

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061920\
 Data File : VD065832.D
 Acq On : 19 Jun 2020 16:53
 Operator : VA/SY
 Sample : L3024-10RE
 Misc : 6.18G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-7

Quant Time: Jun 20 01:26:58 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	151005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	271626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	234930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	89995	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	88604	59.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.76%	
35) Dibromofluoromethane	7.91	113	84783	49.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.82%	
50) Toluene-d8	10.34	98	289942	45.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.64%	
62) 4-Bromofluorobenzene	12.64	95	83677	38.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.14%	

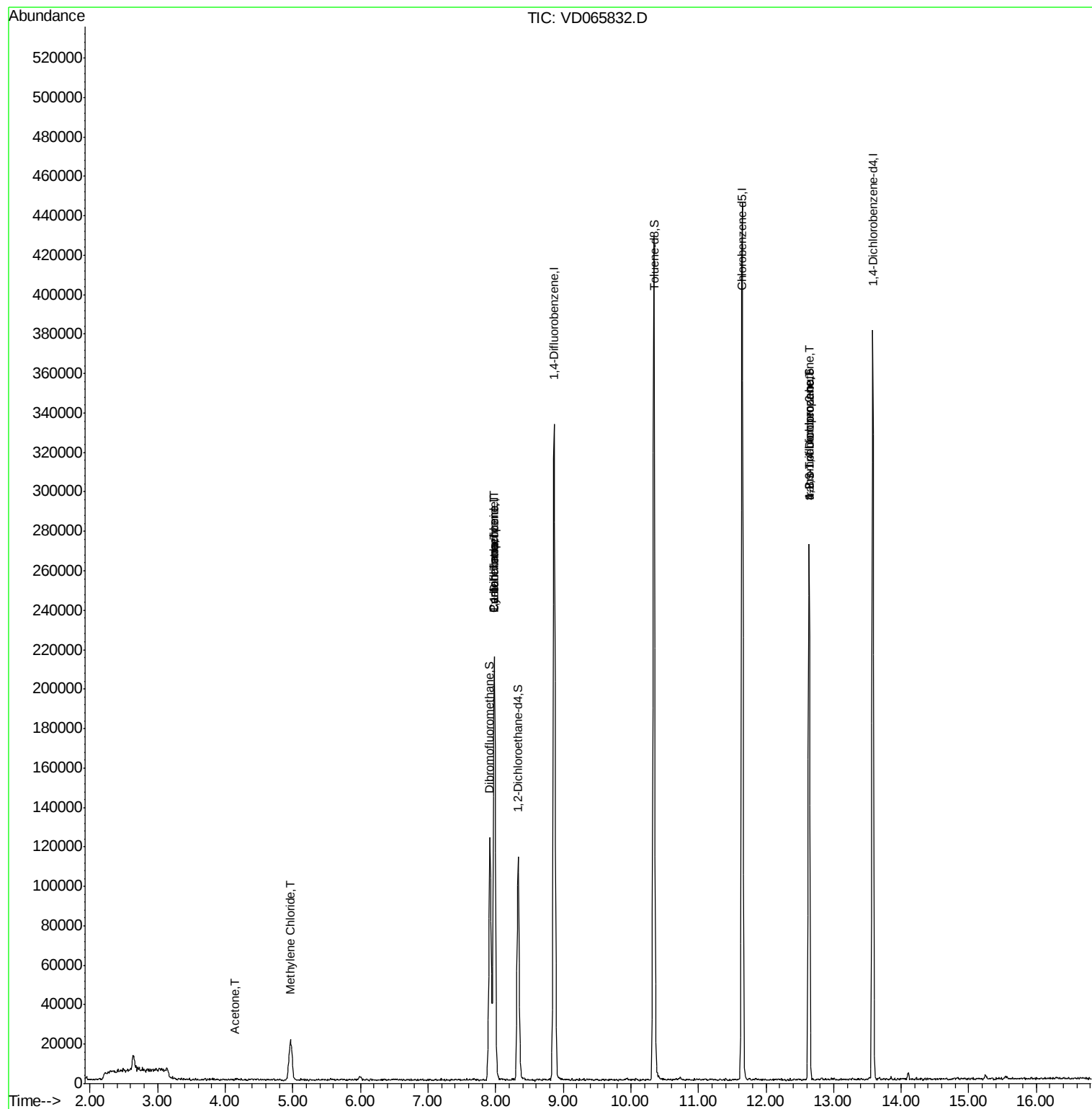
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	325	Below Cal	#	43
16) Acetone	4.15	43	681	2.419	ug/l #	47
18) Methyl Acetate	4.43	43	58	Below Cal	#	52
20) Methylene Chloride	4.97	84	15374	6.406	ug/l	92
31) Cyclohexane	7.97	56	4190	1.566	ug/l #	30
36) 1,1-Dichloropropene	7.98	75	13142	5.051	ug/l #	49
38) Carbon Tetrachloride	7.98	117	16918	6.178	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	46287	66.133	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	46287	142.889	ug/l #	9

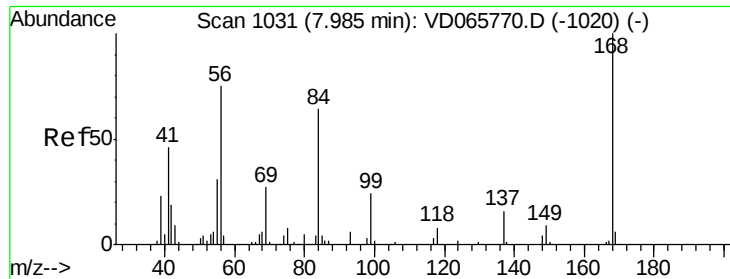
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065832.D

Acq: 19 Jun 2020 16:53

Instrument :

MSVOA_D

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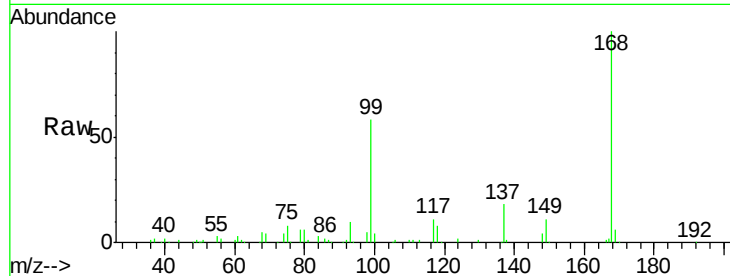
RO-7

Tgt Ion:168 Resp: 151005

Ion Ratio Lower Upper

168 100

99 58.4 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

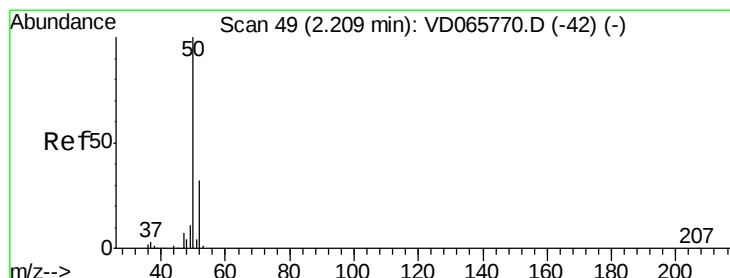
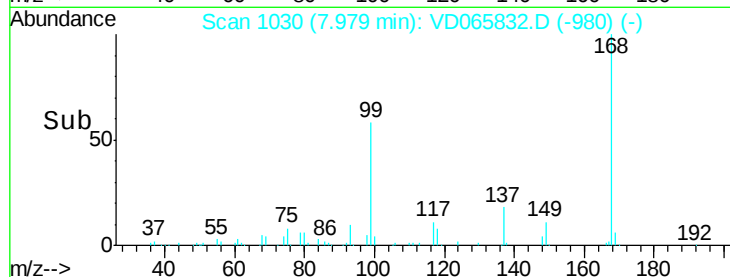
40000

20000

0

7.90 8.00 8.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD065832.D

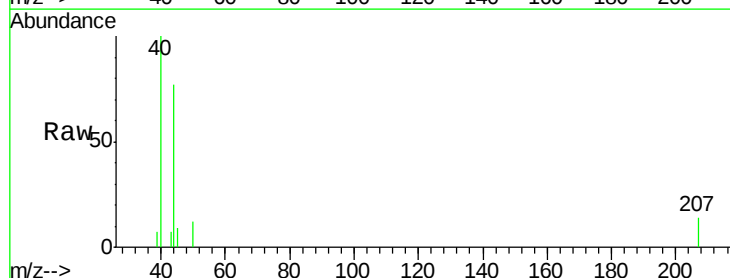
Acq: 19 Jun 2020 16:53

Tgt Ion: 50 Resp: 325

Ion Ratio Lower Upper

50 100

52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

300

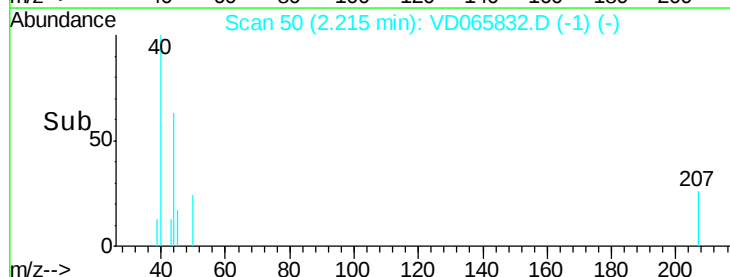
200

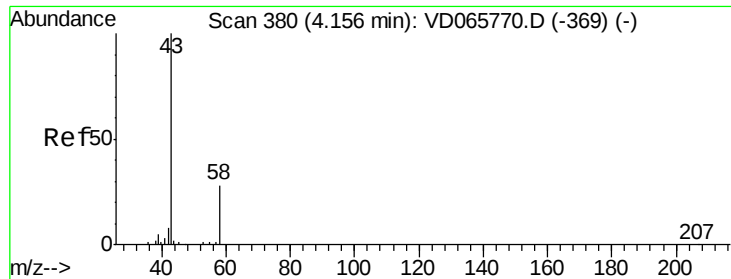
100

0

2.18 2.20 2.22 2.24

Time-->





#16

Acetone

Concen: 2.419 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065832.D

Acq: 19 Jun 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

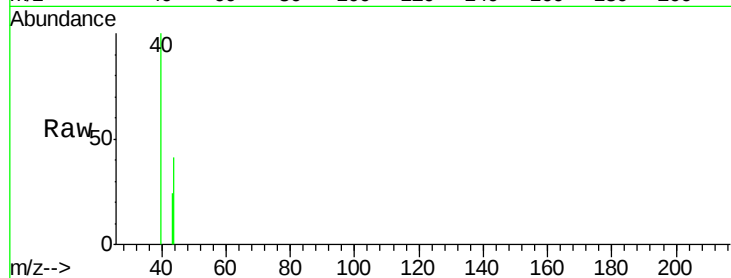
RO-7

Tgt Ion: 43 Resp: 681

Ion Ratio Lower Upper

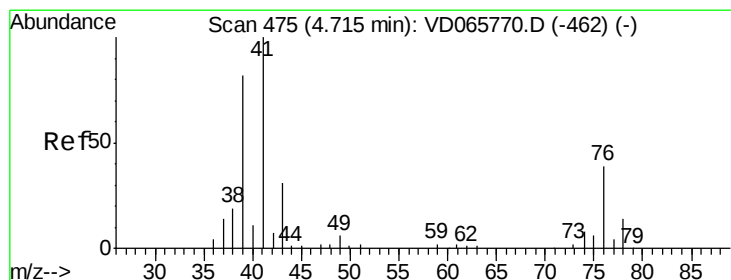
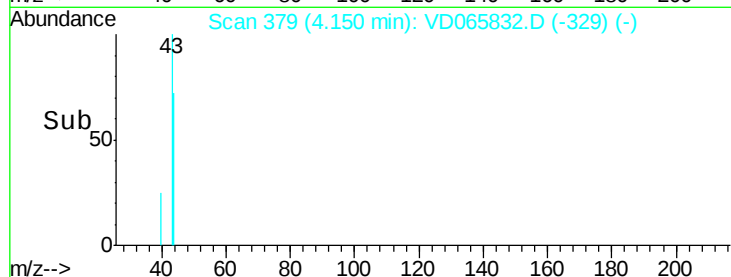
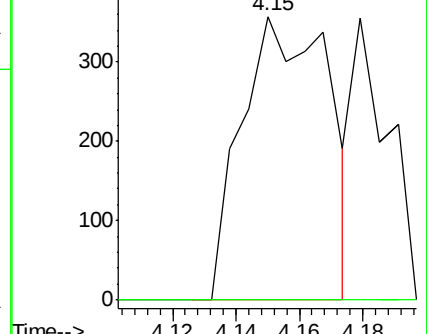
43 100

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: 4.43 min Scan# 427

Delta R.T. -0.28 min

Lab File: VD065832.D

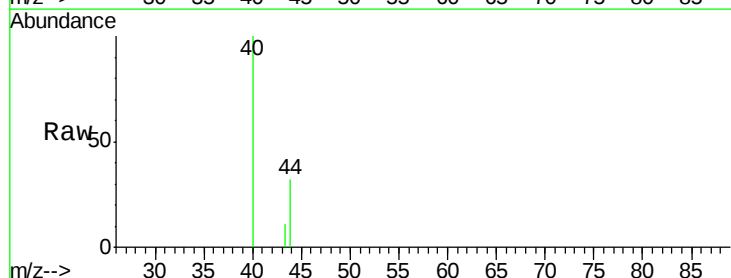
Acq: 19 Jun 2020 16:53

Tgt Ion: 43 Resp: 58

Ion Ratio Lower Upper

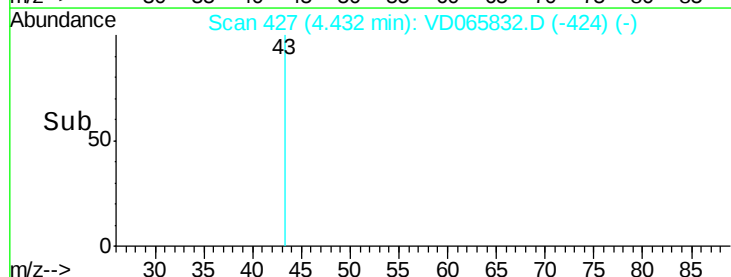
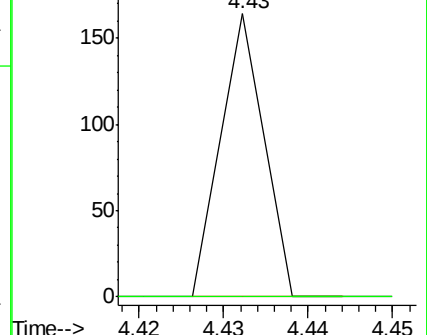
43 100

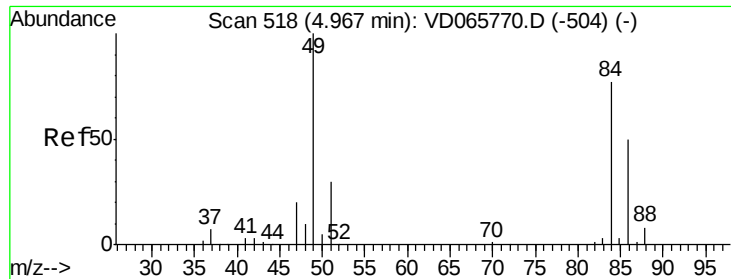
74 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

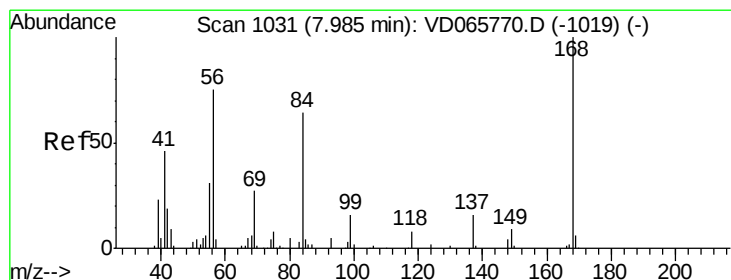
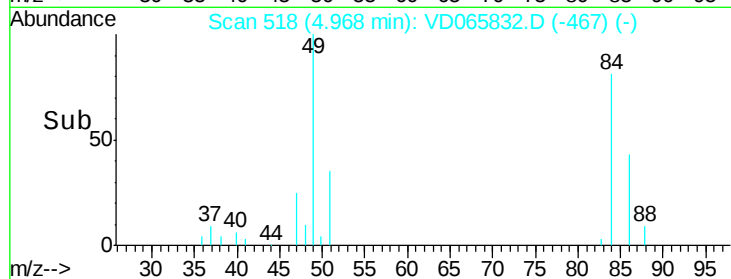
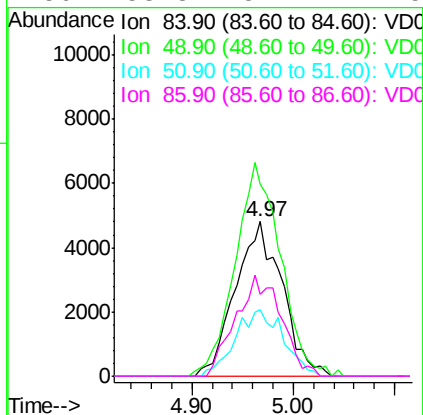
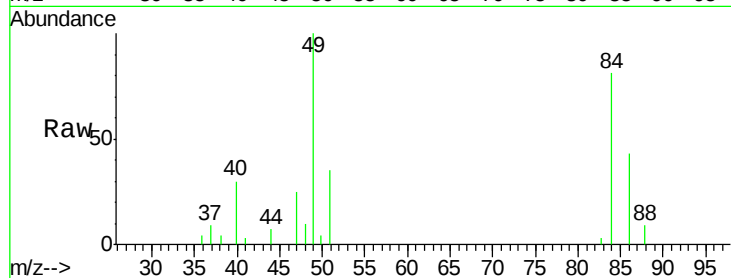




#20
Methylene Chloride
Concen: 6.406 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065832.D
Acq: 19 Jun 2020 16:53

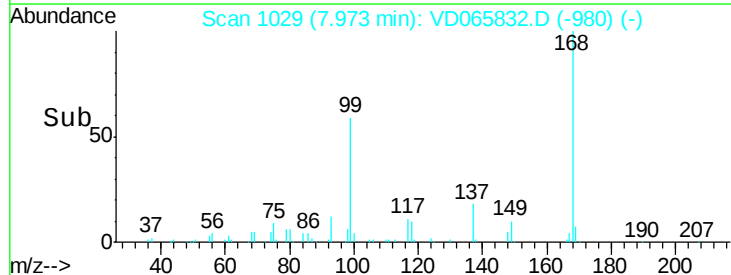
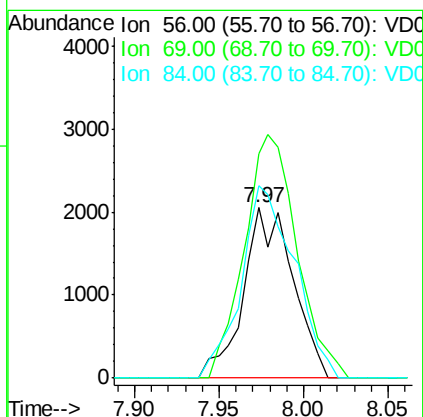
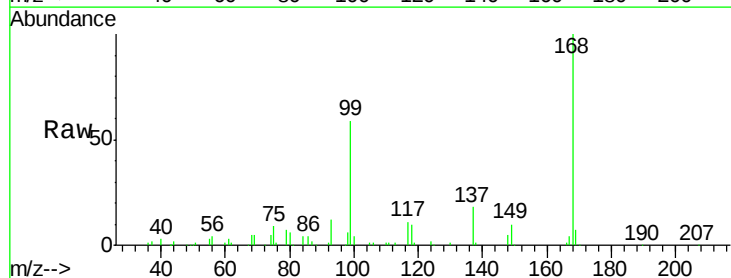
Instrument :
MSVOA_D
ClientSampleId :
RO-7

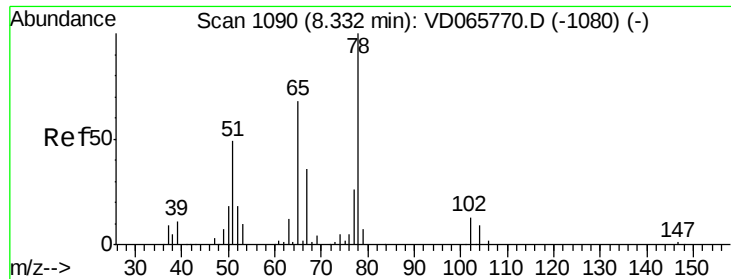
Tgt Ion: 84 Resp: 15374
Ion Ratio Lower Upper
84 100
49 124.0 103.4 155.0
51 43.1 31.4 47.2
86 53.3 51.7 77.5



#31
Cyclohexane
Concen: 1.566 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065832.D
Acq: 19 Jun 2020 16:53

Tgt Ion: 56 Resp: 4190
Ion Ratio Lower Upper
56 100
69 132.0 28.5 42.7#
84 112.9 68.4 102.6#

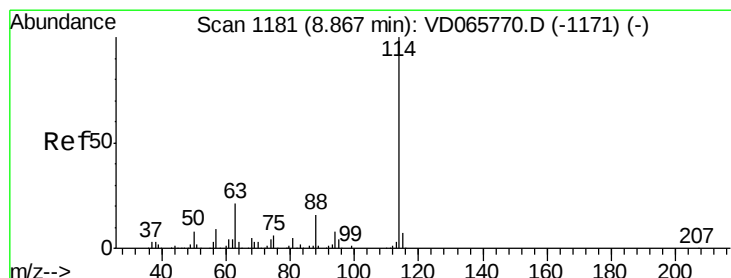
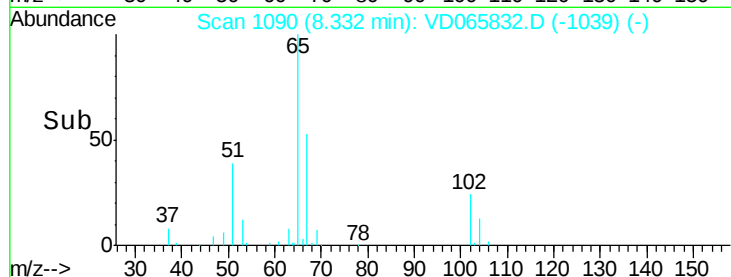
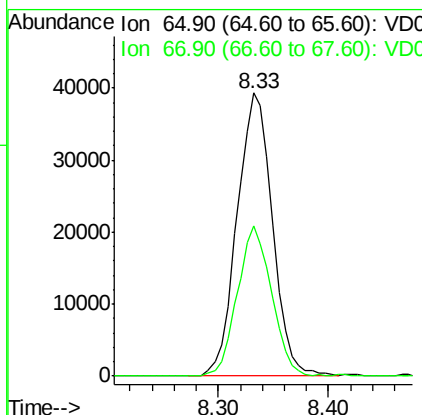
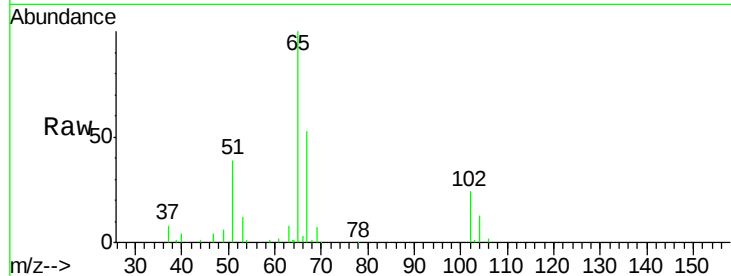




#33
 1,2-Dichloroethane-d4
 Concen: 59.381 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065832.D
 Acq: 19 Jun 2020 16:53

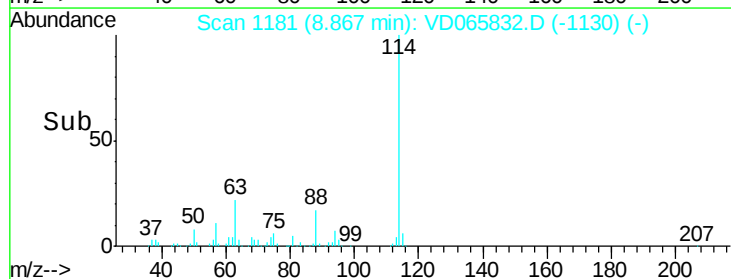
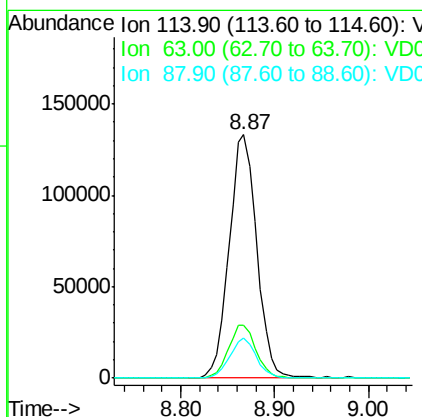
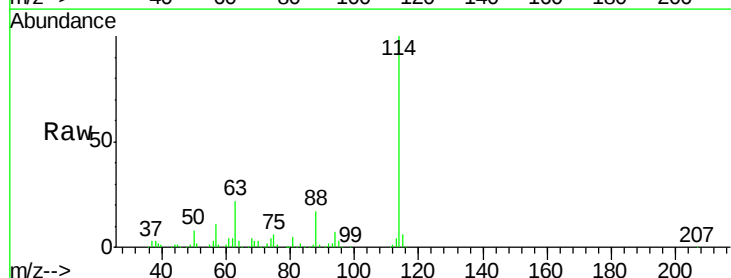
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-7

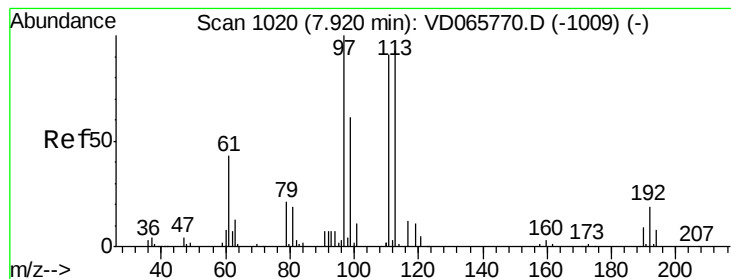
Tgt Ion: 65 Resp: 88604
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065832.D
 Acq: 19 Jun 2020 16:53

Tgt Ion: 114 Resp: 271626
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.8
 88 16.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.415 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065832.D

Acq: 19 Jun 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

RO-7

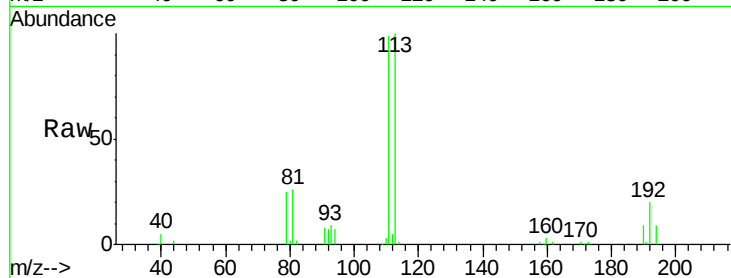
Tgt Ion:113 Resp: 84783

Ion Ratio Lower Upper

113 100

111 104.0 83.4 125.0

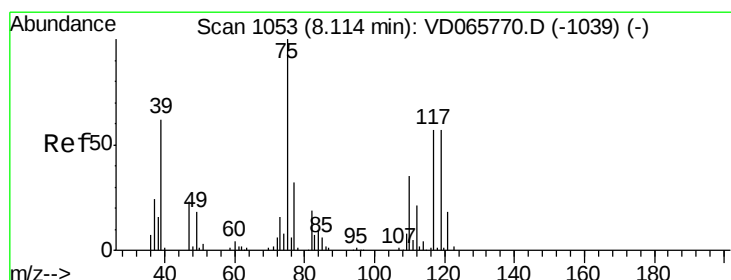
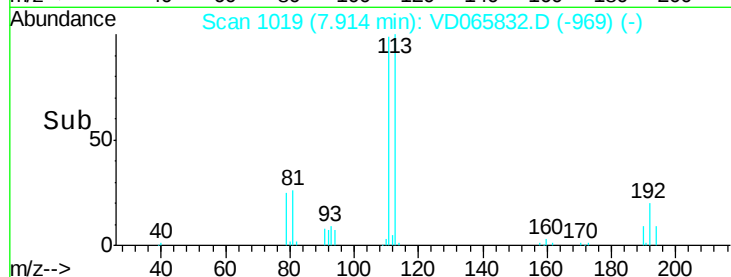
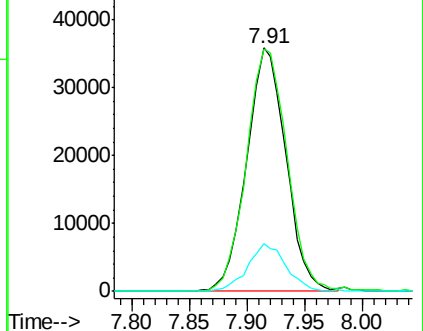
192 19.1 15.7 23.5



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



#36

1,1-Dichloropropene

Concen: 5.051 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065832.D

Acq: 19 Jun 2020 16:53

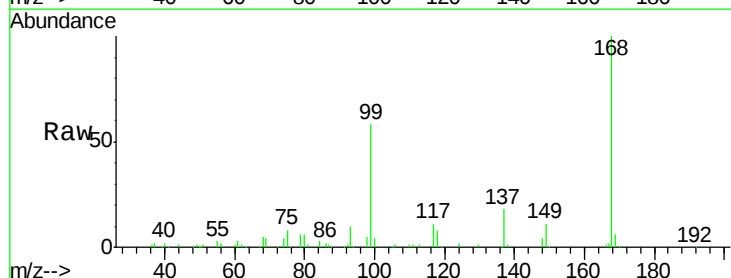
Tgt Ion: 75 Resp: 13142

Ion Ratio Lower Upper

75 100

110 8.8 17.6 52.8#

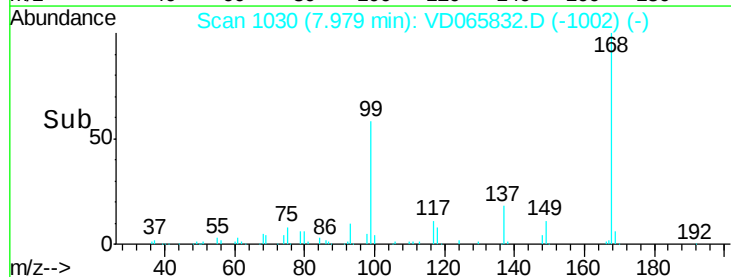
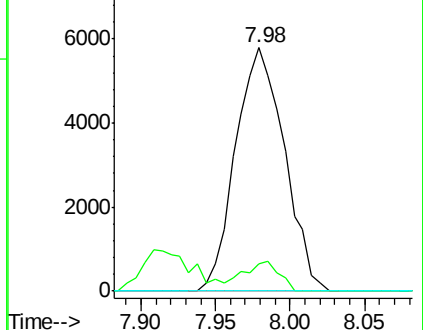
77 0.0 25.1 37.7#

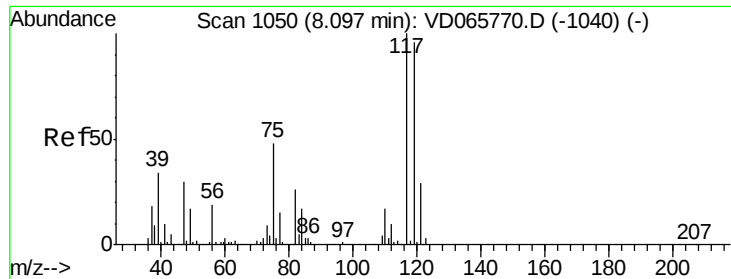


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

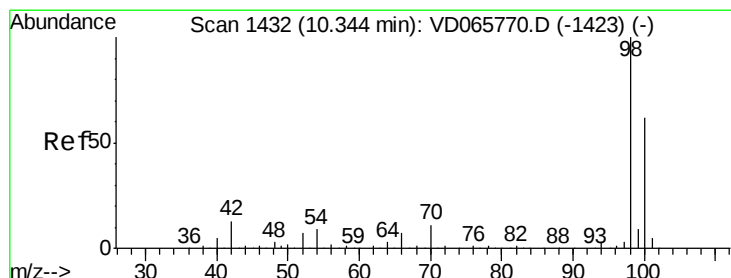
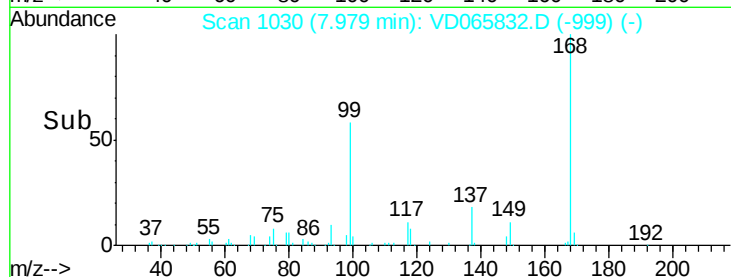
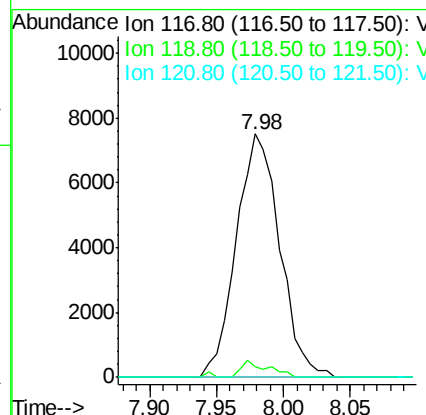
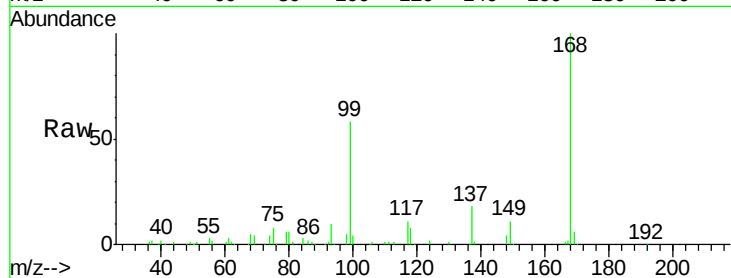




#38
Carbon Tetrachloride
Concen: 6.178 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065832.D
Acq: 19 Jun 2020 16:53

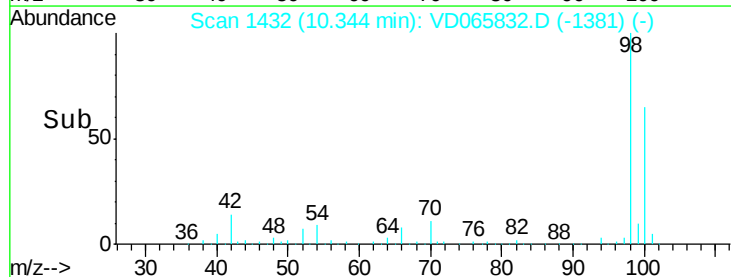
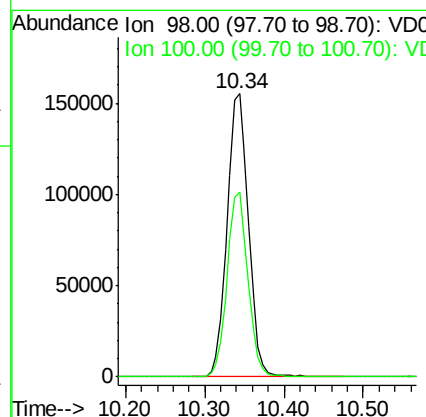
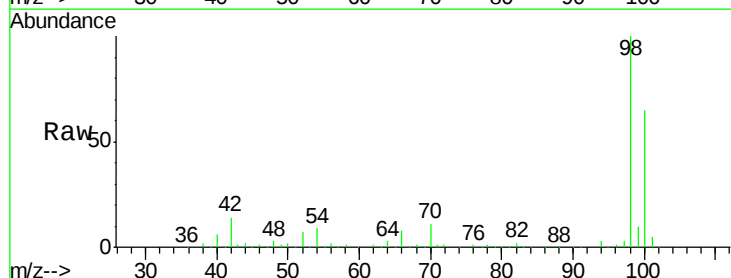
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ClientSampleId :
RO-7

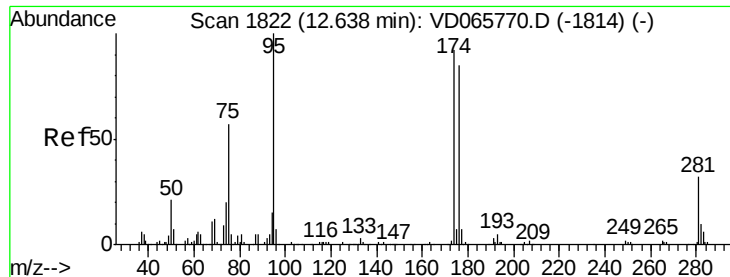
Tgt Ion:117 Resp: 16918
Ion Ratio Lower Upper
117 100
119 4.3 76.8 115.2#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 45.319 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065832.D
Acq: 19 Jun 2020 16:53

Tgt Ion: 98 Resp: 289942
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.2

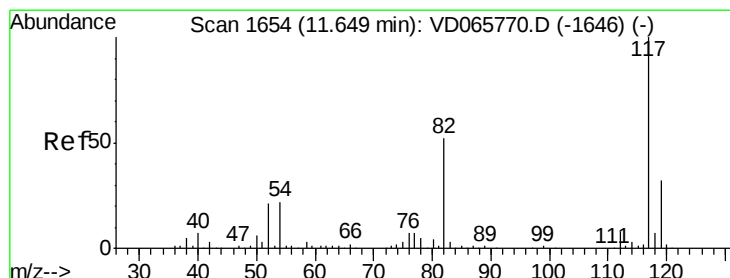
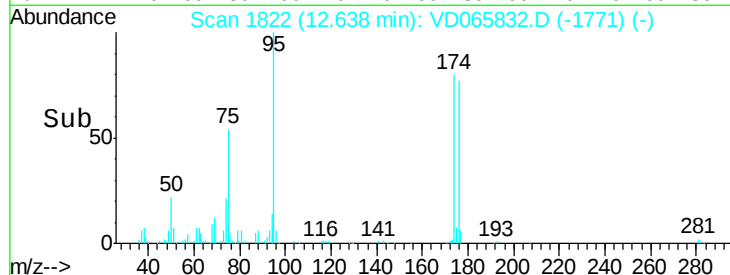
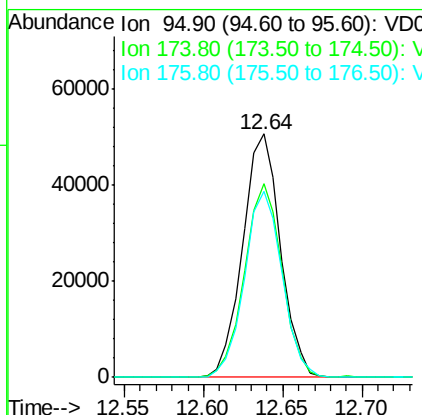
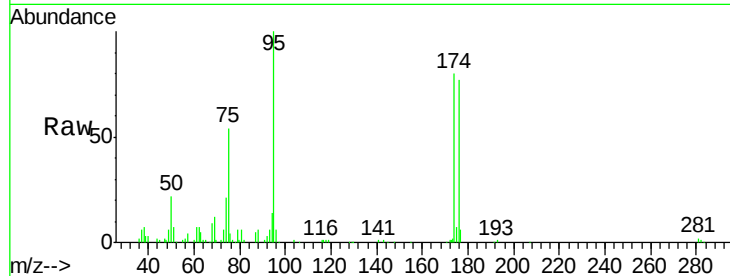




#62
4-Bromofluorobenzene
Concen: 38.566 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065832.D
Acq: 19 Jun 2020 16:53

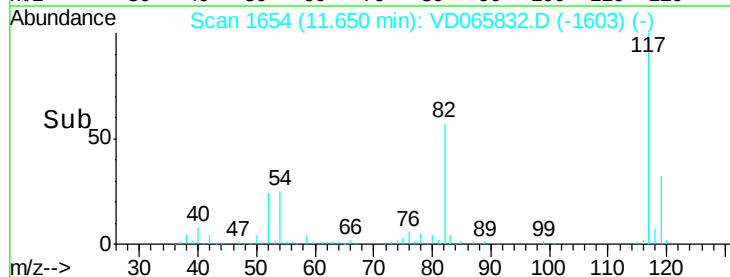
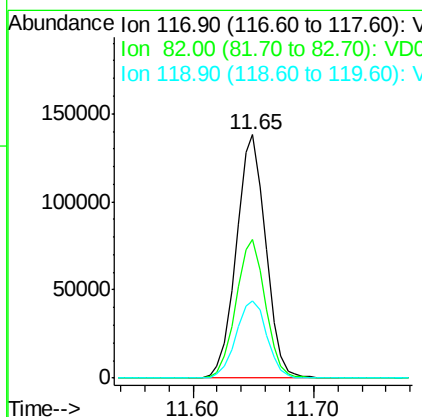
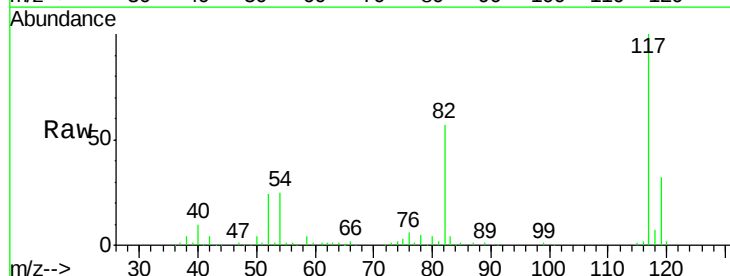
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RO-7

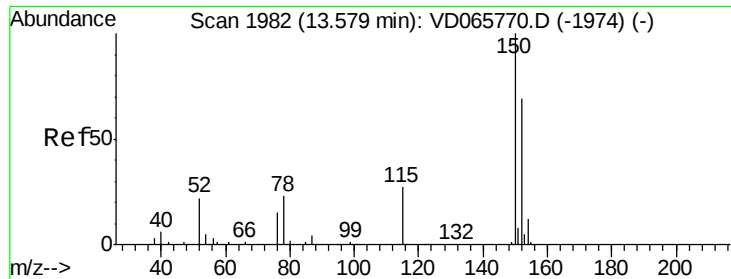
Tgt Ion: 95 Resp: 83677
Ion Ratio Lower Upper
95 100
174 79.2 0.0 175.2
176 76.1 0.0 163.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065832.D
Acq: 19 Jun 2020 16:53

Tgt Ion: 117 Resp: 234930
Ion Ratio Lower Upper
117 100
82 57.0 41.9 62.9
119 31.7 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: VD065832.D

Acq: 19 Jun 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

RO-7

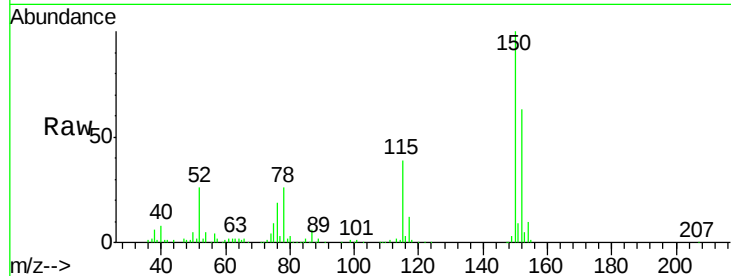
Tgt Ion:152 Resp: 89995

Ion Ratio Lower Upper

152 100

115 59.3 28.7 86.1

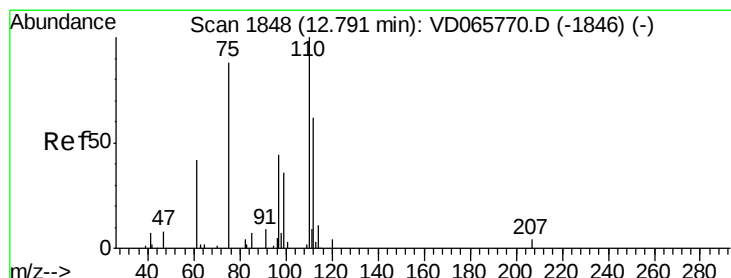
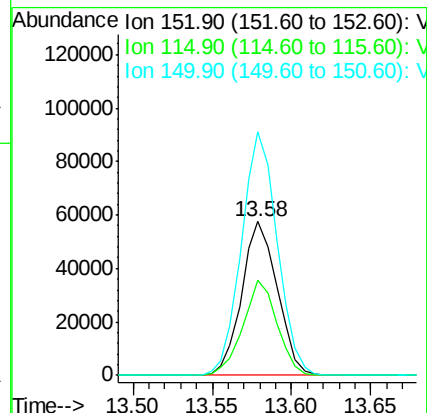
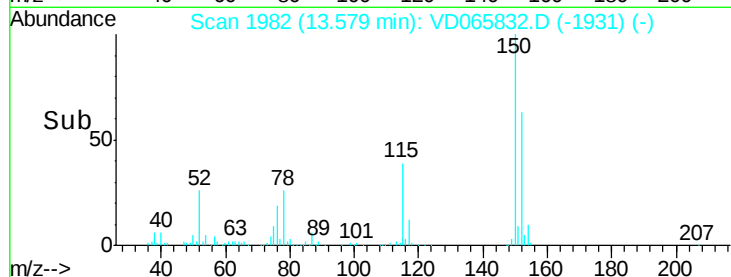
150 158.1 0.0 348.0



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: 66.133 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065832.D

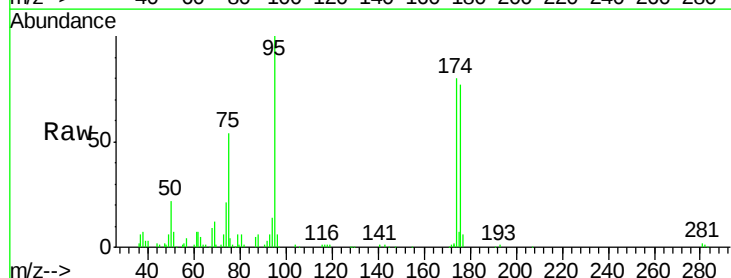
Acq: 19 Jun 2020 16:53

Tgt Ion: 75 Resp: 46287

Ion Ratio Lower Upper

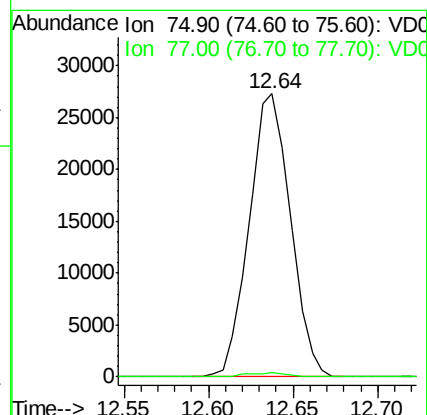
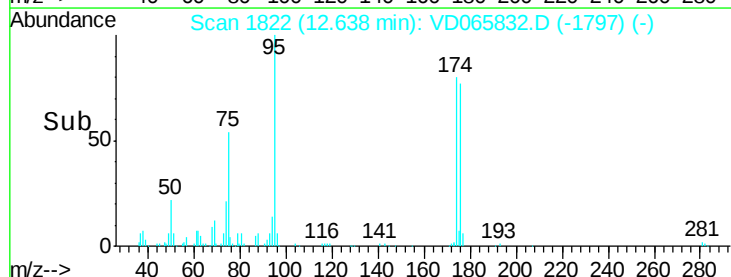
75 100

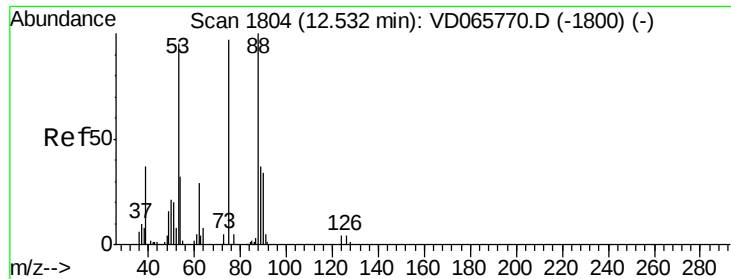
77 1.4 0.0 0.0#



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: 142.889 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065832.D

Acq: 19 Jun 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

RO-7

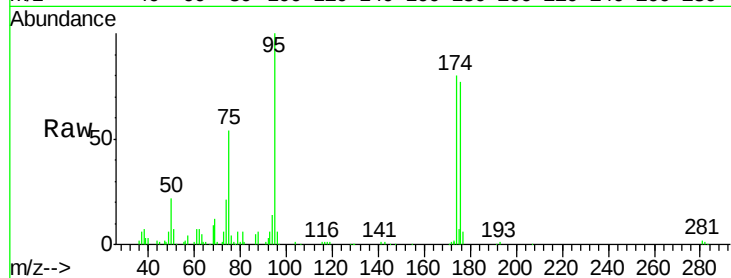
Tgt Ion: 75 Resp: 46287

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

