

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060820\
 Data File : VD065781.D
 Acq On : 08 Jun 2020 15:30
 Operator : VA/SY
 Sample : L2812-01
 Misc : 6.42G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 06:24:20 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	217278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	385856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	343902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152573	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	128347	59.78	ug/l	0.00
Spiked Amount			Recovery	=	119.56%	
35) Dibromofluoromethane	7.92	113	128437	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
50) Toluene-d8	10.34	98	481502	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
62) 4-Bromofluorobenzene	12.64	95	148938	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

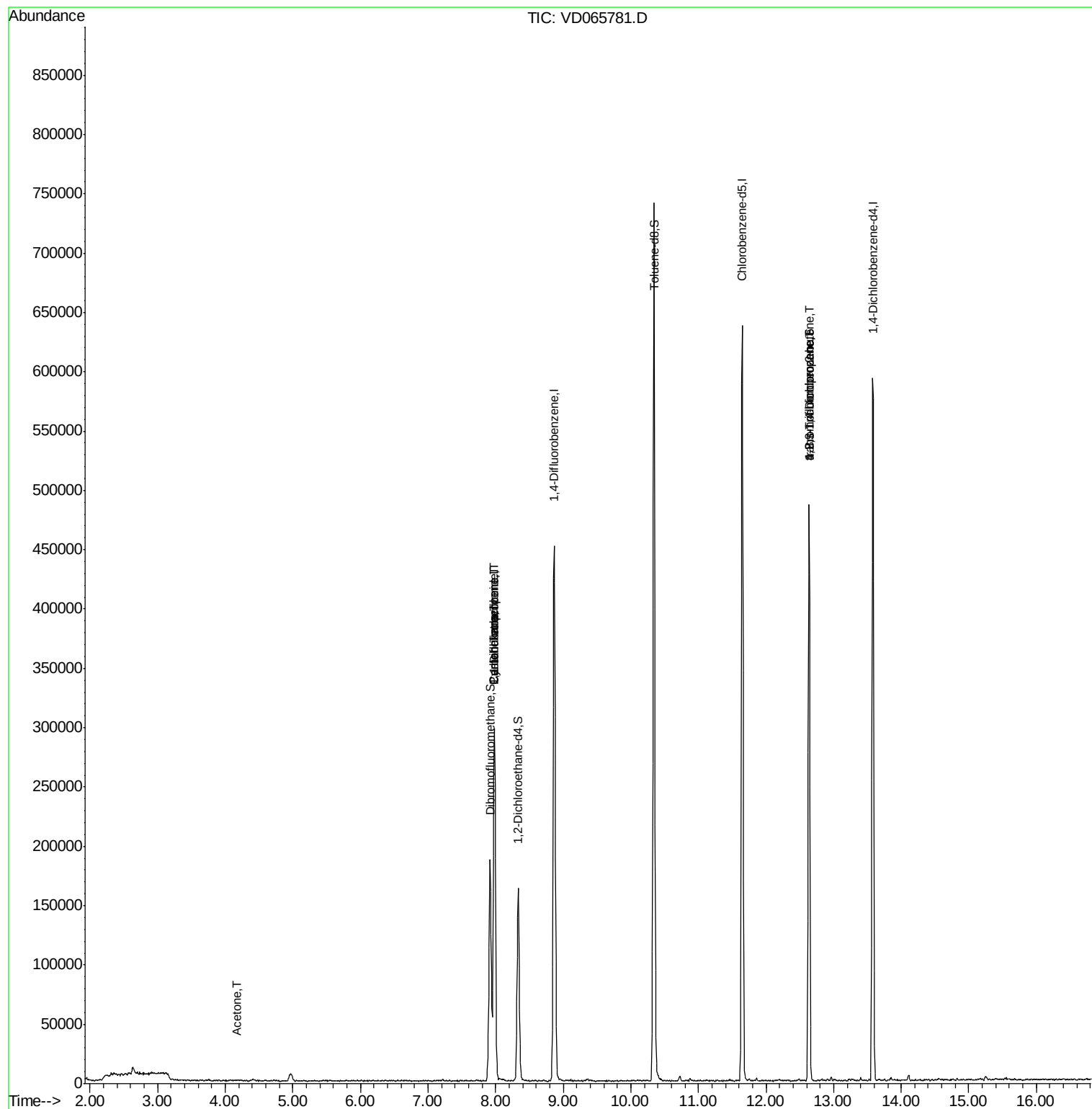
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	183	Below Cal	#	58
3) Chloromethane	2.21	50	586	Below Cal	#	69
16) Acetone	4.17	43	532	1.314	ug/l #	47
18) Methyl Acetate	4.73	43	54	Below Cal	#	52
20) Methylene Chloride	4.98	84	4797	Below Cal	#	86
31) Cyclohexane	7.98	56	6273	1.629	ug/l #	28
36) 1,1-Dichloropropene	7.98	75	19117	5.172	ug/l #	50
38) Carbon Tetrachloride	7.98	117	23396	6.014	ug/l #	20
76) 1,2,3-Trichloropropane	12.64	75	80073	67.482	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	80073	145.803	ug/l #	9

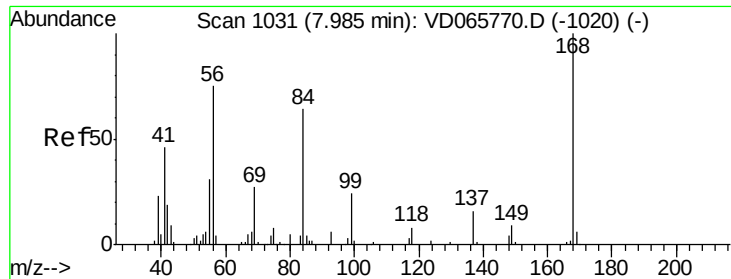
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 05 13:07:30 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: VD065781.D

Acq: 08 Jun 2020 15:30

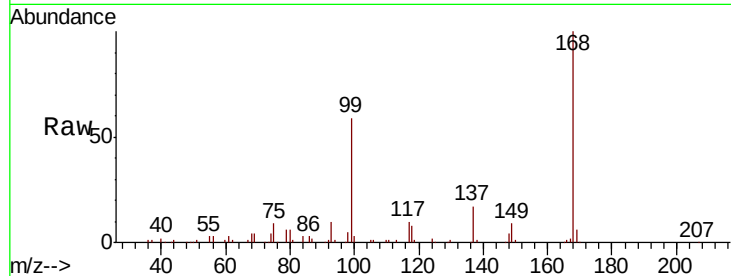
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 217278

Ion Ratio Lower Upper

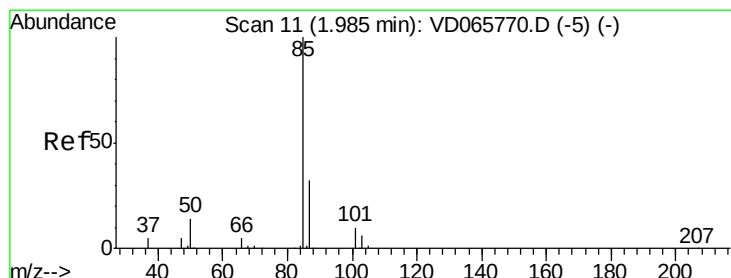
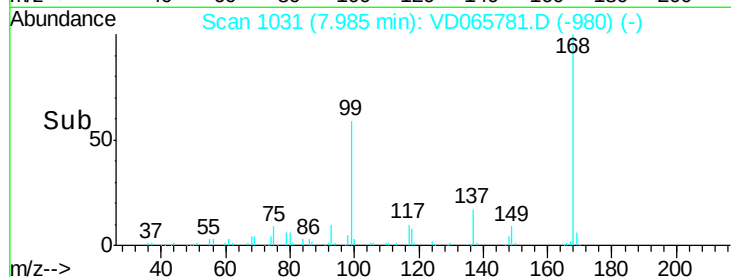
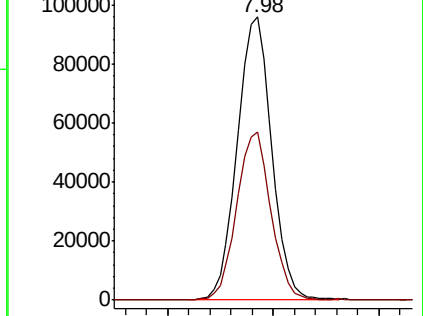
168 100

99 59.2 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: VD065781.D

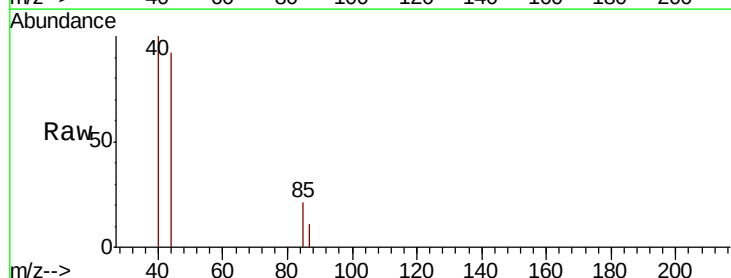
Acq: 08 Jun 2020 15:30

Tgt Ion: 85 Resp: 183

Ion Ratio Lower Upper

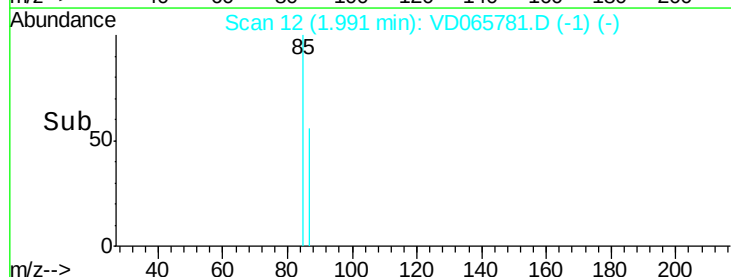
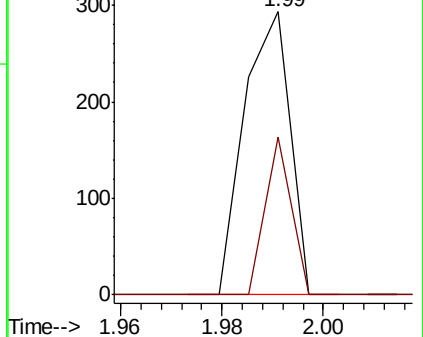
85 100

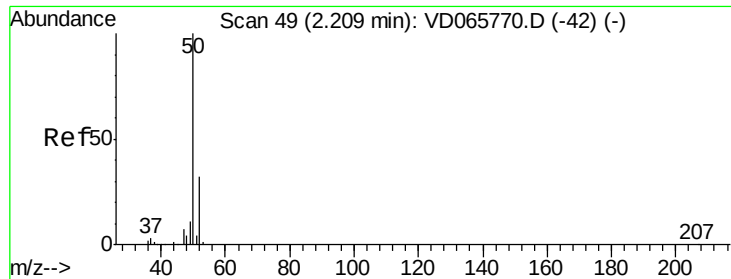
87 55.6 16.2 48.5#



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: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065781.D

Acq: 08 Jun 2020 15:30

Instrument :

MSVOA_D

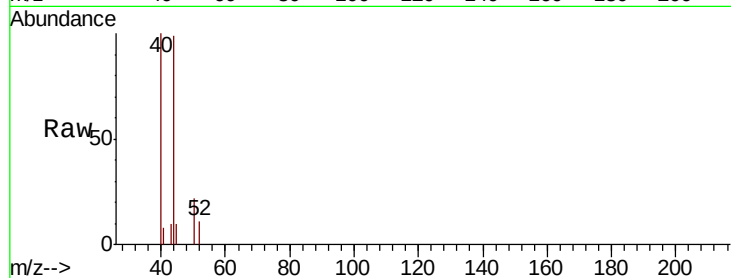
ClientSampled :

Tot Ion: 50 Resp: 586

Ion Ratio Lower Upper

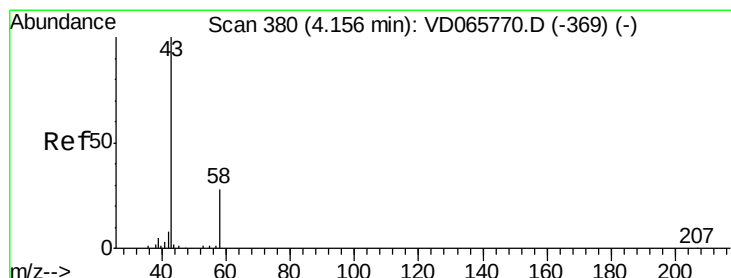
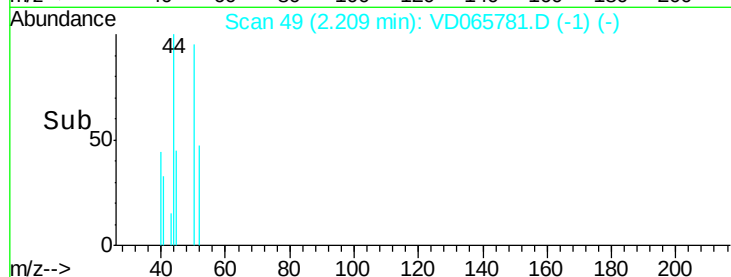
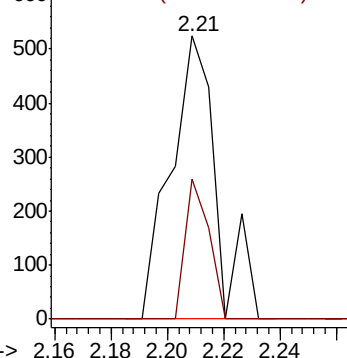
50 100

52 49.2 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#16

Acetone

Concen: 1.314 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065781.D

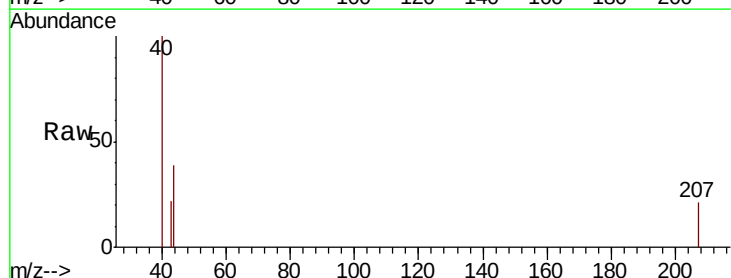
Acq: 08 Jun 2020 15:30

Tgt Ion: 43 Resp: 532

Ion Ratio Lower Upper

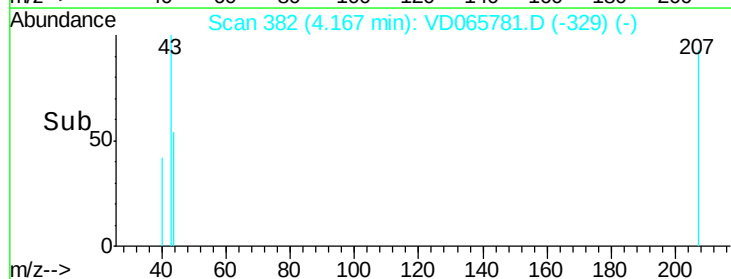
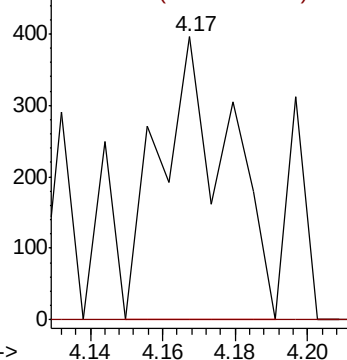
43 100

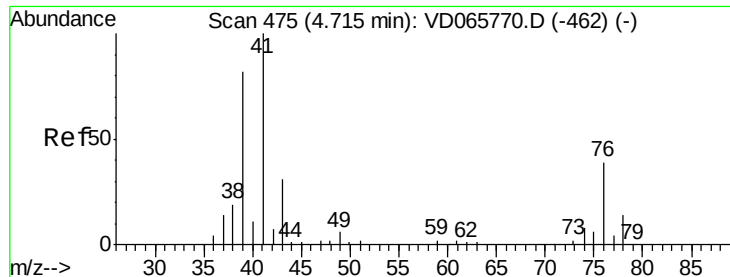
58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

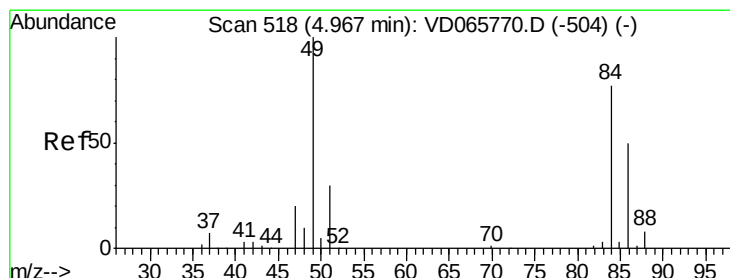
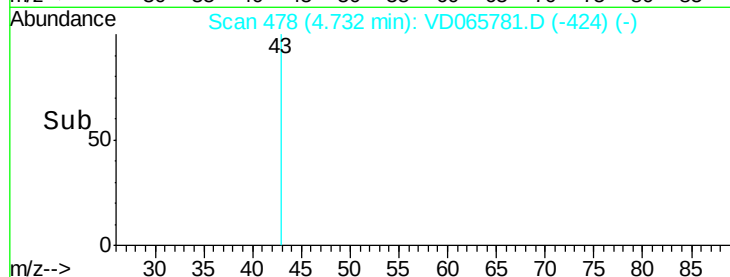
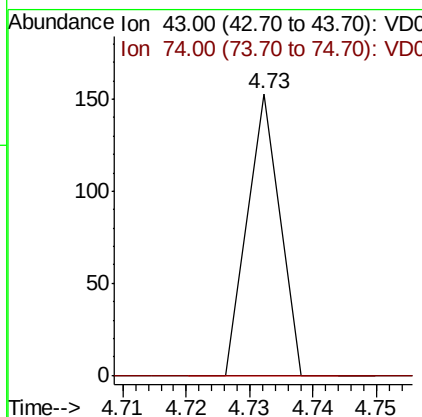
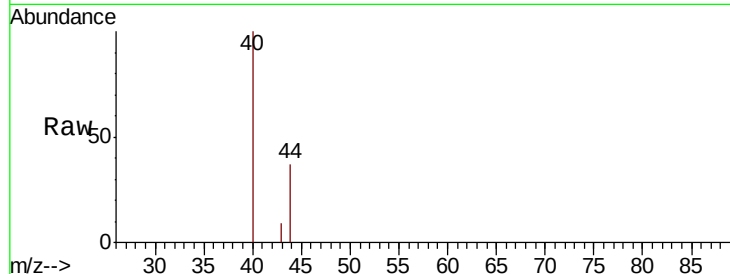




#18
Methyl Acetate
Concen: Below Cal
RT: 4.73 min Scan# 478
Delta R.T. 0.02 min
Lab File: VD065781.D
Acq: 08 Jun 2020 15:30

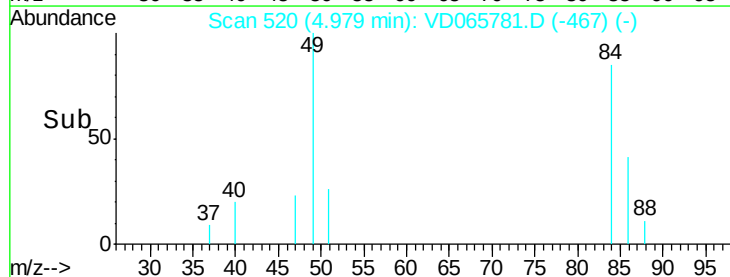
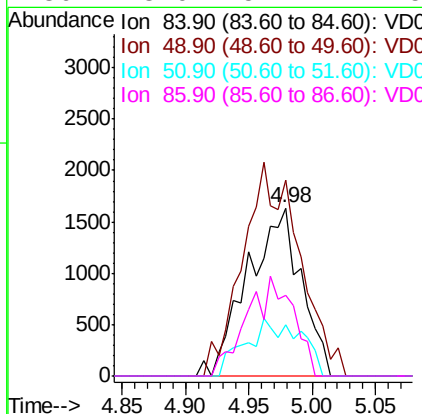
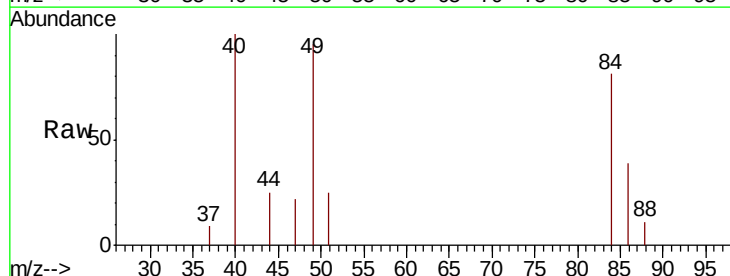
Instrument :
MSVOA_D
ClientSampleId :

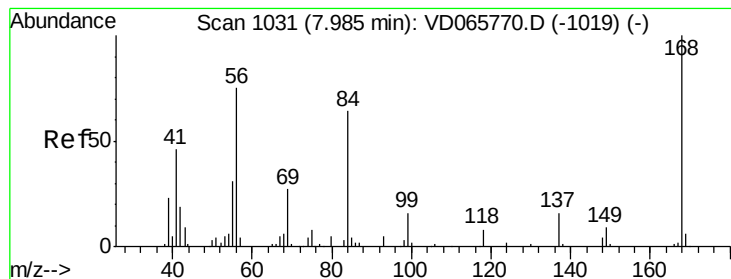
Tot Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD065781.D
Acq: 08 Jun 2020 15:30

Tgt Ion: 84 Resp: 4797
Ion Ratio Lower Upper
84 100
49 117.0 103.4 155.0
51 30.3 31.4 47.2#
86 48.0 51.7 77.5#





#31

Cyclohexane

Concen: 1.629 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065781.D

Acq: 08 Jun 2020 15:30

Instrument :

MSVOA_D

ClientSampled :

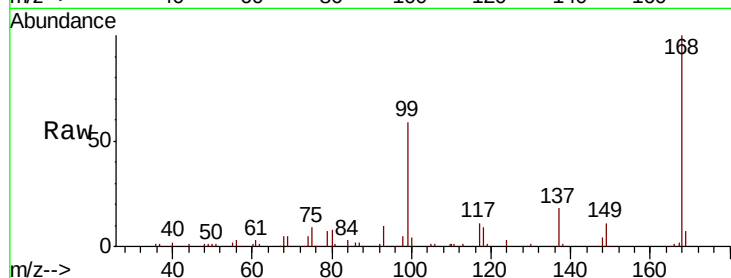
Tot Ion: 56 Resp: 6273

Ion Ratio Lower Upper

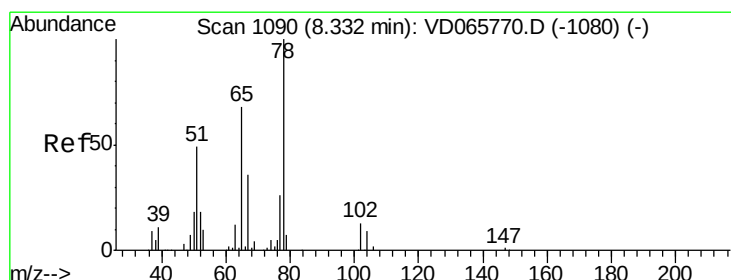
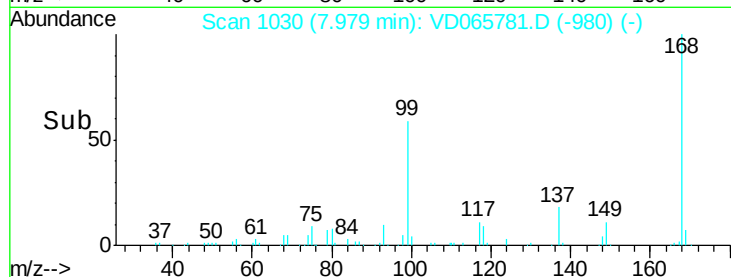
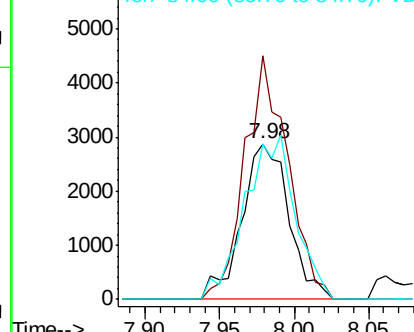
56 100

69 156.5 28.5 42.7#

84 100.0 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: 59.780 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065781.D

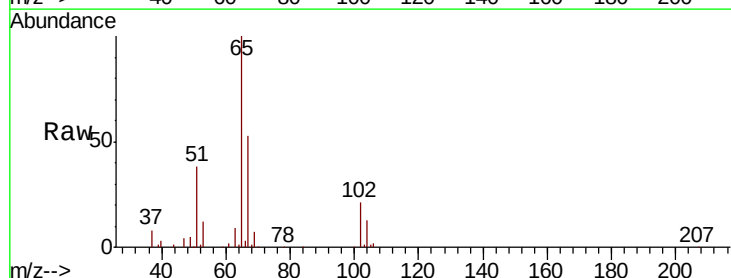
Acq: 08 Jun 2020 15:30

Tgt Ion: 65 Resp: 128347

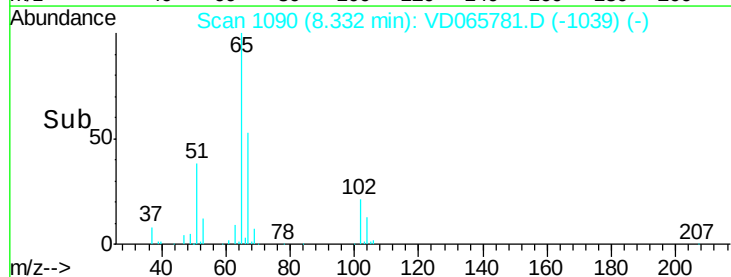
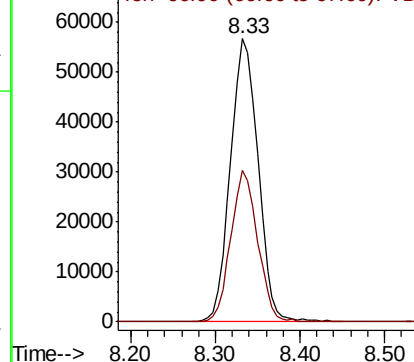
Ion Ratio Lower Upper

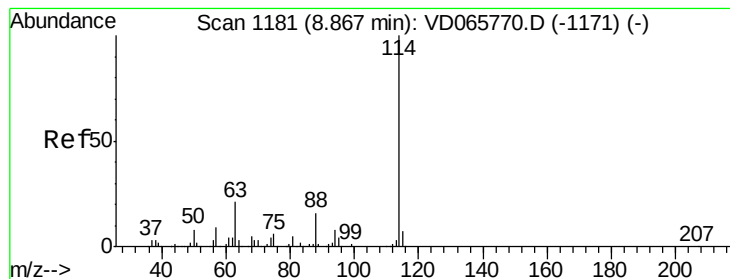
65 100

67 52.0 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: VD065781.D

Acq: 08 Jun 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

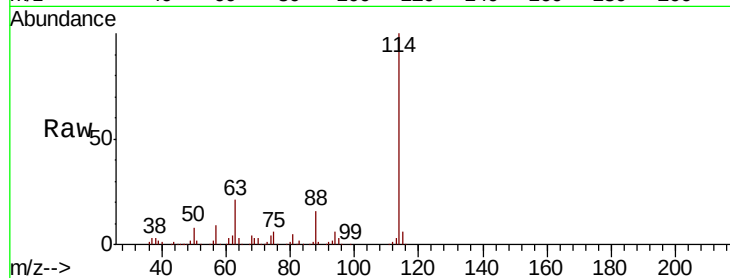
Tot Ion:114 Resp: 385856

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.8

88 15.7 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

250000

200000

150000

100000

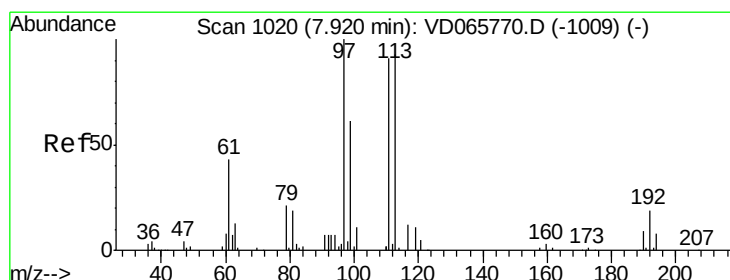
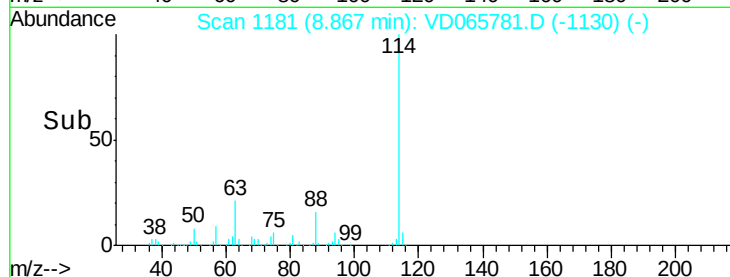
50000

0

8.87

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 52.697 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065781.D

Acq: 08 Jun 2020 15:30

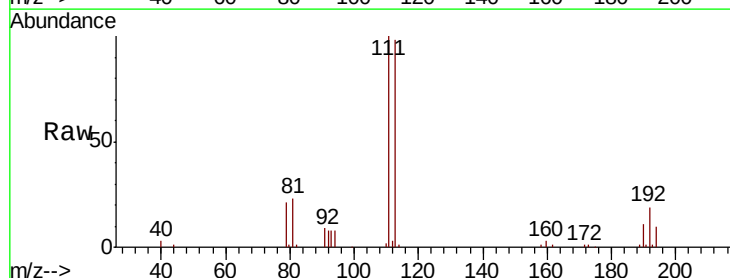
Tgt Ion:113 Resp: 128437

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.0

192 19.1 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

60000

40000

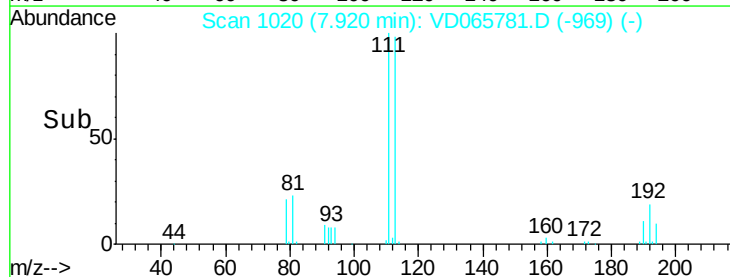
20000

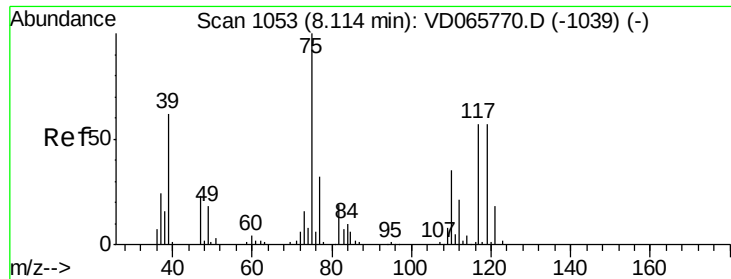
0

7.92

7.80 7.90 8.00

Time-->

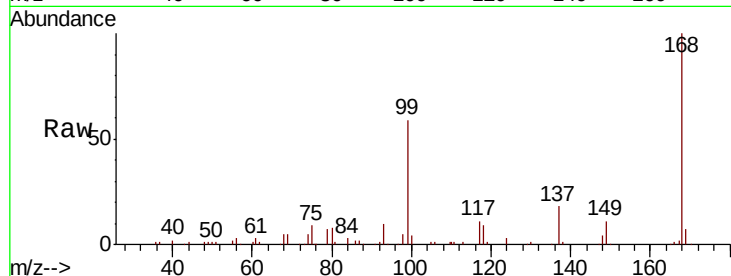




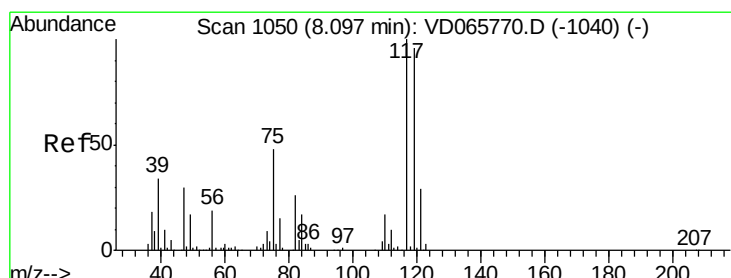
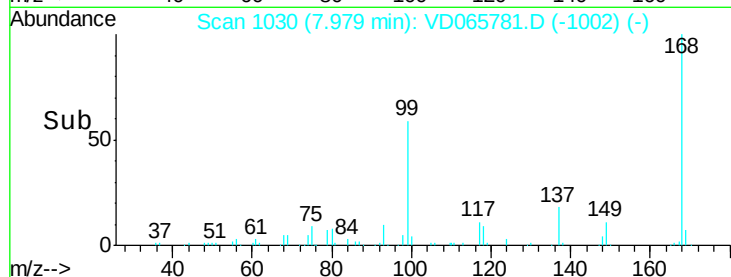
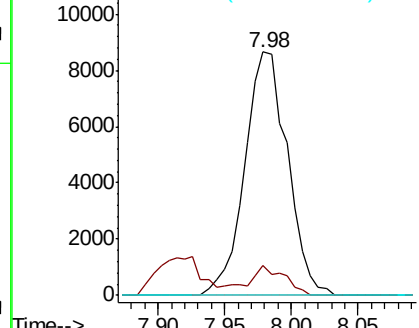
#36
 1,1-Dichloropropene
 Concen: 5.172 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065781.D
 Acq: 08 Jun 2020 15:30

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	75	Resp	19117
Ion Ratio	100	Lower	Upper
75	100		
110	9.7	17.6	52.8#
77	0.0	25.1	37.7#

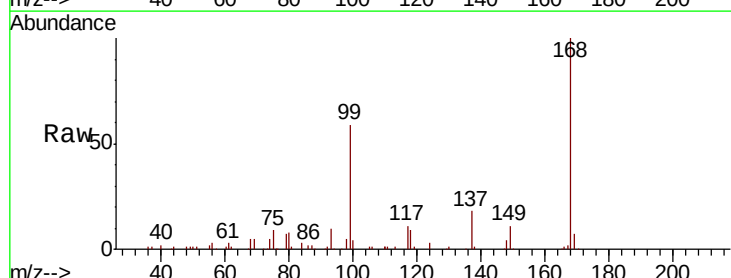


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

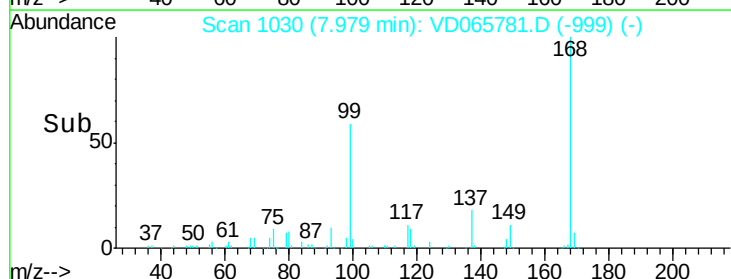
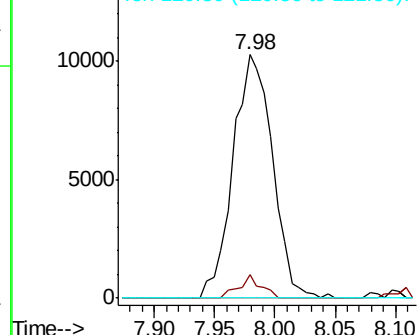


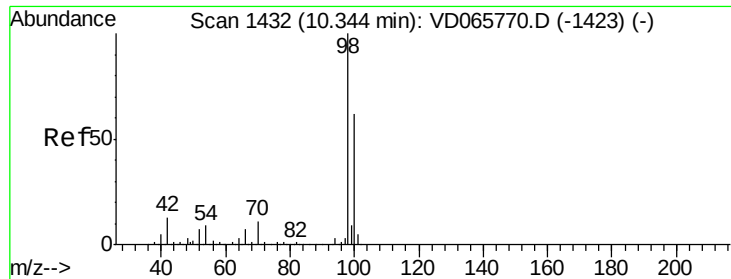
#38
 Carbon Tetrachloride
 Concen: 6.014 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065781.D
 Acq: 08 Jun 2020 15:30

Tgt Ion	117	Resp	23396
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	9.7	76.8	115.2#
121	0.0	23.4	35.2#



Abundance Ion 116.80 (116.50 to 117.50): VDC
 Ion 118.80 (118.50 to 119.50): VDC
 Ion 120.80 (120.50 to 121.50): VDC





#50

Toluene-d8

Concen: 52.980 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065781.D

Acq: 08 Jun 2020 15:30

Instrument :

MSVOA_D

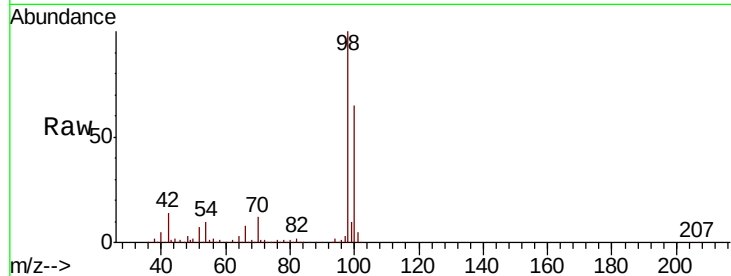
ClientSampleId :

Tot Ion: 98 Resp: 481502

Ion Ratio Lower Upper

98 100

100 65.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VD065770.D (-1423) (-)

Ion 100.00 (99.70 to 100.70): VD065770.D (-1423) (-)

10.34

300000

250000

200000

150000

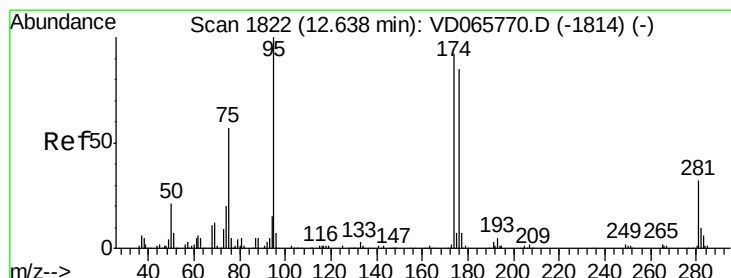
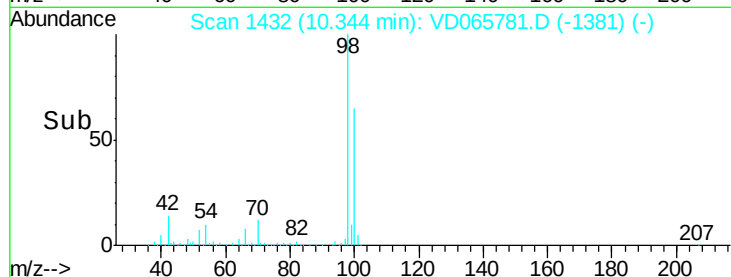
100000

50000

0

Time-->

10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 48.322 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065781.D

Acq: 08 Jun 2020 15:30

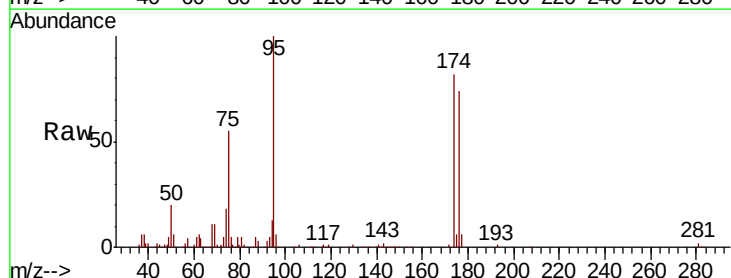
Tgt Ion: 95 Resp: 148938

Ion Ratio Lower Upper

95 100

174 82.4 0.0 175.2

176 78.1 0.0 163.0



Abundance Ion 94.90 (94.60 to 95.60): VD065770.D (-1814) (-)

Ion 173.80 (173.50 to 174.50): VD065770.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD065770.D (-1814) (-)

12.64

120000

100000

80000

60000

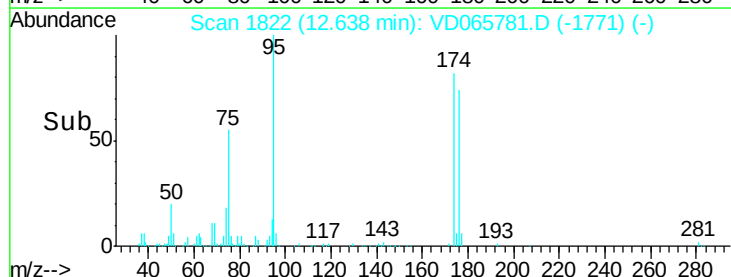
40000

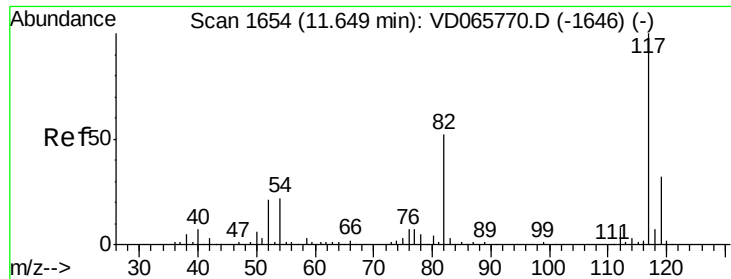
20000

0

Time-->

12.55 12.60 12.65 12.70

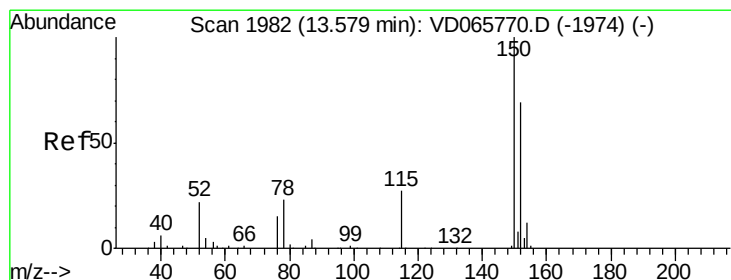
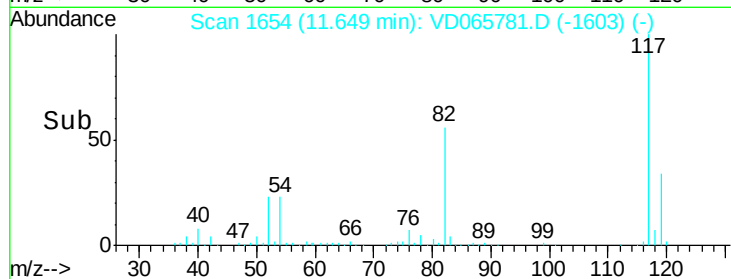
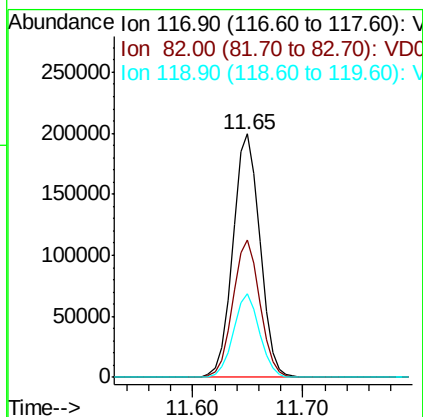
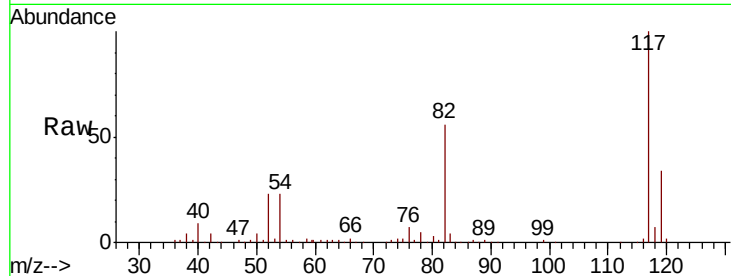




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065781.D
Acq: 08 Jun 2020 15:30

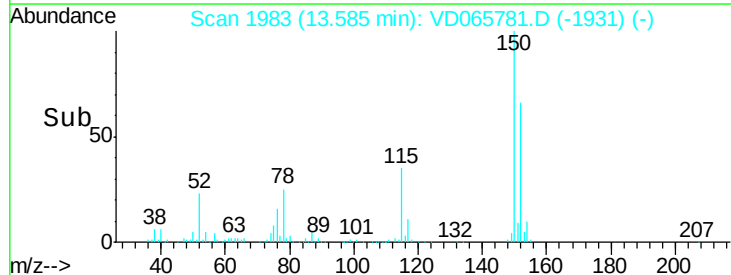
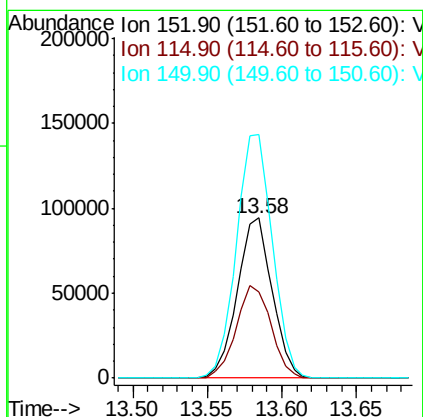
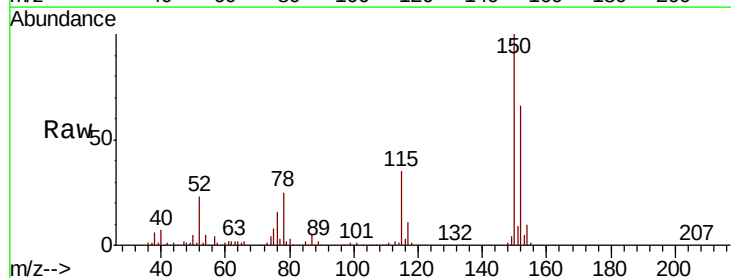
Instrument :
MSVOA_D
ClientSampled :

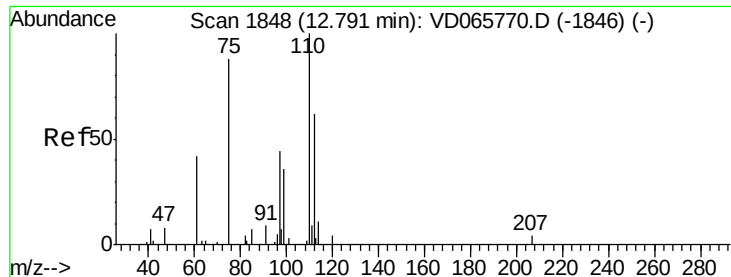
Tot Ion:117 Resp: 343902
Ion Ratio Lower Upper
117 100
82 56.5 41.9 62.9
119 34.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD065781.D
Acq: 08 Jun 2020 15:30

Tgt Ion:152 Resp: 152573
Ion Ratio Lower Upper
152 100
115 58.0 28.7 86.1
150 157.7 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 67.482 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065781.D

Acq: 08 Jun 2020 15:30

Instrument :

MSVOA_D

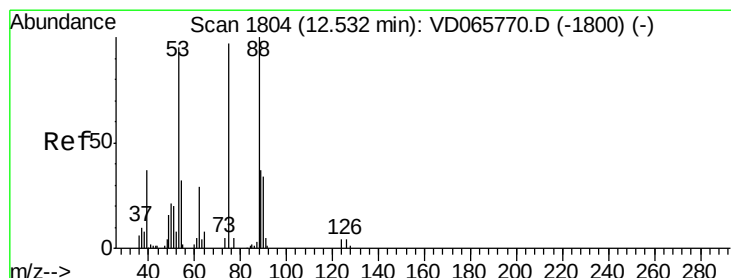
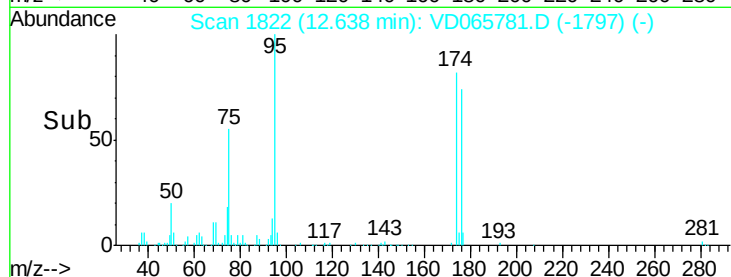
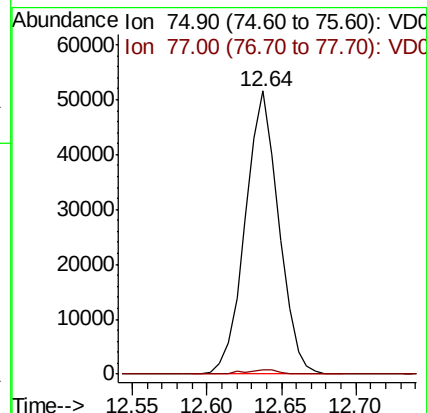
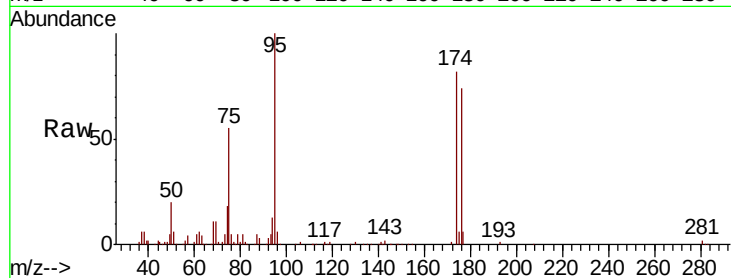
ClientSampled :

Tot Ion: 75 Resp: 80073

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 145.803 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065781.D

Acq: 08 Jun 2020 15:30

Tgt Ion: 75 Resp: 80073

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.0 35.9 53.9#

