2020 14:46

Tgt Ion: 65 Resp: 90959
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.6



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

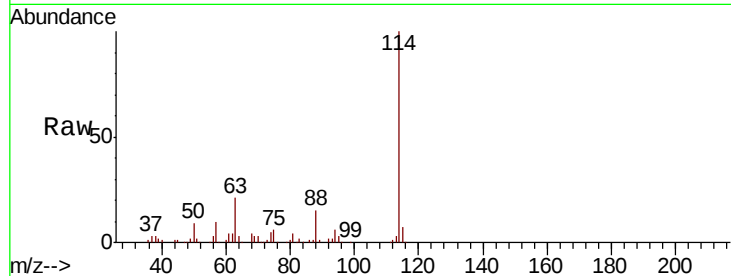




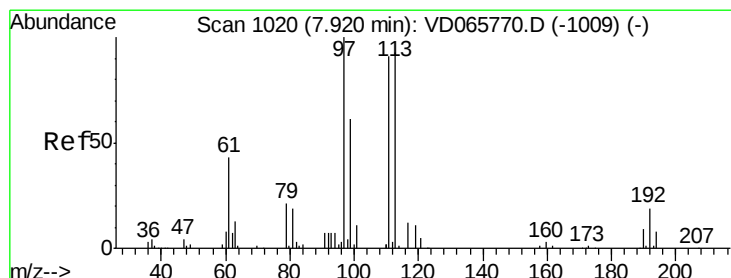
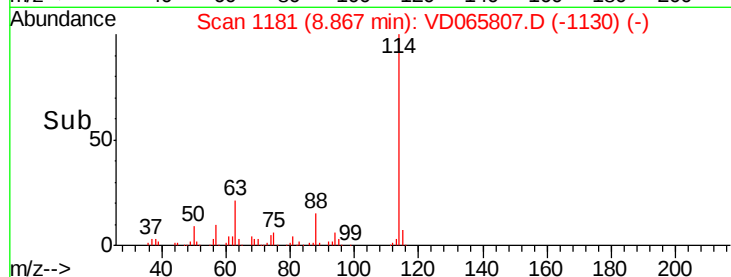
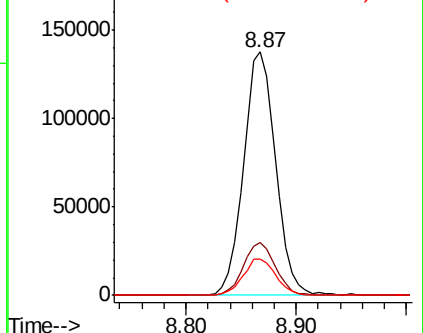
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065807.D
 Acq: 18 Jun 2020 14:46

Instrument :
 MSVOA_D
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 SU-04-061720

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	41.8
88	15.0	0.0	32.0

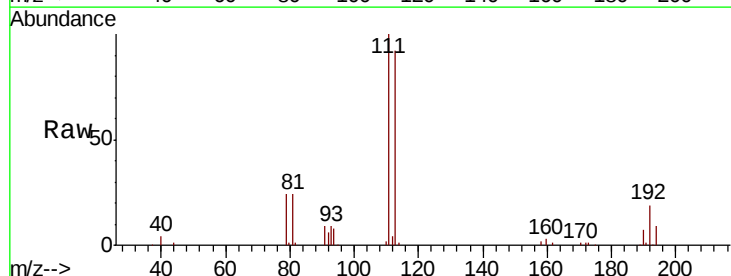


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

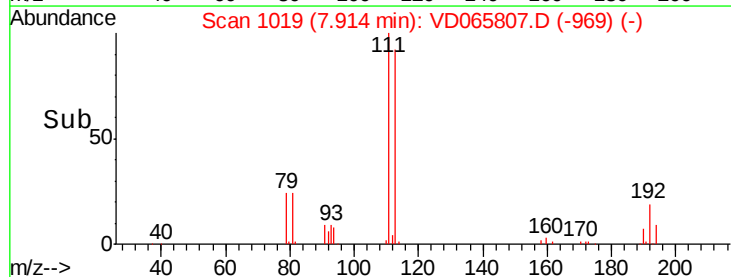
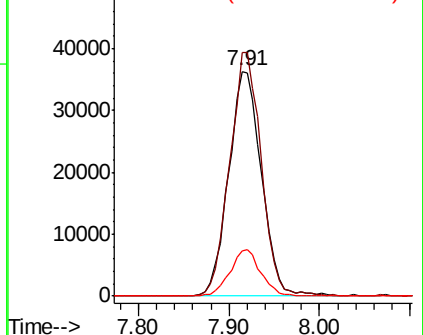


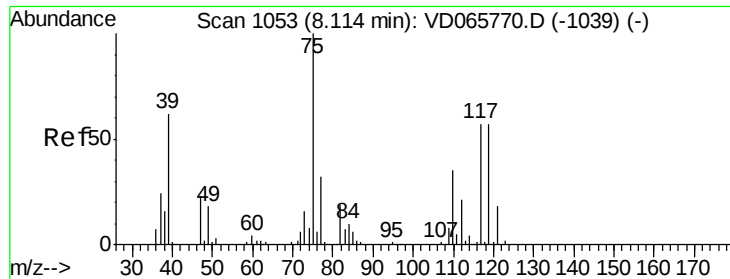
#35
 Dibromofluoromethane
 Concen: 51.245 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065807.D
 Acq: 18 Jun 2020 14:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.4	125.0
192	19.2	15.7	23.5



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

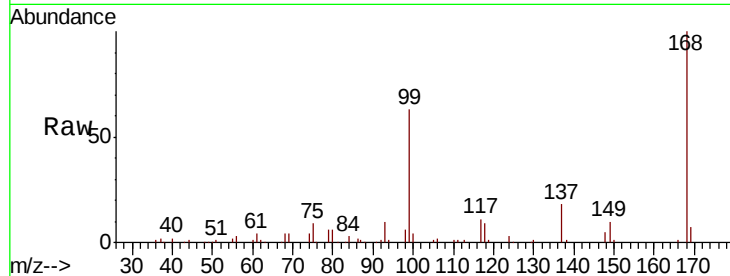




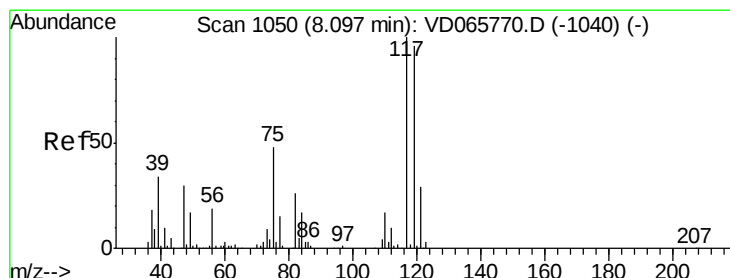
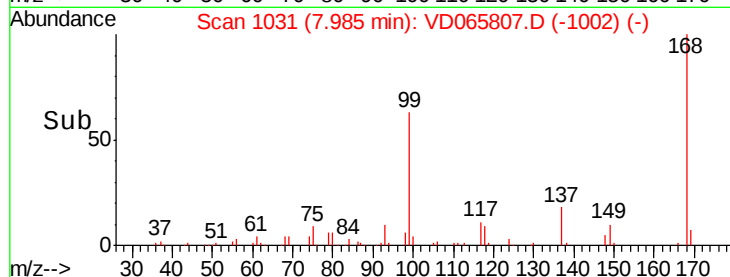
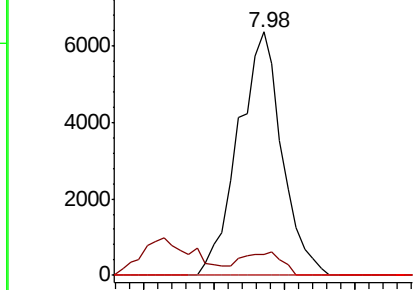
#36
 1,1-Dichloropropene
 Concen: 5.110 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065807.D
 Acq: 18 Jun 2020 14:46

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-061720

Tot Ion: 75 Resp: 13793
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.6 52.8#
 77 0.0 25.1 37.7#

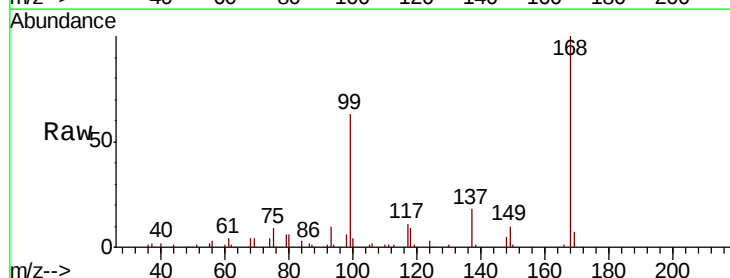


Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

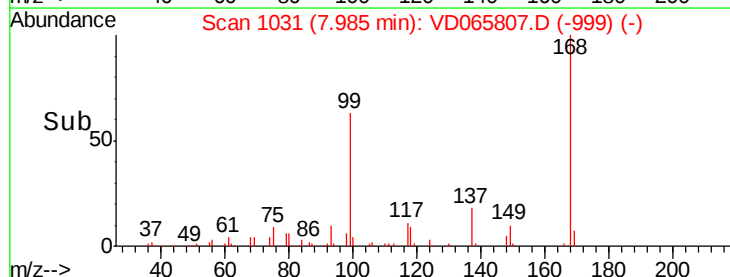
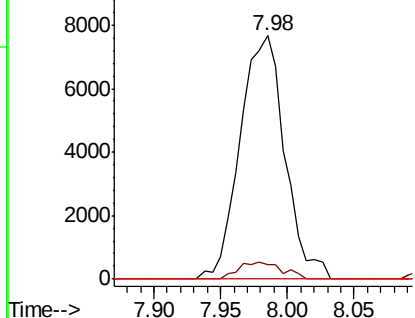


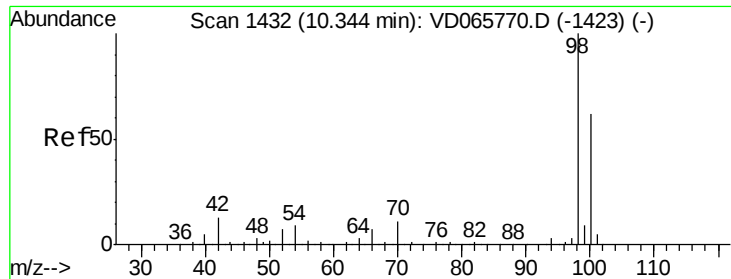
#38
 Carbon Tetrachloride
 Concen: 6.263 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065807.D
 Acq: 18 Jun 2020 14:46

Tgt Ion: 117 Resp: 17791
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.8 115.2#
 121 0.0 23.4 35.2#



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: 47.913 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065807.D

Acq: 18 Jun 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

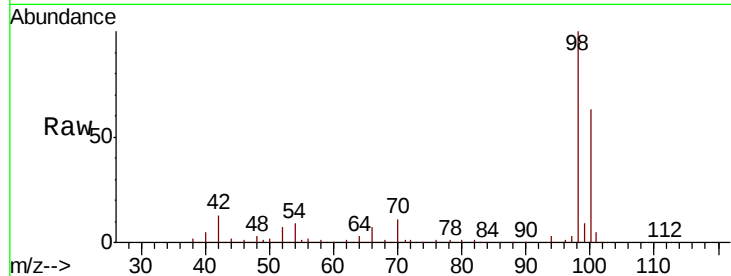
SU-04-061720

Tot Ion: 98 Resp: 317976

Ion Ratio Lower Upper

98 100

100 63.4 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VD0

Ion 100.00 (99.70 to 100.70): VD

10.34

200000

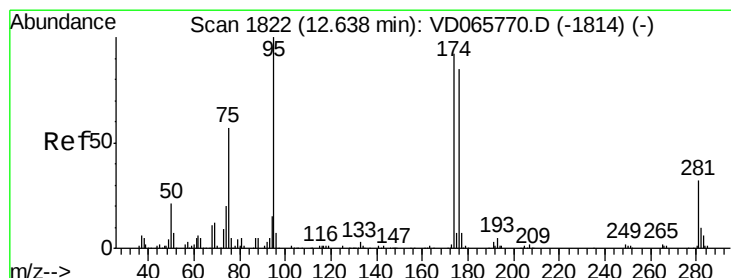
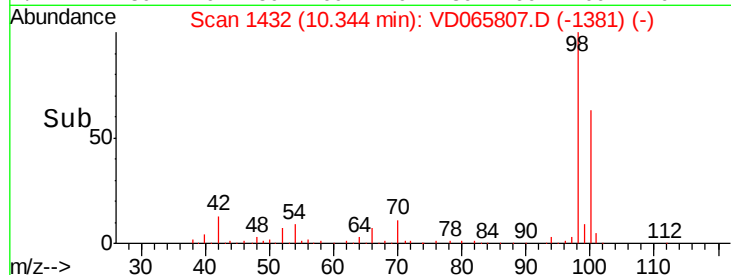
150000

100000

50000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 36.382 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065807.D

Acq: 18 Jun 2020 14:46

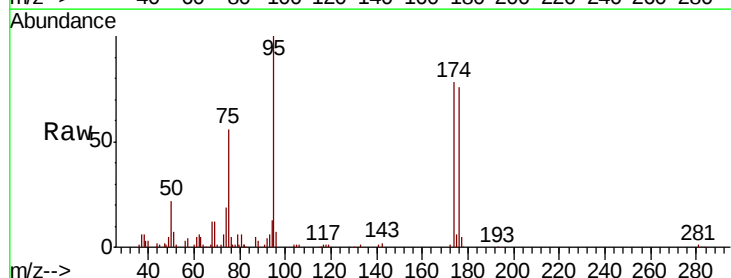
Tgt Ion: 95 Resp: 81883

Ion Ratio Lower Upper

95 100

174 77.6 0.0 175.2

176 76.5 0.0 163.0



Abundance Ion 94.90 (94.60 to 95.60): VD0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

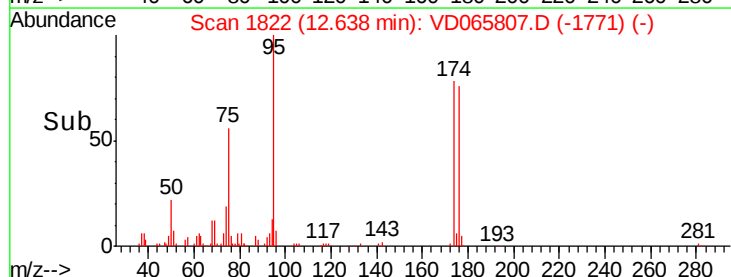
60000

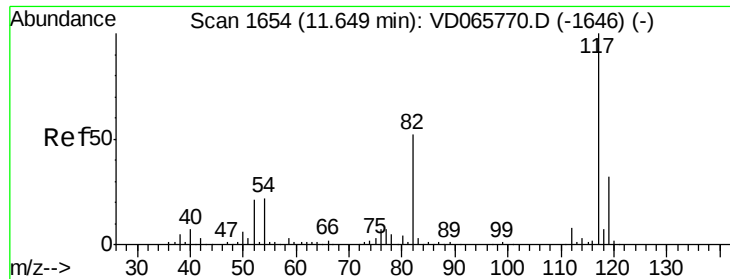
40000

20000

0

Time--> 12.55 12.60 12.65 12.70

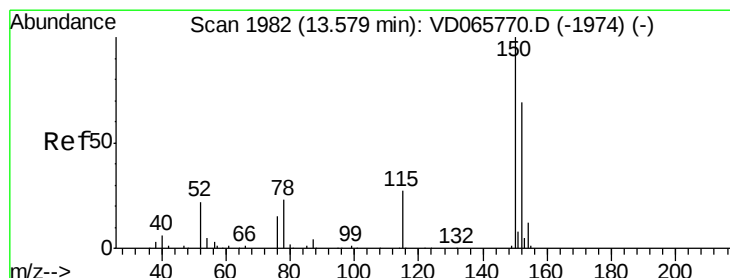
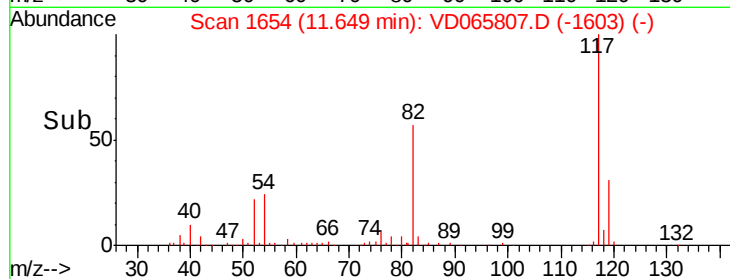
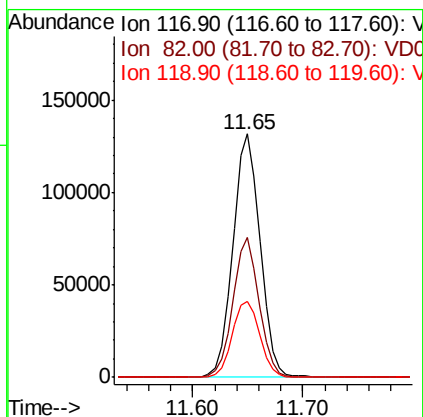
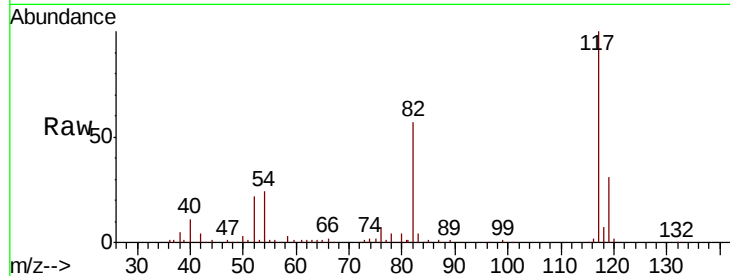




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065807.D
Acq: 18 Jun 2020 14:46

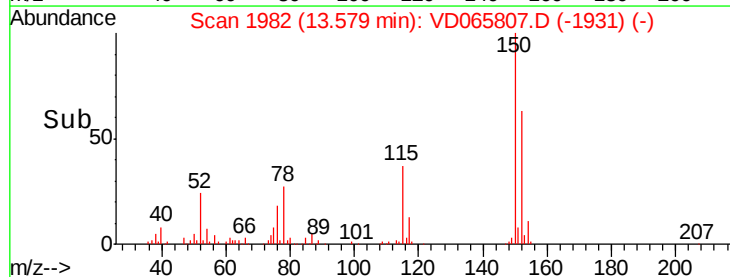
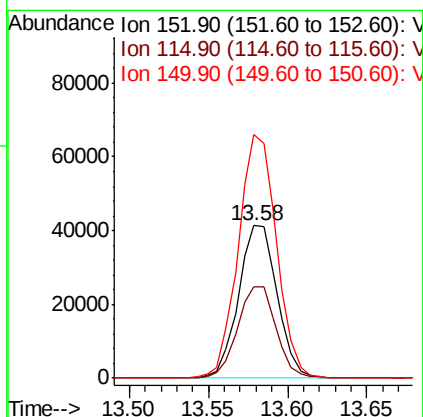
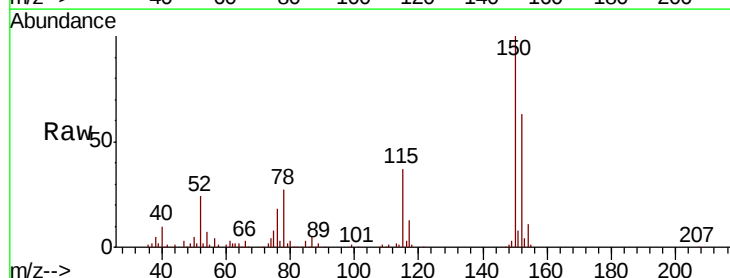
Instrument :
MSVOA_D
ClientSampleId :
SU-04-061720

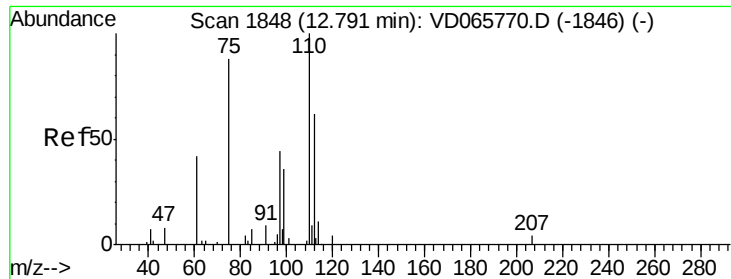
Tot Ion:117 Resp: 226972
Ion Ratio Lower Upper
117 100
82 57.3 41.9 62.9
119 31.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065807.D
Acq: 18 Jun 2020 14:46

Tgt Ion:152 Resp: 69770
Ion Ratio Lower Upper
152 100
115 59.8 28.7 86.1
150 157.8 0.0 348.0

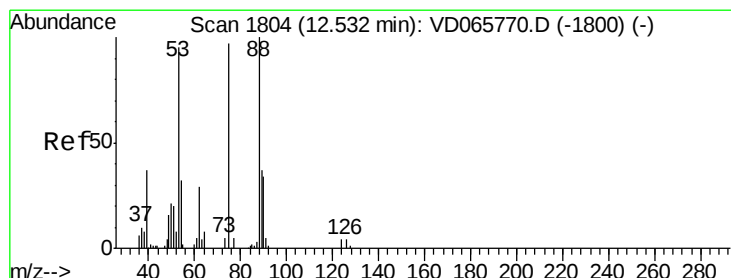
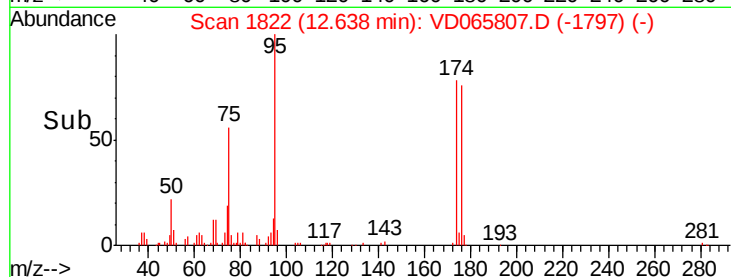
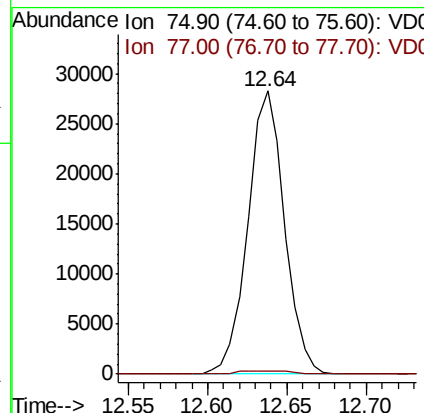
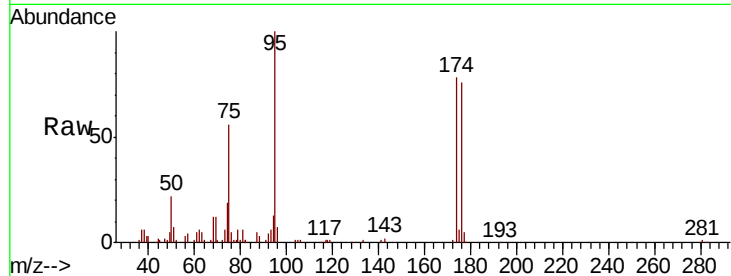




#76
 1,2,3-Trichloropropane
 Concen: 83.434 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065807.D
 Acq: 18 Jun 2020 14:46

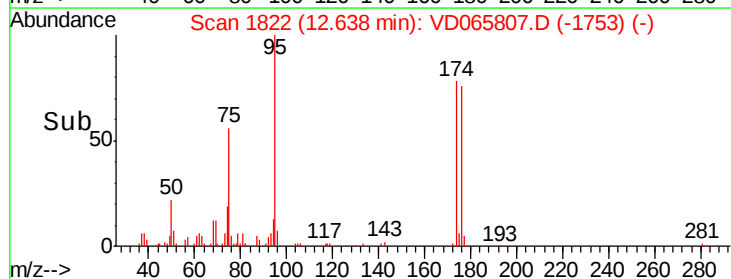
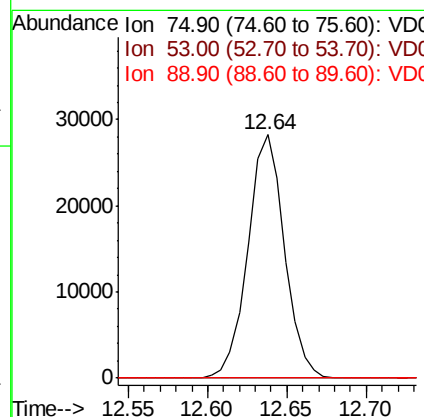
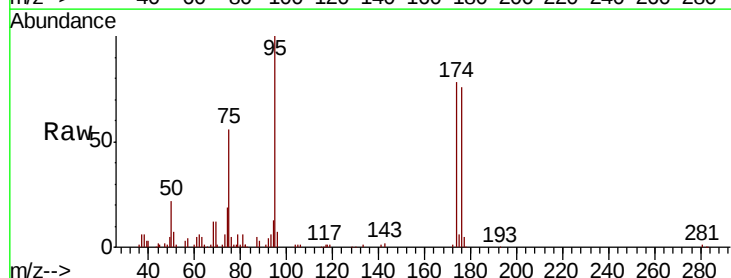
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-061720

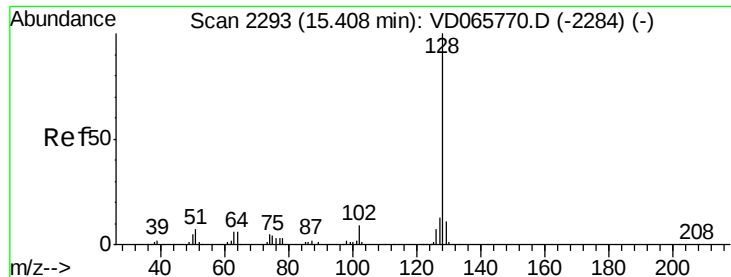
Tot Ion: 75 Resp: 45272
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 180.268 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD065807.D
 Acq: 18 Jun 2020 14:46

Tgt Ion: 75 Resp: 45272
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 123.8#
 89 0.0 35.9 53.9#





#95

Naphthalene

Concen: 2.527 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD065807.D

Acq: 18 Jun 2020 14:46

Instrument :

MSVOA_D

ClientSampleId :

SU-04-061720

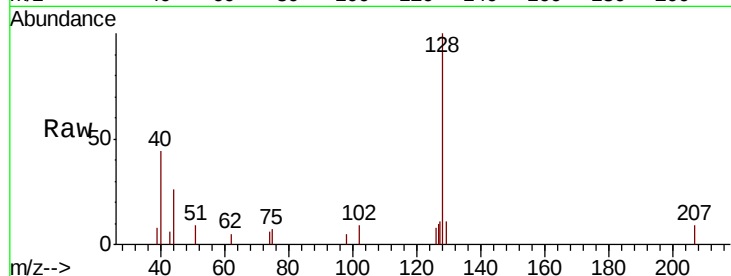
Tot Ion:128 Resp: 5466

Ion Ratio Lower Upper

128 100

127 17.7 10.7 16.1#

129 10.2 8.6 12.8



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

