

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065816.D
 Acq On : 18 Jun 2020 18:48
 Operator : VA/SY
 Sample : L3024-16
 Misc : 7.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-6

Quant Time: Jun 19 01:03:53 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	143945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	251245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	216318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	86748	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	76298	53.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.28%	
35) Dibromofluoromethane	7.92	113	76114	47.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.92%	
50) Toluene-d8	10.34	98	277261	46.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	12.64	95	77245	38.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	76.98%	

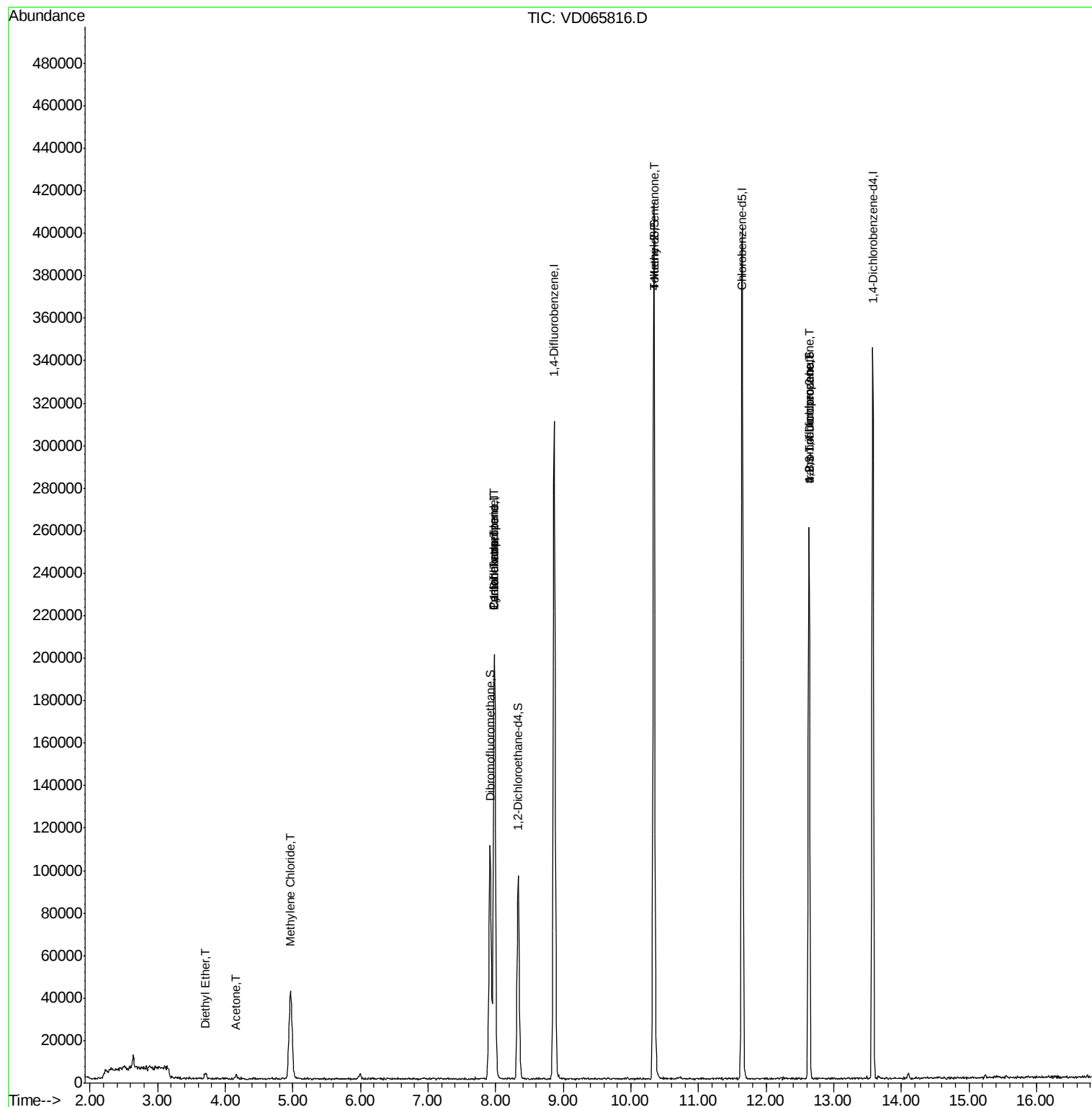
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	207	Below Cal	#	43
8) Diethyl Ether	3.71	74	1355	2.142	ug/l	77
16) Acetone	4.16	43	2865	10.678	ug/l	99
18) Methyl Acetate	4.75	43	59	Below Cal	#	52
20) Methylene Chloride	4.96	84	31527	19.403	ug/l	98
31) Cyclohexane	7.98	56	4033	1.581	ug/l #	5
36) 1,1-Dichloropropene	7.98	75	12911	5.364	ug/l #	50
38) Carbon Tetrachloride	7.98	117	15924	6.287	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1813	1.963	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	42968	63.689	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	42968	137.608	ug/l #	9

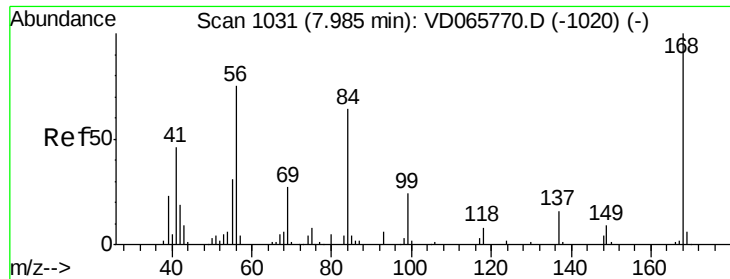
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065816.D

Acq: 18 Jun 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

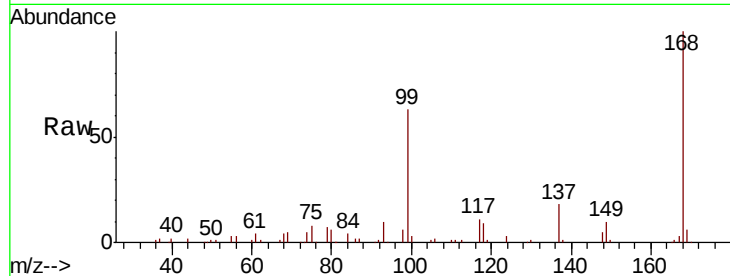
RO-6

Tot Ion:168 Resp: 143945

Ion Ratio Lower Upper

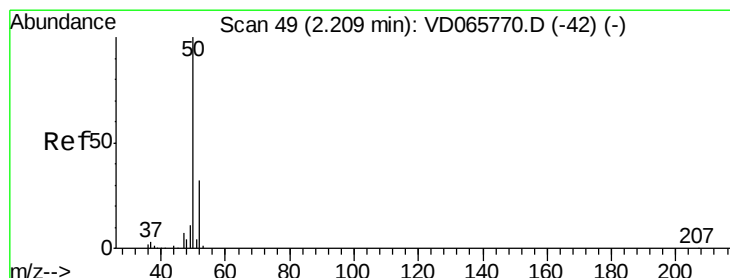
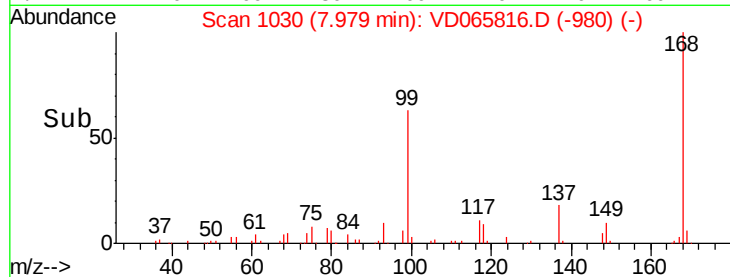
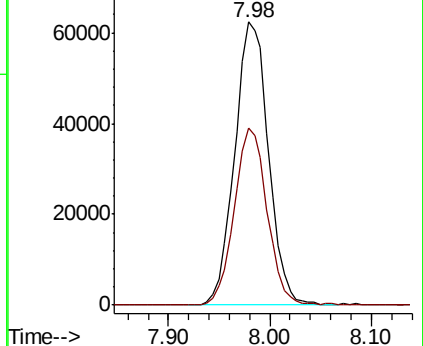
168 100

99 62.8 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065816.D

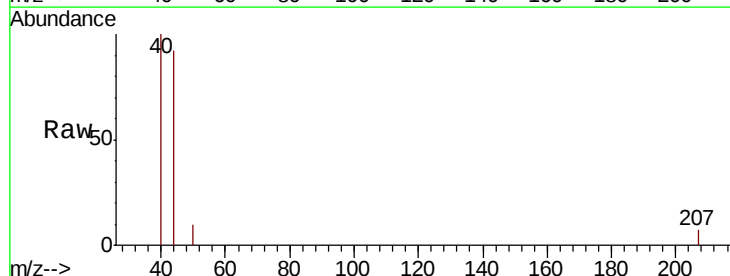
Acq: 18 Jun 2020 18:48

Tgt Ion: 50 Resp: 207

Ion Ratio Lower Upper

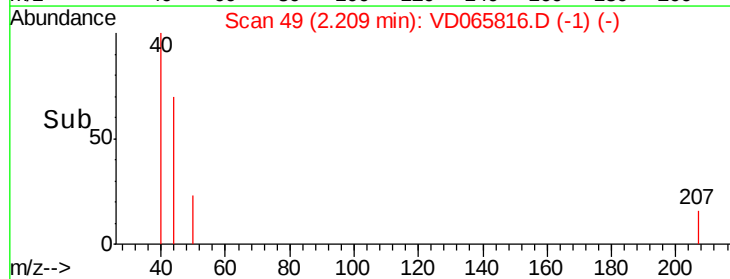
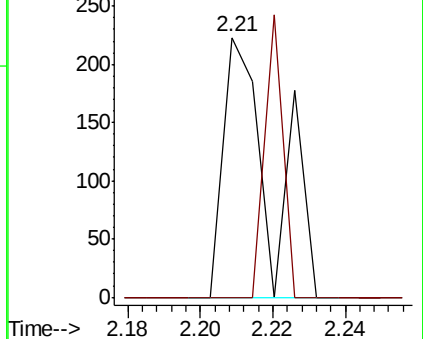
50 100

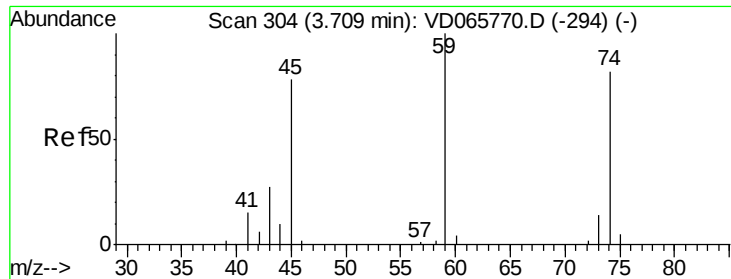
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#8

Diethyl Ether

Concen: 2.142 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD065816.D

Acq: 18 Jun 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

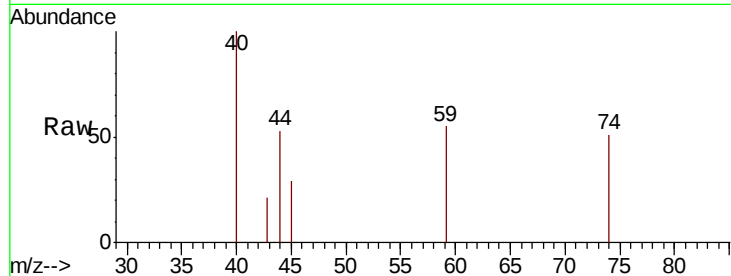
RO-6

Tot Ion: 74 Resp: 1355

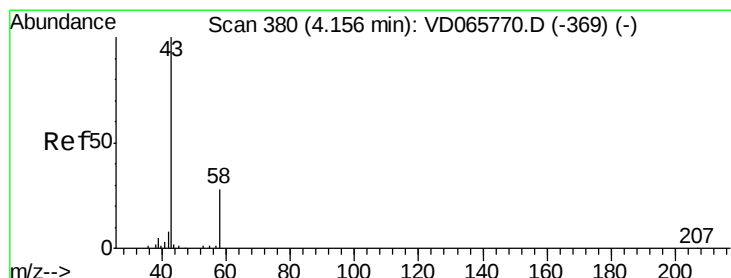
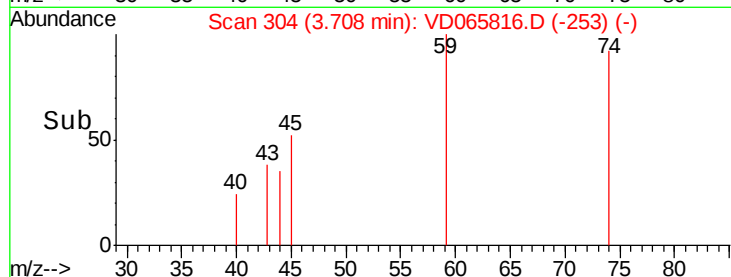
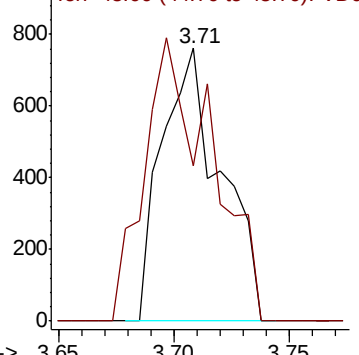
Ion Ratio Lower Upper

74 100

45 117.9 47.9 143.8



Abundance Ion 74.00 (73.70 to 74.70): VDC



#16

Acetone

Concen: 10.678 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065816.D

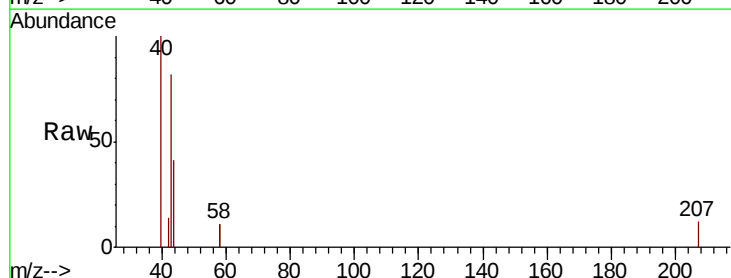
Acq: 18 Jun 2020 18:48

Tgt Ion: 43 Resp: 2865

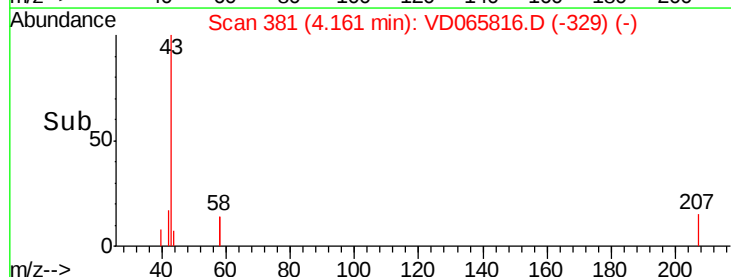
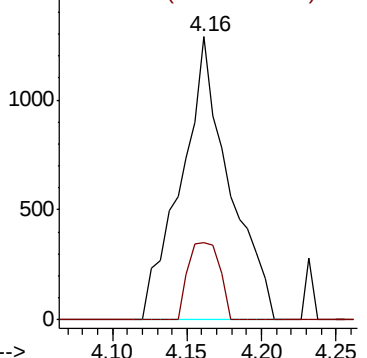
Ion Ratio Lower Upper

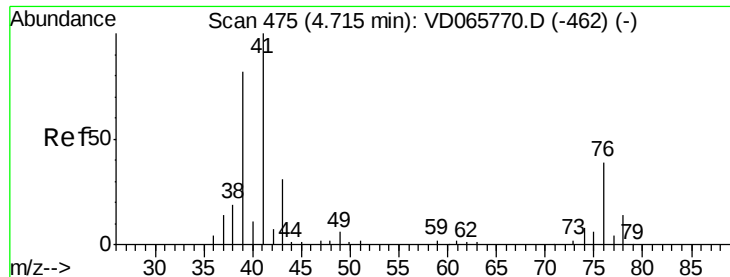
43 100

58 27.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

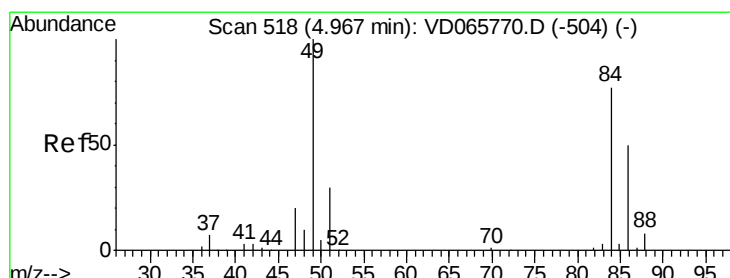
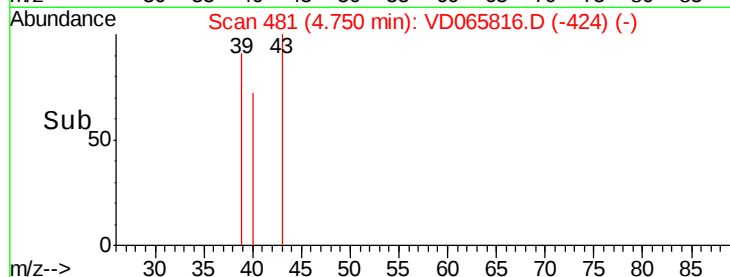
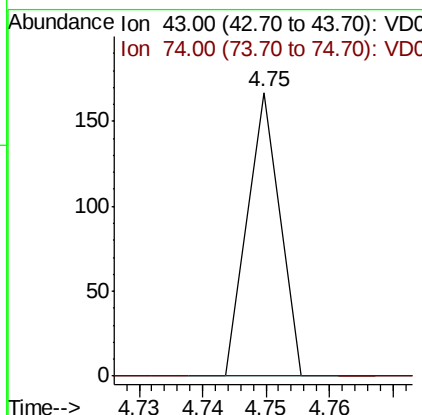
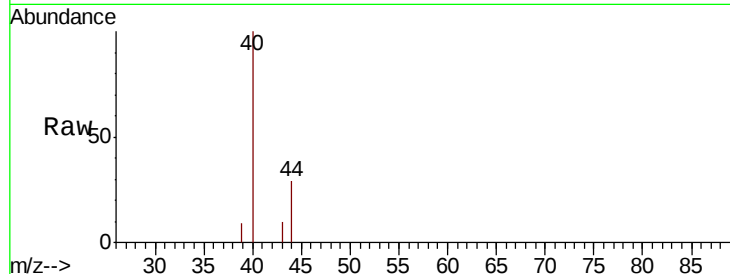




#18
Methyl Acetate
Concen: Below Cal
RT: 4.75 min Scan# 481
Delta R.T. 0.04 min
Lab File: VD065816.D
Acq: 18 Jun 2020 18:48

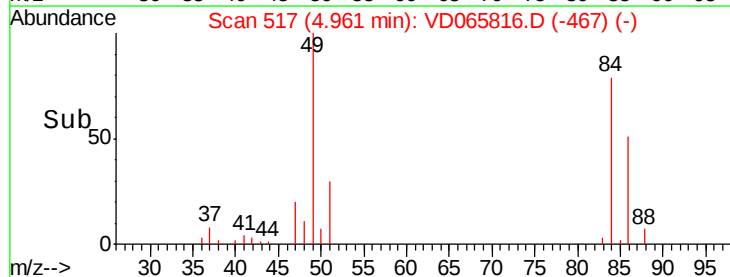
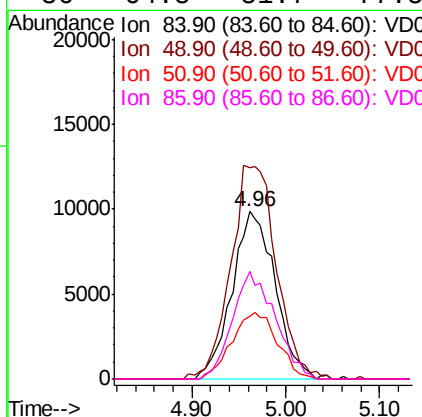
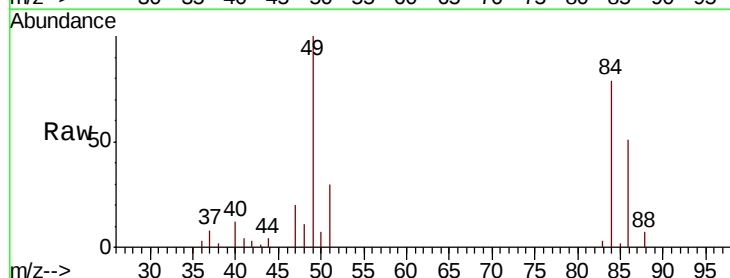
Instrument :
MSVOA_D
ClientSampleId :
RO-6

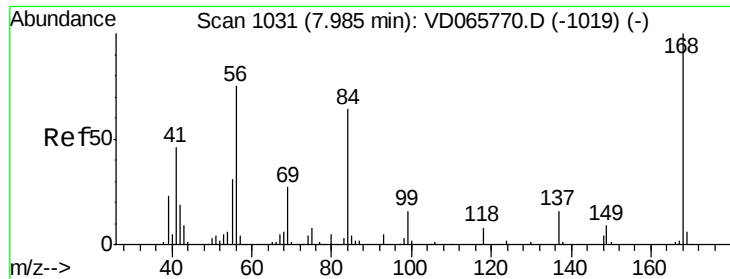
Tot Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#20
Methylene Chloride
Concen: 19.403 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065816.D
Acq: 18 Jun 2020 18:48

Tgt Ion: 84 Resp: 31527
Ion Ratio Lower Upper
84 100
49 126.0 103.4 155.0
51 37.4 31.4 47.2
86 64.5 51.7 77.5

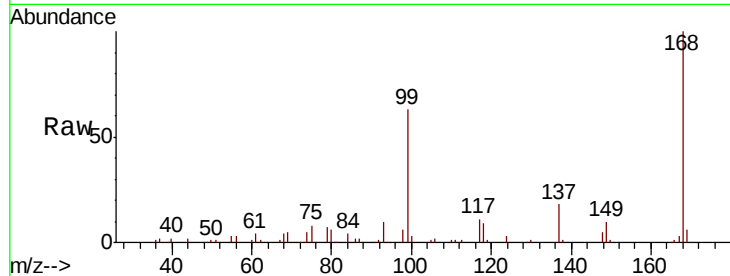




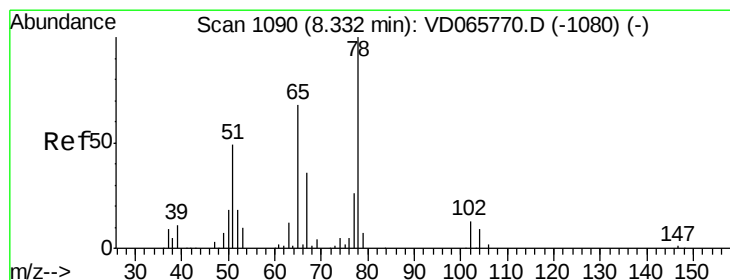
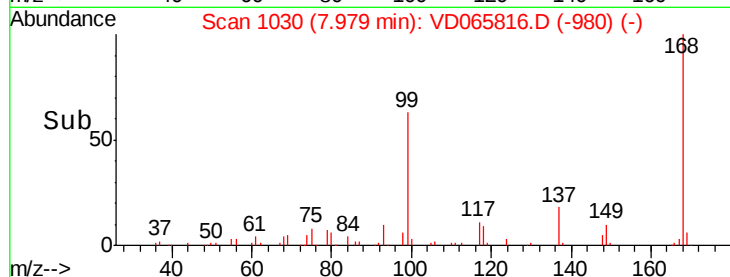
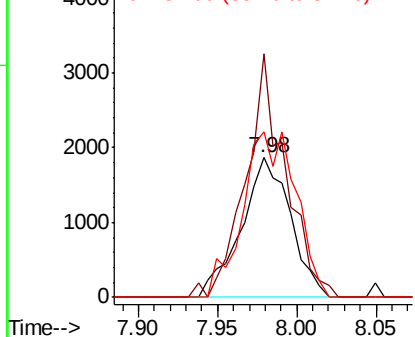
#31
Cyclohexane
Concen: 1.581 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065816.D
Acq: 18 Jun 2020 18:48

Instrument :
MSVOA_D
ClientSampled :
RO-6

Tot Ion: 56 Resp: 4033
Ion Ratio Lower Upper
56 100
69 174.6 28.5 42.7#
84 118.4 68.4 102.6#

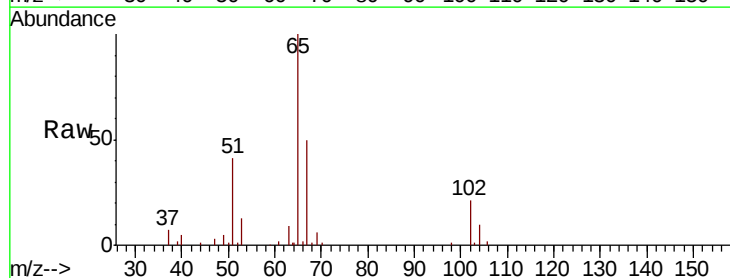


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

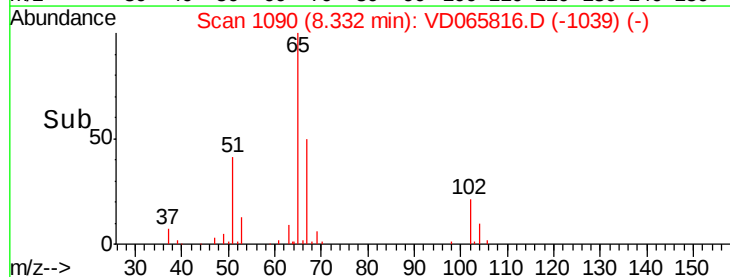
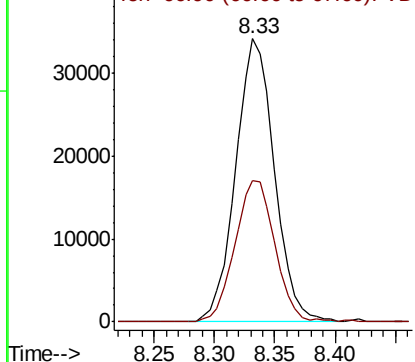


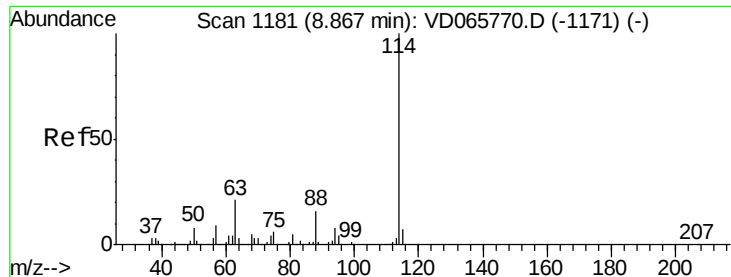
#33
1,2-Dichloroethane-d4
Concen: 53.642 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065816.D
Acq: 18 Jun 2020 18:48

Tgt Ion: 65 Resp: 76298
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

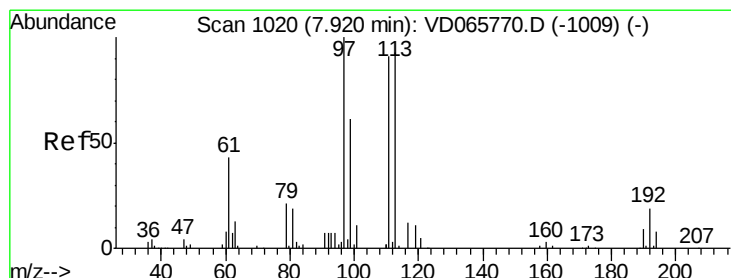
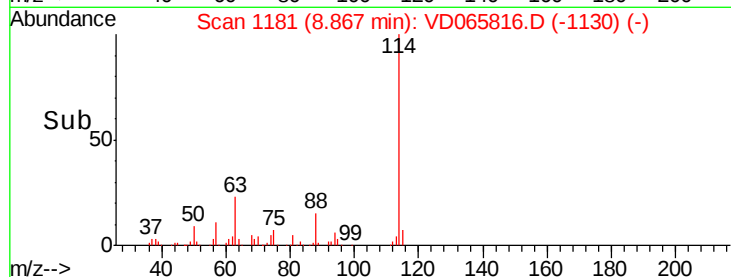
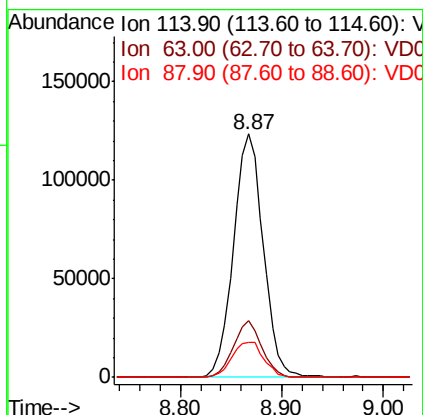
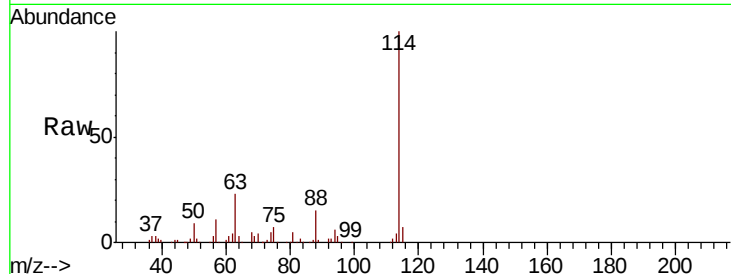




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065816.D
 Acq: 18 Jun 2020 18:48

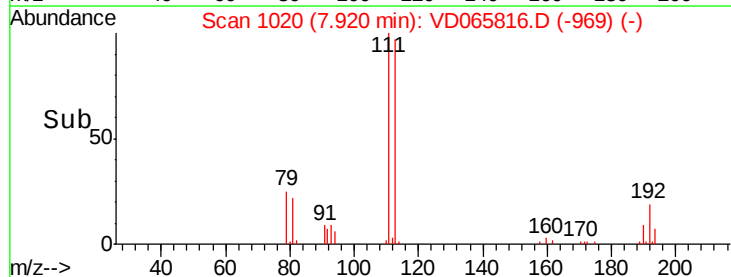
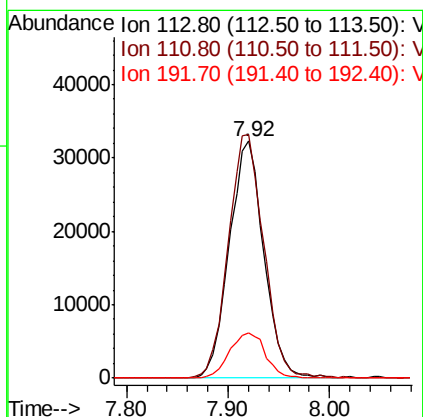
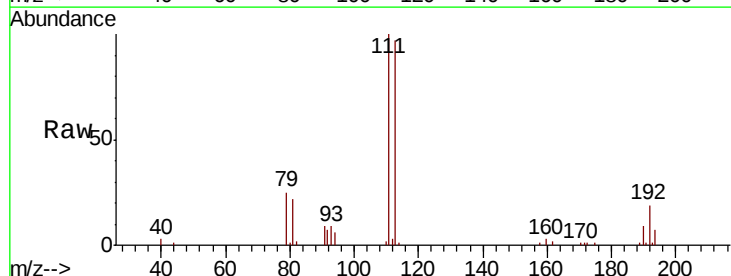
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-6

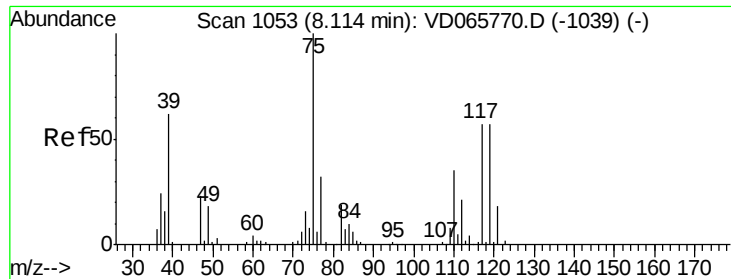
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	41.8
88	14.5	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 47.961 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065816.D
 Acq: 18 Jun 2020 18:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.7	83.4	125.0
192	19.7	15.7	23.5

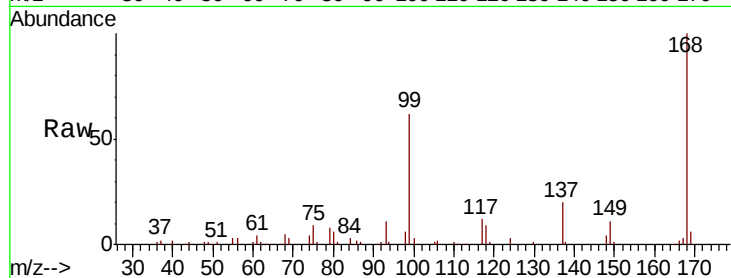




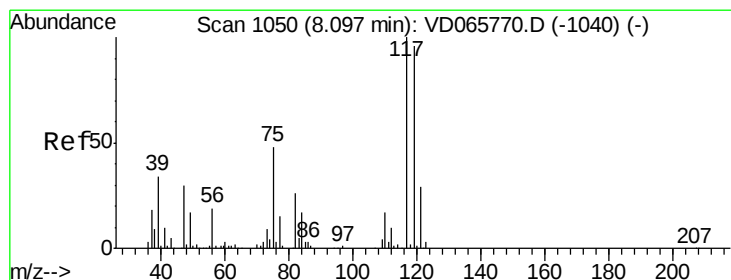
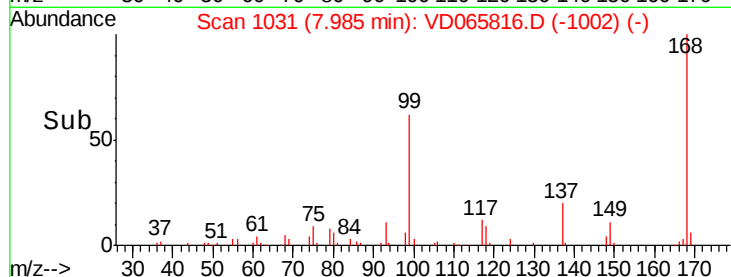
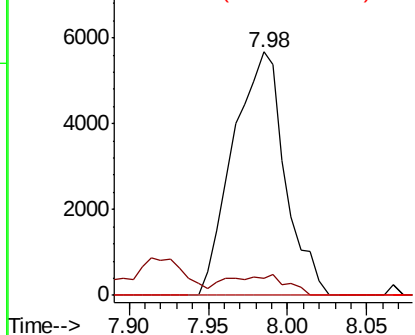
#36
 1,1-Dichloropropene
 Concen: 5.364 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065816.D
 Acq: 18 Jun 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-6

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

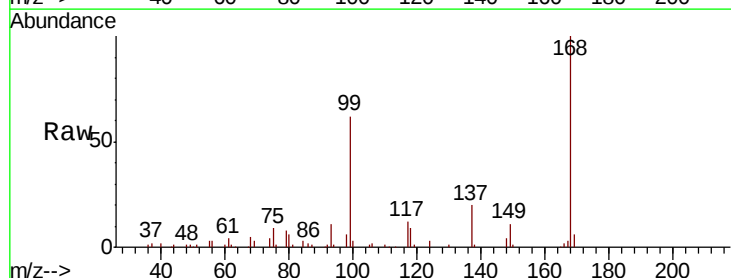


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

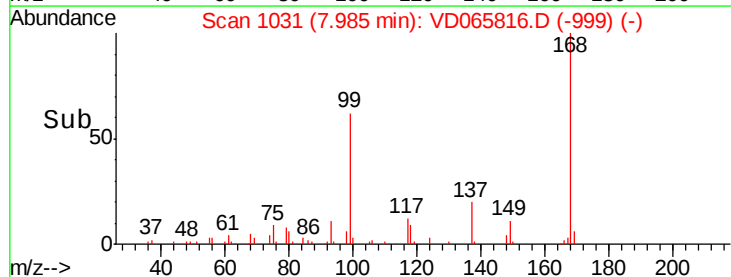
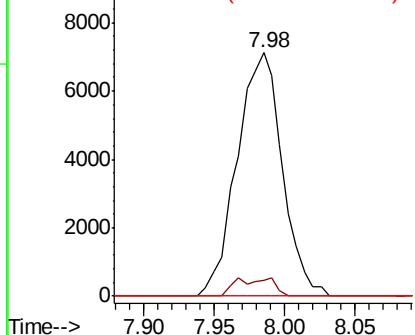


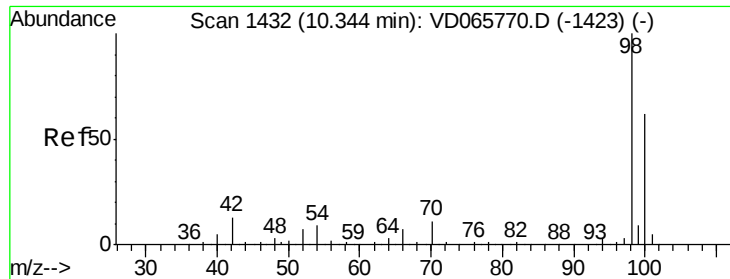
#38
 Carbon Tetrachloride
 Concen: 6.287 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065816.D
 Acq: 18 Jun 2020 18:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	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: 46.852 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065816.D

Acq: 18 Jun 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

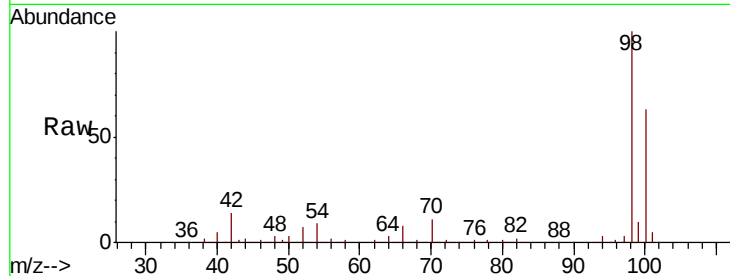
RO-6

Tot Ion: 98 Resp: 277261

Ion Ratio Lower Upper

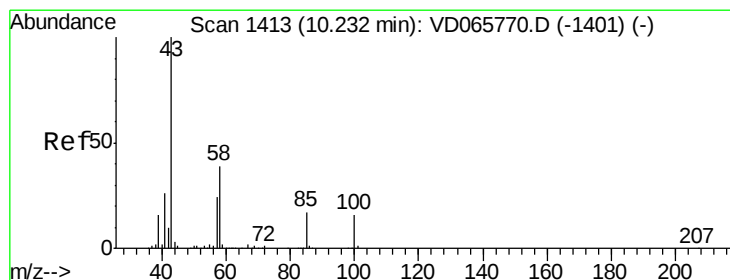
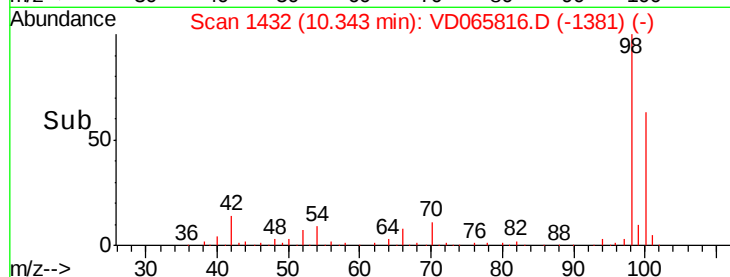
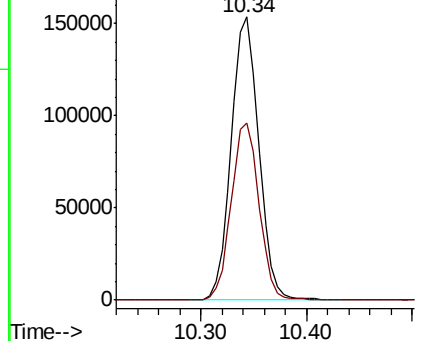
98 100

100 63.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.963 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD065816.D

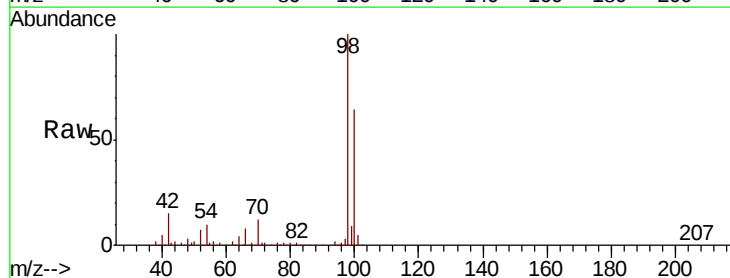
Acq: 18 Jun 2020 18:48

Tgt Ion: 43 Resp: 1813

Ion Ratio Lower Upper

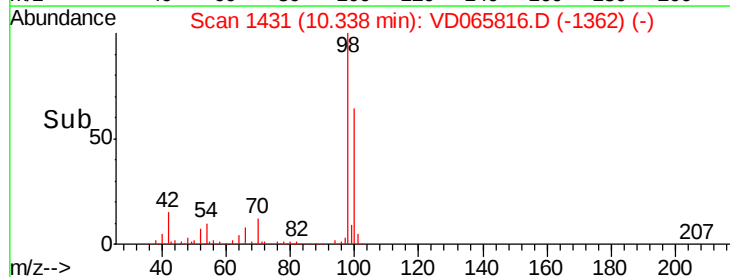
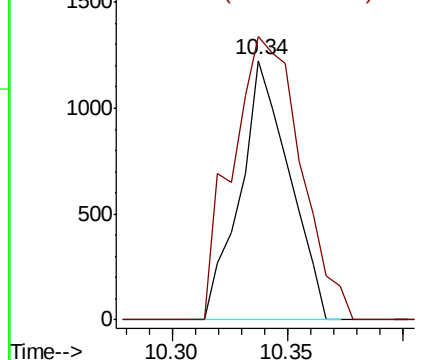
43 100

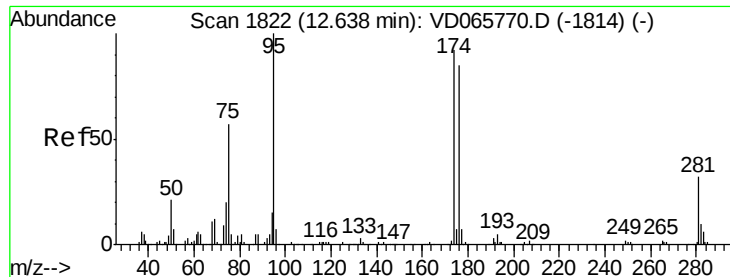
58 152.2 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

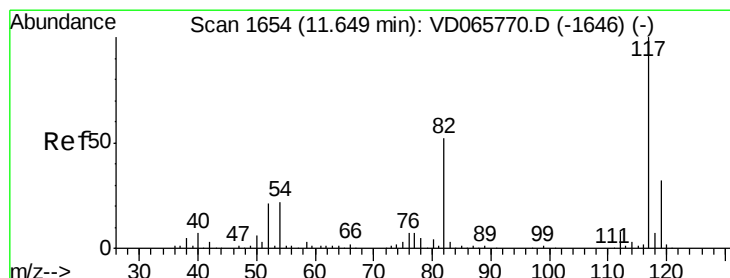
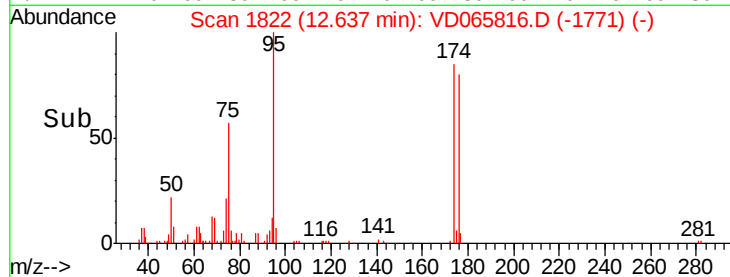
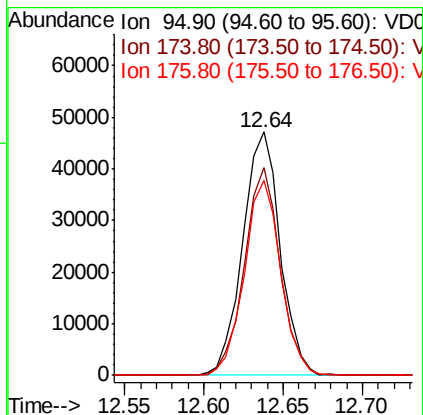
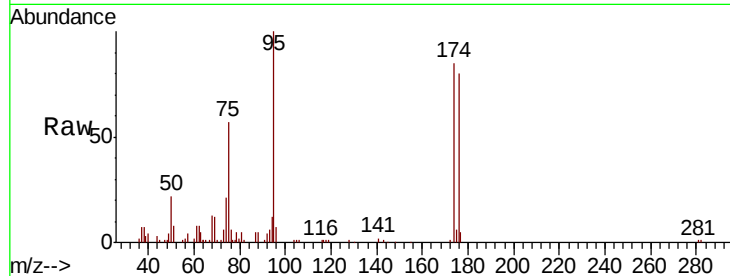




#62
4-Bromofluorobenzene
Concen: 38.489 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065816.D
Acq: 18 Jun 2020 18:48

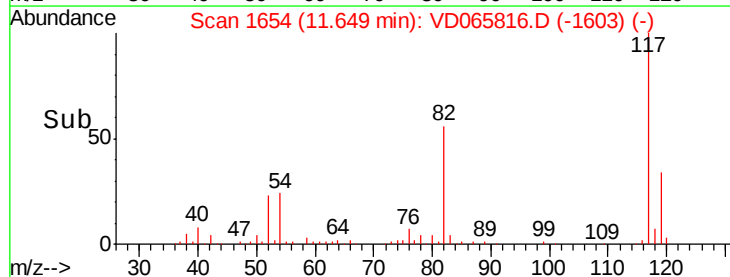
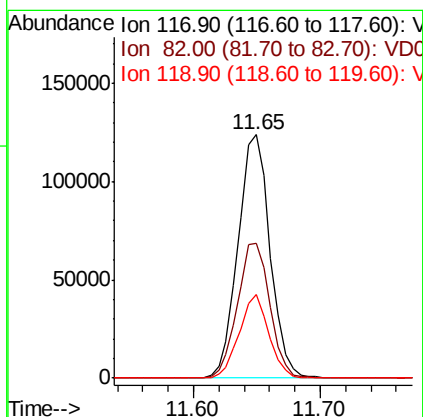
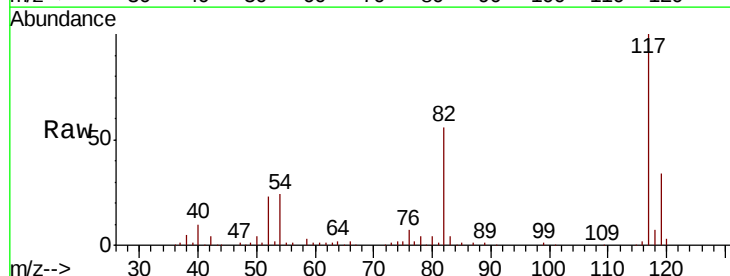
Instrument :
MSVOA_D
ClientSampleId :
RO-6

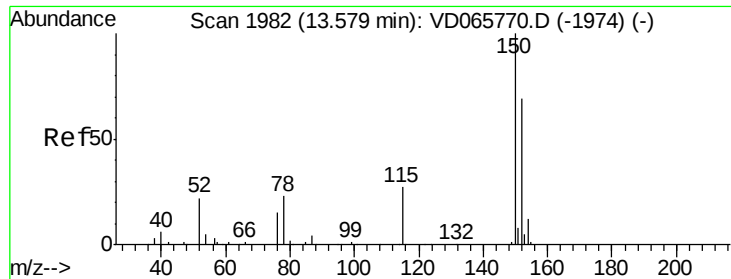
Tot Ion: 95 Resp: 77245
Ion Ratio Lower Upper
95 100
174 81.4 0.0 175.2
176 77.7 0.0 163.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065816.D
Acq: 18 Jun 2020 18:48

Tgt Ion: 117 Resp: 216318
Ion Ratio Lower Upper
117 100
82 55.6 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# 1982

Delta R.T. -0.00 min

Lab File: VD065816.D

Acq: 18 Jun 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

RO-6

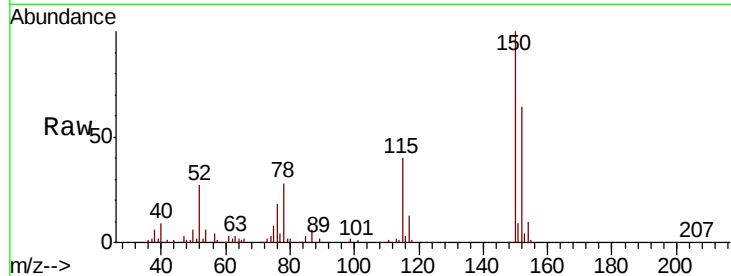
Tot Ion:152 Resp: 86748

Ion Ratio Lower Upper

152 100

115 60.0 28.7 86.1

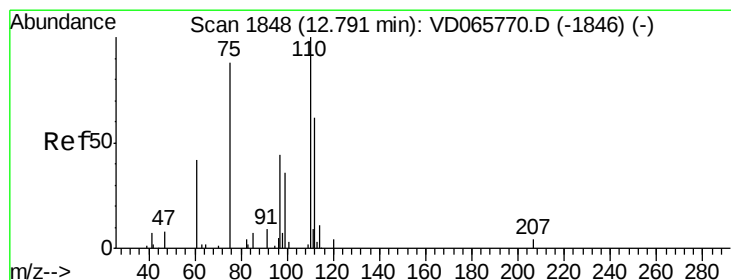
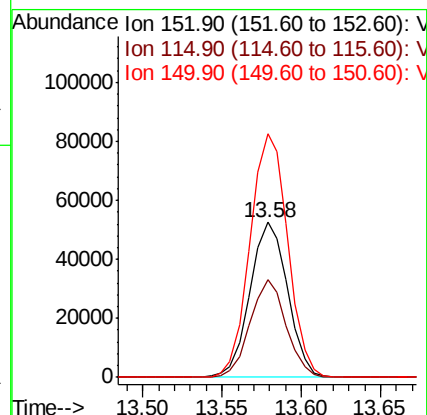
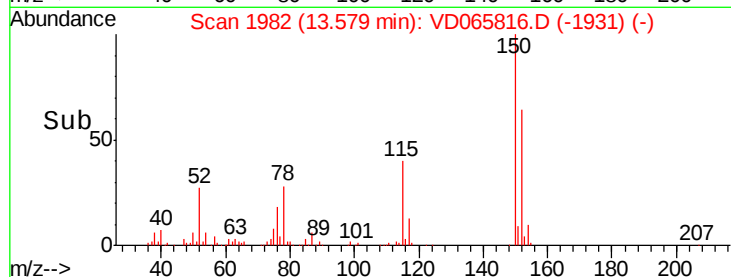
150 157.3 0.0 348.0



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: 63.689 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065816.D

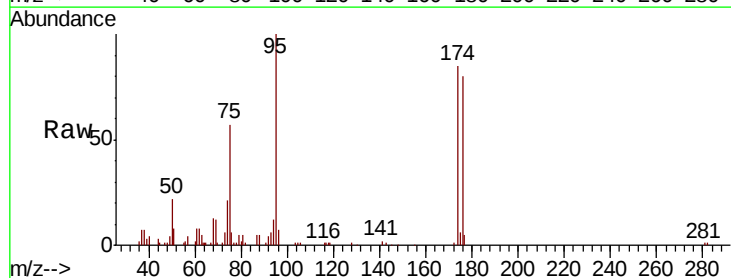
Acq: 18 Jun 2020 18:48

Tgt Ion: 75 Resp: 42968

Ion Ratio Lower Upper

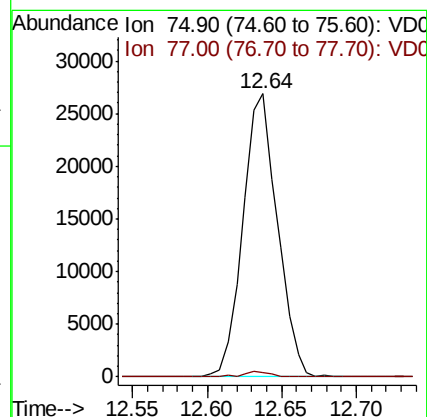
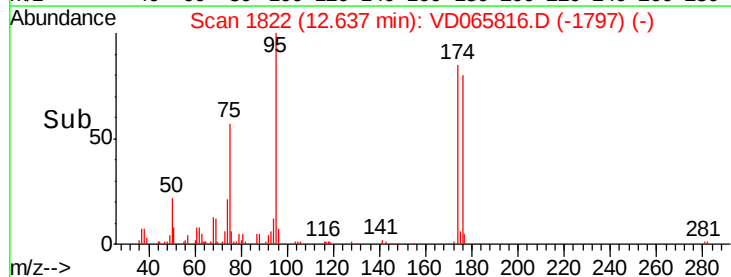
75 100

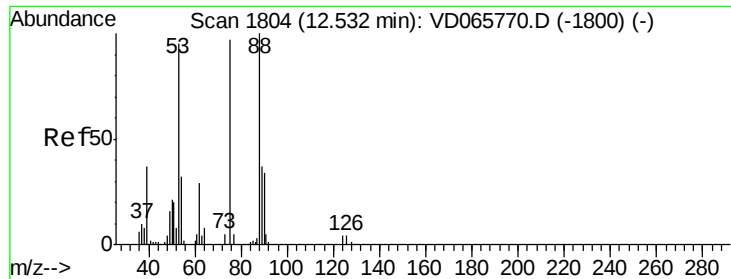
77 1.4 0.0 0.0#



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: 137.608 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065816.D

Acq: 18 Jun 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

RO-6

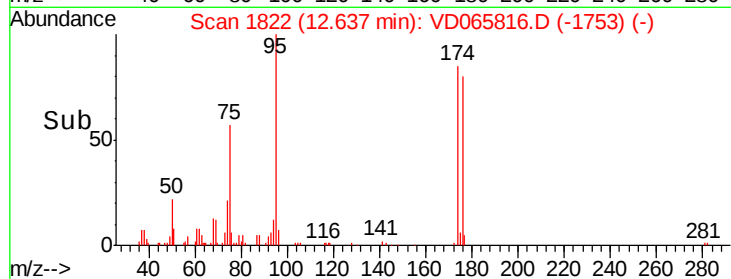
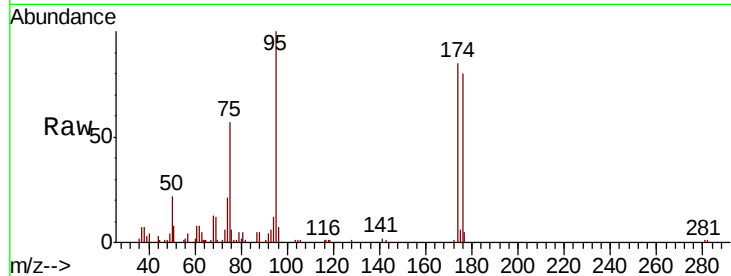
Tot Ion: 75 Resp: 42968

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

