

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060820\
 Data File : VD065784.D
 Acq On : 08 Jun 2020 16:53
 Operator : VA/SY
 Sample : L2924-01RE
 Misc : 3.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SPRE

Quant Time: Jun 09 06:25:00 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	184503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	370890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	343746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	160838	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	143088	78.48	ug/l	0.00
Spiked Amount			Recovery	=	156.96%	
35) Dibromofluoromethane	7.92	113	128757	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	
50) Toluene-d8	10.34	98	462321	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.64	95	151680	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	

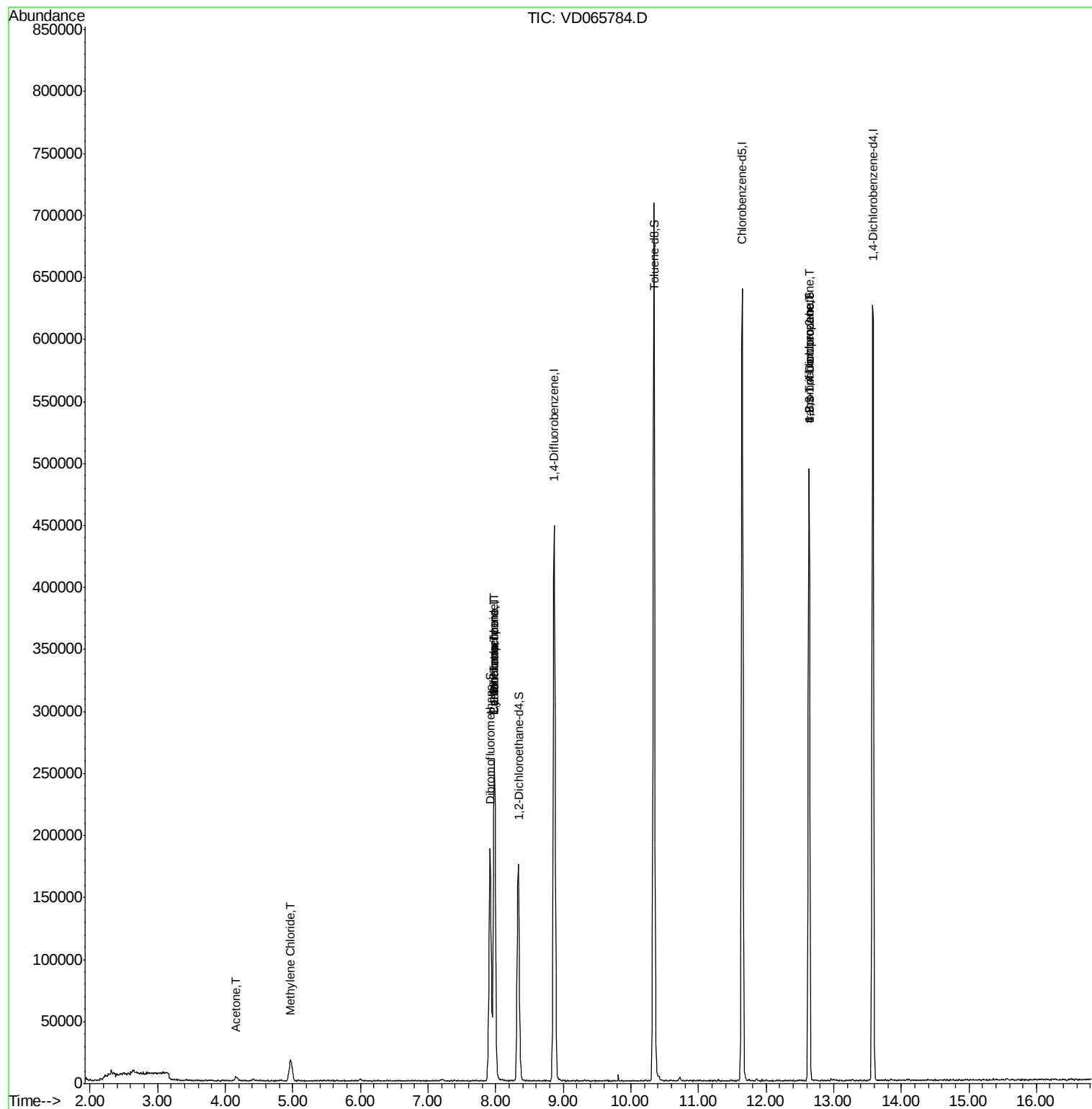
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	126	Below Cal	#	42
3) Chloromethane	2.20	50	235	Below Cal	#	35
11) Tert butyl alcohol	5.23	59	54	Below Cal	#	74
16) Acetone	4.16	43	6061	17.624	ug/l	96
18) Methyl Acetate	4.64	43	78	Below Cal	#	52
20) Methylene Chloride	4.96	84	12475	2.614	ug/l #	82
31) Cyclohexane	7.98	56	5417	1.657	ug/l #	45
36) 1,1-Dichloropropene	7.98	75	17455	4.913	ug/l #	49
38) Carbon Tetrachloride	7.98	117	19641	5.253	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	83633	66.860	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	83633	144.460	ug/l #	9

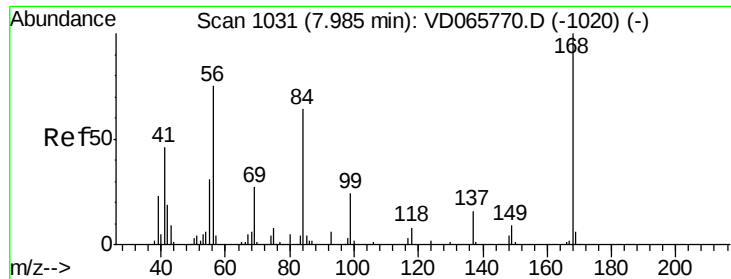
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060820\
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Quant Title : SW846 8260
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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: VD065784.D

Acq: 08 Jun 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

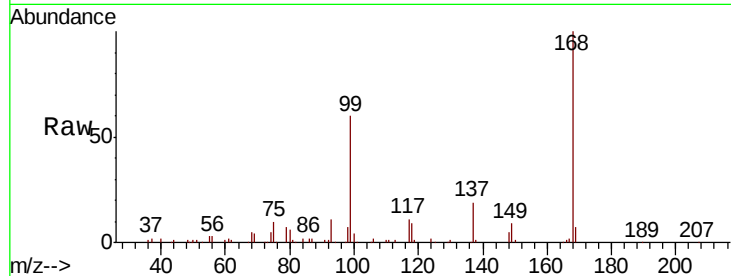
SPRE

Tot Ion:168 Resp: 184503

Ion Ratio Lower Upper

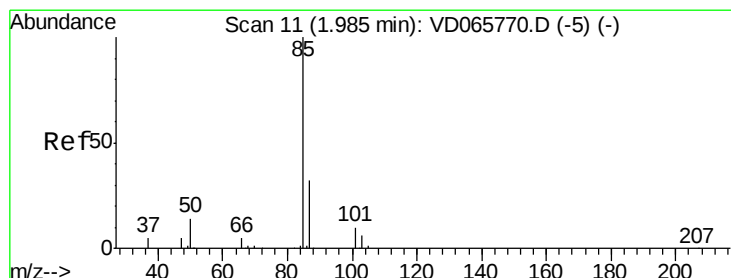
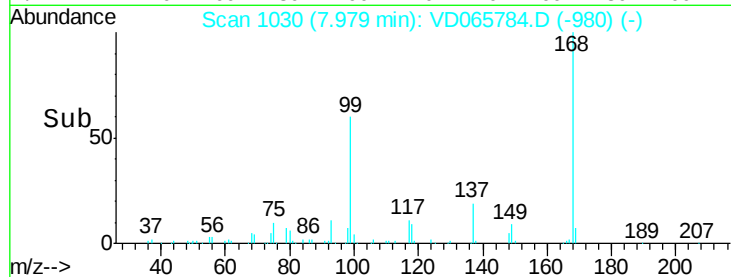
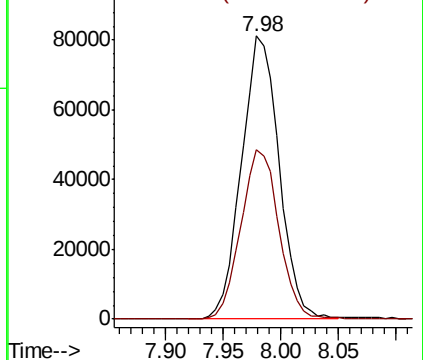
168 100

99 59.9 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# 12

Delta R.T. 0.01 min

Lab File: VD065784.D

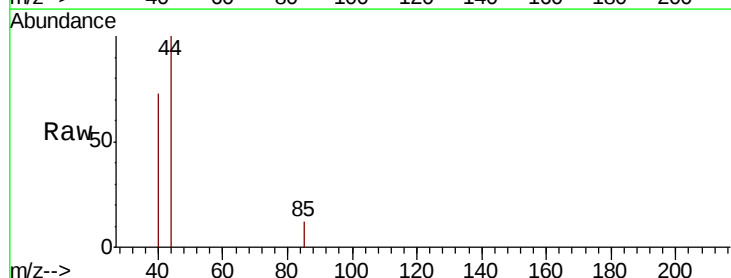
Acq: 08 Jun 2020 16:53

Tgt Ion: 85 Resp: 126

Ion Ratio Lower Upper

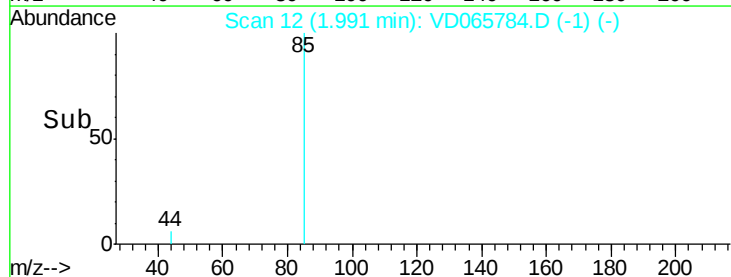
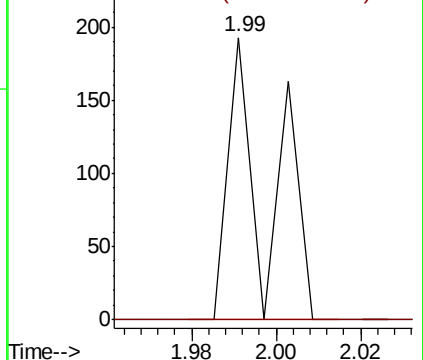
85 100

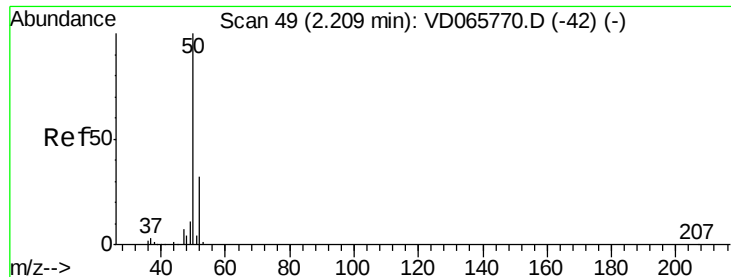
87 0.0 16.2 48.5#



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# 48

Delta R.T. -0.01 min

Lab File: VD065784.D

Acq: 08 Jun 2020 16:53

Instrument :

MSVOA_D

ClientSampled :

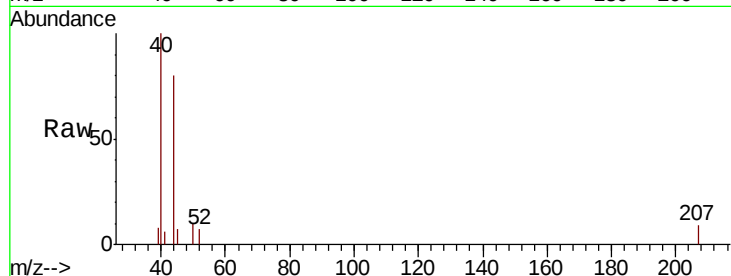
SPRE

Tot Ion: 50 Resp: 235

Ion Ratio Lower Upper

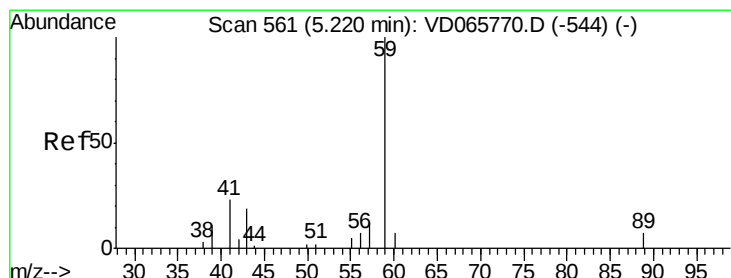
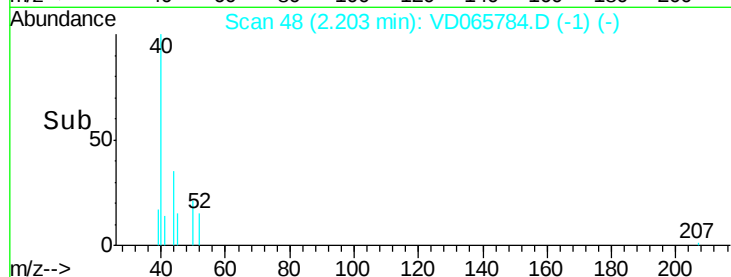
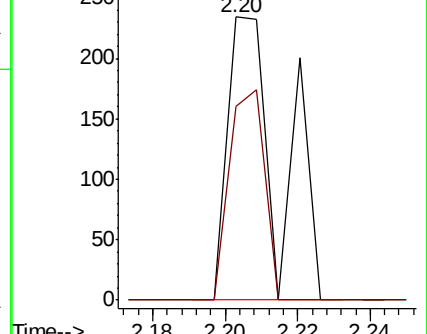
50 100

52 68.4 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD065784.D

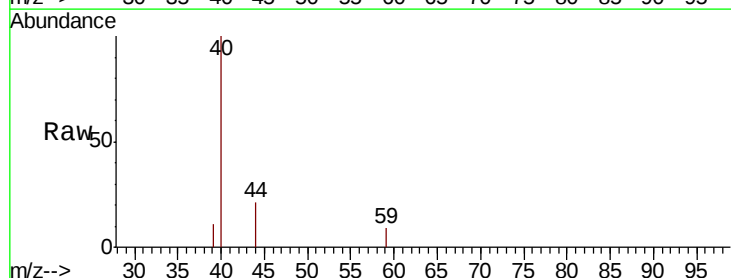
Acq: 08 Jun 2020 16:53

Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

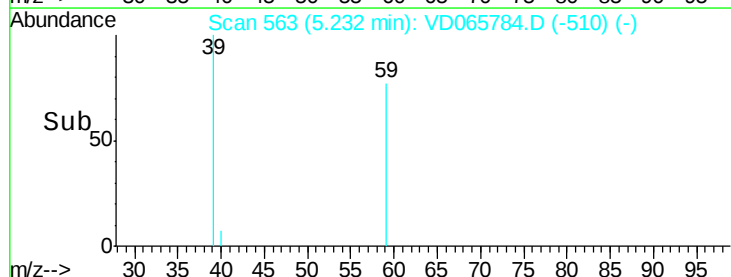
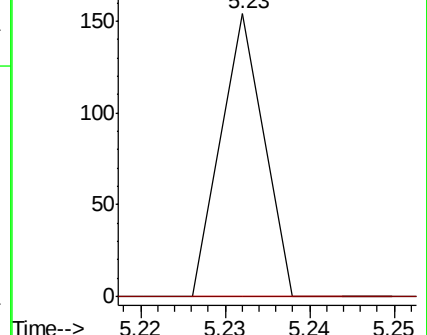
59 100

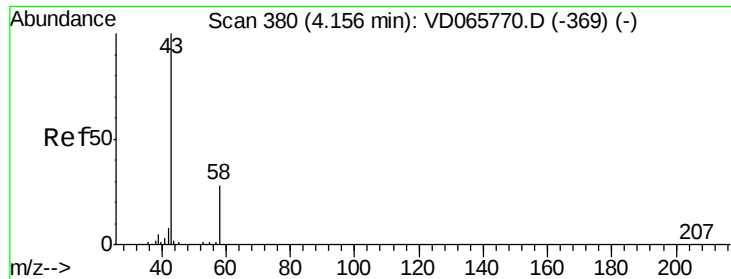
57 0.0 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 17.624 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065784.D

Acq: 08 Jun 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

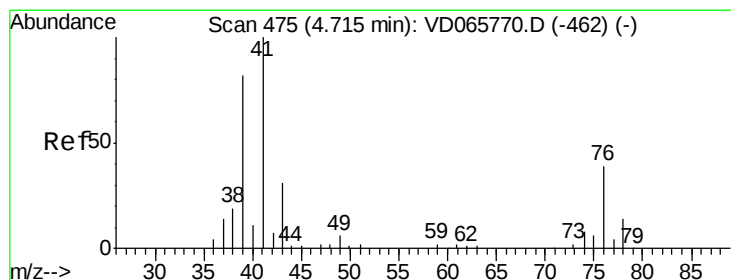
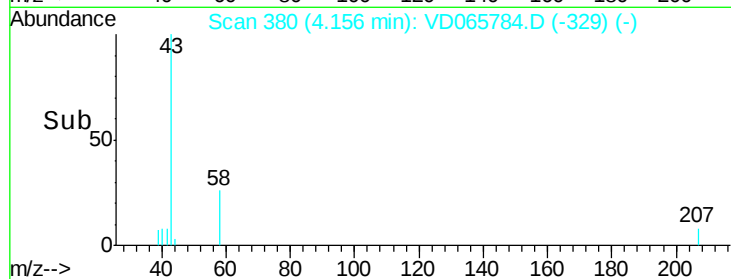
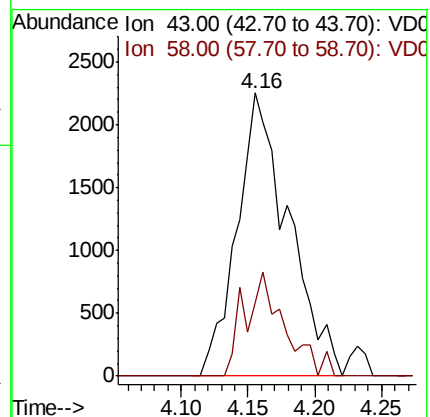
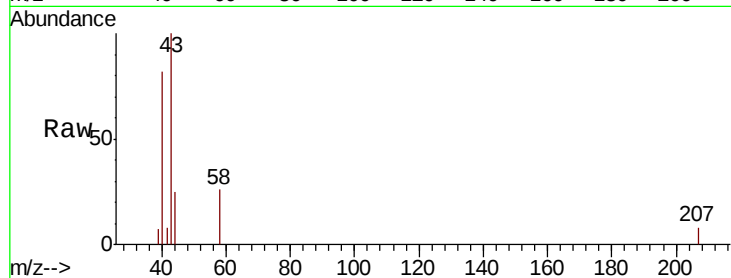
SPRE

Tot Ion: 43 Resp: 6061

Ion Ratio Lower Upper

43 100

58 25.8 22.3 33.5



#18

Methyl Acetate

Concen: Below Cal

RT: 4.64 min Scan# 462

Delta R.T. -0.08 min

Lab File: VD065784.D

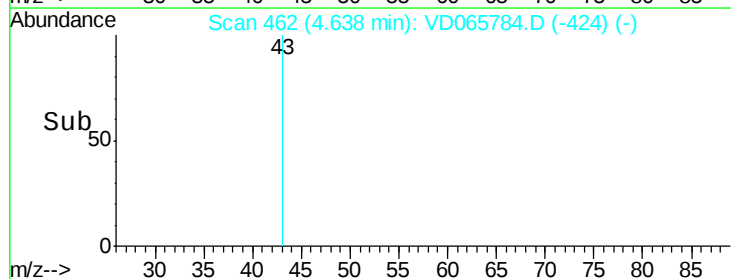
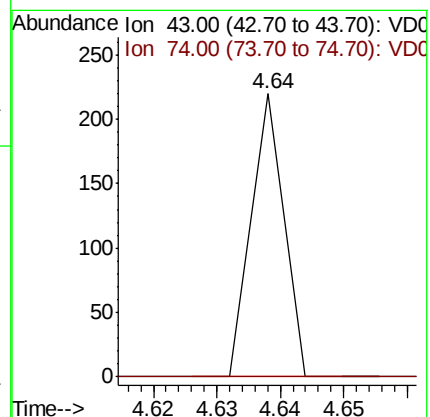
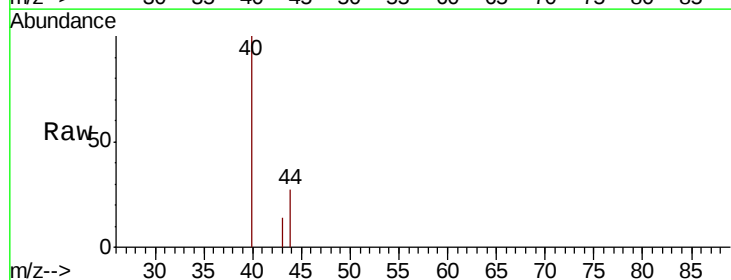
Acq: 08 Jun 2020 16:53

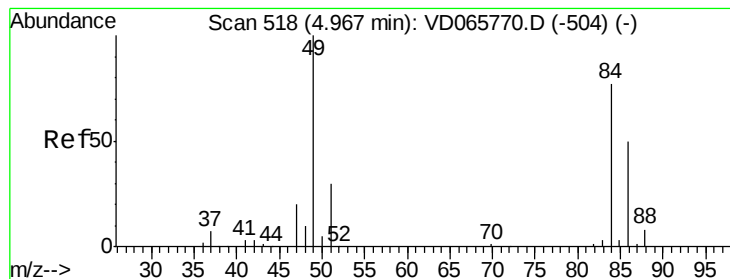
Tgt Ion: 43 Resp: 78

Ion Ratio Lower Upper

43 100

74 0.0 18.7 28.1#





#20

Methvlene Chloride

Concen: 2.614 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065784.D

Acq: 08 Jun 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

SPRE

Tot Ion: 84 Resp: 12475

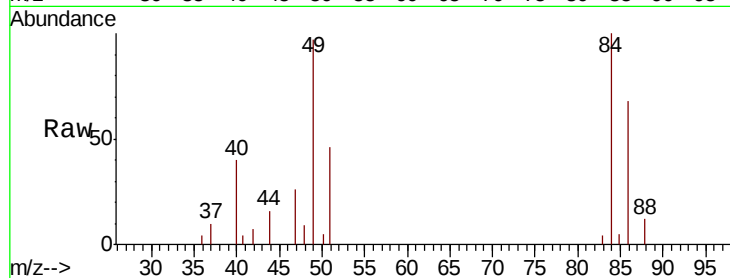
Ion Ratio Lower Upper

84 100

49 97.2 103.4 155.0#

51 45.7 31.4 47.2

86 68.2 51.7 77.5

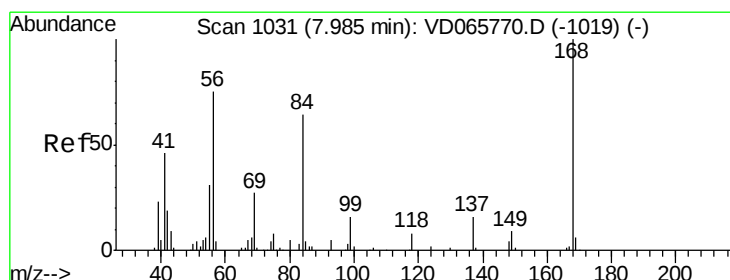
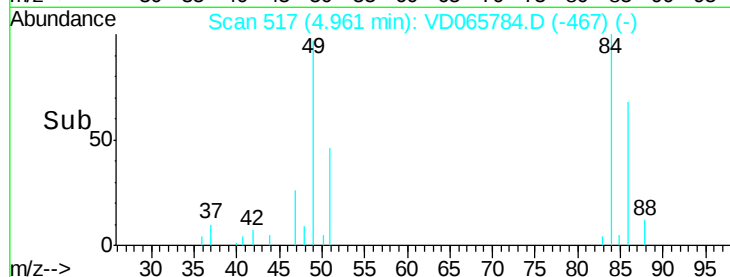
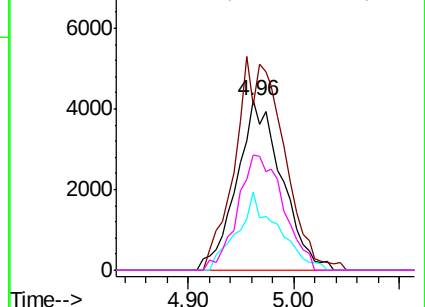


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#31

Cyclohexane

Concen: 1.657 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065784.D

Acq: 08 Jun 2020 16:53

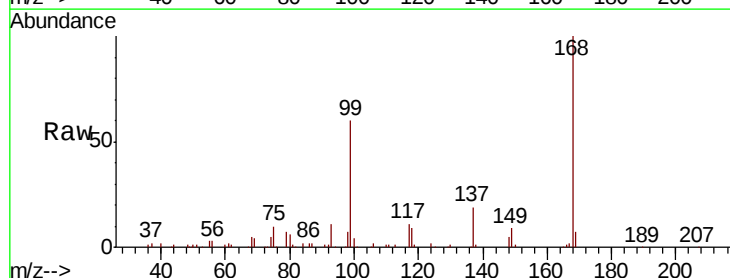
Tgt Ion: 56 Resp: 5417

Ion Ratio Lower Upper

56 100

69 128.1 28.5 42.7#

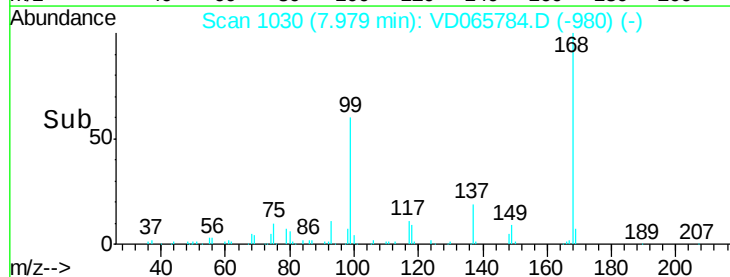
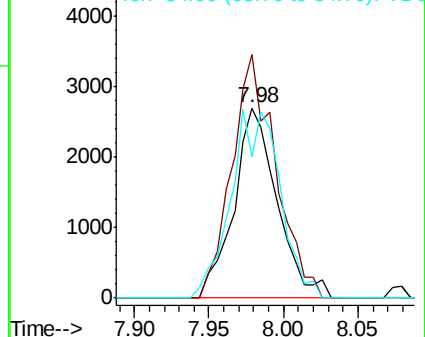
84 74.1 68.4 102.6

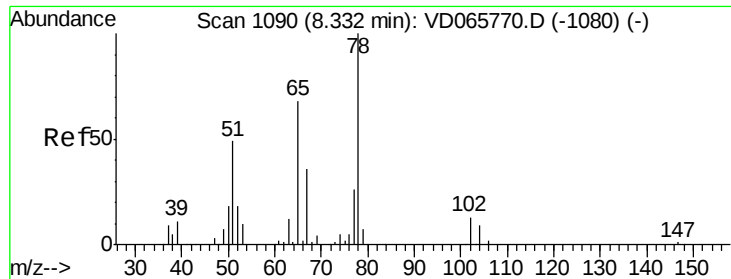


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

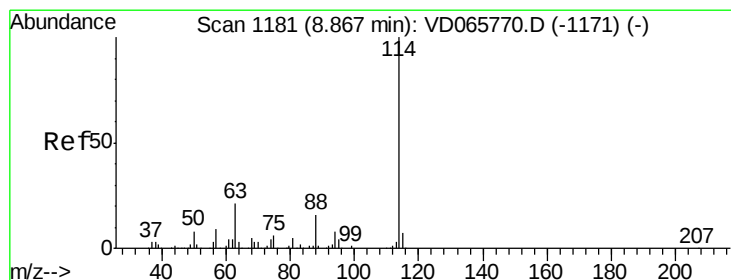
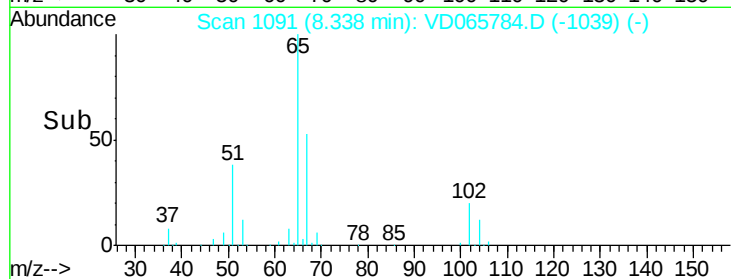
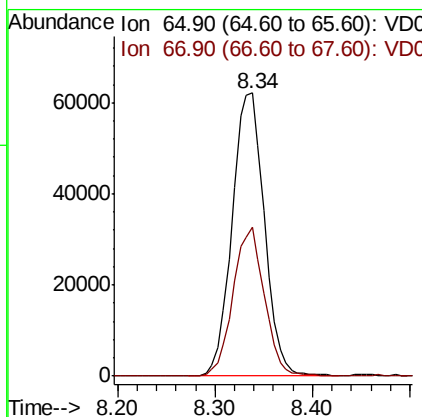
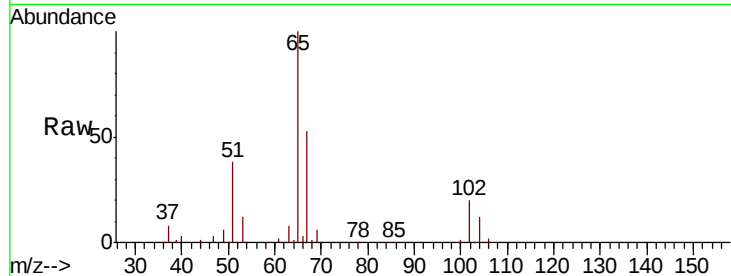




#33
 1,2-Dichloroethane-d4
 Concen: 78.485 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD065784.D
 Acq: 08 Jun 2020 16:53

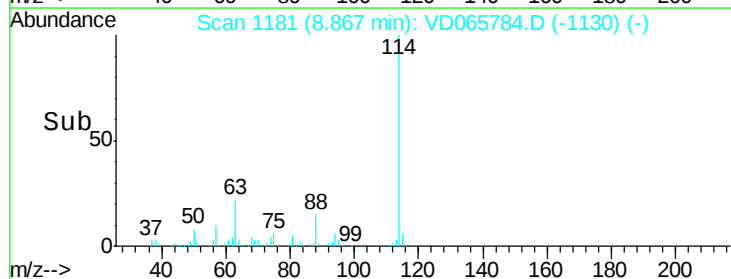
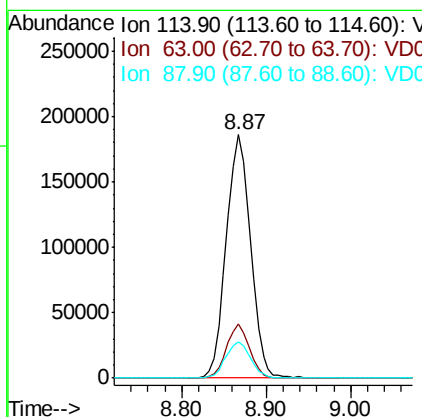
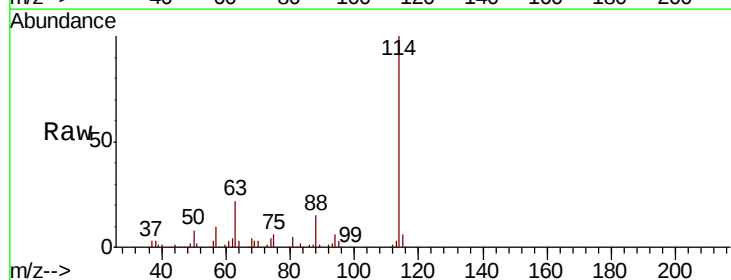
Instrument :
 MSVOA_D
 ClientSampleId :
 SPRE

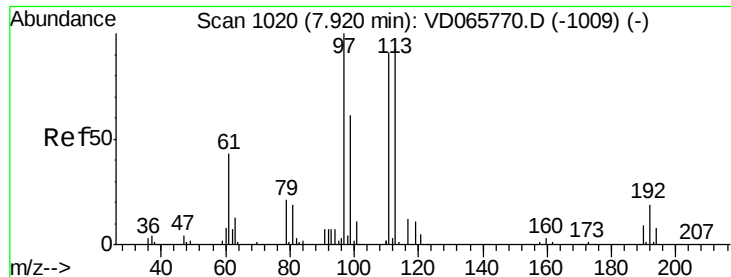
Tot Ion: 65 Resp: 143088
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065784.D
 Acq: 08 Jun 2020 16:53

Tgt Ion: 114 Resp: 370890
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 41.8
 88 14.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 54.959 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065784.D

Acq: 08 Jun 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

SPRE

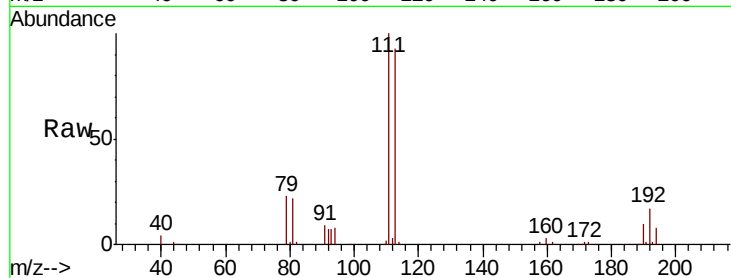
Tot Ion:113 Resp: 128757

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.0

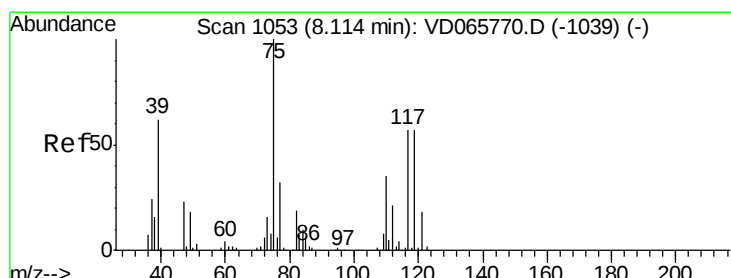
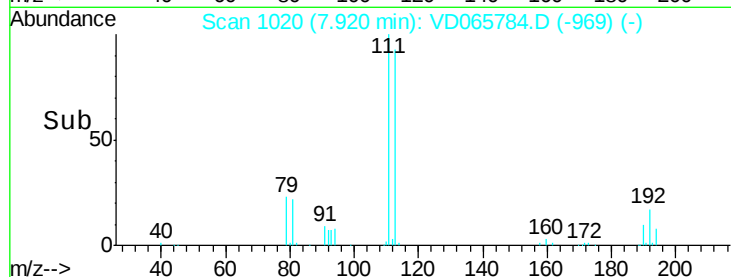
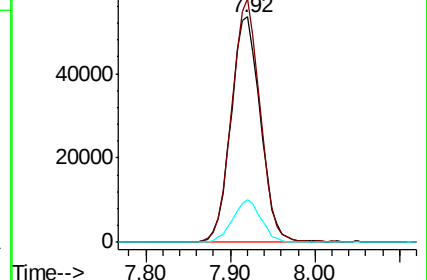
192 18.2 15.7 23.5



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: 4.913 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065784.D

Acq: 08 Jun 2020 16:53

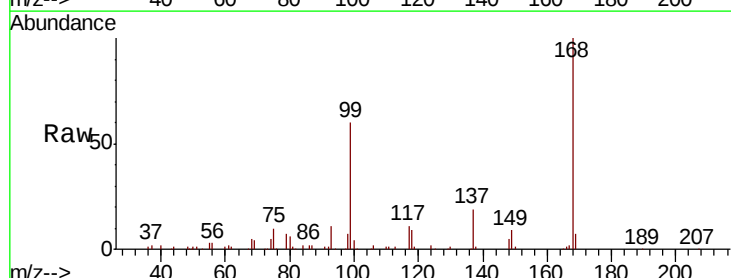
Tgt Ion: 75 Resp: 17455

Ion Ratio Lower Upper

75 100

110 8.9 17.6 52.8#

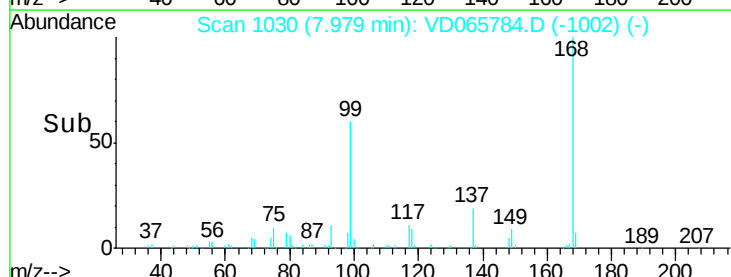
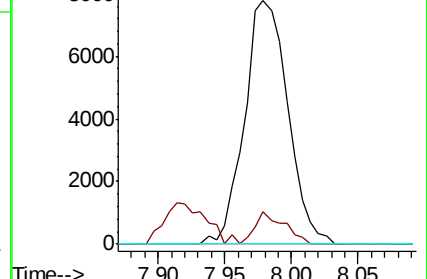
77 0.0 25.1 37.7#

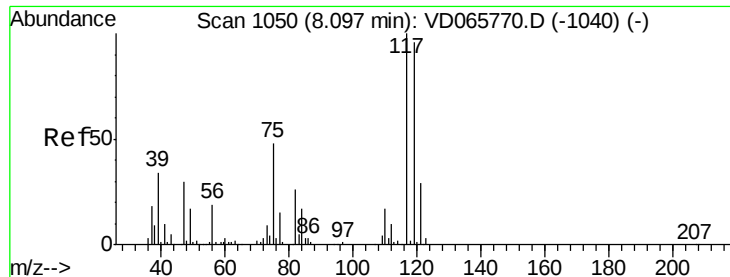


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

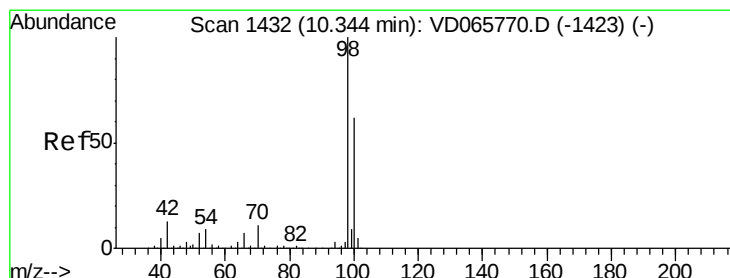
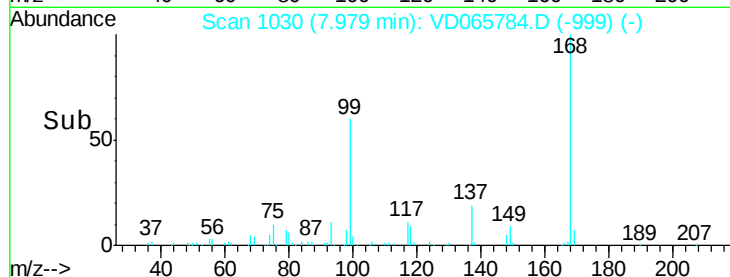
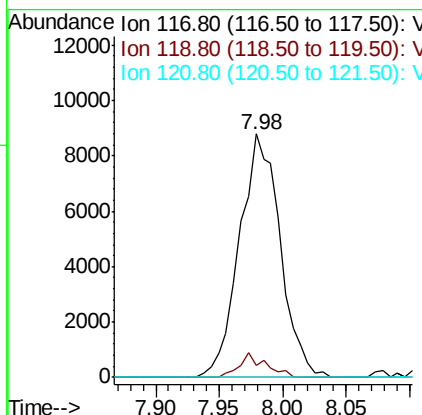
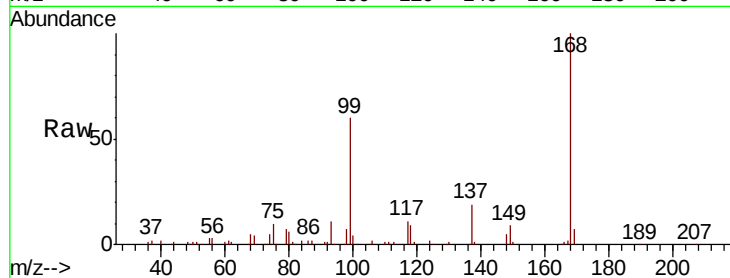




#38
Carbon Tetrachloride
Concen: 5.253 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065784.D
Acq: 08 Jun 2020 16:53

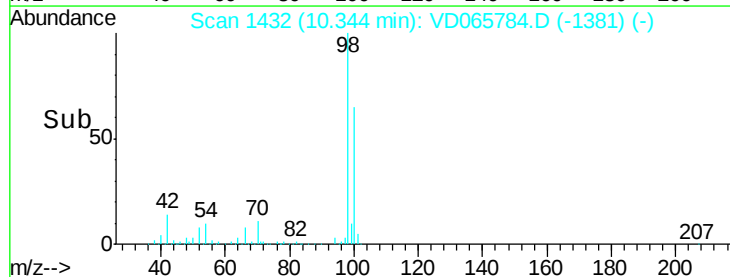
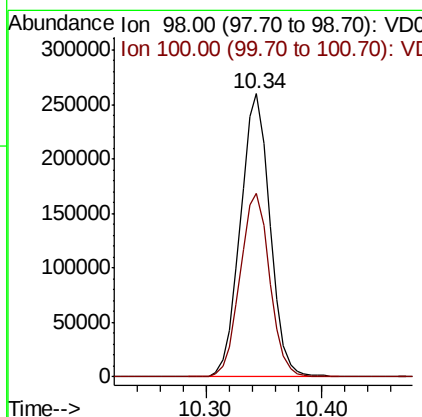
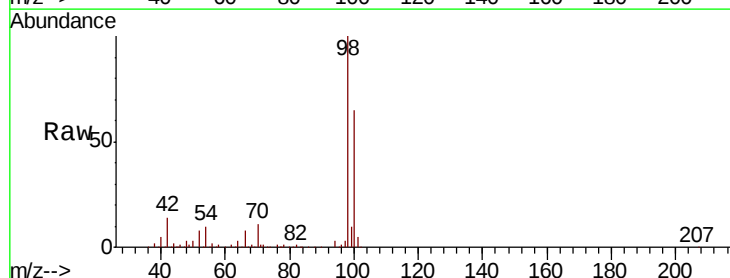
Instrument :
MSVOA_D
ClientSampleId :
SPRE

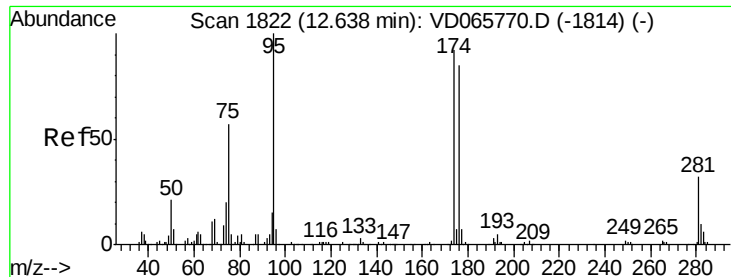
Tot Ion:117 Resp: 19641
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 52.922 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065784.D
Acq: 08 Jun 2020 16:53

Tgt Ion: 98 Resp: 462321
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.2

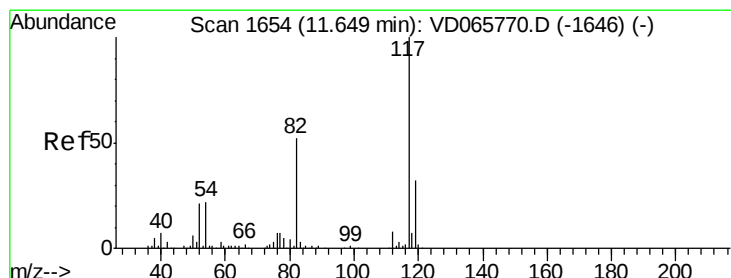
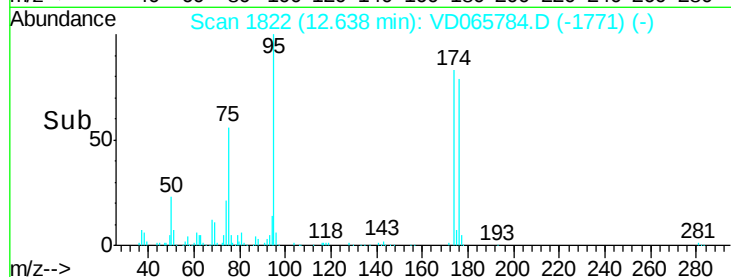
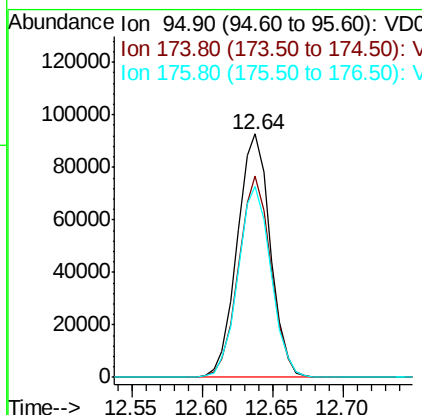
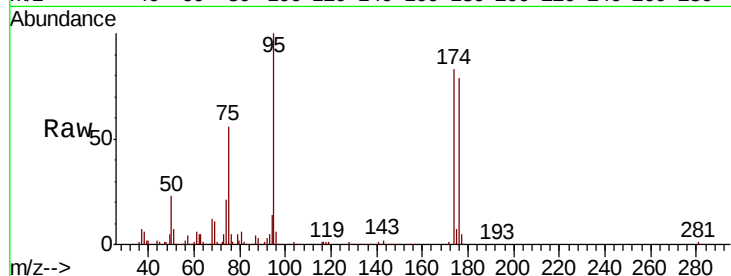




#62
4-Bromofluorobenzene
Concen: 51.198 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065784.D
Acq: 08 Jun 2020 16:53

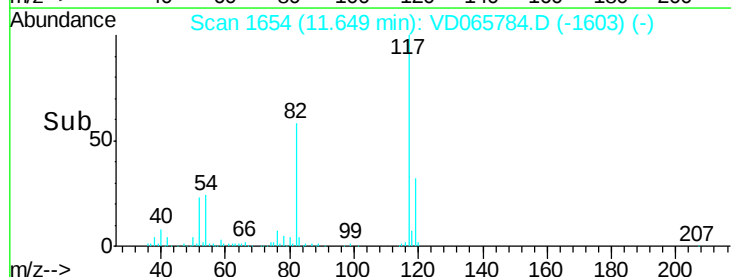
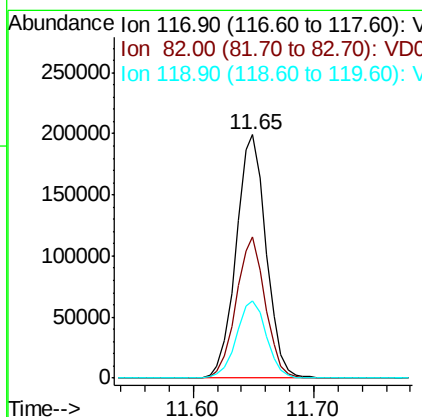
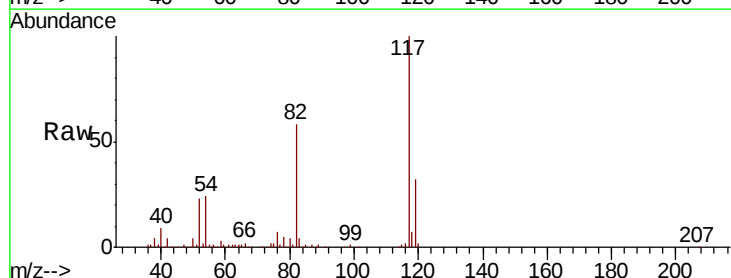
Instrument :
MSVOA_D
ClientSampleId :
SPRE

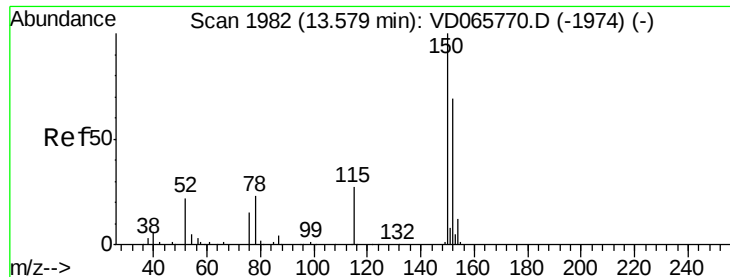
Tot Ion: 95 Resp: 151680
Ion Ratio Lower Upper
95 100
174 81.0 0.0 175.2
176 78.2 0.0 163.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065784.D
Acq: 08 Jun 2020 16:53

Tgt Ion: 117 Resp: 343746
Ion Ratio Lower Upper
117 100
82 57.9 41.9 62.9
119 32.0 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD065784.D

Acq: 08 Jun 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

SPRE

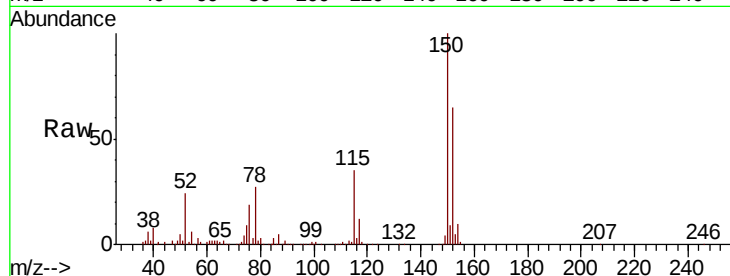
Tot Ion:152 Resp: 160838

Ion Ratio Lower Upper

152 100

115 58.5 28.7 86.1

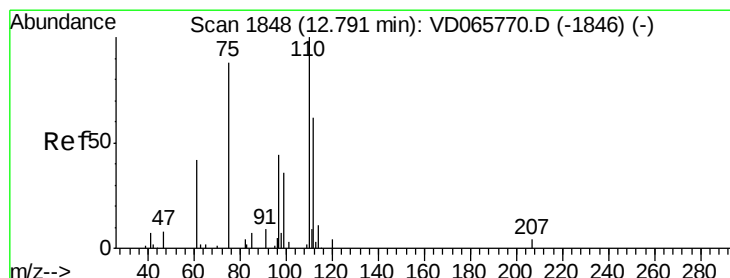
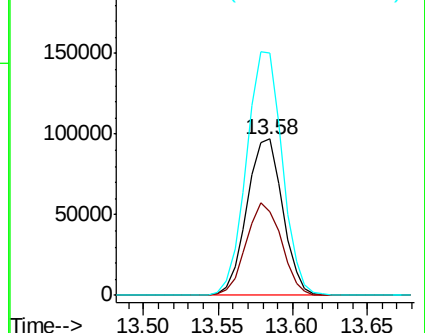
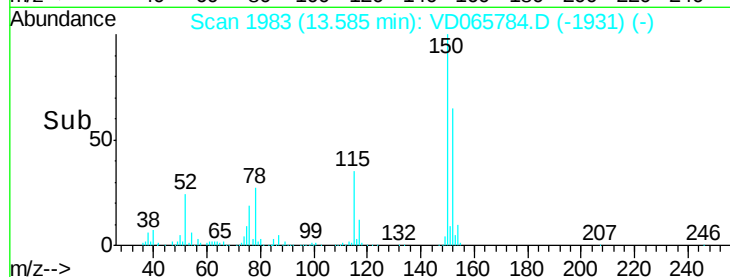
150 156.0 0.0 348.0



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: 66.860 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065784.D

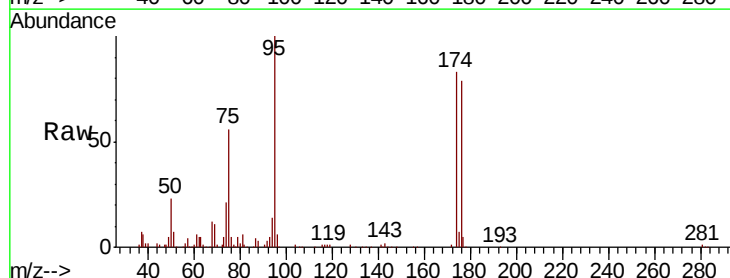
Acq: 08 Jun 2020 16:53

Tgt Ion: 75 Resp: 83633

Ion Ratio Lower Upper

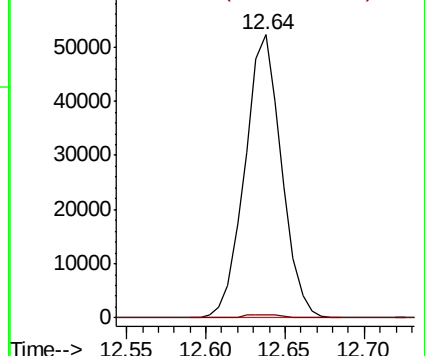
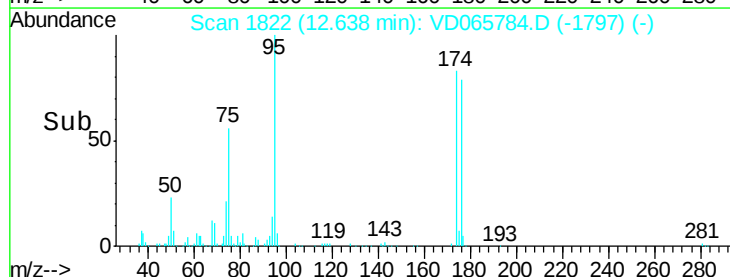
75 100

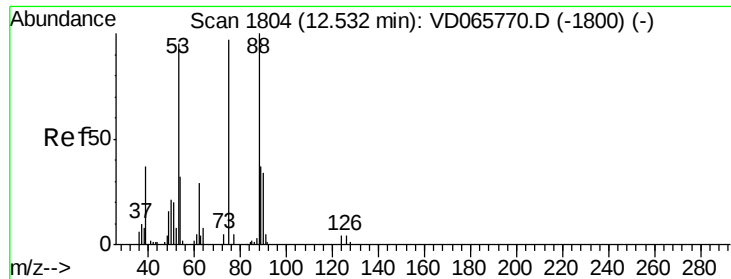
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 144.460 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065784.D

Acq: 08 Jun 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

SPRE

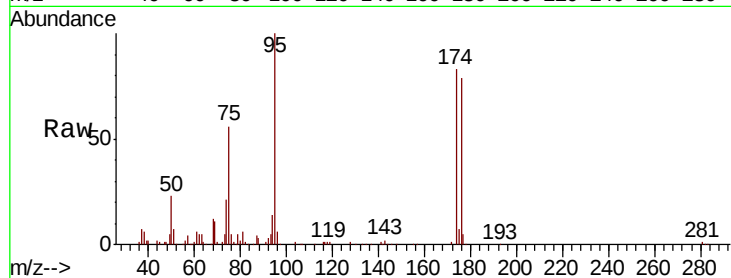
Tot Ion: 75 Resp: 83633

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.0 35.9 53.9#



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

