

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061920\
 Data File : VD065829.D
 Acq On : 19 Jun 2020 15:32
 Operator : VA/SY
 Sample : L3024-01RE
 Misc : 7.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-21

Quant Time: Jun 20 01:26:12 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	152262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	260522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	228835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	90312	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	81120	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
35) Dibromofluoromethane	7.92	113	80063	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.34	98	283074	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.64	95	79026	37.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.94%	

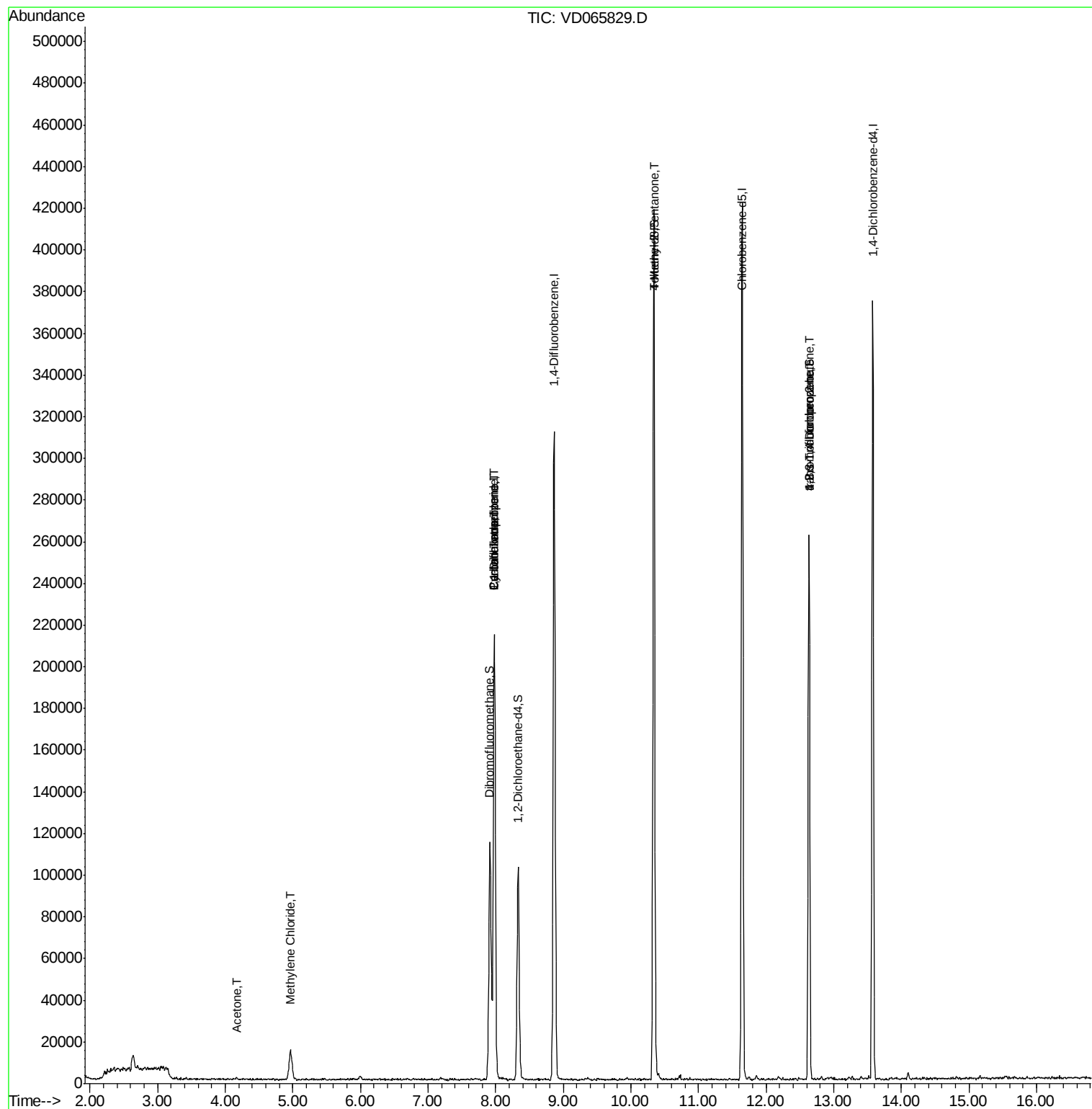
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	206	Below Cal	#	42
3) Chloromethane	2.21	50	273	Below Cal	#	43
11) Tert butyl alcohol	5.20	59	54	Below Cal	#	74
16) Acetone	4.17	43	740	2.607	ug/l #	64
18) Methyl Acetate	4.73	43	127	Below Cal	#	52
20) Methylene Chloride	4.96	84	10267	2.593	ug/l #	88
31) Cyclohexane	7.97	56	4302	1.594	ug/l #	47
36) 1,1-Dichloropropene	7.98	75	13885	5.564	ug/l #	48
38) Carbon Tetrachloride	7.98	117	15588	5.935	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	1455	1.519	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	45653	64.999	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	45653	140.437	ug/l #	9

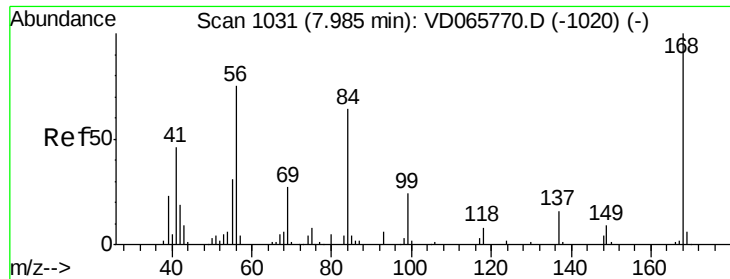
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD061920\
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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# 1030

Delta R.T. -0.01 min

Lab File: VD065829.D

Acq: 19 Jun 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

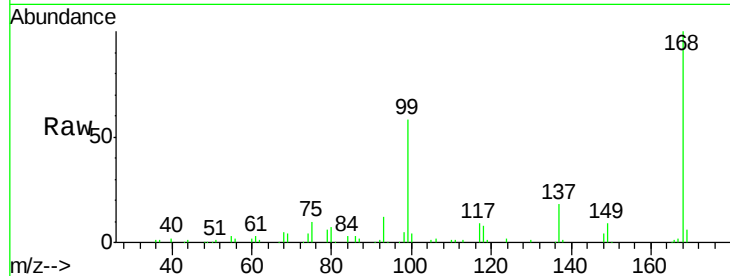
RO-21

Tgt Ion:168 Resp: 152262

Ion Ratio Lower Upper

168 100

99 57.6 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

80000

60000

40000

20000

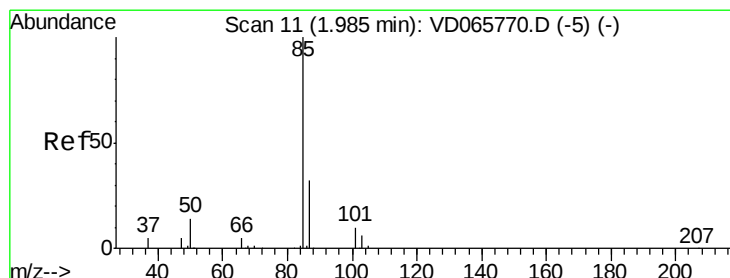
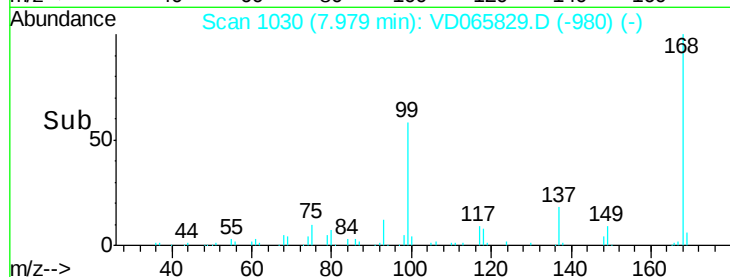
0

Time-->

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065829.D

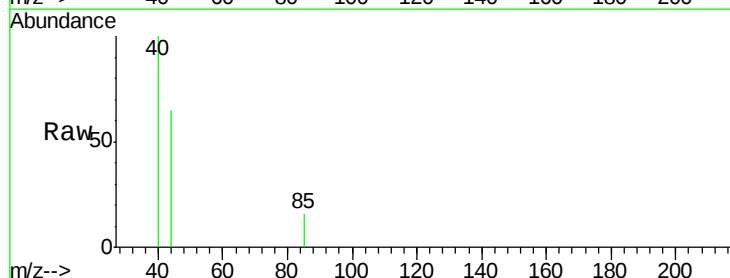
Acq: 19 Jun 2020 15:32

Tgt Ion: 85 Resp: 206

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

1.99

250

200

150

100

50

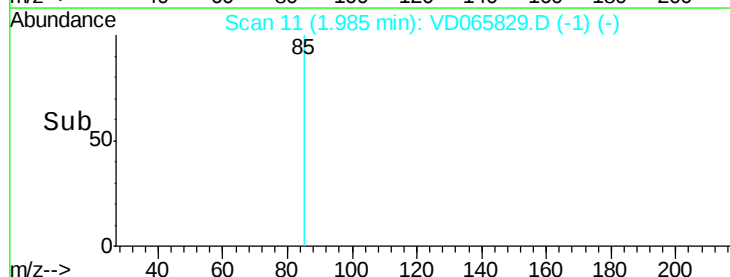
0

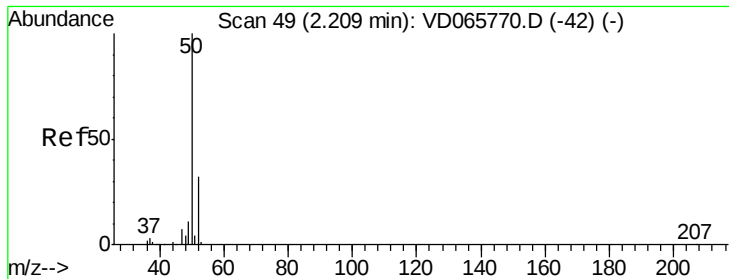
Time-->

1.96

1.98

2.00





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065829.D

Acq: 19 Jun 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

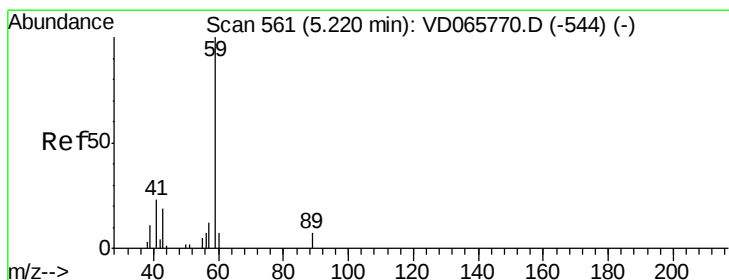
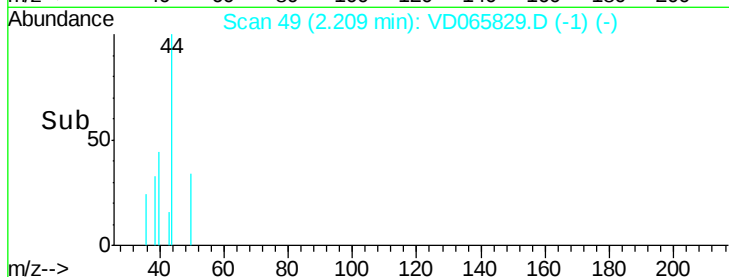
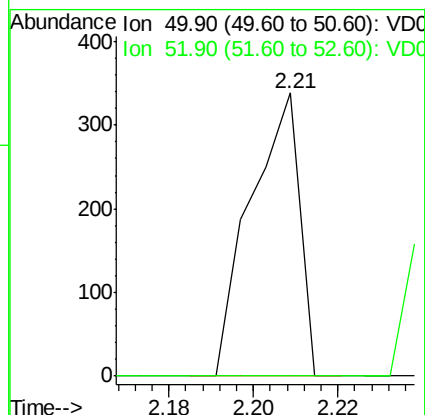
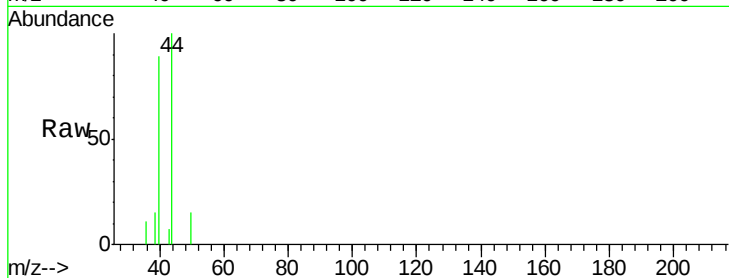
RO-21

Tgt Ion: 50 Resp: 273

Ion Ratio Lower Upper

50 100

52 0.0 25.6 38.4#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD065829.D

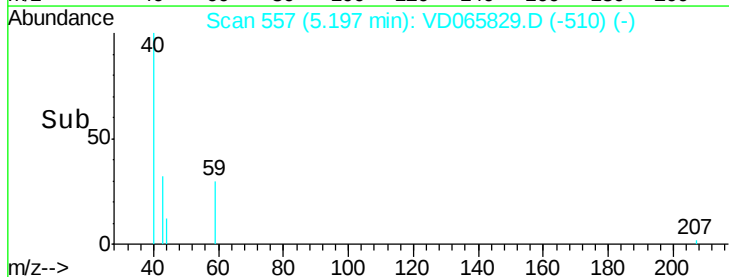
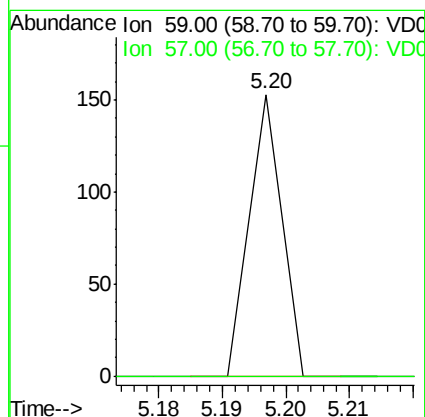
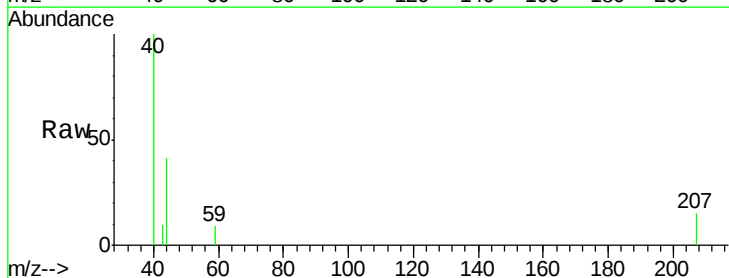
Acq: 19 Jun 2020 15:32

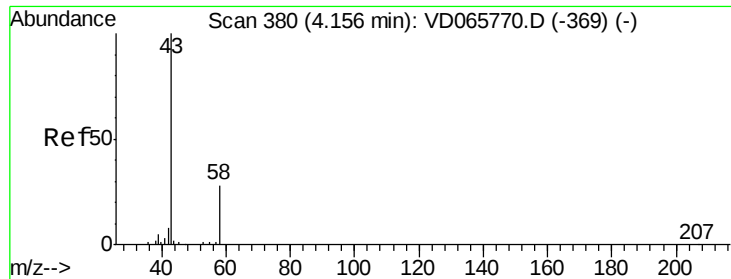
Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#





#16

Acetone

Concen: 2.607 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065829.D

Acq: 19 Jun 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

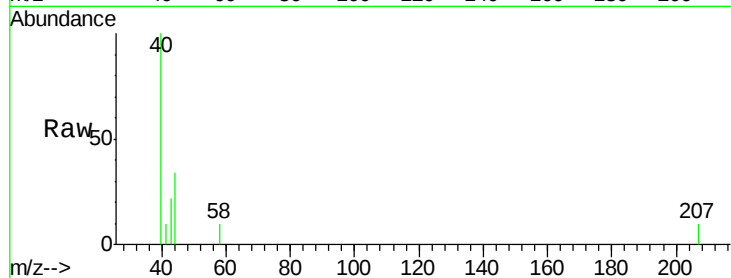
RO-21

Tgt Ion: 43 Resp: 740

Ion Ratio Lower Upper

43 100

58 46.8 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

400

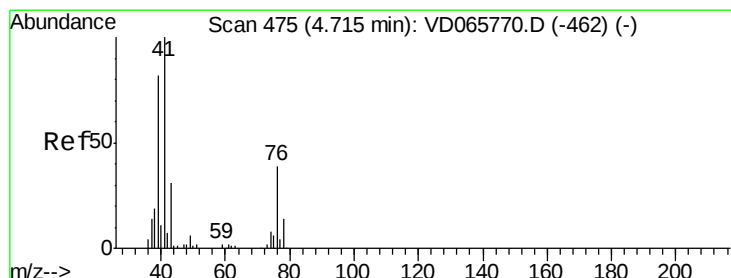
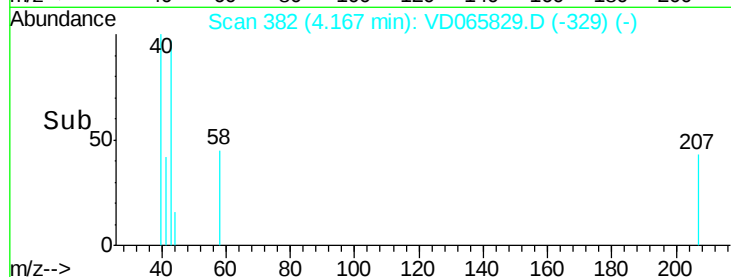
300

200

100

0

Time--> 4.10 4.15 4.20



#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065829.D

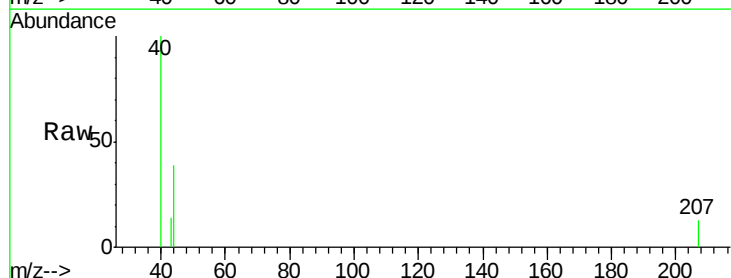
Acq: 19 Jun 2020 15:32

Tgt Ion: 43 Resp: 127

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

4.73

200

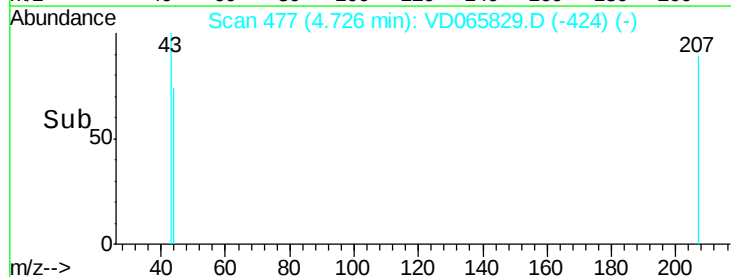
150

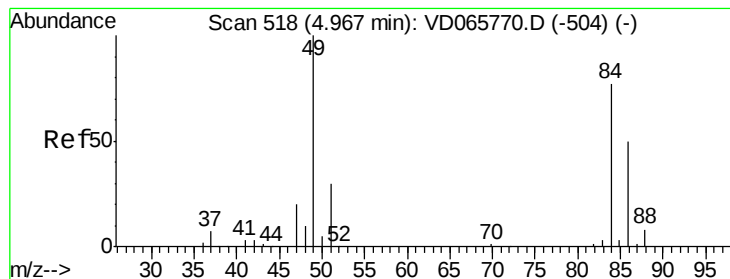
100

50

0

Time--> 4.70 4.72 4.74





#20

Methylene Chloride

Concen: 2.593 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065829.D

Acq: 19 Jun 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

RO-21

Tgt Ion: 84 Resp: 10267

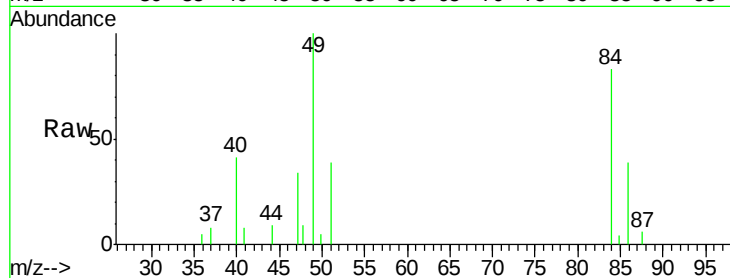
Ion Ratio Lower Upper

84 100

49 121.0 103.4 155.0

51 47.0 31.4 47.2

86 47.6 51.7 77.5#

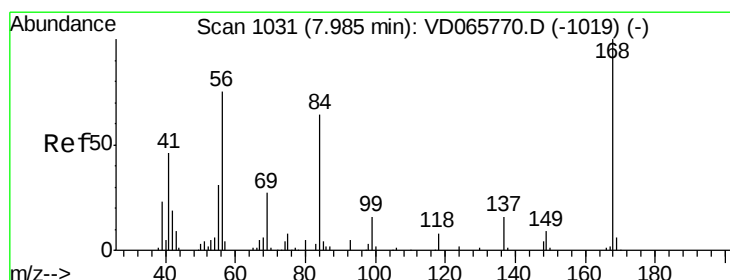
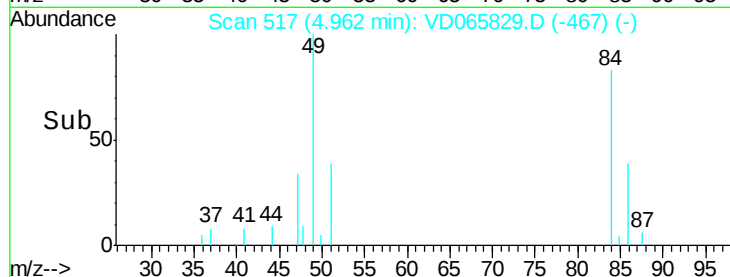
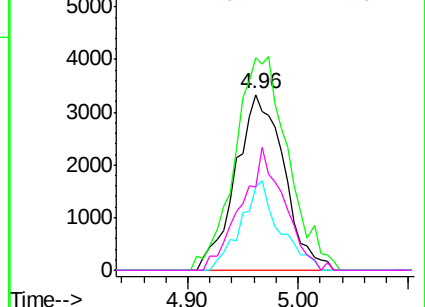


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.594 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD065829.D

Acq: 19 Jun 2020 15:32

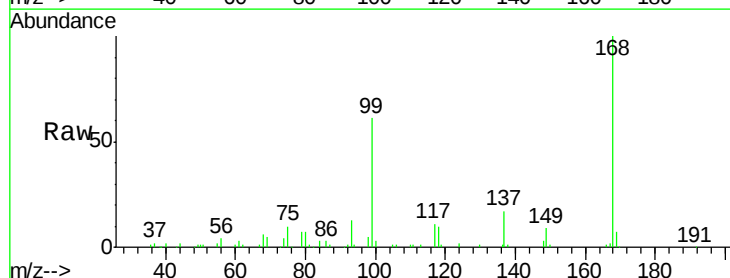
Tgt Ion: 56 Resp: 4302

Ion Ratio Lower Upper

56 100

69 126.7 28.5 42.7#

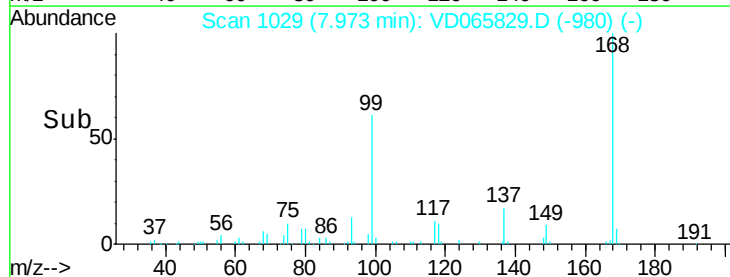
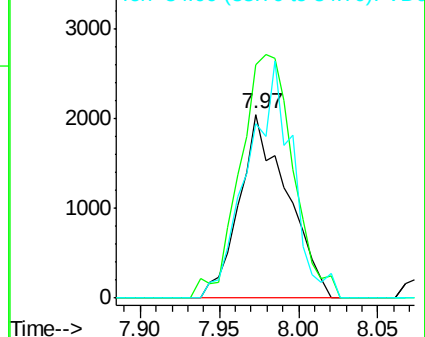
84 94.9 68.4 102.6

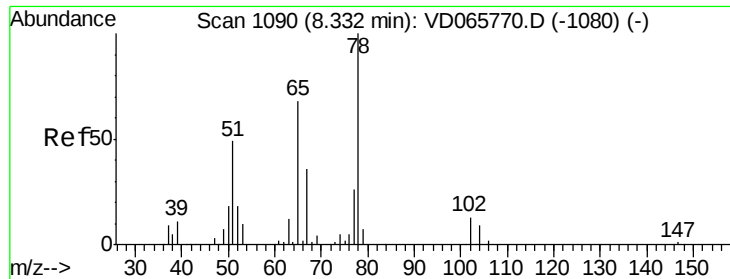


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

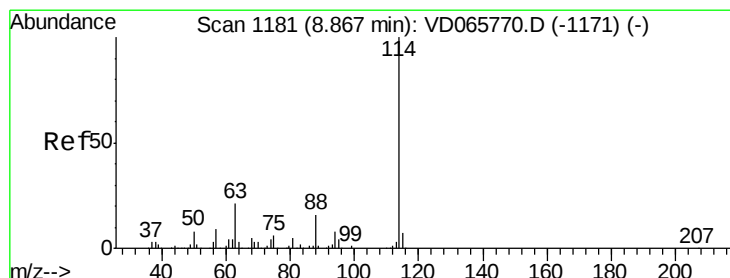
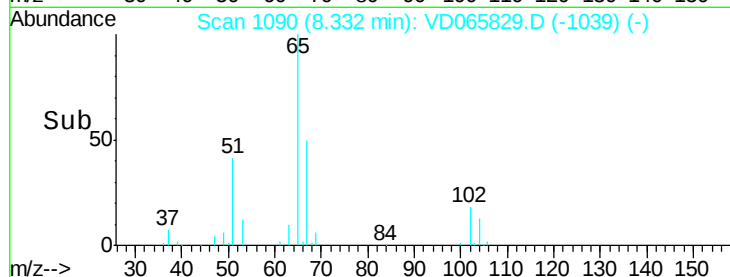
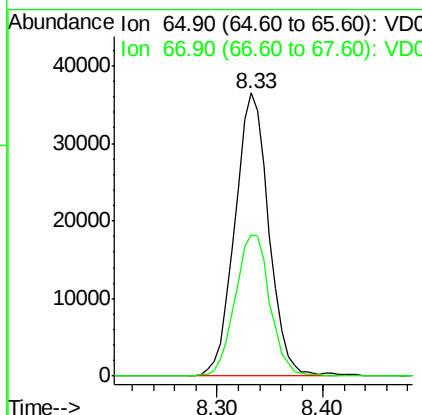
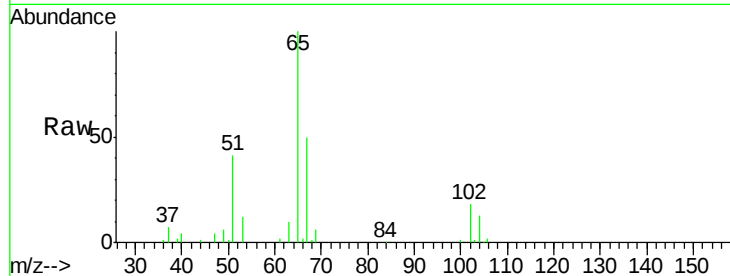




#33
 1,2-Dichloroethane-d4
 Concen: 53.916 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065829.D
 Acq: 19 Jun 2020 15:32

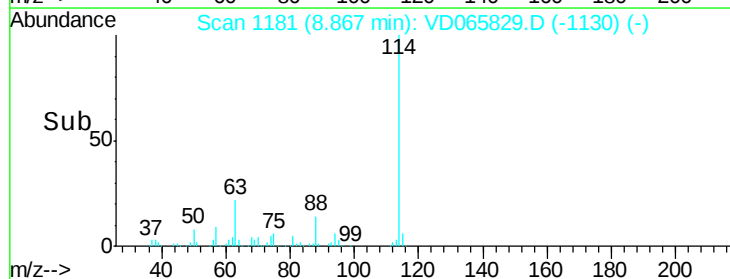
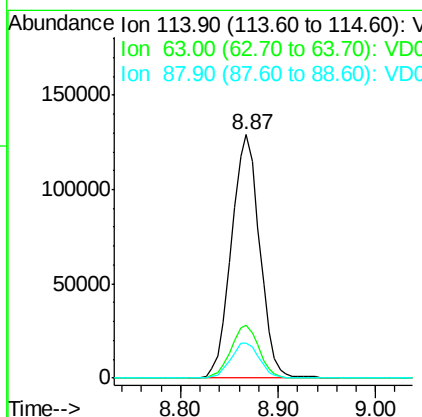
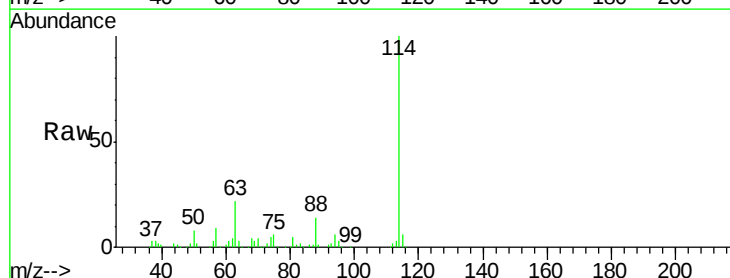
Instrument :
 MSVOA_D
 ClientSampled :
 RO-21

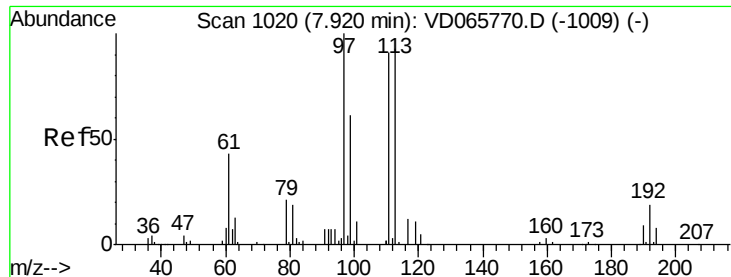
Tgt Ion: 65 Resp: 81120
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065829.D
 Acq: 19 Jun 2020 15:32

Tgt Ion: 114 Resp: 260522
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 41.8
 88 14.1 0.0 32.0

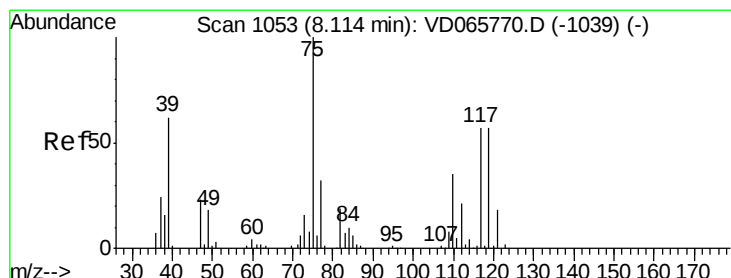
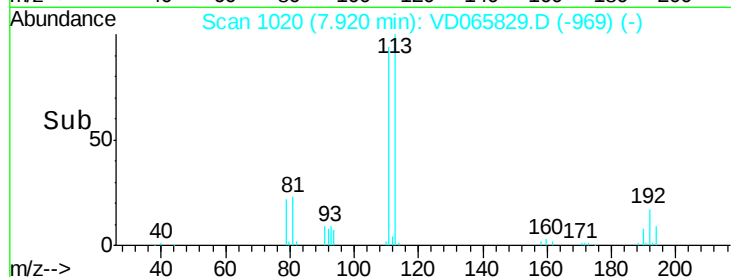
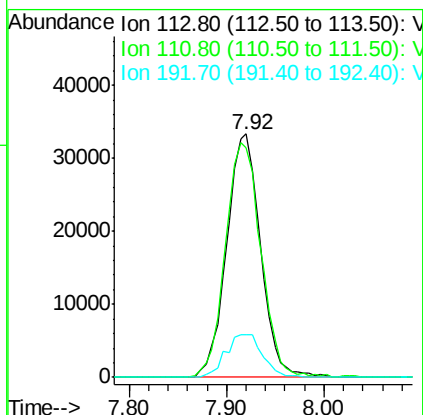
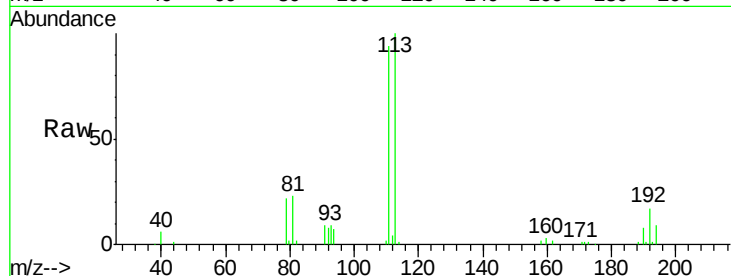




#35
 Dibromofluoromethane
 Concen: 48.652 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065829.D
 Acq: 19 Jun 2020 15:32

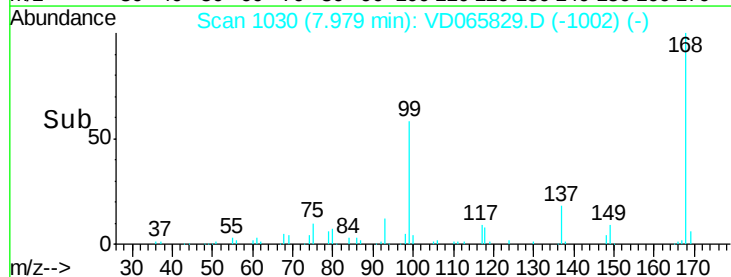
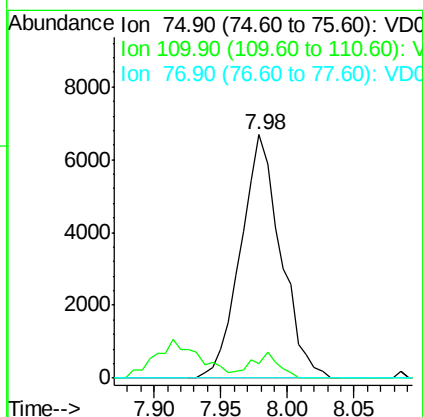
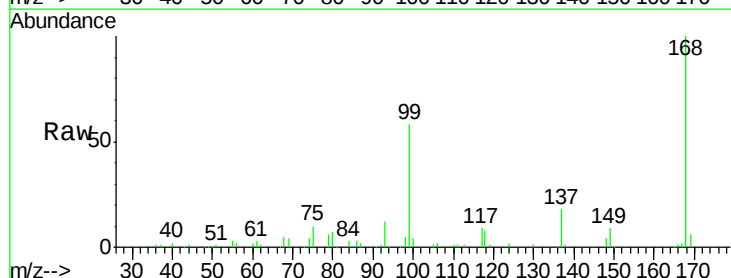
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-21

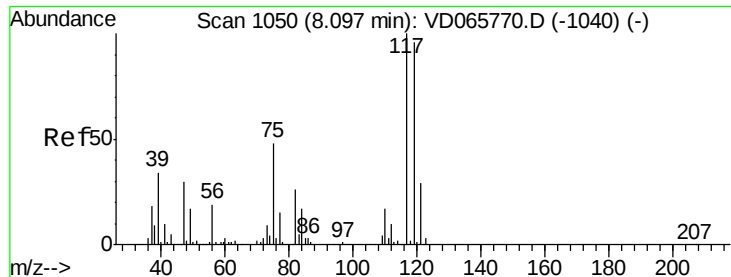
Tgt Ion: 113 Resp: 80063
 Ion Ratio Lower Upper
 113 100
 111 101.2 83.4 125.0
 192 19.0 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 5.564 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065829.D
 Acq: 19 Jun 2020 15:32

Tgt Ion: 75 Resp: 13885
 Ion Ratio Lower Upper
 75 100
 110 7.4 17.6 52.8#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.935 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065829.D

Acq: 19 Jun 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

RO-21

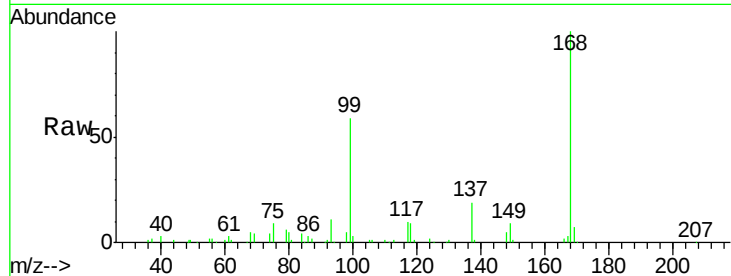
Tgt Ion:117 Resp: 15588

Ion Ratio Lower Upper

117 100

119 7.3 76.8 115.2#

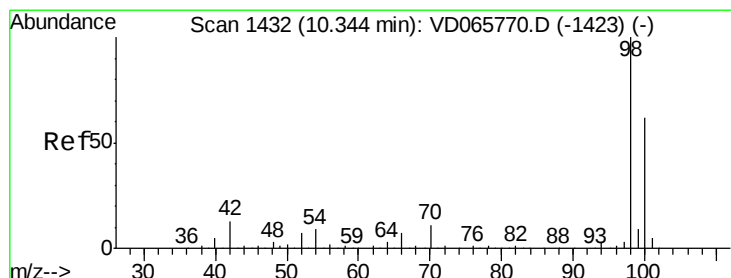
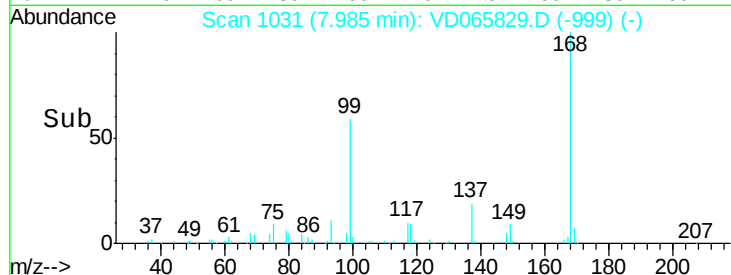
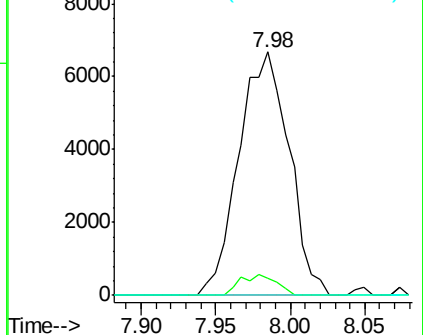
121 0.0 23.4 35.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 46.131 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065829.D

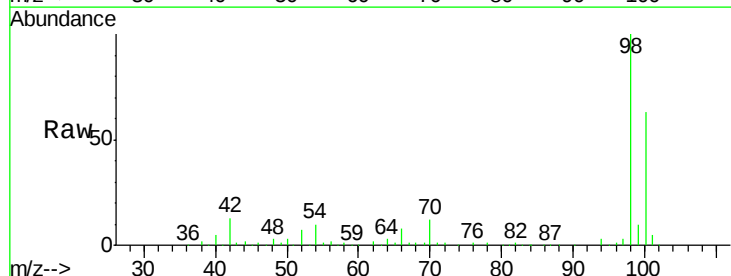
Acq: 19 Jun 2020 15:32

Tgt Ion: 98 Resp: 283074

Ion Ratio Lower Upper

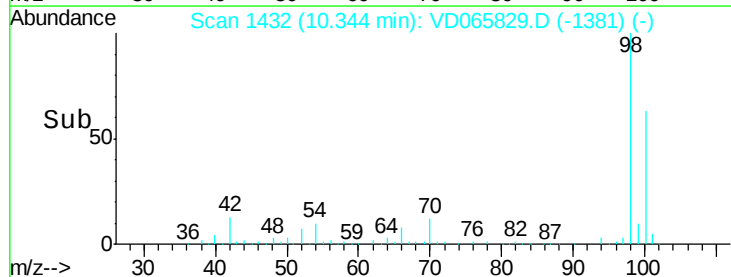
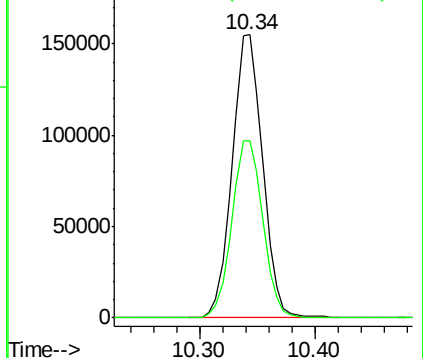
98 100

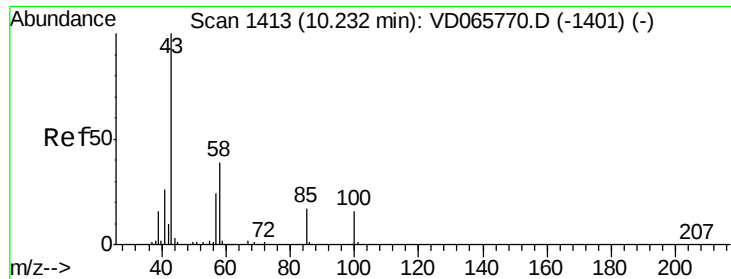
100 63.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

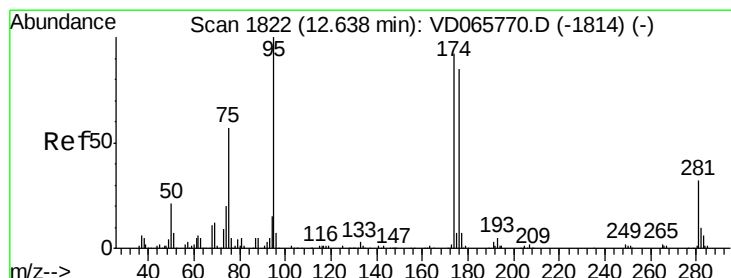
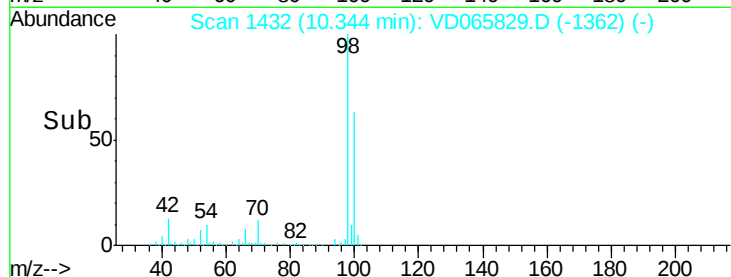
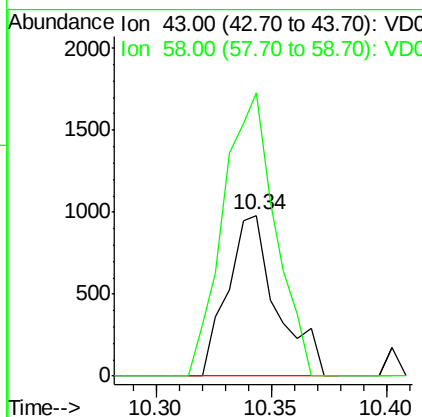
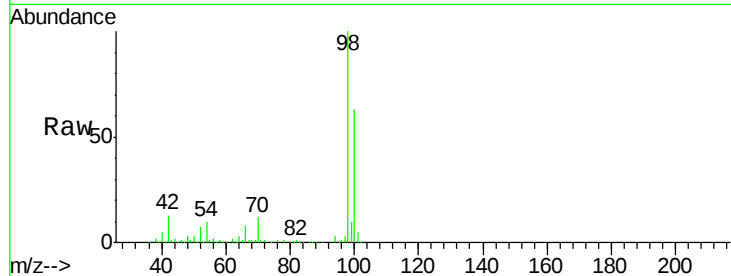




#51
4-Methyl-2-Pentanone
Concen: 1.519 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065829.D
Acq: 19 Jun 2020 15:32

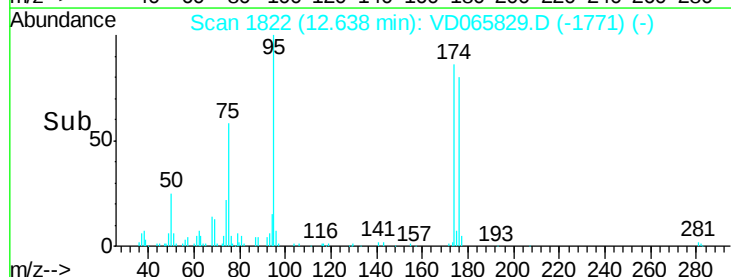
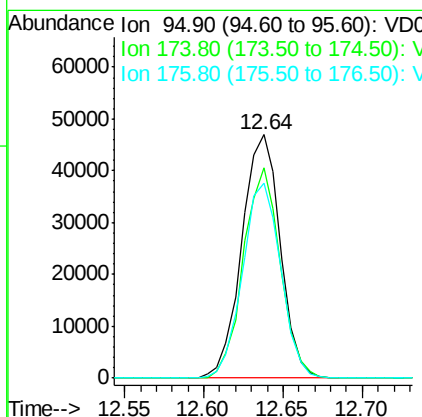
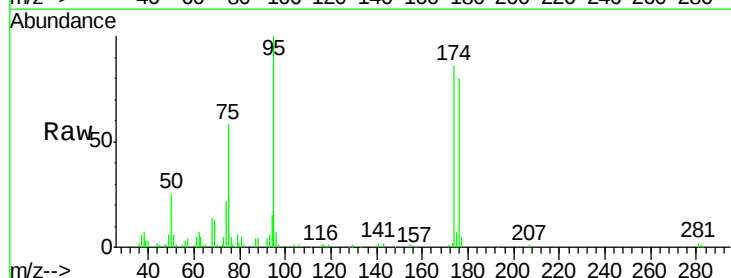
Instrument :
MSVOA_D
ClientSampleId :
RO-21

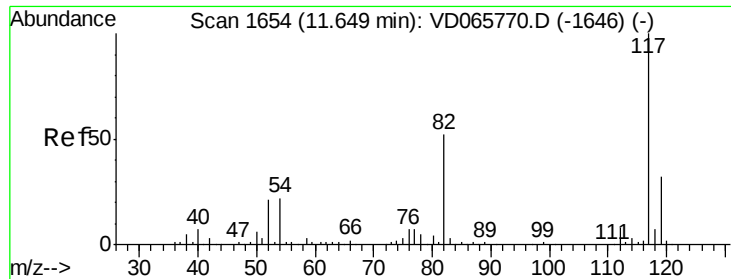
Tgt Ion: 43 Resp: 1455
Ion Ratio Lower Upper
43 100
58 185.8 30.7 46.1#



#62
4-Bromofluorobenzene
Concen: 37.974 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065829.D
Acq: 19 Jun 2020 15:32

Tgt Ion: 95 Resp: 79026
Ion Ratio Lower Upper
95 100
174 83.0 0.0 175.2
176 79.6 0.0 163.0

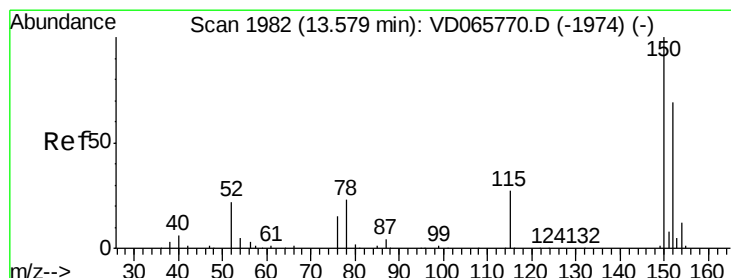
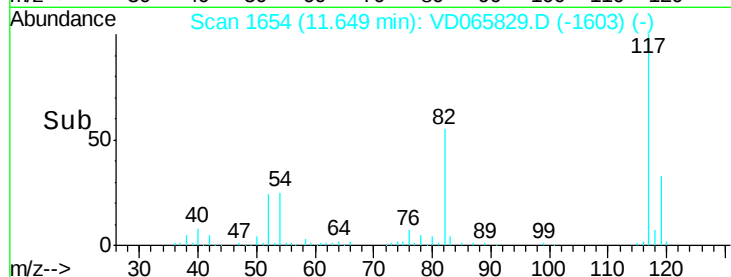
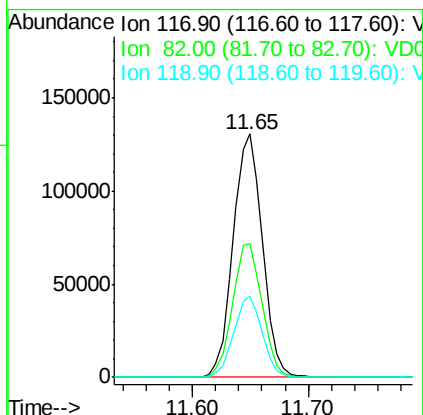
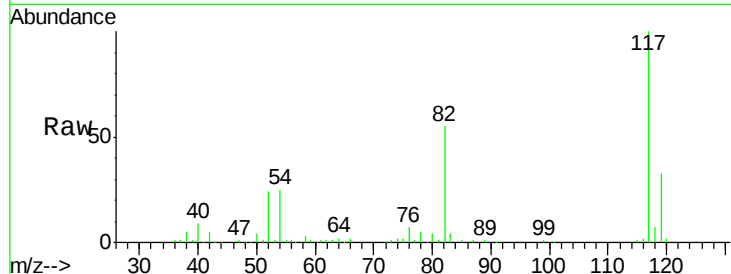




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065829.D
Acq: 19 Jun 2020 15:32

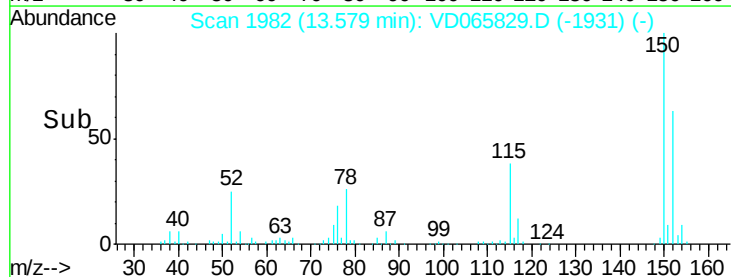
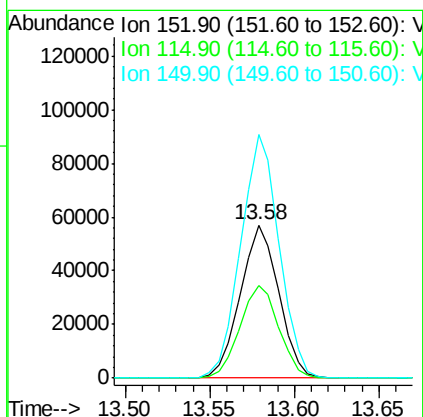
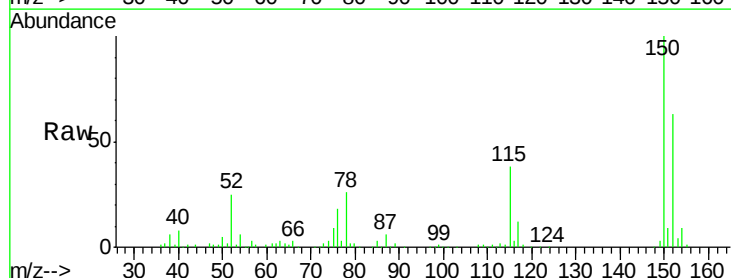
Instrument :
MSVOA_D
ClientSampleId :
RO-21

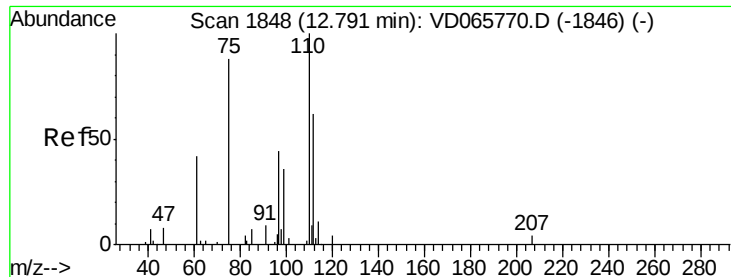
Tgt Ion:117 Resp: 228835
Ion Ratio Lower Upper
117 100
82 54.6 41.9 62.9
119 33.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065829.D
Acq: 19 Jun 2020 15:32

Tgt Ion:152 Resp: 90312
Ion Ratio Lower Upper
152 100
115 61.4 28.7 86.1
150 159.0 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 64.999 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065829.D

Acq: 19 Jun 2020 15:32

Instrument :

MSVOA_D

ClientSampled :

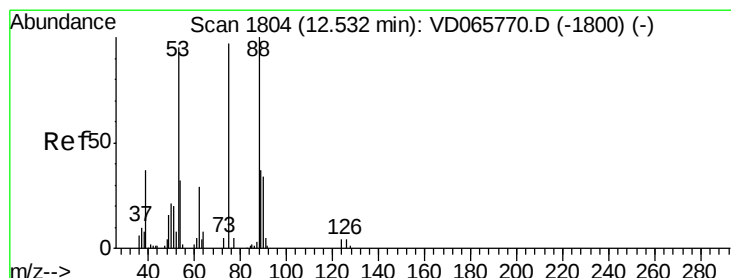
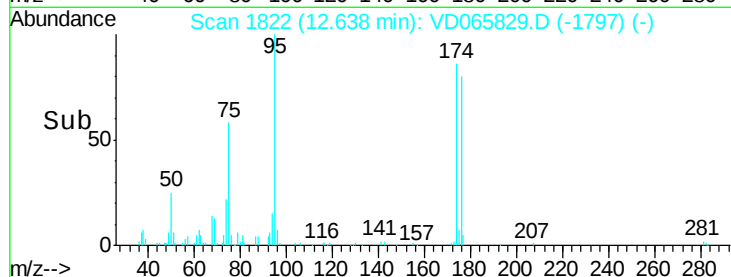
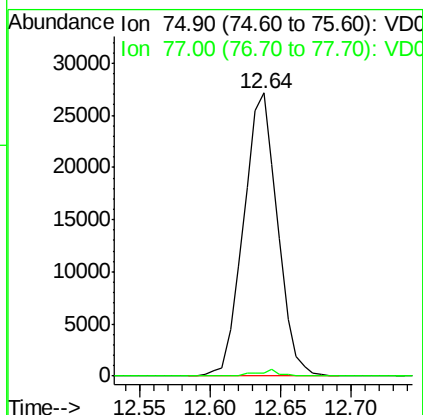
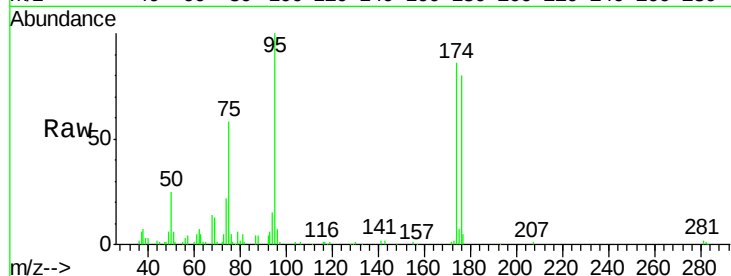
RO-21

Tgt Ion: 75 Resp: 45653

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.437 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065829.D

Acq: 19 Jun 2020 15:32

Tgt Ion: 75 Resp: 45653

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.0 35.9 53.9#

