

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061920\
 Data File : VD065831.D
 Acq On : 19 Jun 2020 16:26
 Operator : VA/SY
 Sample : L3024-07RE
 Misc : 7.63G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-16RE

Quant Time: Jun 20 01:26:45 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	133130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	230540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	189043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	56999	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	75579	57.45	ug/l	0.00
Spiked Amount			Recovery	=	114.90%	
35) Dibromofluoromethane	7.92	113	75167	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
50) Toluene-d8	10.34	98	257162	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
62) 4-Bromofluorobenzene	12.64	95	60071	32.62	ug/l	0.00
Spiked Amount			Recovery	=	65.24%	

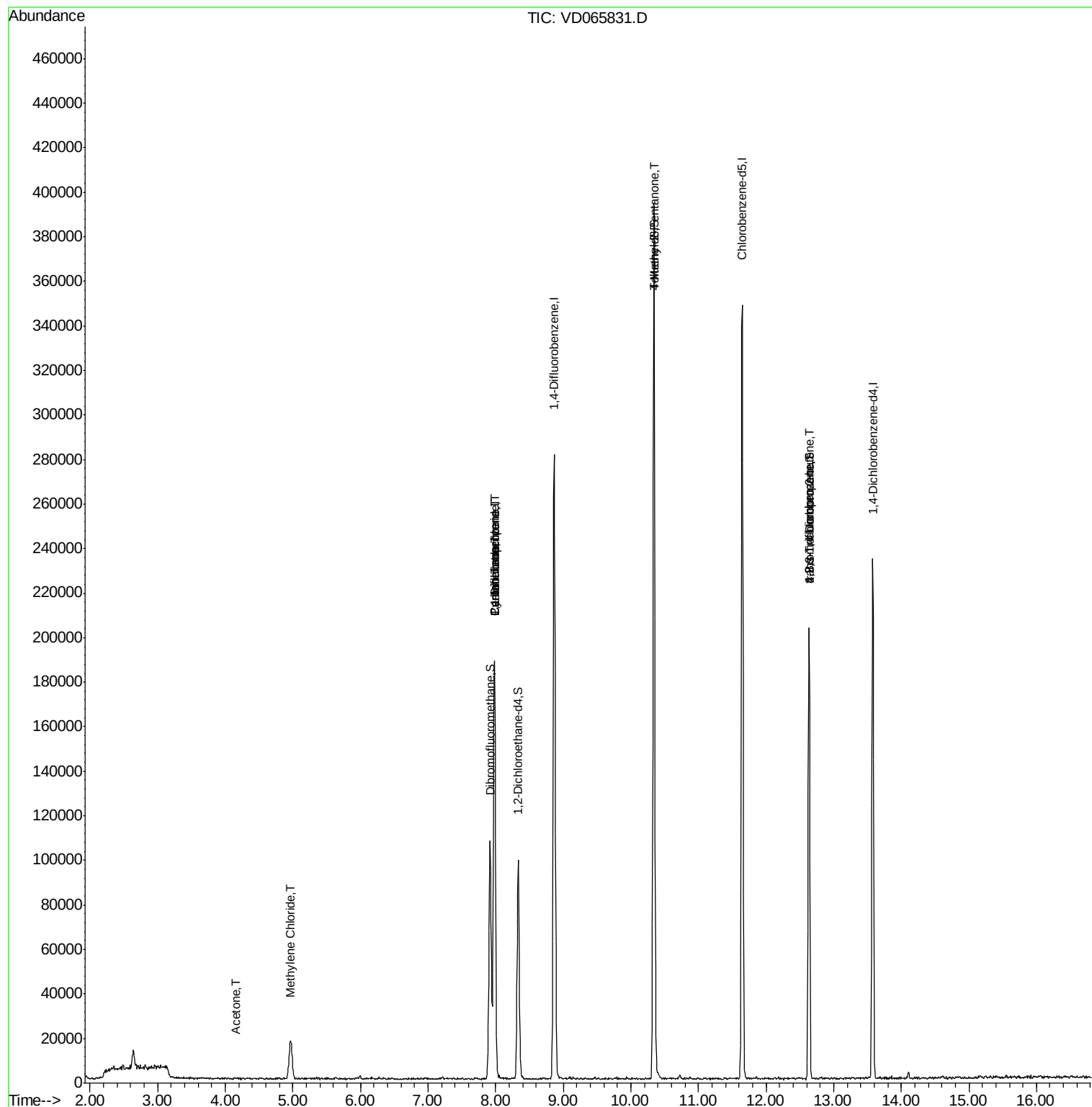
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	72	Below Cal	#	42
3) Chloromethane	2.21	50	206	Below Cal	#	43
16) Acetone	4.16	43	364	1.467	ug/l #	47
18) Methyl Acetate	4.50	43	61	Below Cal	#	52
20) Methylene Chloride	4.96	84	13461	6.328	ug/l #	80
31) Cyclohexane	7.98	56	3594	1.523	ug/l #	22
36) 1,1-Dichloropropene	7.98	75	11774	5.331	ug/l #	52
38) Carbon Tetrachloride	7.98	117	14946	6.431	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	1342	1.583	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	34912	78.757	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	34912	170.163	ug/l #	9

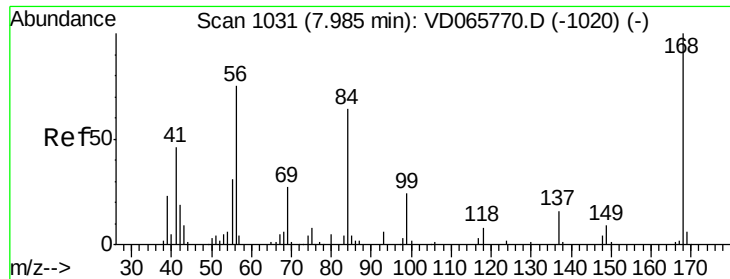
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD061920\
Data File : VD065831.D
Acq On : 19 Jun 2020 16:26
Operator : VA/SY
Sample : L3024-07RE
Misc : 7.63G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RO-16RE

Quant Time: Jun 20 01:26:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
Quant Title : SW846 8260
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: VD065831.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

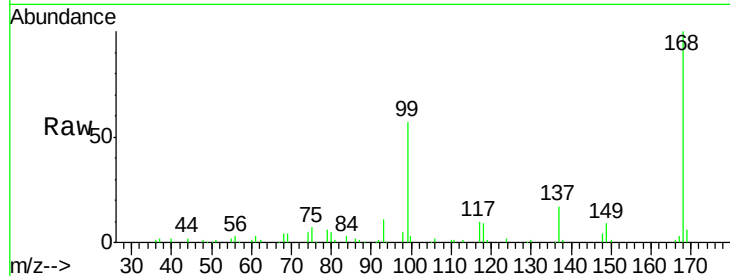
RO-16RE

Tgt Ion:168 Resp: 133130

Ion Ratio Lower Upper

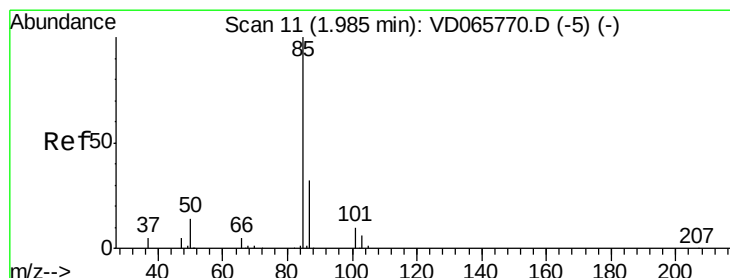
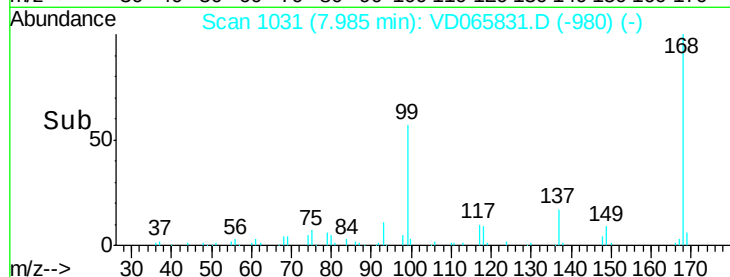
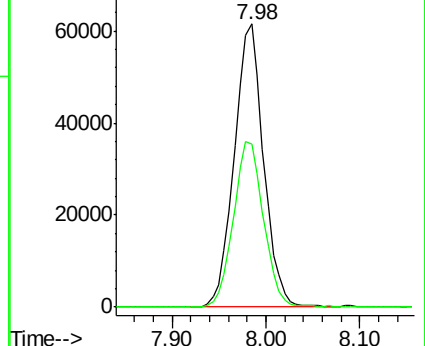
168 100

99 57.4 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: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD065831.D

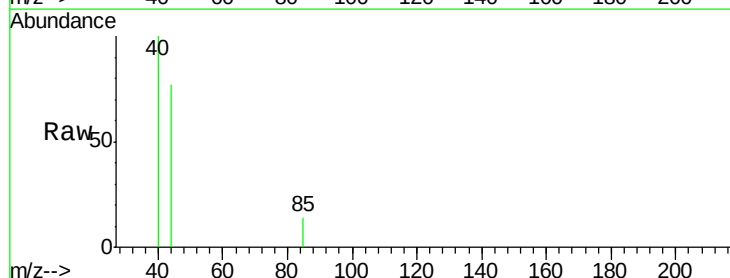
Acq: 19 Jun 2020 16:26

Tgt Ion: 85 Resp: 72

Ion Ratio Lower Upper

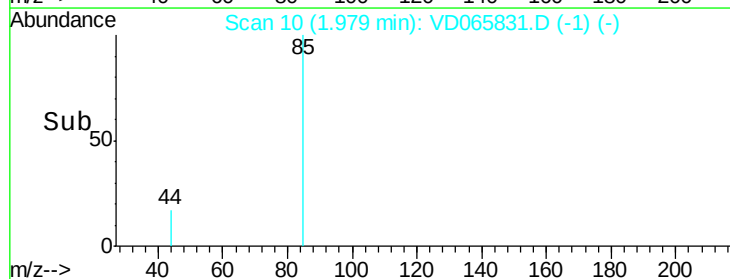
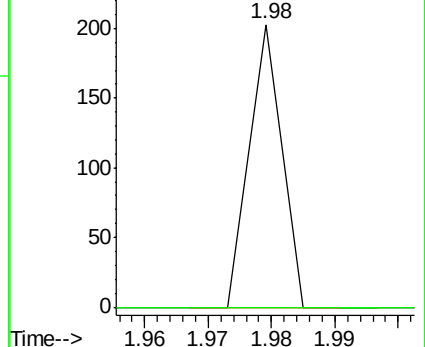
85 100

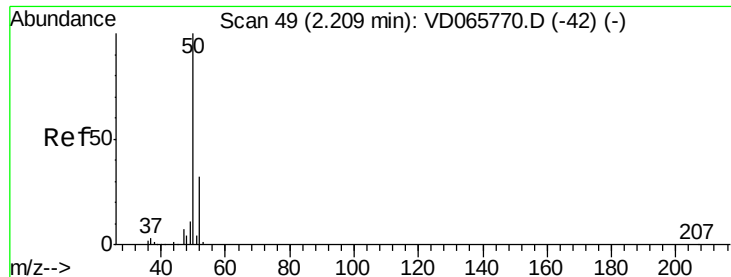
87 0.0 16.2 48.5#



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: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065831.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

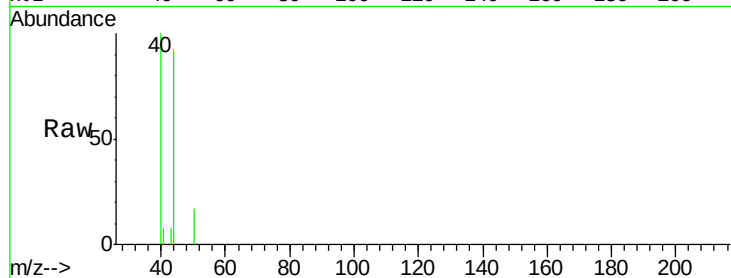
RO-16RE

Tgt Ion: 50 Resp: 206

Ion Ratio Lower Upper

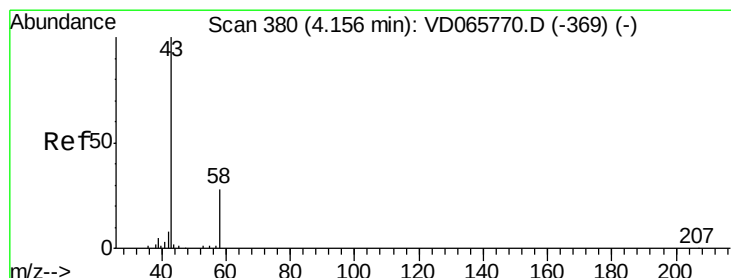
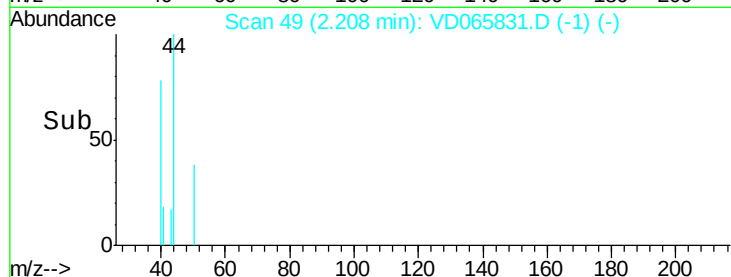
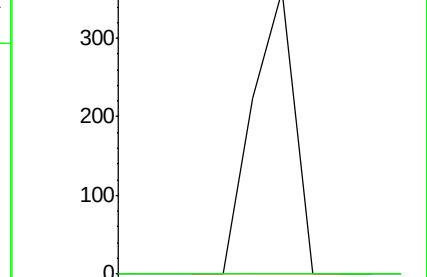
50 100

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: 1.467 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065831.D

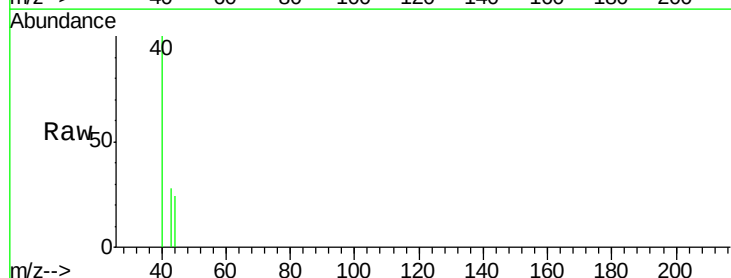
Acq: 19 Jun 2020 16:26

Tgt Ion: 43 Resp: 364

Ion Ratio Lower Upper

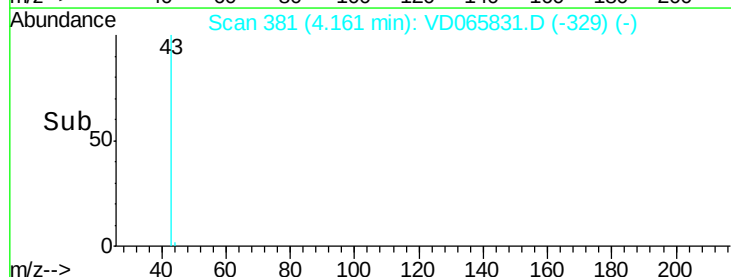
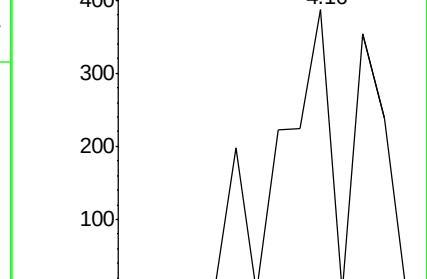
43 100

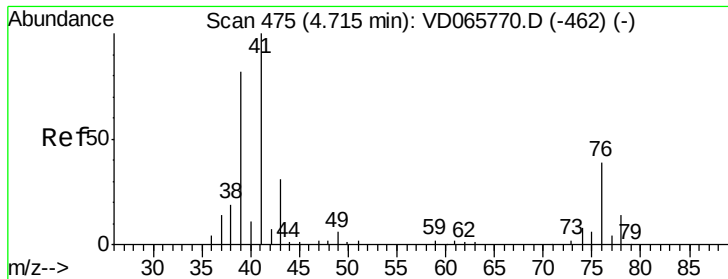
58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

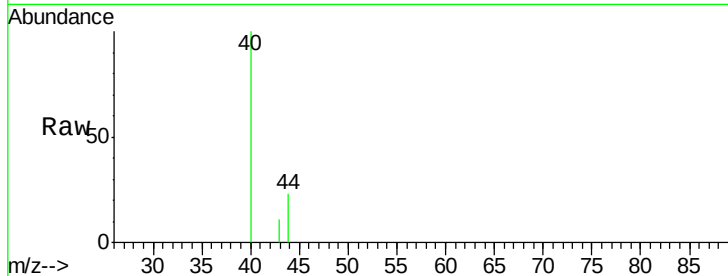




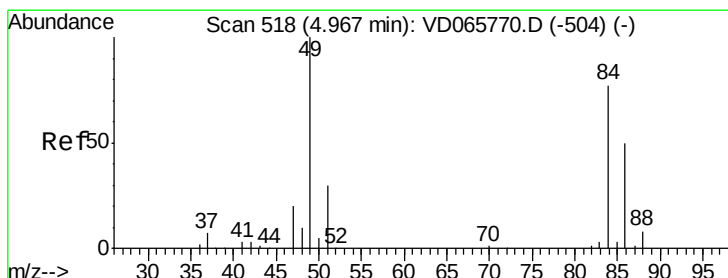
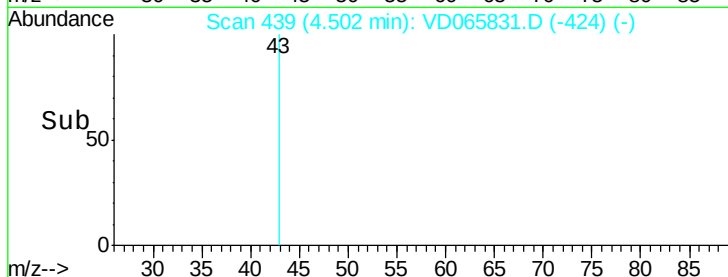
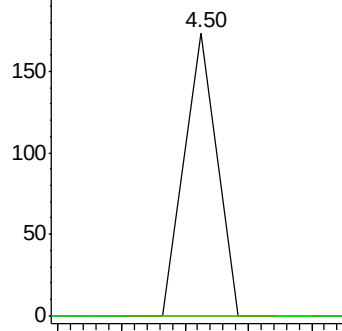
#18
Methyl Acetate
Concen: Below Cal
RT: 4.50 min Scan# 439
Delta R.T. -0.21 min
Lab File: VD065831.D
Acq: 19 Jun 2020 16:26

Instrument :
MSVOA_D
ClientSampleId :
RO-16RE

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#

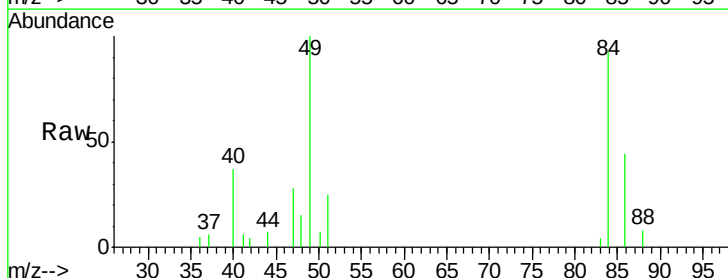


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

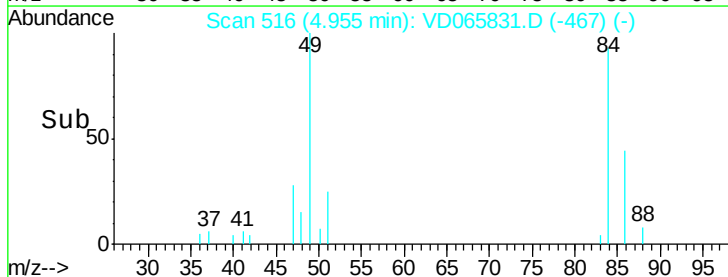
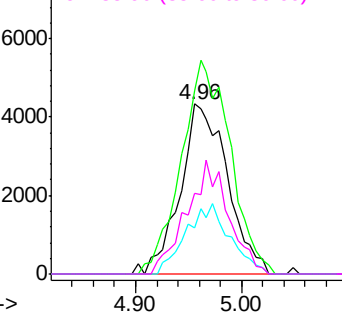


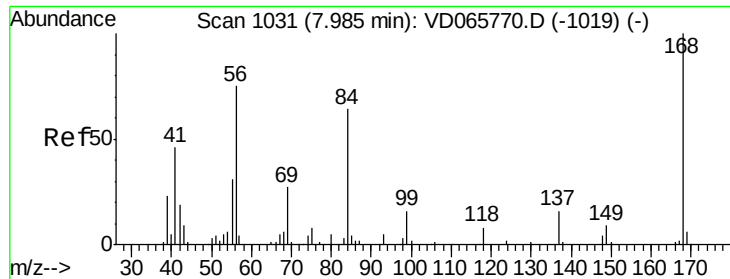
#20
Methylene Chloride
Concen: 6.328 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065831.D
Acq: 19 Jun 2020 16:26

Tgt Ion: 84 Resp: 13461
Ion Ratio Lower Upper
84 100
49 107.7 103.4 155.0
51 26.8 31.4 47.2#
86 47.8 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

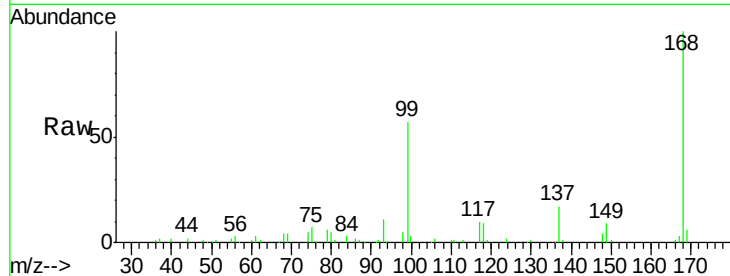




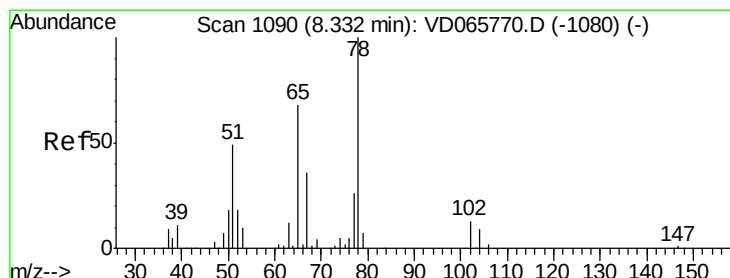
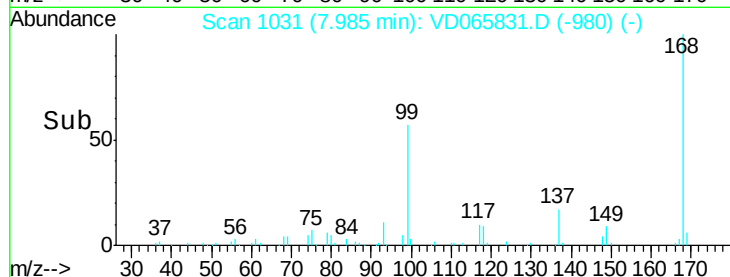
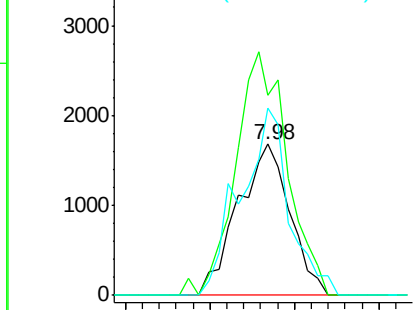
#31
Cyclohexane
Concen: 1.523 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065831.D
Acq: 19 Jun 2020 16:26

Instrument :
MSVOA_D
ClientSampleId :
RO-16RE

Tgt Ion: 56 Resp: 3594
Ion Ratio Lower Upper
56 100
69 132.6 28.5 42.7#
84 124.0 68.4 102.6#

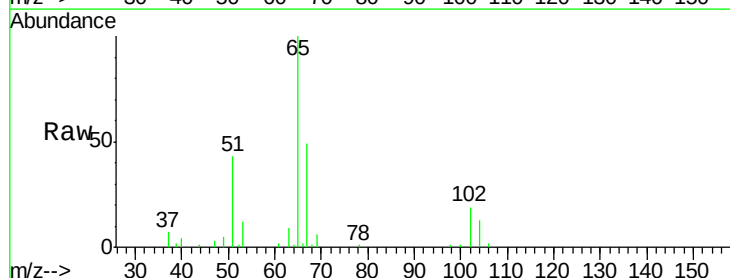


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

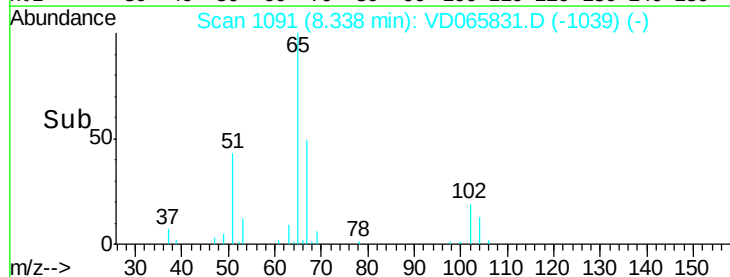
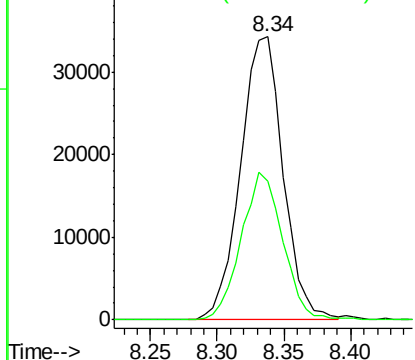


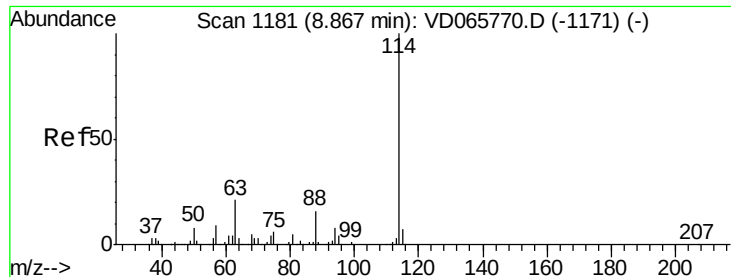
#33
1,2-Dichloroethane-d4
Concen: 57.453 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD065831.D
Acq: 19 Jun 2020 16:26

Tgt Ion: 65 Resp: 75579
Ion Ratio Lower Upper
65 100
67 51.0 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: VD065831.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

RO-16RE

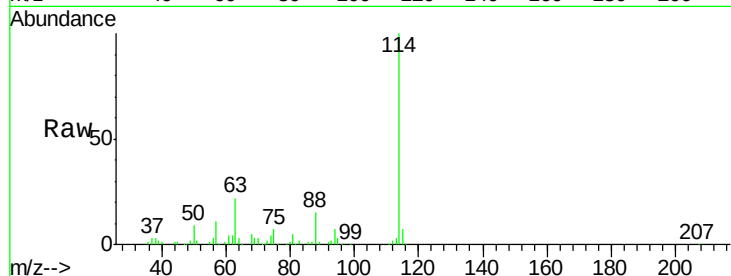
Tgt Ion:114 Resp: 230540

Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

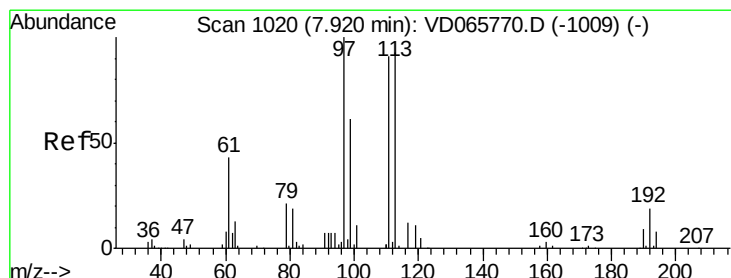
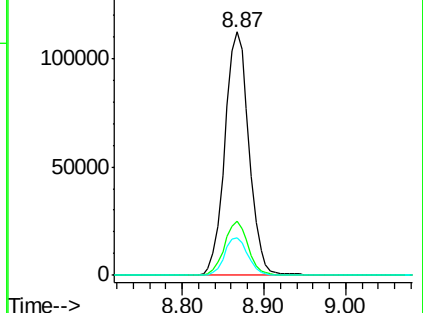
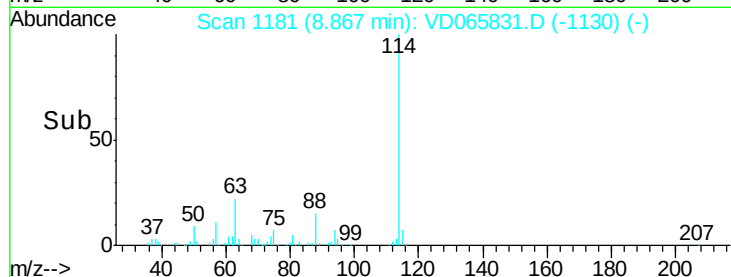
88 15.2 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 51.618 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065831.D

Acq: 19 Jun 2020 16:26

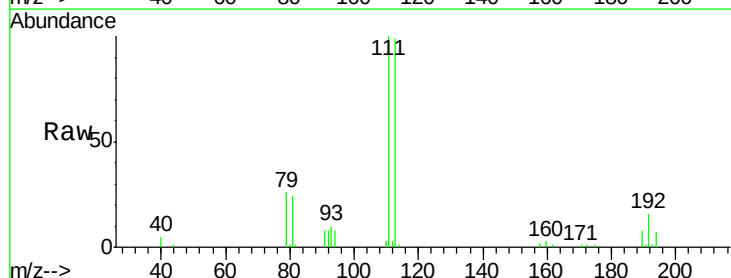
Tgt Ion:113 Resp: 75167

Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.0

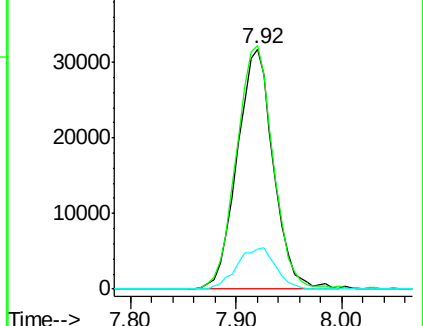
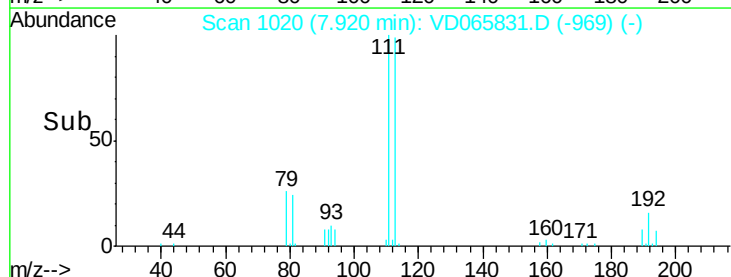
192 18.4 15.7 23.5

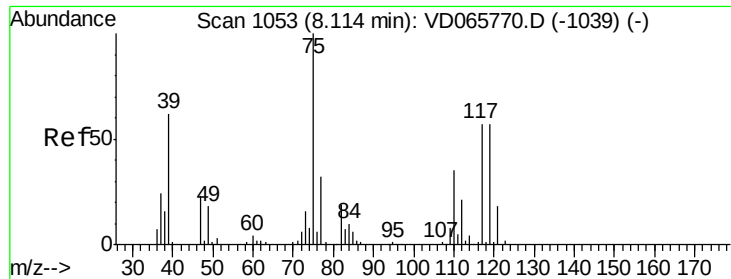


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

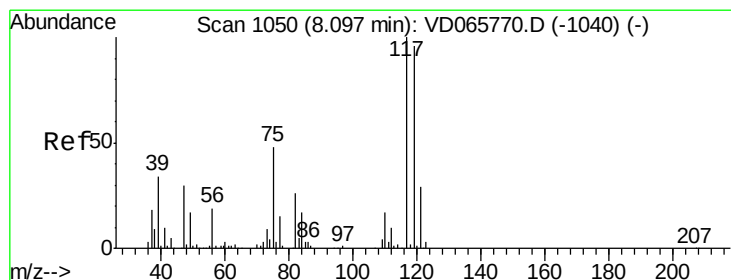
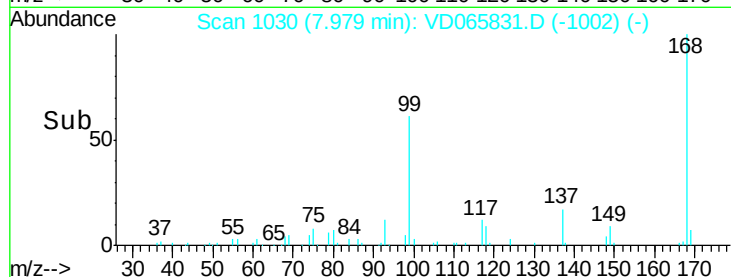
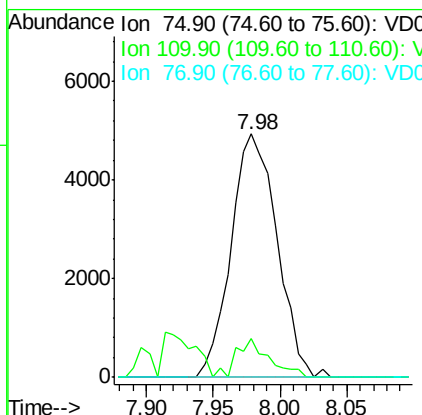
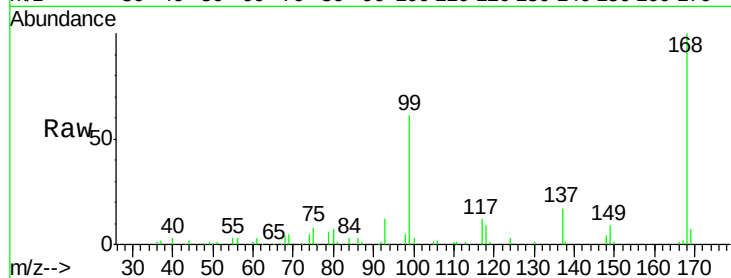




#36
 1,1-Dichloropropene
 Concen: 5.331 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065831.D
 Acq: 19 Jun 2020 16:26

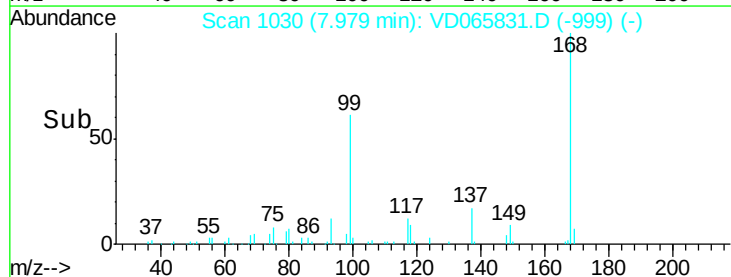
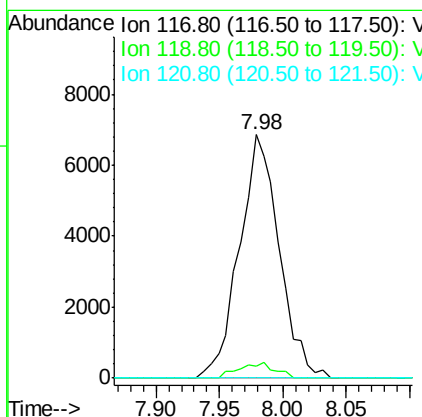
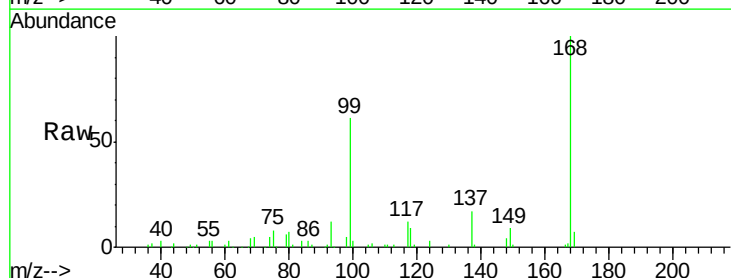
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-16RE

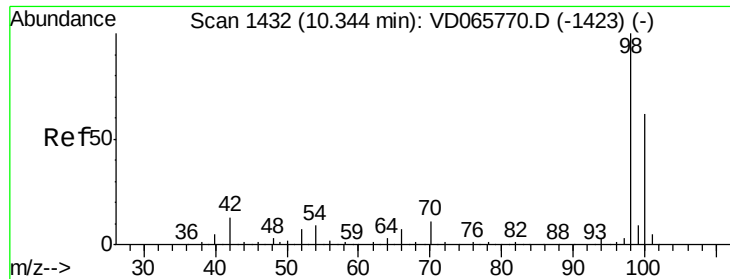
Tgt Ion: 75 Resp: 11774
 Ion Ratio Lower Upper
 75 100
 110 11.4 17.6 52.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.431 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065831.D
 Acq: 19 Jun 2020 16:26

Tgt Ion: 117 Resp: 14946
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.8 115.2#
 121 0.0 23.4 35.2#





#50

Toluene-d8

Concen: 47.359 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065831.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

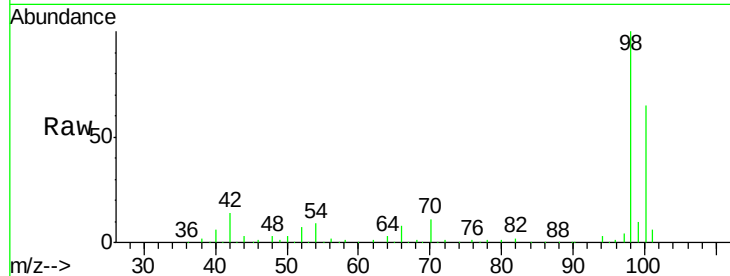
RO-16RE

Tgt Ion: 98 Resp: 257162

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

150000

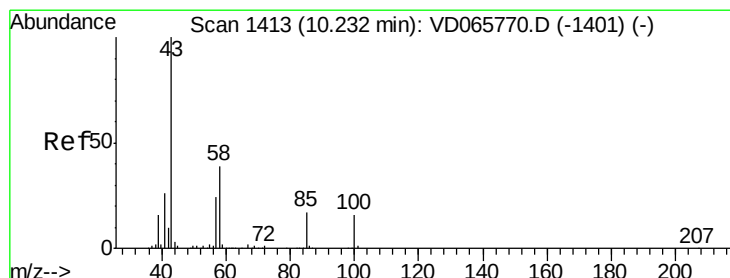
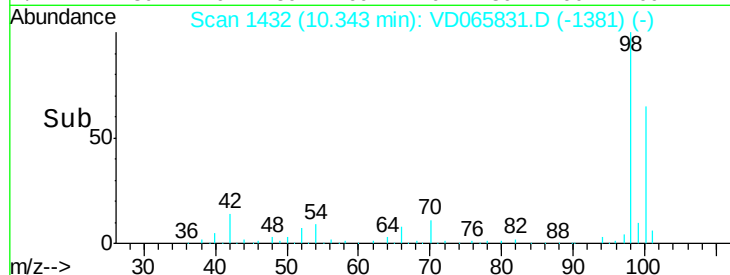
100000

50000

0

Time-->

10.30 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.583 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD065831.D

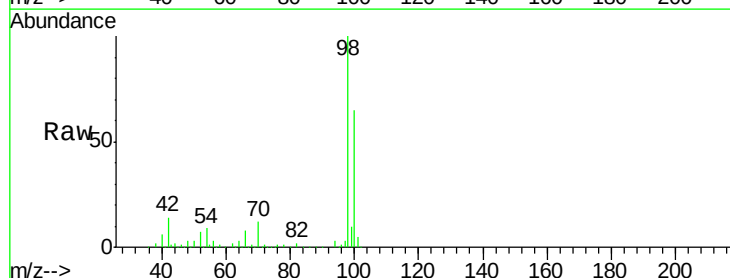
Acq: 19 Jun 2020 16:26

Tgt Ion: 43 Resp: 1342

Ion Ratio Lower Upper

43 100

58 185.8 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1500

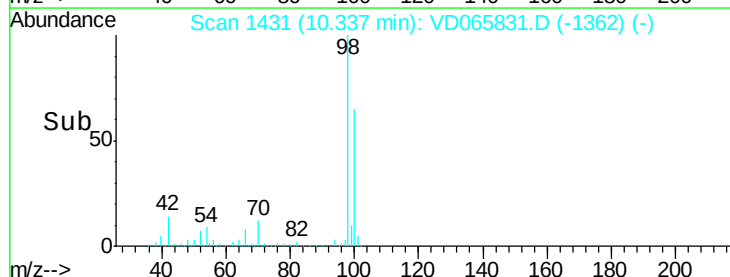
1000

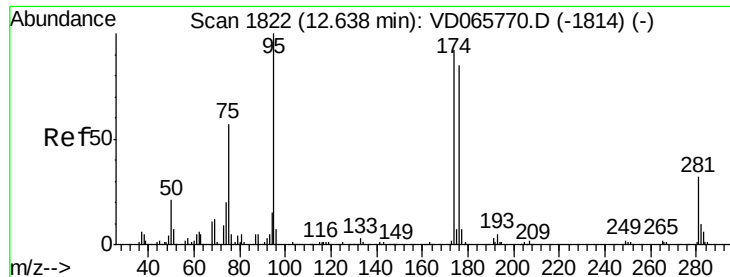
500

0

Time-->

10.30 10.35





#62

4-Bromofluorobenzene

Concen: 32.620 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065831.D

Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

RO-16RE

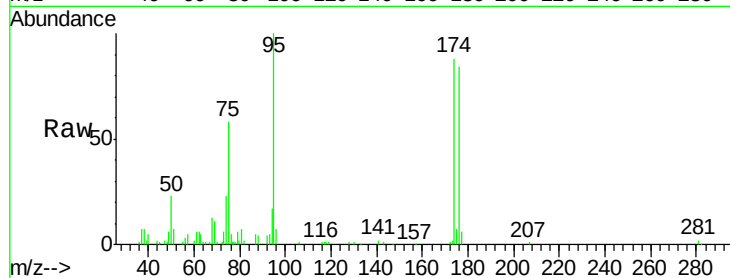
Tgt Ion: 95 Resp: 60071

Ion Ratio Lower Upper

95 100

174 83.5 0.0 175.2

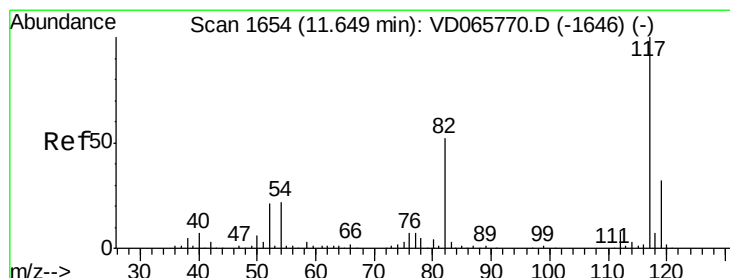
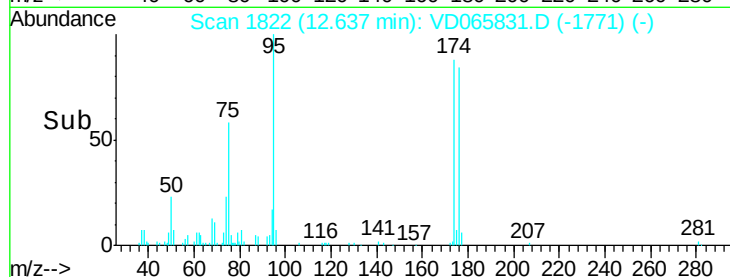
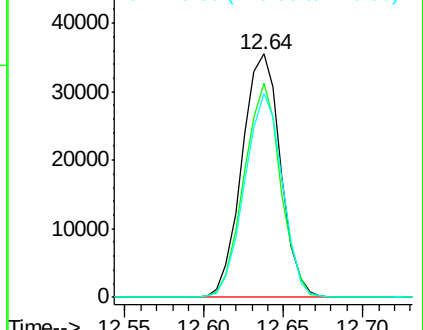
176 81.6 0.0 163.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065831.D

Acq: 19 Jun 2020 16:26

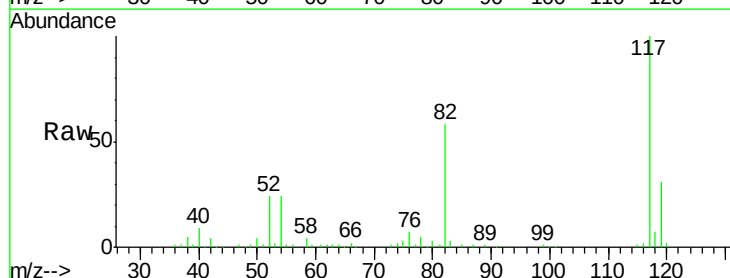
Tgt Ion: 117 Resp: 189043

Ion Ratio Lower Upper

117 100

82 58.1 41.9 62.9

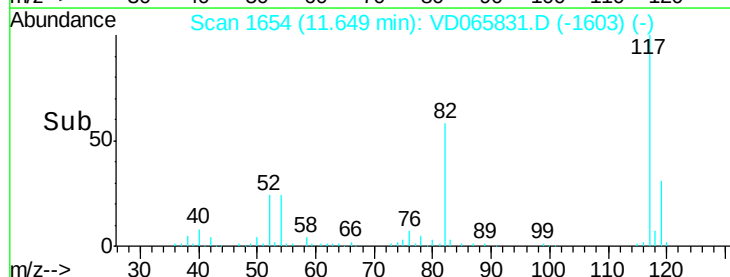
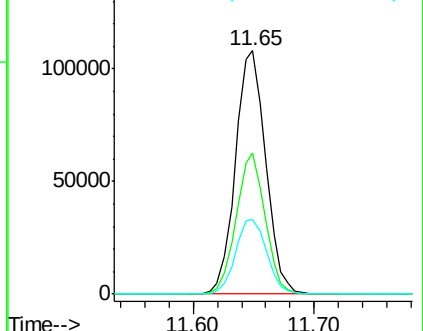
119 30.6 25.3 37.9

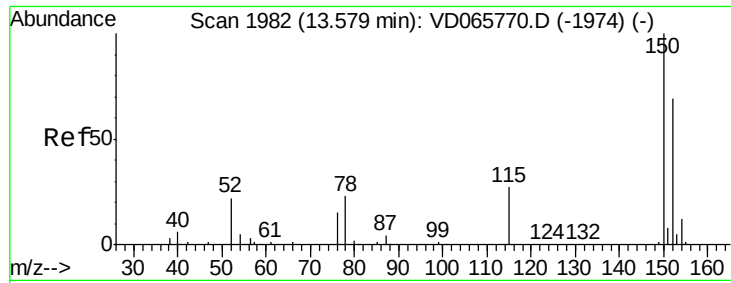


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

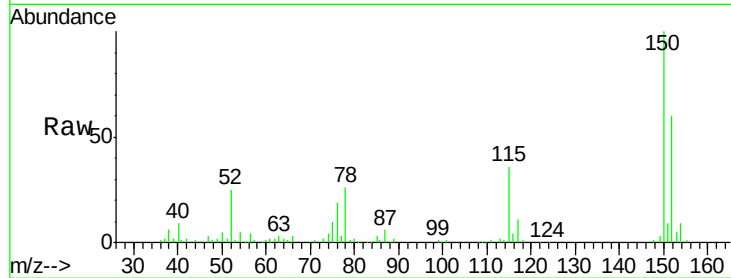




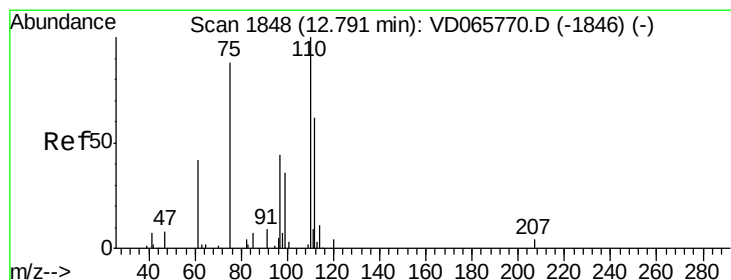
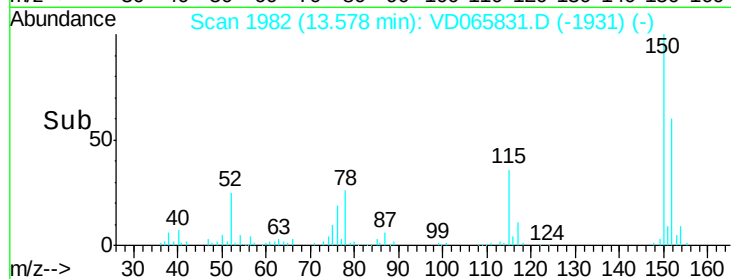
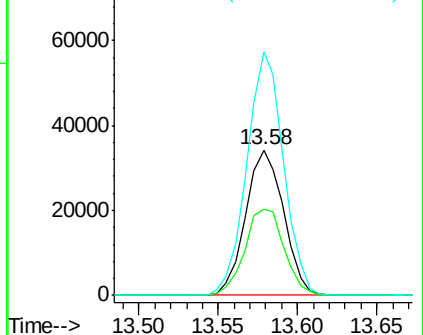
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VD065831.D
 Acq: 19 Jun 2020 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-16RE

Tgt Ion:152 Resp: 56999
 Ion Ratio Lower Upper
 152 100
 115 61.3 28.7 86.1
 150 161.5 0.0 348.0

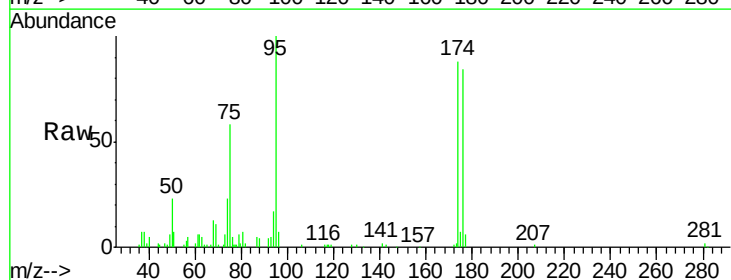


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

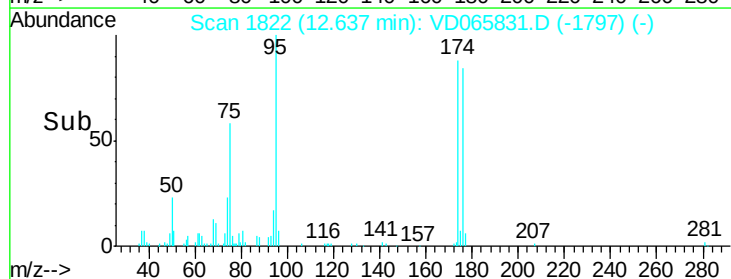
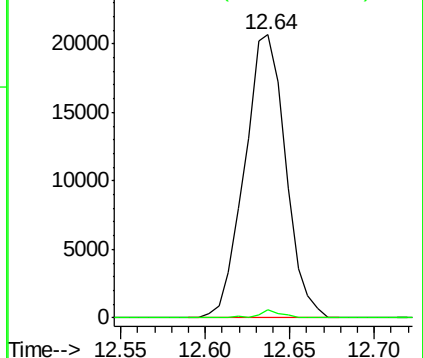


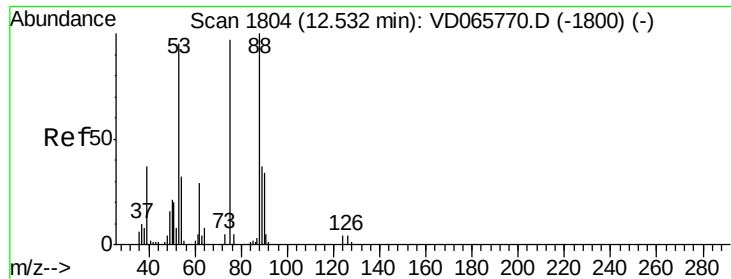
#76
 1,2,3-Trichloropropane
 Concen: 78.757 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065831.D
 Acq: 19 Jun 2020 16:26

Tgt Ion: 75 Resp: 34912
 Ion Ratio Lower Upper
 75 100
 77 1.4 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: 170.163 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065831.D

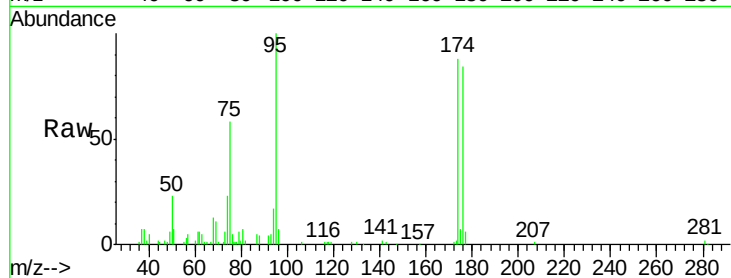
Acq: 19 Jun 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

RO-16RE



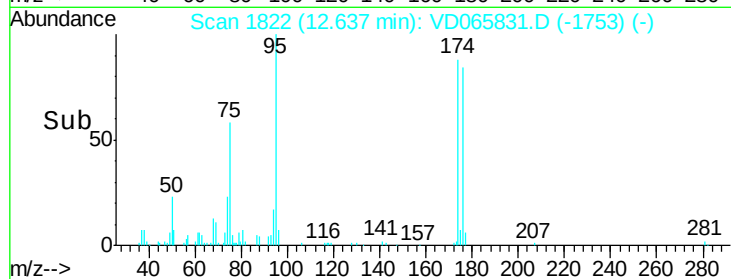
Tgt Ion: 75 Resp: 34912

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

