

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065814.D
 Acq On : 18 Jun 2020 17:55
 Operator : VA/SY
 Sample : L3024-10
 Misc : 6.59G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-7

Quant Time: Jun 19 01:03:31 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	145634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	251316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	218516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	87674	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	86824	60.33	ug/l	0.00
Spiked Amount			Recovery	=	120.66%	
35) Dibromofluoromethane	7.92	113	82264	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	10.34	98	293693	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.64	95	83235	41.46	ug/l	0.00
Spiked Amount			Recovery	=	82.92%	

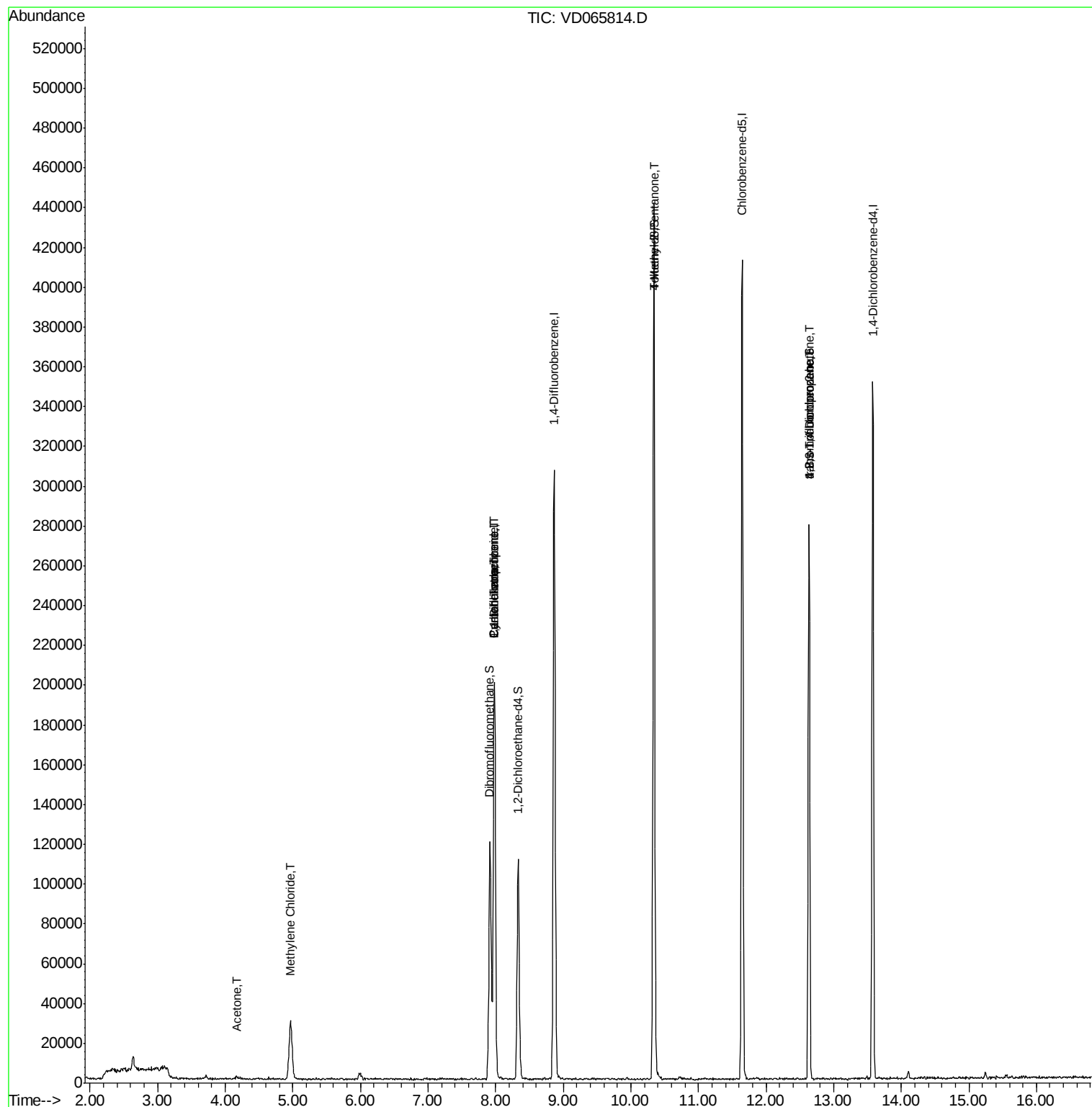
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	55	Below Cal	#	42
3) Chloromethane	2.20	50	195	Below Cal	#	43
16) Acetone	4.17	43	1984	7.309	ug/l #	18
18) Methyl Acetate	4.71	43	82	Below Cal	#	52
20) Methylene Chloride	4.97	84	21858	11.759	ug/l	87
31) Cyclohexane	7.98	56	3641	1.411	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	13476	5.598	ug/l #	46
38) Carbon Tetrachloride	7.98	117	15257	6.022	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1469	1.590	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	48371	70.940	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	48371	153.276	ug/l #	9

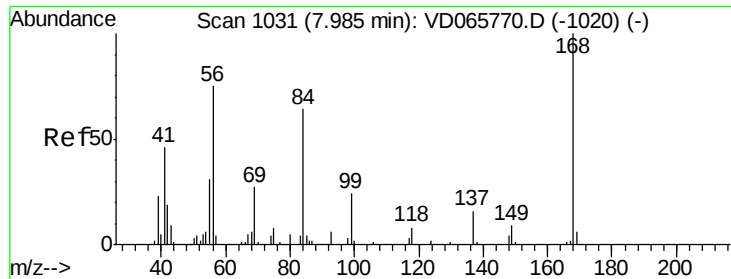
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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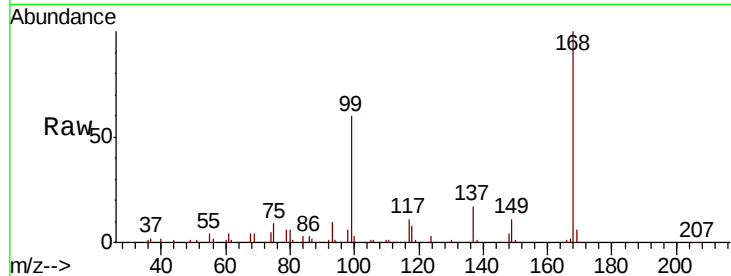




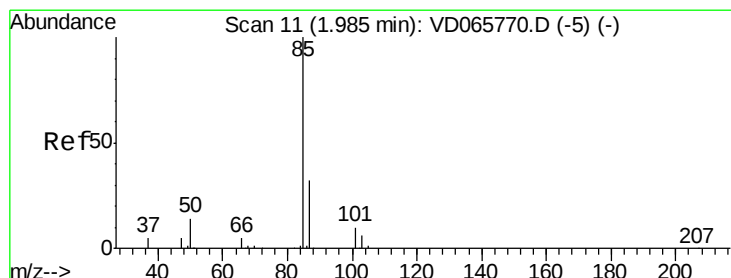
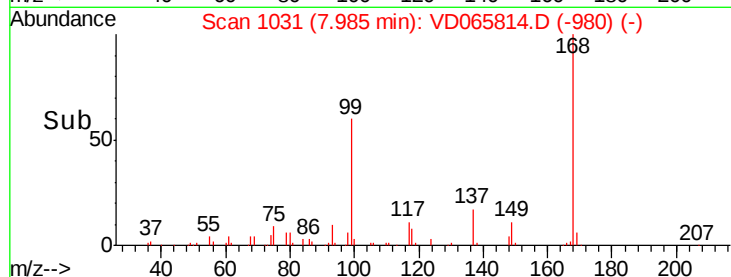
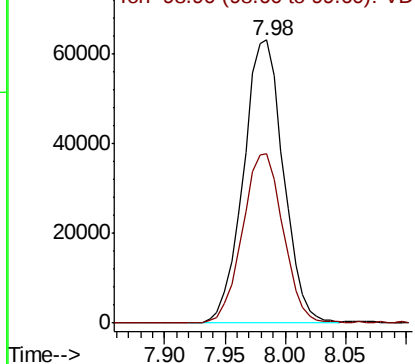
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065814.D
Acq: 18 Jun 2020 17:55

Instrument :
MSVOA_D
ClientSampleId :
RO-7

Tot Ion:168 Resp: 145634
Ion Ratio Lower Upper
168 100
99 60.1 45.3 67.9

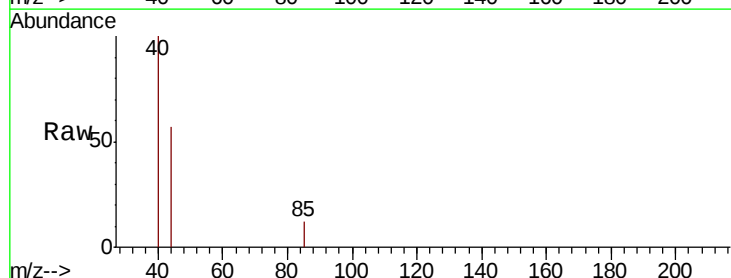


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

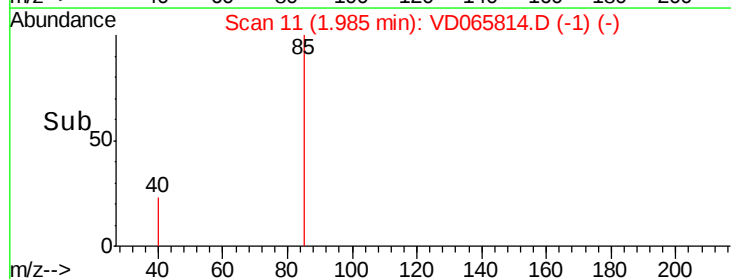
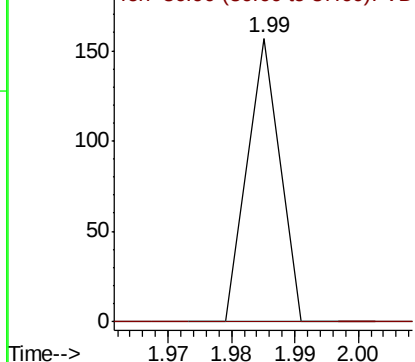


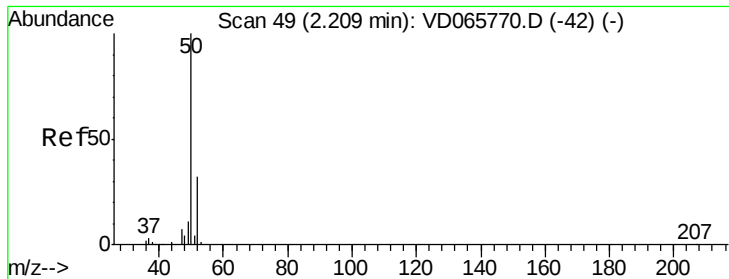
#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.99 min Scan# 11
Delta R.T. 0.00 min
Lab File: VD065814.D
Acq: 18 Jun 2020 17:55

Tgt Ion: 85 Resp: 55
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: VD065814.D

Acq: 18 Jun 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

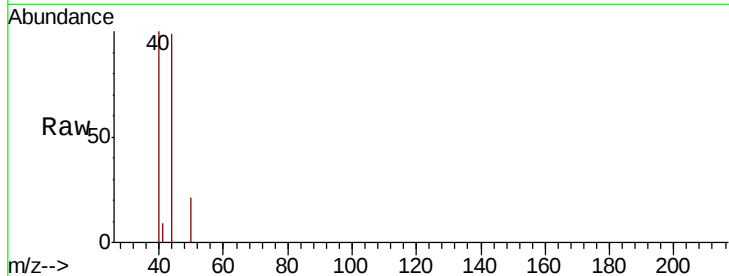
RO-7

Tot Ion: 50 Resp: 195

Ion Ratio Lower Upper

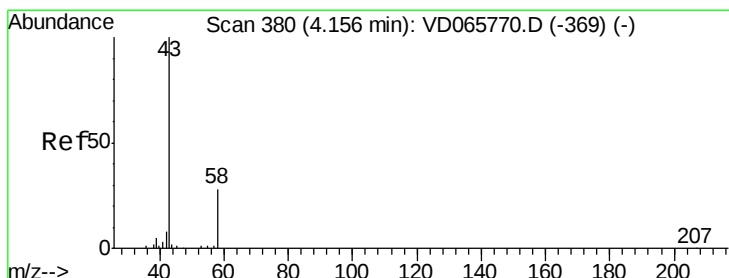
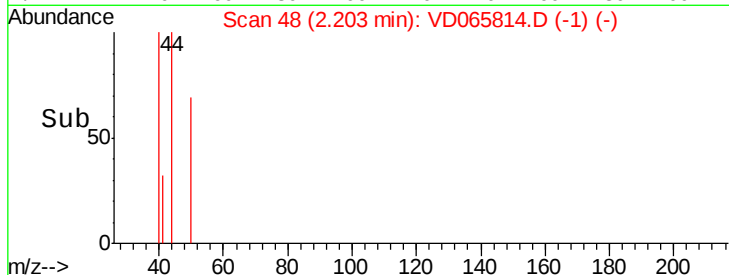
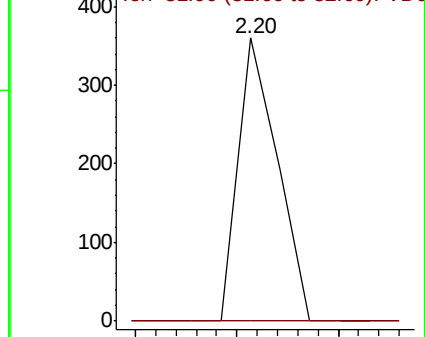
50 100

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



#16

Acetone

Concen: 7.309 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065814.D

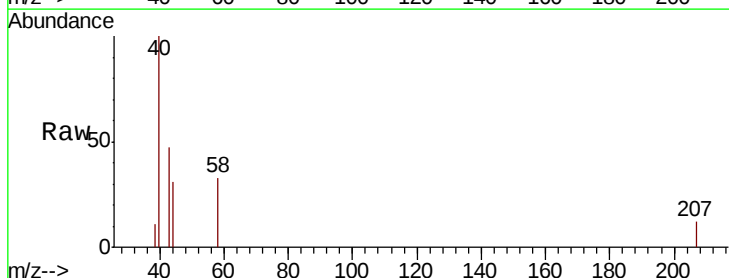
Acq: 18 Jun 2020 17:55

Tgt Ion: 43 Resp: 1984

Ion Ratio Lower Upper

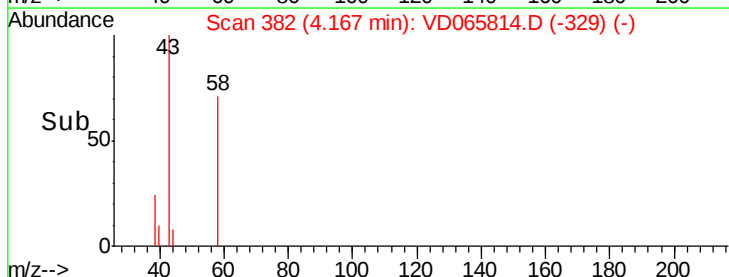
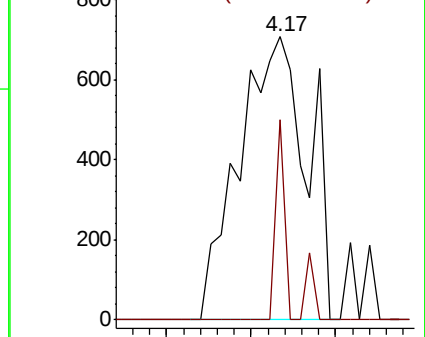
43 100

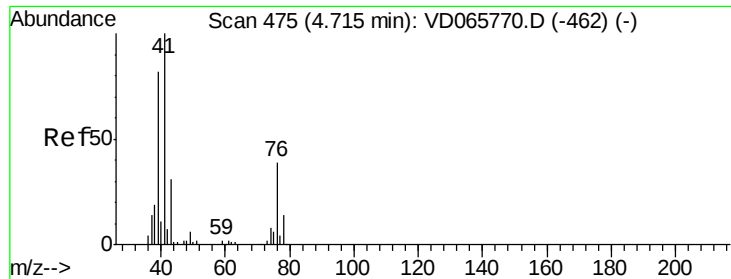
58 70.7 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

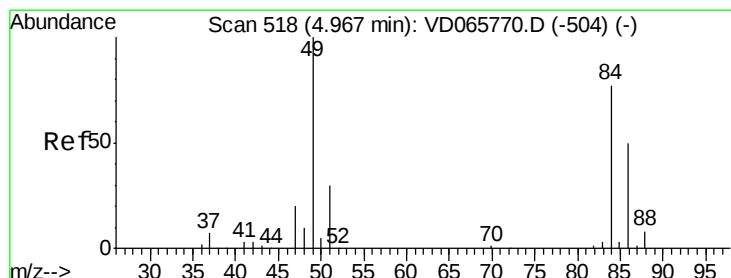
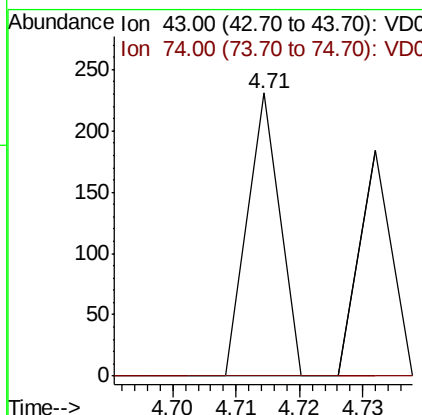
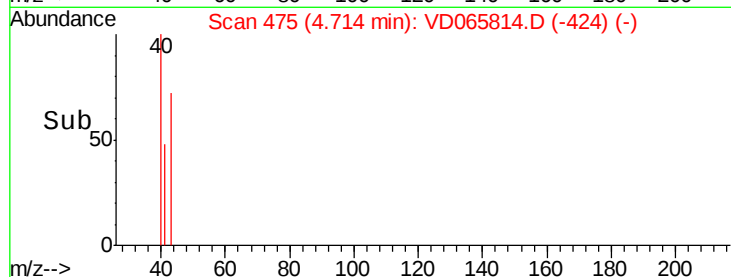
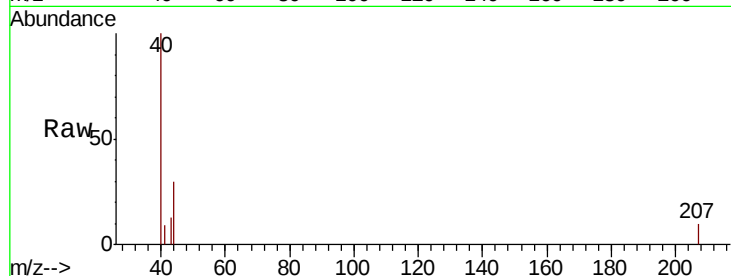




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065814.D
Acq: 18 Jun 2020 17:55

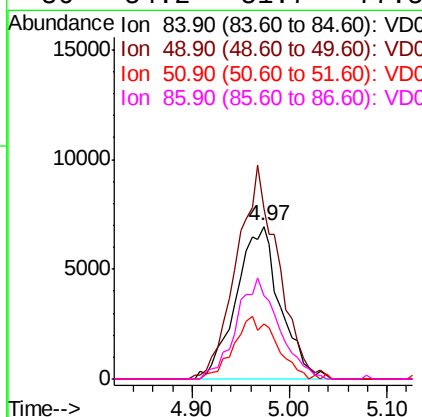
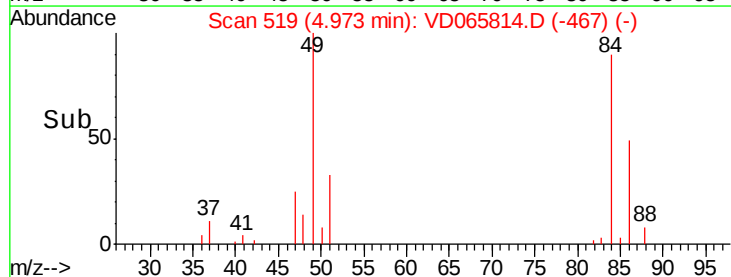
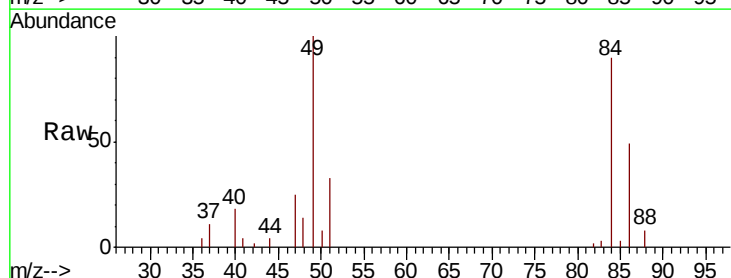
Instrument :
MSVOA_D
ClientSampleId :
RO-7

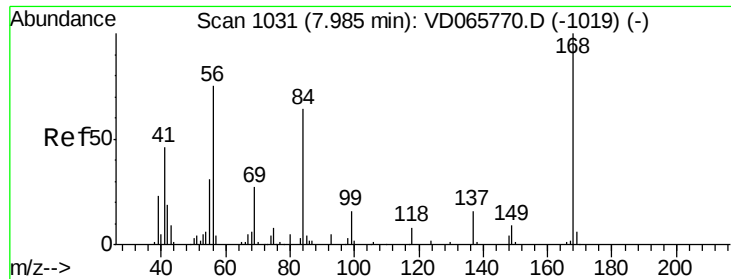
Tot Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#20
Methylene Chloride
Concen: 11.759 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065814.D
Acq: 18 Jun 2020 17:55

Tgt Ion: 84 Resp: 21858
Ion Ratio Lower Upper
84 100
49 111.3 103.4 155.0
51 36.4 31.4 47.2
86 54.2 51.7 77.5

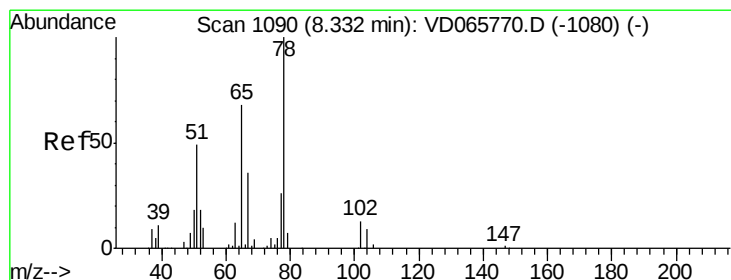
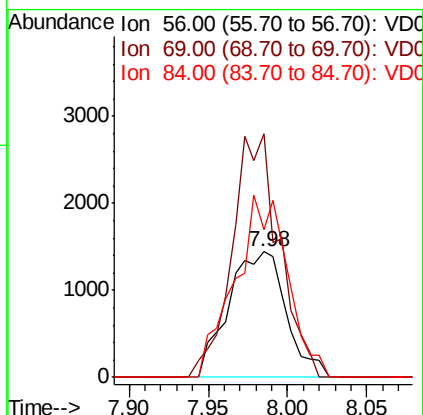
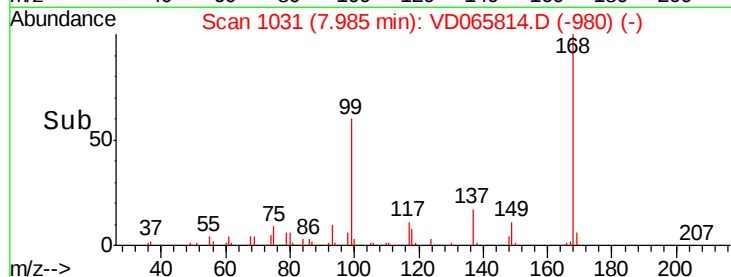
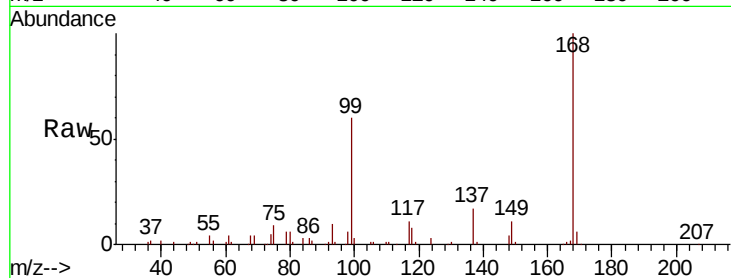




#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065814.D
Acq: 18 Jun 2020 17:55

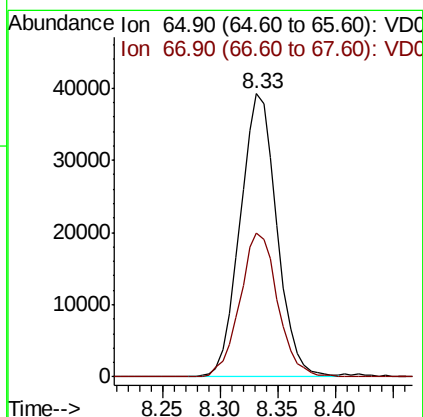
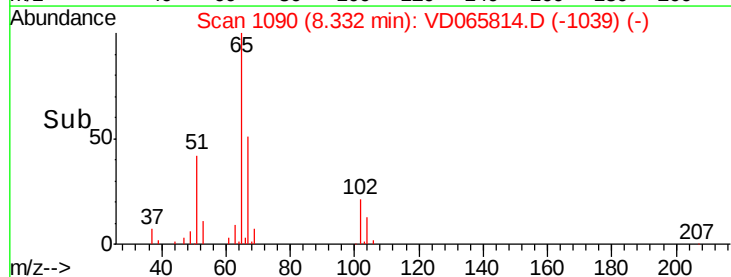
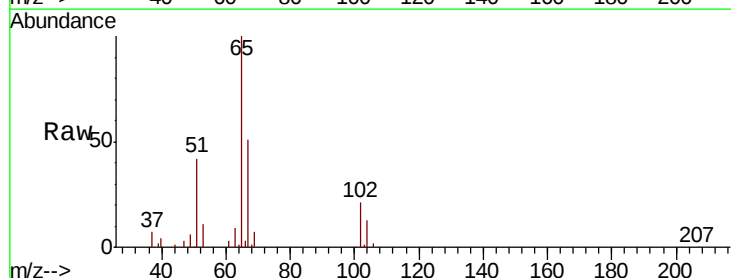
Instrument :
MSVOA_D
ClientSampleId :
RO-7

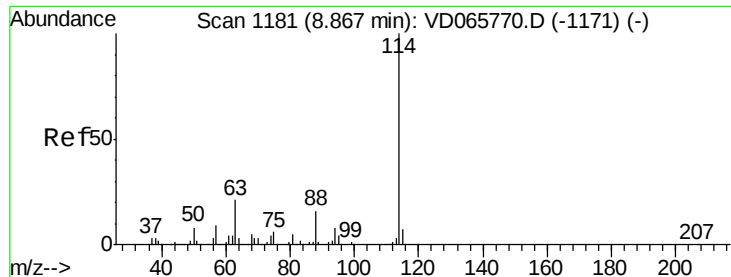
Tot Ion: 56 Resp: 3641
Ion Ratio Lower Upper
56 100
69 194.2 28.5 42.7#
84 117.4 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 60.334 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065814.D
Acq: 18 Jun 2020 17:55

Tgt Ion: 65 Resp: 86824
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.6

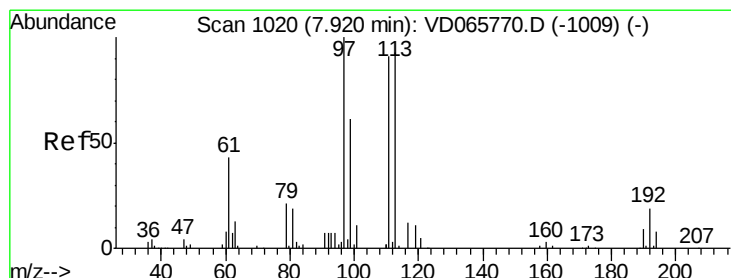
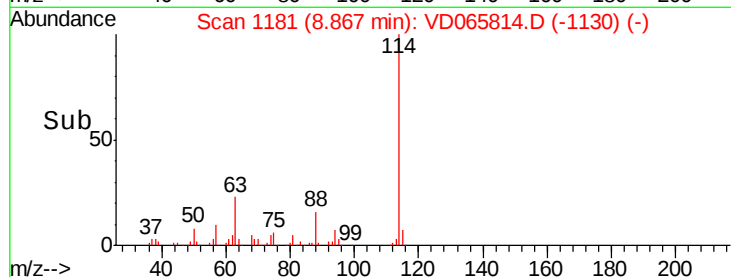
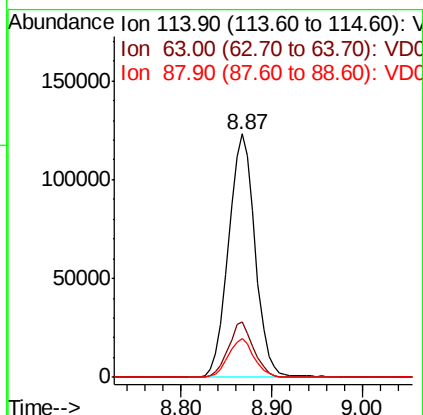
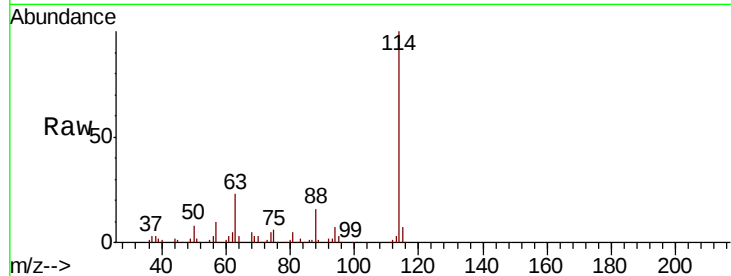




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065814.D
 Acq: 18 Jun 2020 17:55

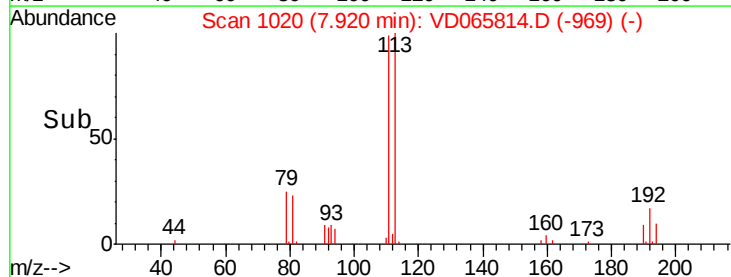
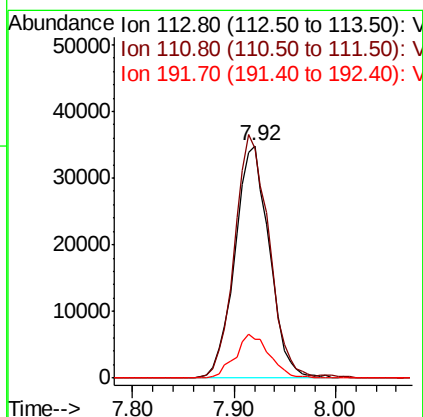
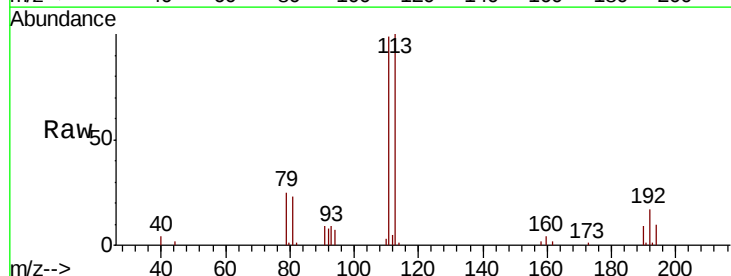
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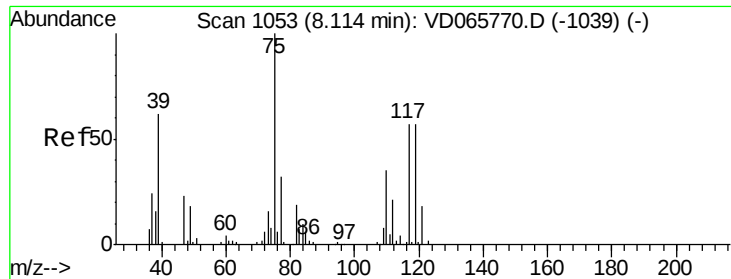
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	41.8
88	15.8	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 51.821 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065814.D
 Acq: 18 Jun 2020 17:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.4	83.4	125.0
192	18.8	15.7	23.5

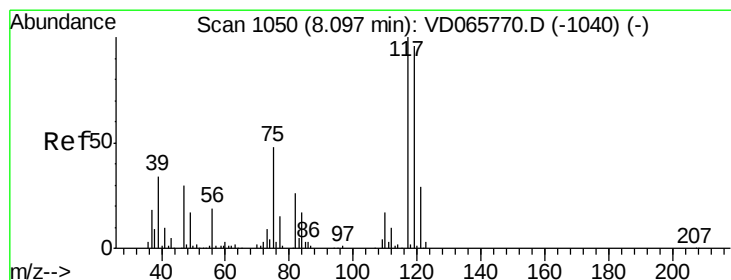
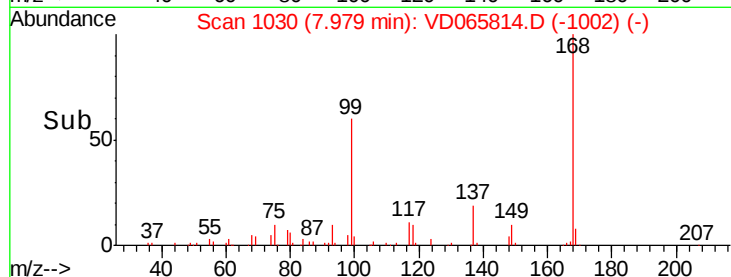
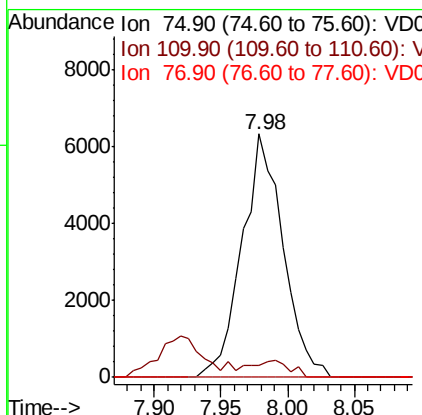
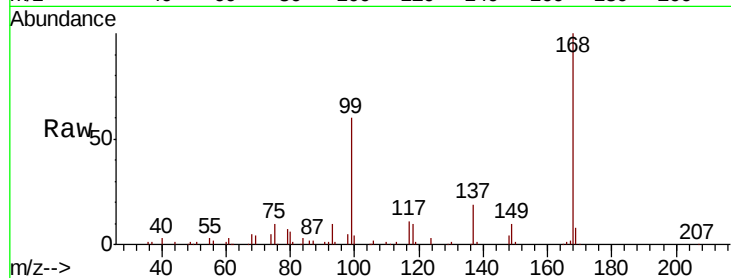




#36
 1,1-Dichloropropene
 Concen: 5.598 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065814.D
 Acq: 18 Jun 2020 17:55

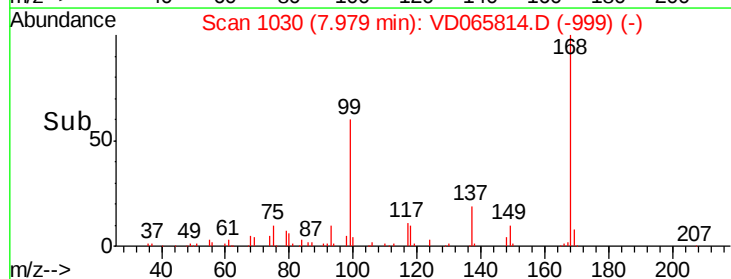
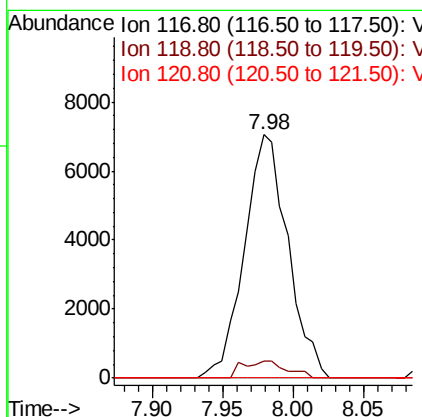
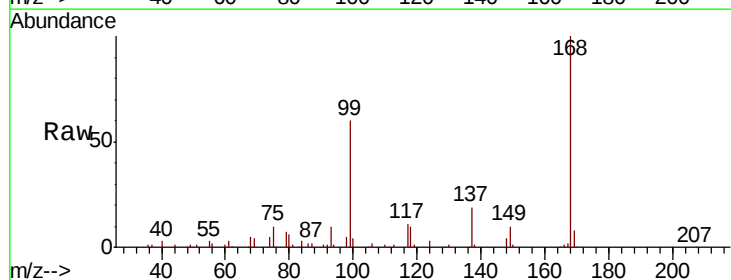
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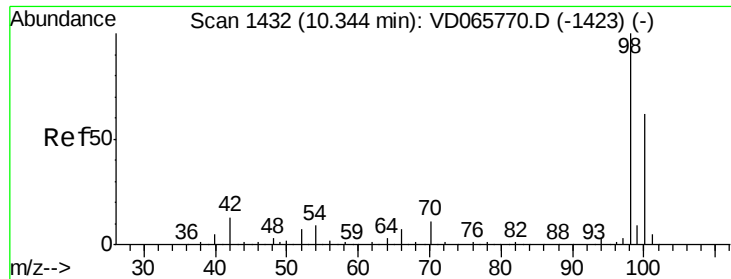
Tot Ion: 75 Resp: 13476
 Ion Ratio Lower Upper
 75 100
 110 5.1 17.6 52.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.022 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065814.D
 Acq: 18 Jun 2020 17:55

Tgt Ion: 117 Resp: 15257
 Ion Ratio Lower Upper
 117 100
 119 7.0 76.8 115.2#
 121 0.0 23.4 35.2#





#50

Toluene-d8

Concen: 49.615 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065814.D

Acq: 18 Jun 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

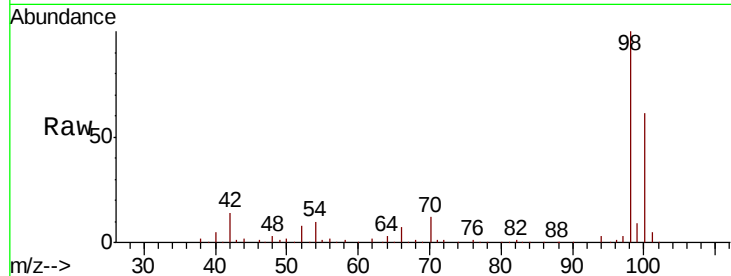
RO-7

Tot Ion: 98 Resp: 293693

Ion Ratio Lower Upper

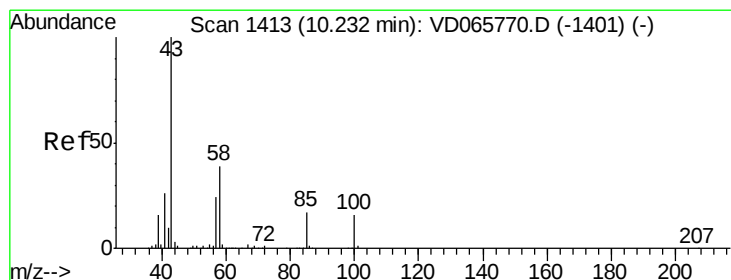
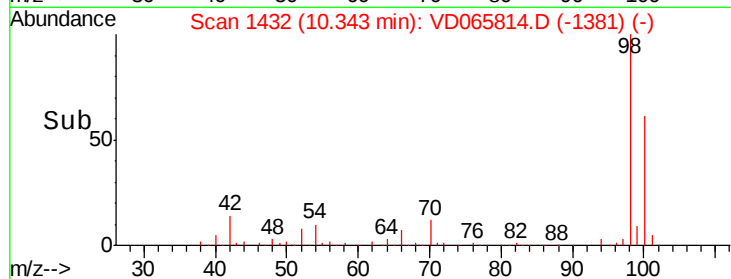
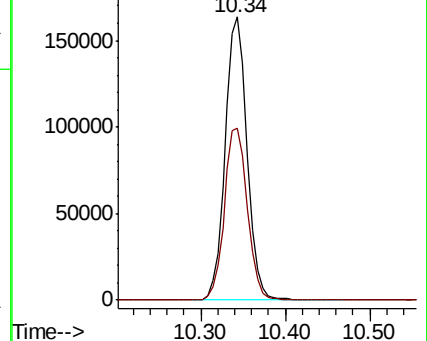
98 100

100 64.0 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: 1.590 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065814.D

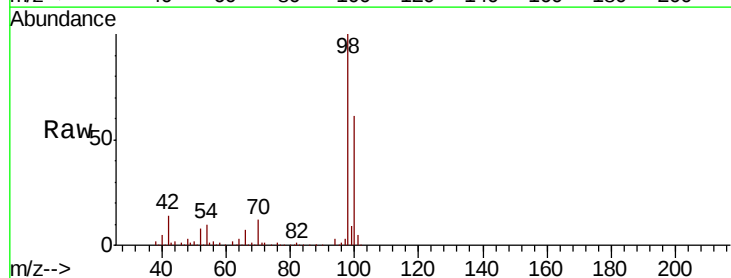
Acq: 18 Jun 2020 17:55

Tgt Ion: 43 Resp: 1469

Ion Ratio Lower Upper

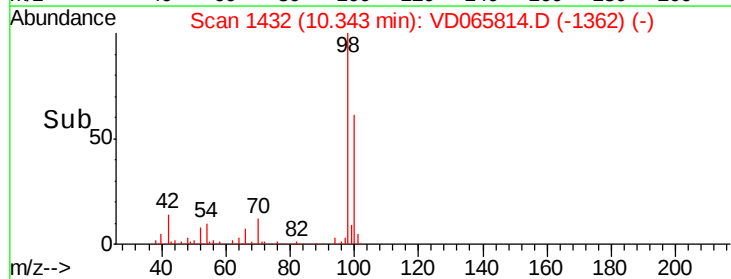
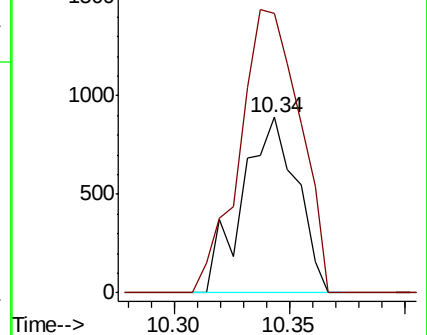
43 100

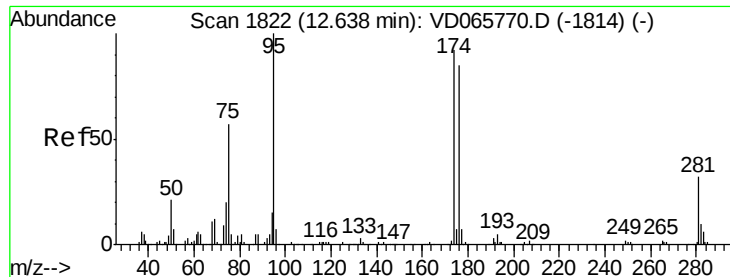
58 178.3 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

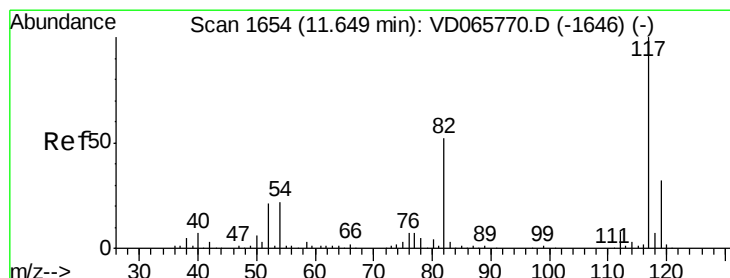
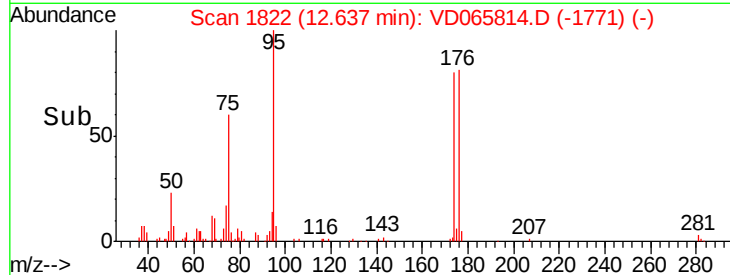
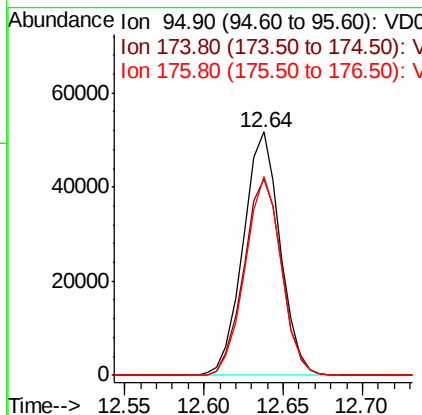
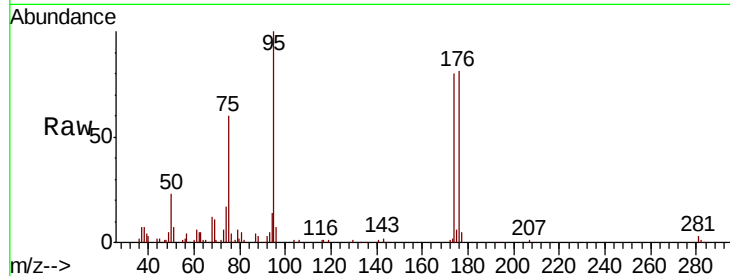




#62
4-Bromofluorobenzene
Concen: 41.462 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065814.D
Acq: 18 Jun 2020 17:55

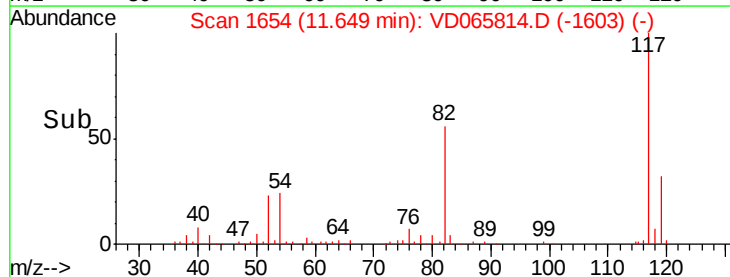
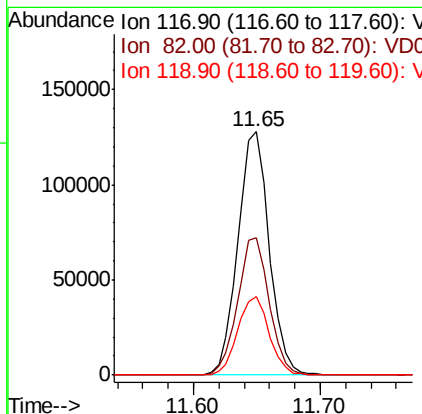
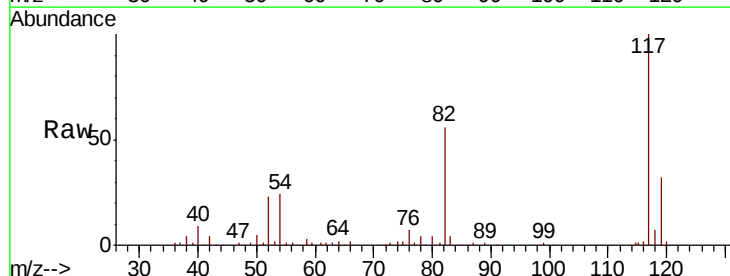
Instrument :
MSVOA_D
ClientSampleId :
RO-7

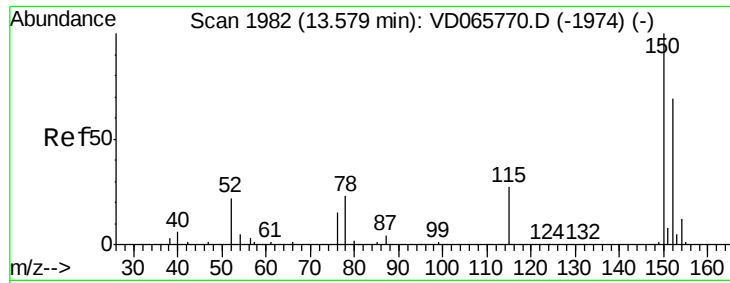
Tot Ion: 95 Resp: 83235
Ion Ratio Lower Upper
95 100
174 82.8 0.0 175.2
176 80.7 0.0 163.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065814.D
Acq: 18 Jun 2020 17:55

Tgt Ion: 117 Resp: 218516
Ion Ratio Lower Upper
117 100
82 56.4 41.9 62.9
119 32.3 25.3 37.9



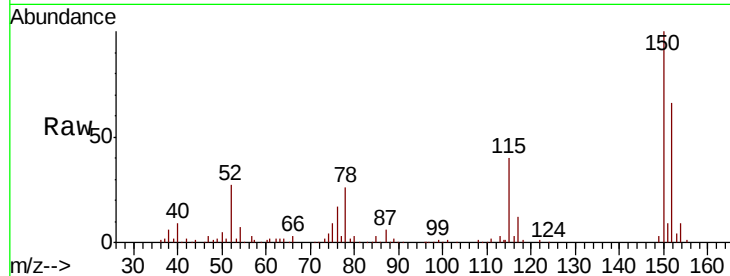


#72

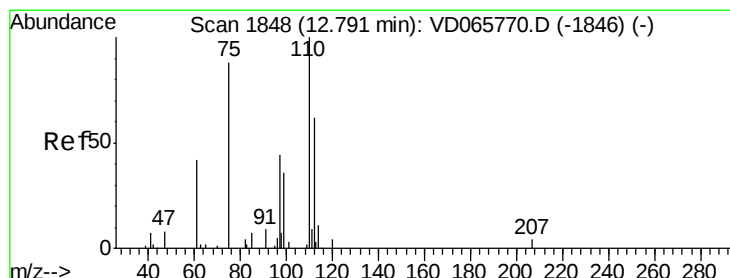
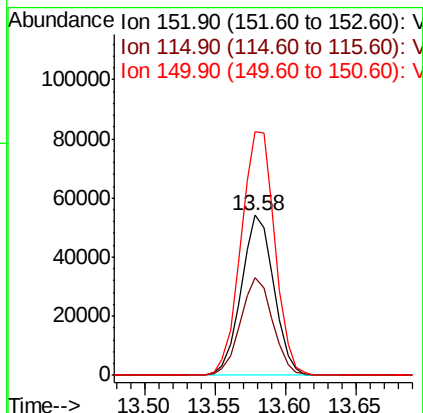
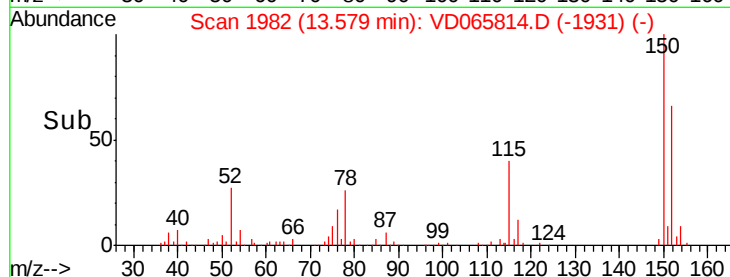
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065814.D
Acq: 18 Jun 2020 17:55

Instrument :
MSVOA_D
ClientSampleId :
RO-7

Tot Ion:152 Resp: 87674
Ion Ratio Lower Upper
152 100
115 60.1 28.7 86.1
150 157.4 0.0 348.0



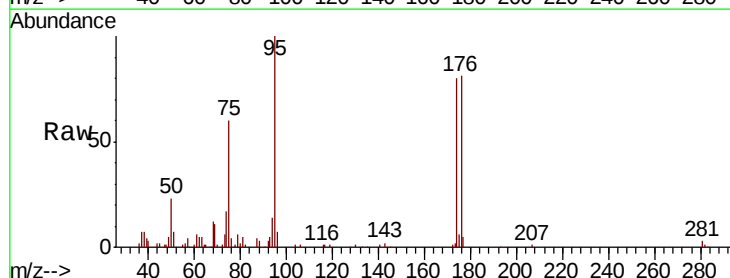
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



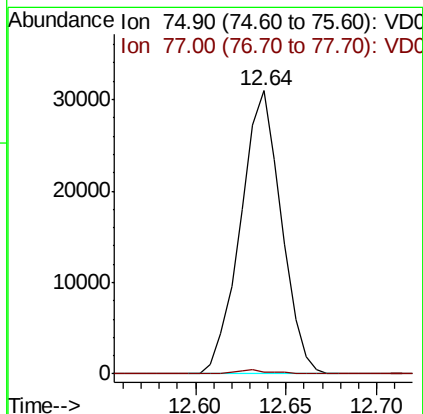
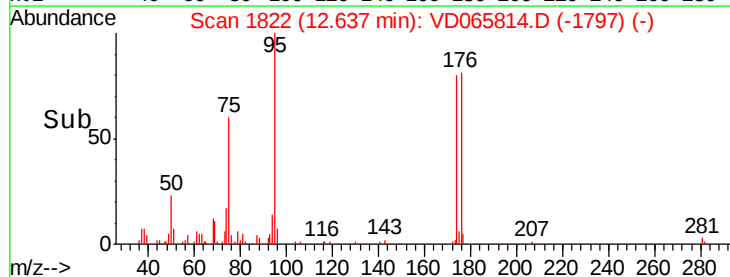
#76

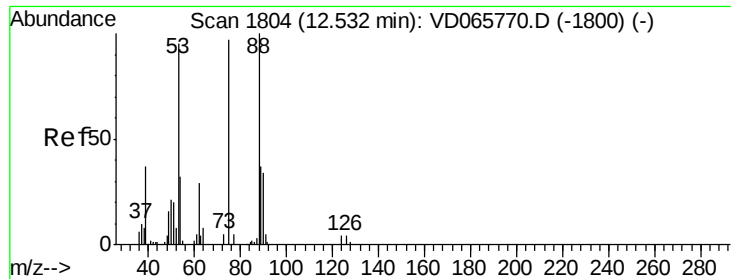
1,2,3-Trichloropropane
Concen: 70.940 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065814.D
Acq: 18 Jun 2020 17:55

Tgt Ion: 75 Resp: 48371
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 153.276 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065814.D

Acq: 18 Jun 2020 17:55

Instrument :

MSVOA_D

ClientSampleId :

RO-7

Tot Ion: 75 Resp: 48371

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.0 35.9 53.9#

