

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065811.D
 Acq On : 18 Jun 2020 16:34
 Operator : VA/SY
 Sample : L3024-01
 Misc : 7.53G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-21

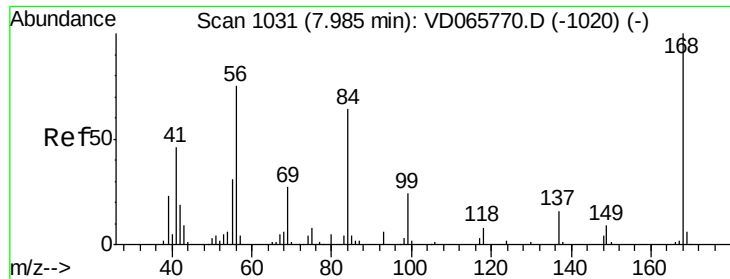
Quant Time: Jun 19 01:02:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	157220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	268925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	237576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	88208	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	87441	56.28	ug/l	0.00
Spiked Amount			Recovery	=	112.56%	
35) Dibromofluoromethane	7.92	113	84068	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	10.34	98	298130	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
62) 4-Bromofluorobenzene	12.64	95	83836	39.03	ug/l	0.00
Spiked Amount			Recovery	=	78.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.97	85	59	Below Cal	#	42
3) Chloromethane	2.22	50	137	Below Cal	#	43
16) Acetone	4.16	43	1448	4.941	ug/l #	47
18) Methyl Acetate	4.65	43	65	Below Cal	#	52
20) Methylene Chloride	4.96	84	16134	6.496	ug/l	96
31) Cyclohexane	7.98	56	4558	1.636	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	14132	5.486	ug/l #	49
38) Carbon Tetrachloride	7.98	117	16068	5.927	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1487	1.504	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	49013	71.447	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	49013	154.370	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065811.D

Acq: 18 Jun 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

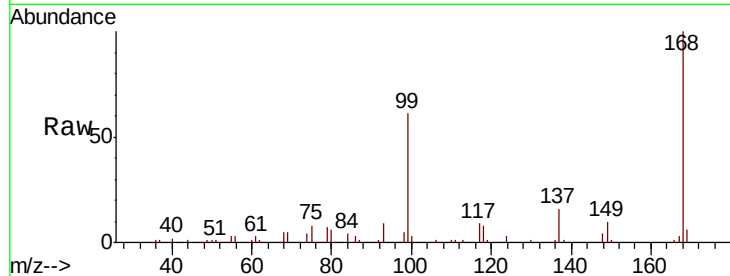
RO-21

Tot Ion:168 Resp: 157220

Ion Ratio Lower Upper

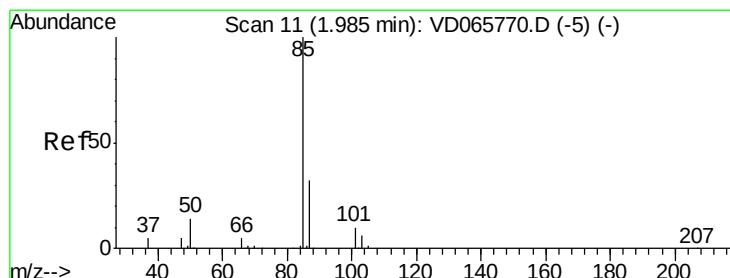
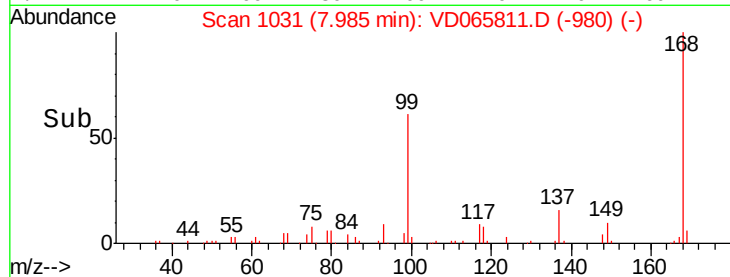
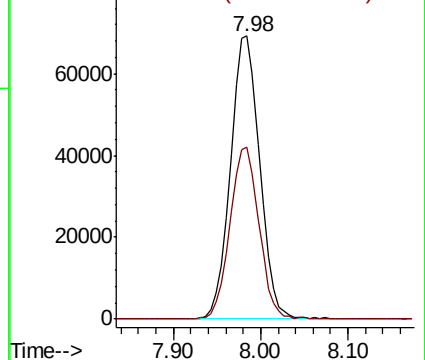
168 100

99 60.7 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: 1.97 min Scan# 9

Delta R.T. -0.01 min

Lab File: VD065811.D

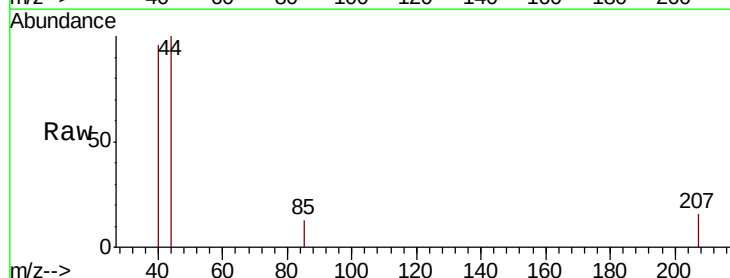
Acq: 18 Jun 2020 16:34

Tgt Ion: 85 Resp: 59

Ion Ratio Lower Upper

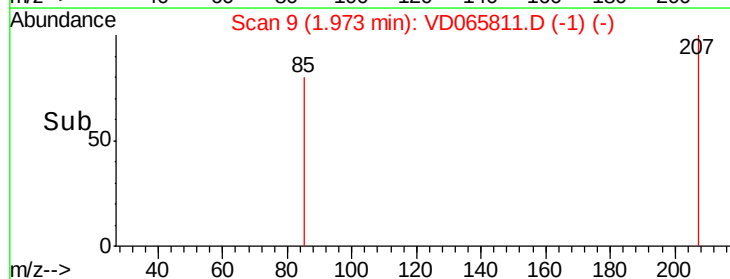
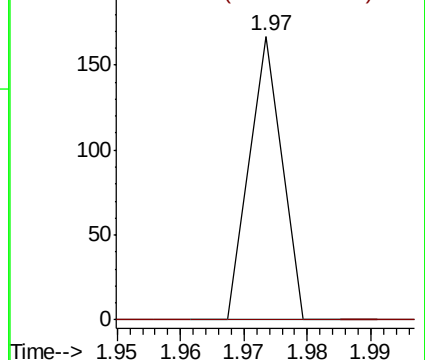
85 100

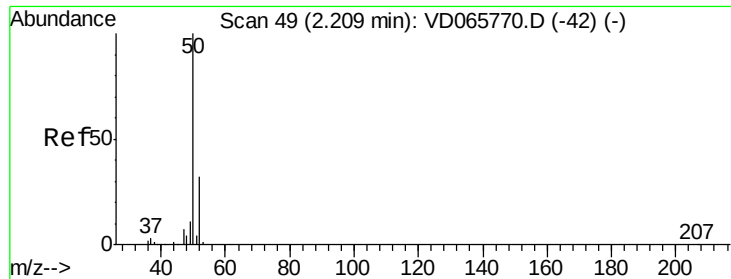
87 0.0 16.2 48.5#



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: 2.22 min Scan# 51

Delta R.T. 0.01 min

Lab File: VD065811.D

Acq: 18 Jun 2020 16:34

Instrument :

MSVOA_D

ClientSampled :

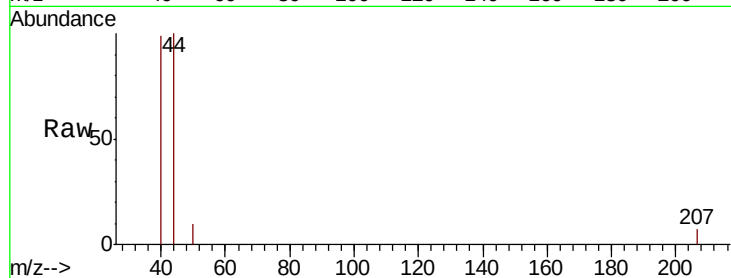
RO-21

Tot Ion: 50 Resp: 137

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

2.22

250

200

150

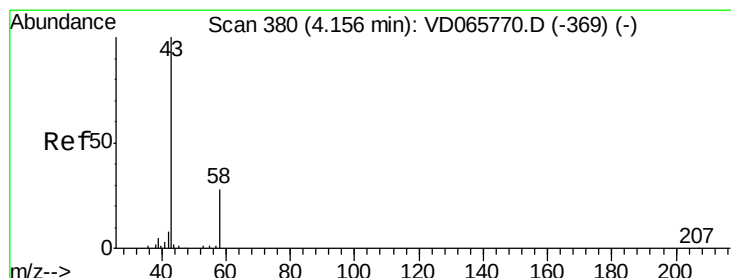
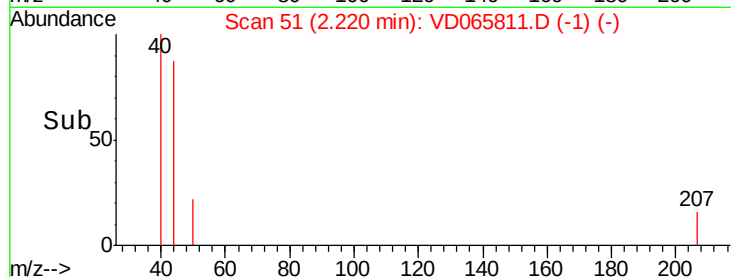
100

50

0

Time-->

2.20 2.22 2.24



#16

Acetone

Concen: 4.941 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065811.D

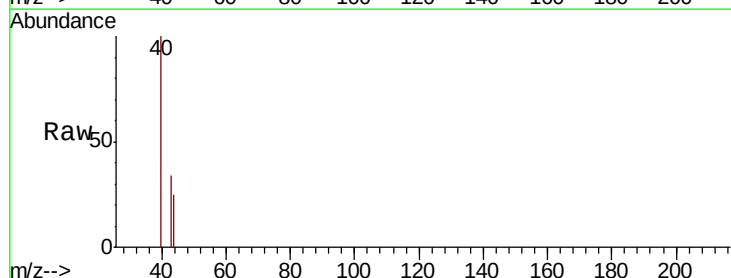
Acq: 18 Jun 2020 16:34

Tgt Ion: 43 Resp: 1448

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

600

500

400

300

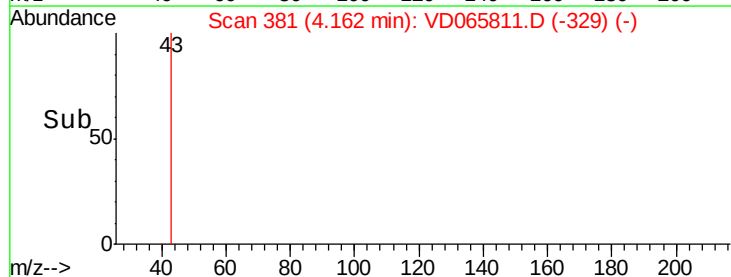
200

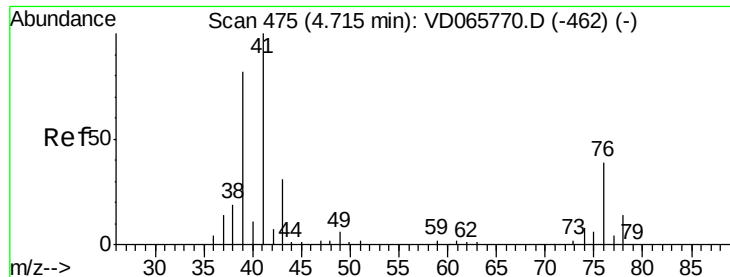
100

0

Time-->

4.10 4.15 4.20





#18

Methyl Acetate

Concen: Below Cal

RT: 4.65 min Scan# 464

Delta R.T. -0.06 min

Lab File: VD065811.D

Acq: 18 Jun 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

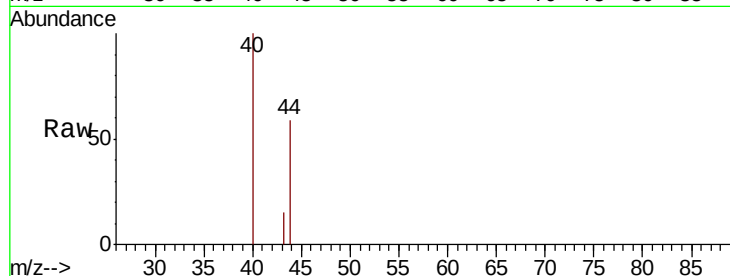
RO-21

Tot Ion: 43 Resp: 65

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

4.65

200

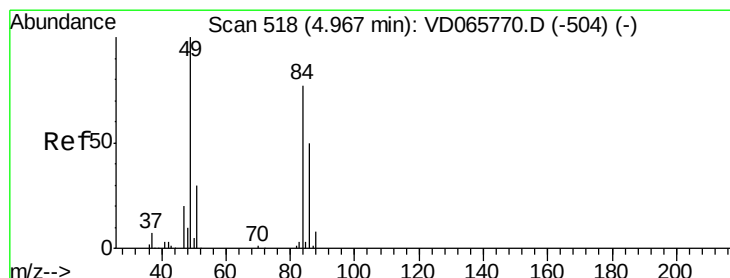
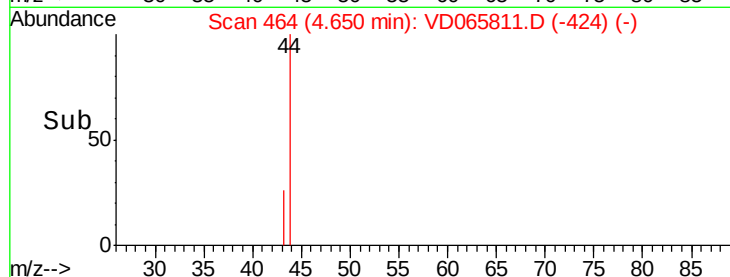
150

100

50

0

Time-->



#20

Methylene Chloride

Concen: 6.496 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065811.D

Acq: 18 Jun 2020 16:34

Tgt Ion: 84 Resp: 16134

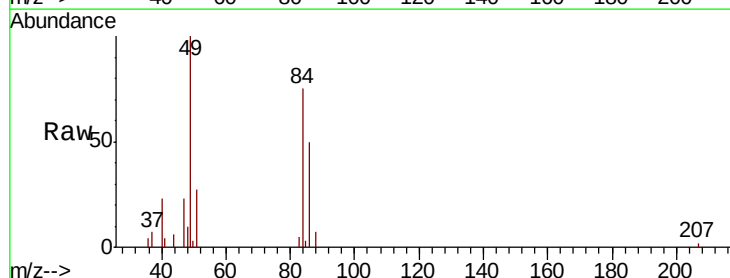
Ion Ratio Lower Upper

84 100

49 133.8 103.4 155.0

51 36.7 31.4 47.2

86 67.4 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

10000

8000

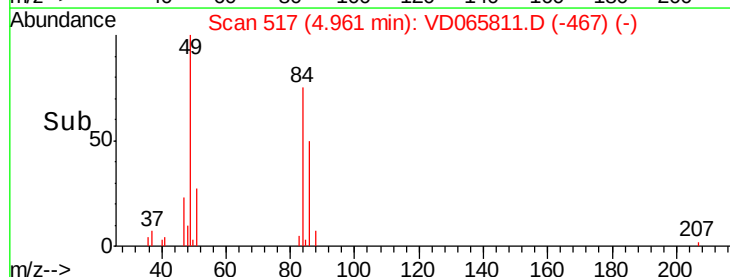
6000

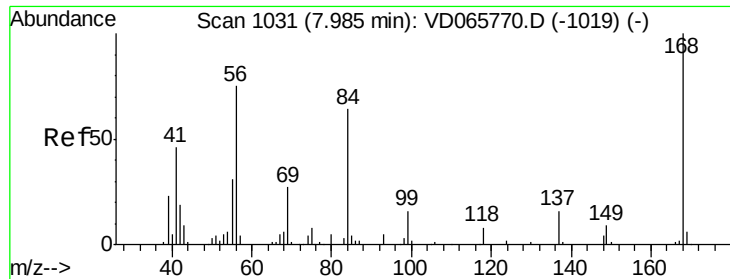
4000

2000

0

Time-->

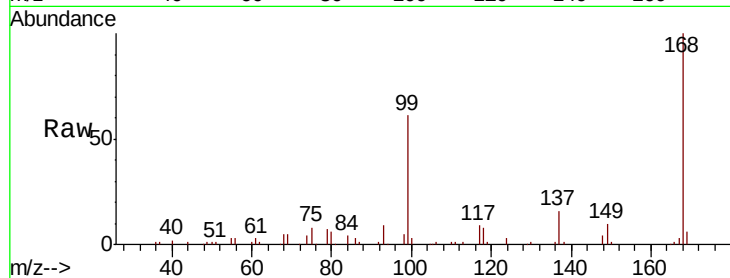




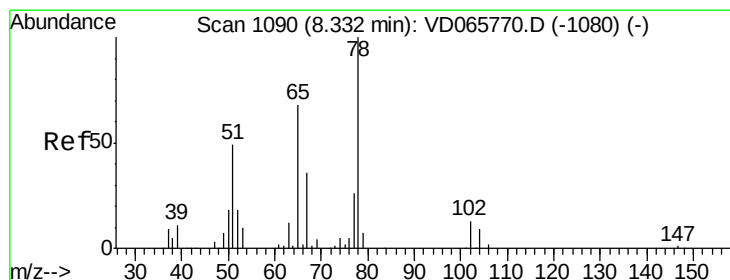
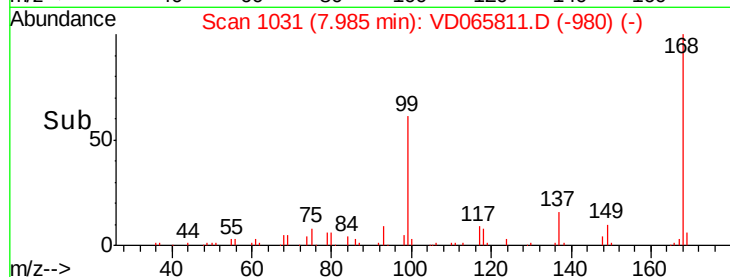
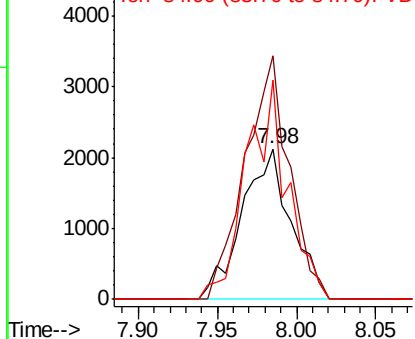
#31
Cyclohexane
Concen: 1.636 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065811.D
Acq: 18 Jun 2020 16:34

Instrument :
MSVOA_D
ClientSampleId :
RO-21

Tot Ion: 56 Resp: 4558
Ion Ratio Lower Upper
56 100
69 161.5 28.5 42.7#
84 145.3 68.4 102.6#

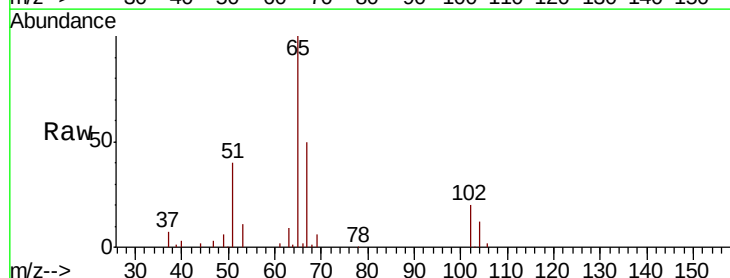


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

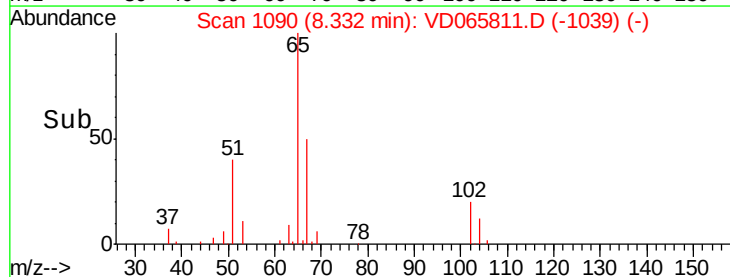
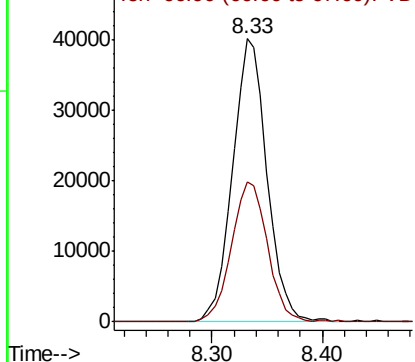


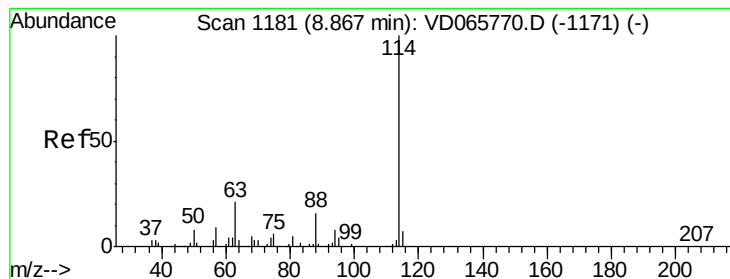
#33
1,2-Dichloroethane-d4
Concen: 56.285 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065811.D
Acq: 18 Jun 2020 16:34

Tgt Ion: 65 Resp: 87441
Ion Ratio Lower Upper
65 100
67 51.6 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: VD065811.D

Acq: 18 Jun 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

RO-21

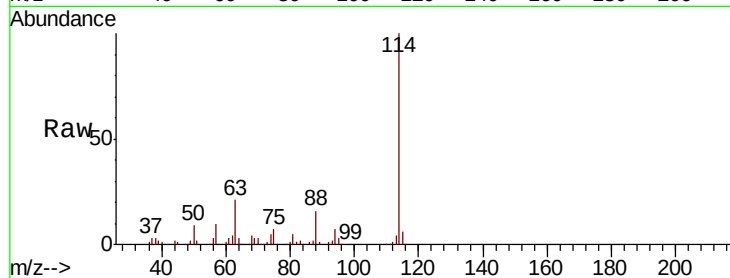
Tot Ion:114 Resp: 268925

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.8

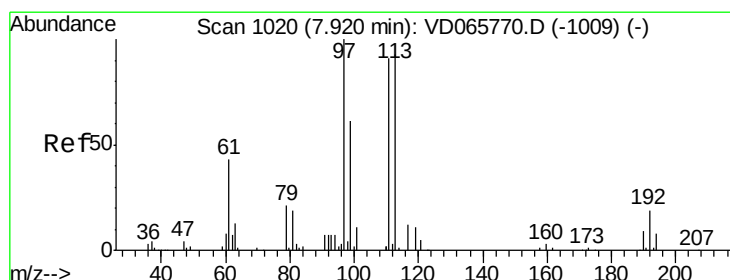
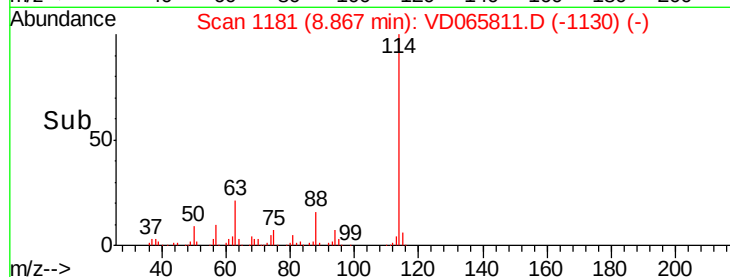
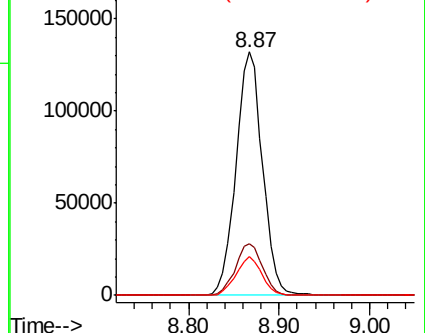
88 15.9 0.0 32.0



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: 49.490 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065811.D

Acq: 18 Jun 2020 16:34

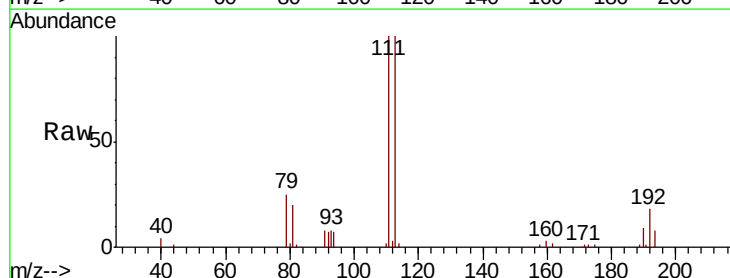
Tgt Ion:113 Resp: 84068

Ion Ratio Lower Upper

113 100

111 105.4 83.4 125.0

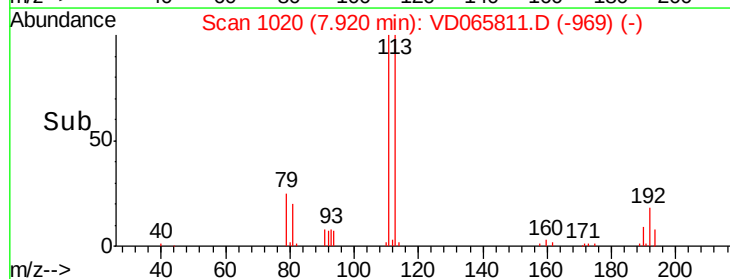
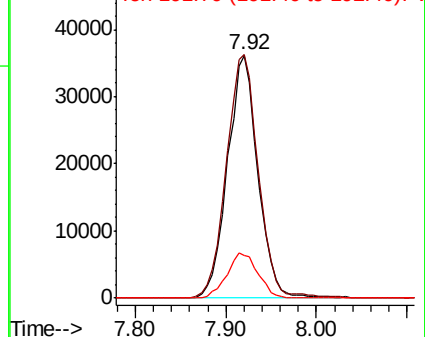
192 18.9 15.7 23.5

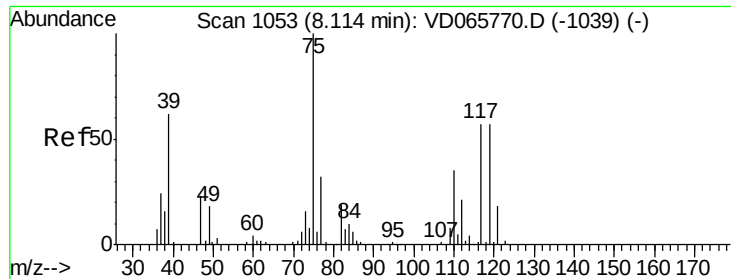


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

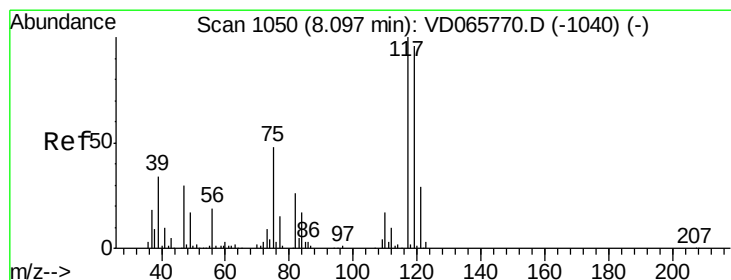
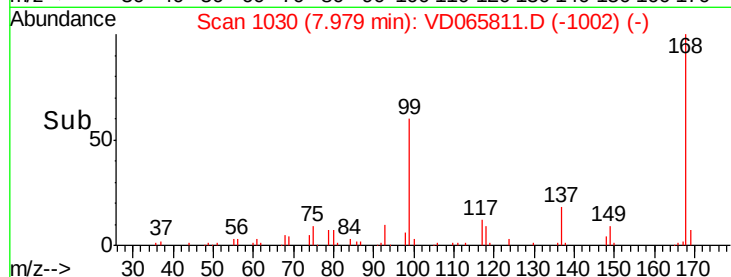
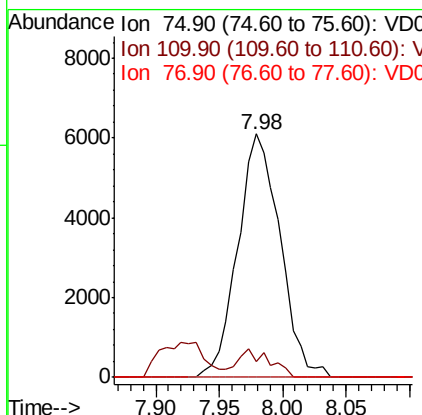
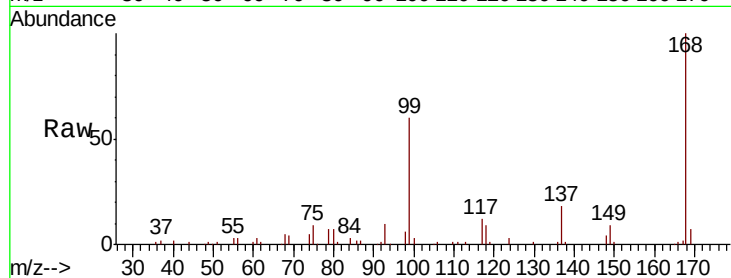




#36
 1,1-Dichloropropene
 Concen: 5.486 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065811.D
 Acq: 18 Jun 2020 16:34

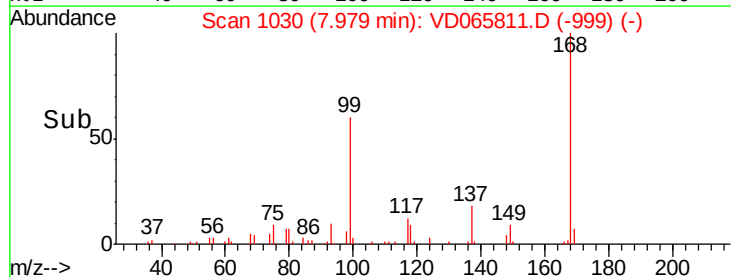
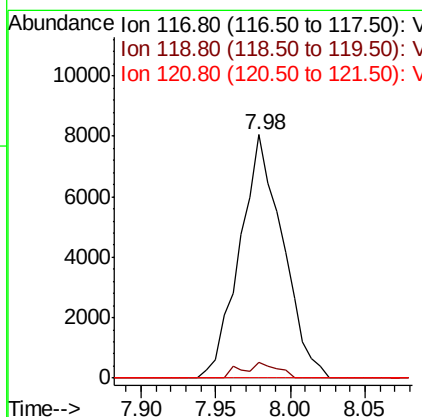
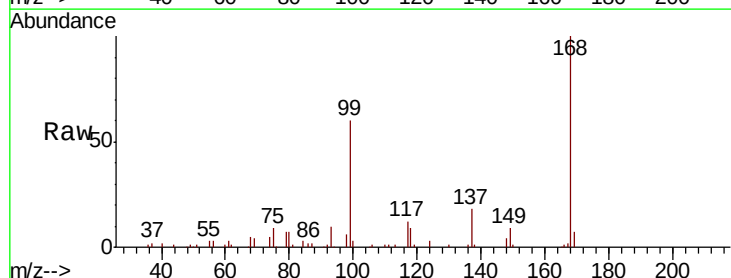
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-21

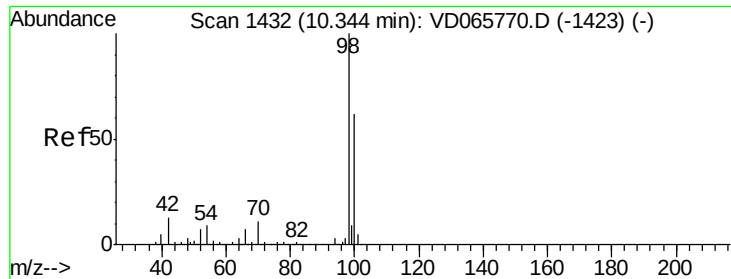
Tot Ion: 75 Resp: 14132
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.6 52.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.927 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065811.D
 Acq: 18 Jun 2020 16:34

Tgt Ion: 117 Resp: 16068
 Ion Ratio Lower Upper
 117 100
 119 6.5 76.8 115.2#
 121 0.0 23.4 35.2#





#50

Toluene-d8

Concen: 47.067 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065811.D

Acq: 18 Jun 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

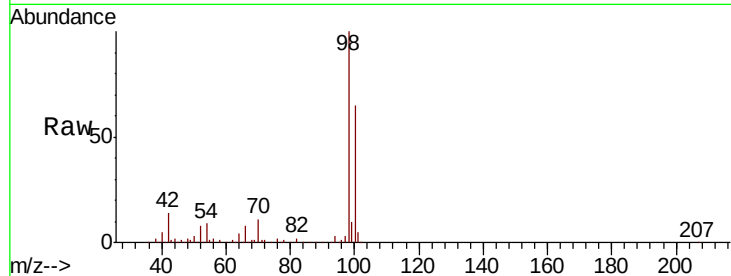
RO-21

Tot Ion: 98 Resp: 298130

Ion Ratio Lower Upper

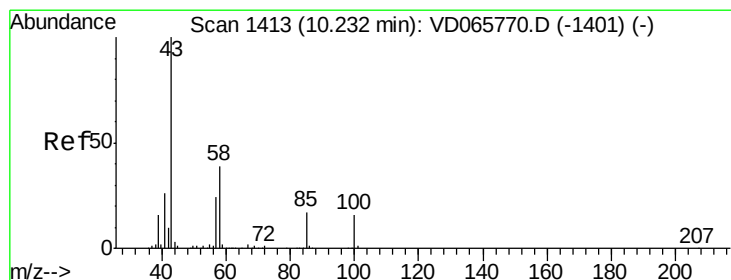
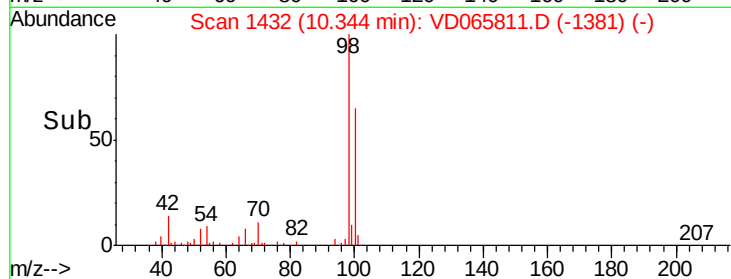
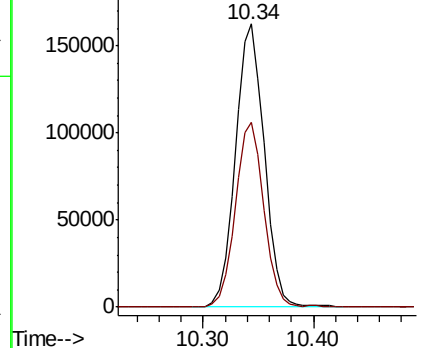
98 100

100 64.3 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: 1.504 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065811.D

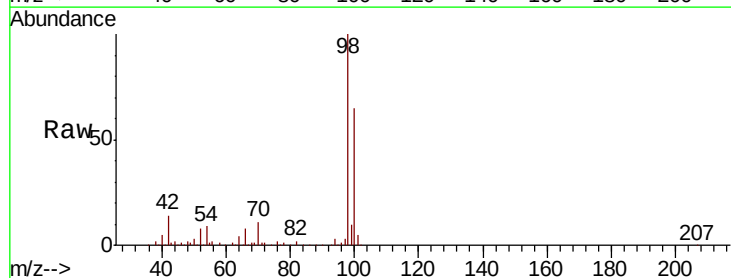
Acq: 18 Jun 2020 16:34

Tgt Ion: 43 Resp: 1487

Ion Ratio Lower Upper

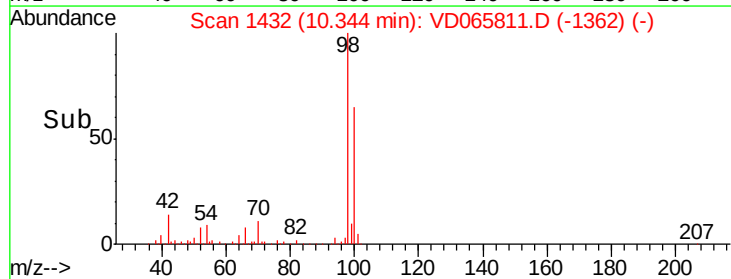
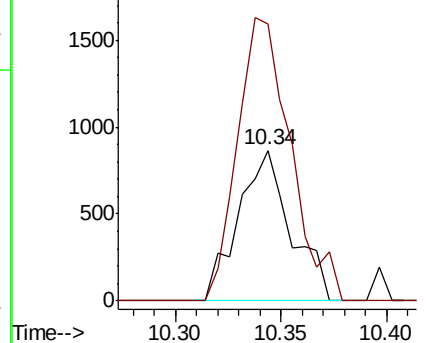
43 100

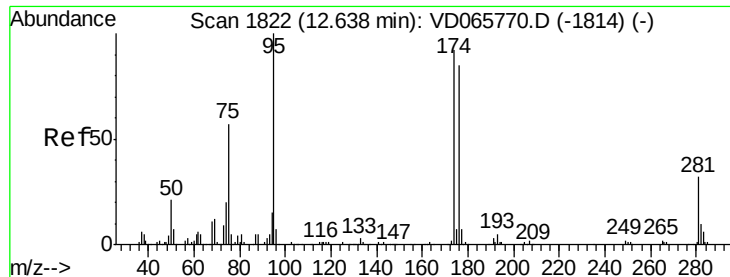
58 191.1 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

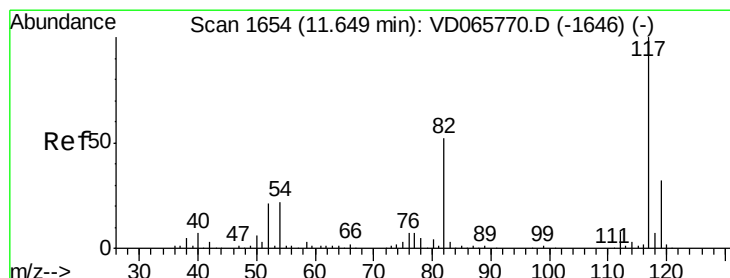
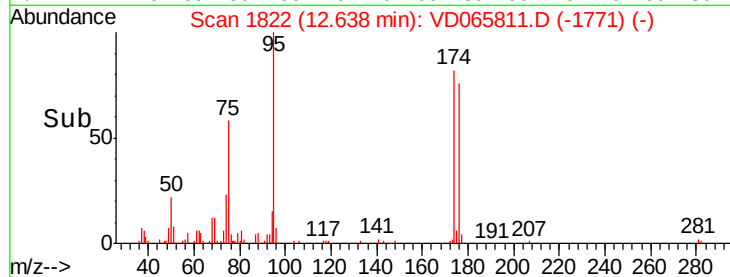
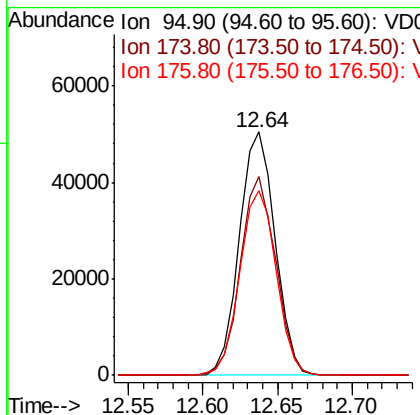
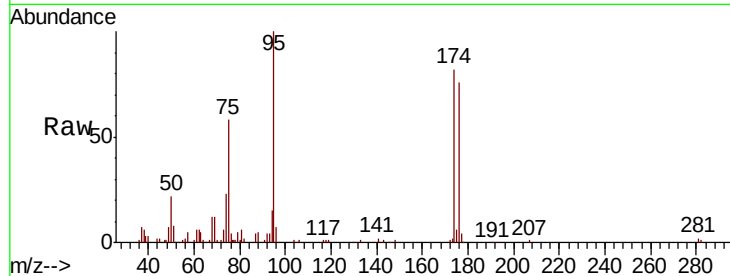




#62
4-Bromofluorobenzene
Concen: 39.027 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065811.D
Acq: 18 Jun 2020 16:34

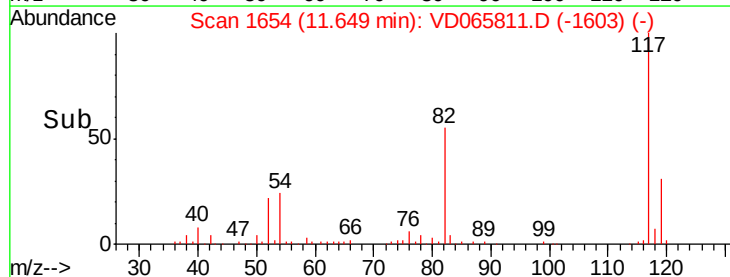
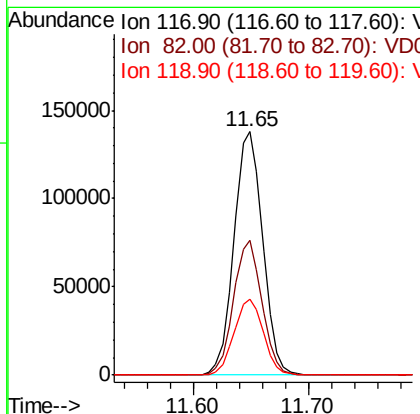
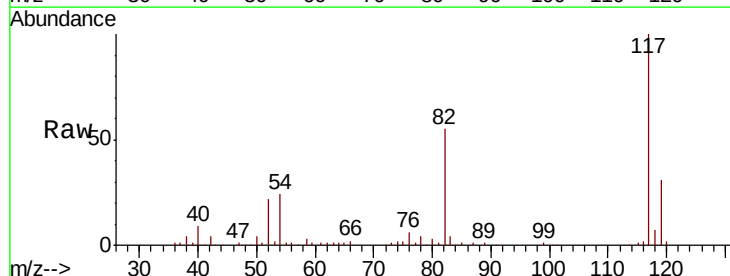
Instrument :
MSVOA_D
ClientSampleId :
RO-21

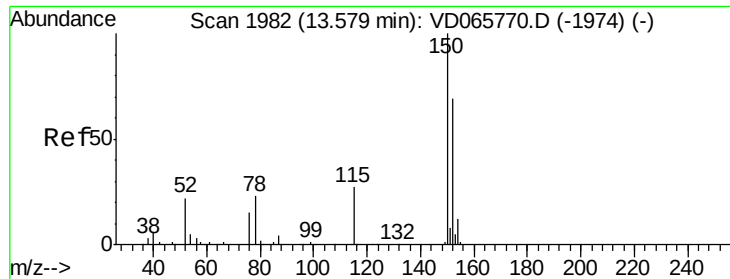
Tot Ion: 95 Resp: 83836
Ion Ratio Lower Upper
95 100
174 80.6 0.0 175.2
176 77.0 0.0 163.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065811.D
Acq: 18 Jun 2020 16:34

Tgt Ion: 117 Resp: 237576
Ion Ratio Lower Upper
117 100
82 55.3 41.9 62.9
119 31.4 25.3 37.9



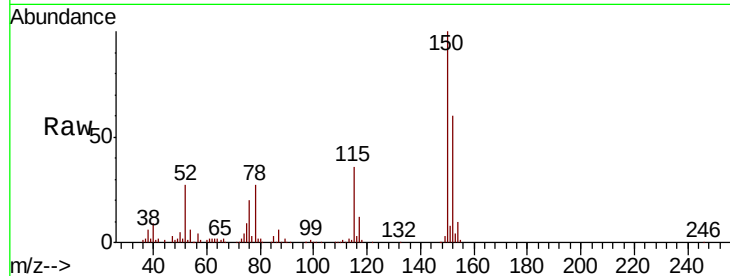


#72

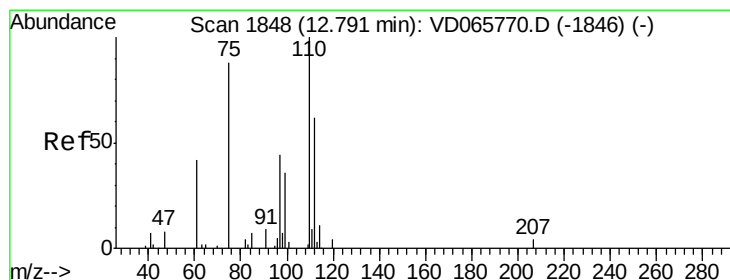
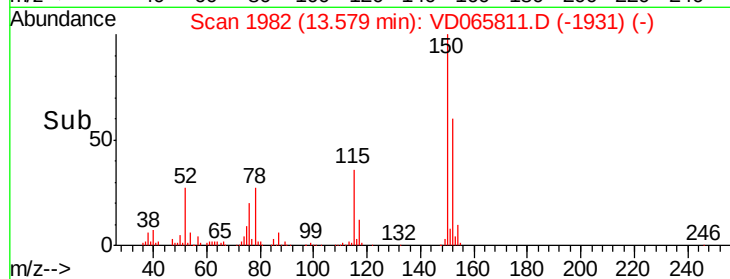
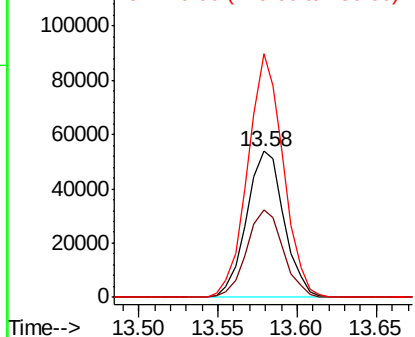
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065811.D
Acq: 18 Jun 2020 16:34

Instrument :
MSVOA_D
ClientSampleId :
RO-21

Tot Ion:152 Resp: 88208
Ion Ratio Lower Upper
152 100
115 59.0 28.7 86.1
150 158.4 0.0 348.0



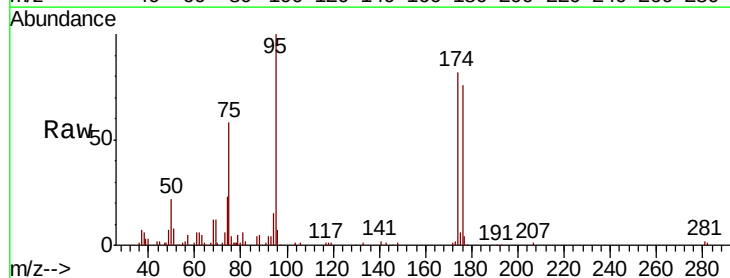
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



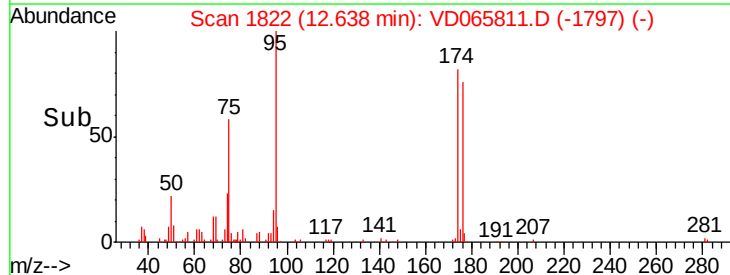
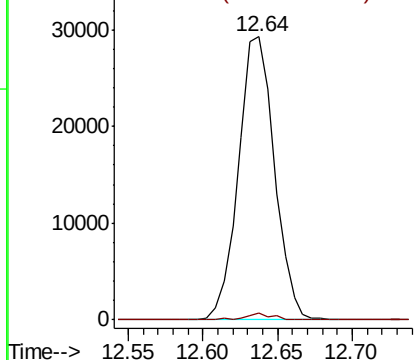
#76

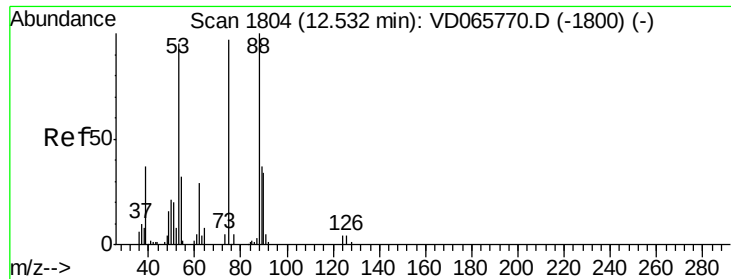
1,2,3-Trichloropropane
Concen: 71.447 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065811.D
Acq: 18 Jun 2020 16:34

Tgt Ion: 75 Resp: 49013
Ion Ratio Lower Upper
75 100
77 1.7 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: 154.370 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD065811.D
 Acq: 18 Jun 2020 16:34

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-21

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.2	82.6	123.8#
89	0.0	35.9	53.9#

