

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
 Data File : VD065901.D
 Acq On : 01 Jul 2020 11:37
 Operator : VA/SY
 Sample : VD0701SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBL01

Quant Time: Jul 02 04:40:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	149735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	260327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	232668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	103123	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	80489	51.74	ug/l	0.00
Spiked Amount						
				Recovery	=	103.48%
35) Dibromofluoromethane	7.91	113	76070	47.28	ug/l	0.00
Spiked Amount						
				Recovery	=	94.56%
50) Toluene-d8	10.34	98	264970	43.78	ug/l	0.00
Spiked Amount						
				Recovery	=	87.56%
62) 4-Bromofluorobenzene	12.64	95	85065	42.90	ug/l	0.00
Spiked Amount						
				Recovery	=	85.80%

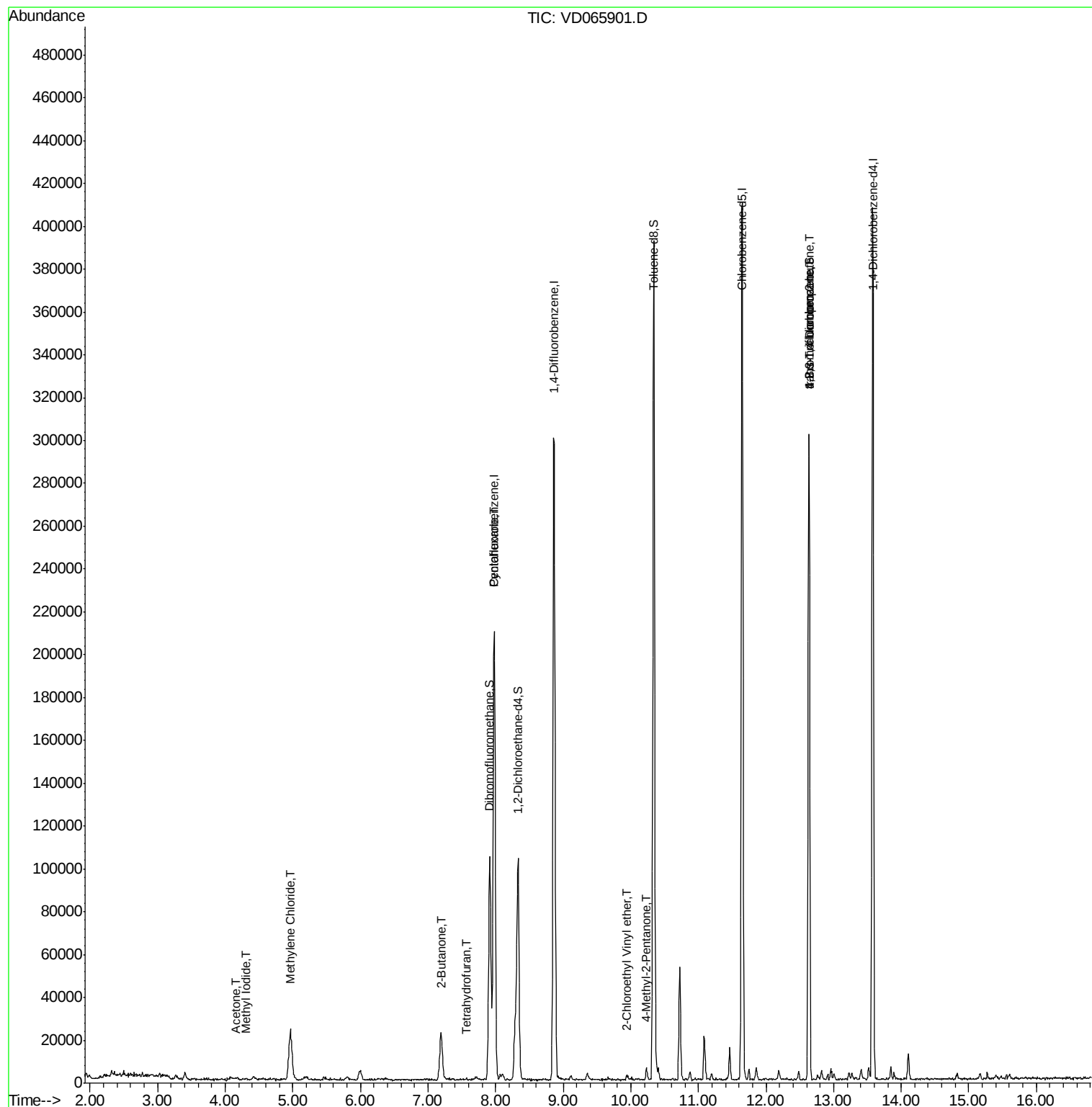
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	380	2.058	ug/l #	70
11) Tert butyl alcohol	5.24	59	65	Below Cal	#	69
16) Acetone	4.16	43	1868	6.129	ug/l #	51
20) Methylene Chloride	4.96	84	17048	5.947	ug/l #	92
25) 2-Butanone	7.20	43	1767	4.344	ug/l #	49
29) Tetrahydrofuran	7.56	42	330	1.277	ug/l #	33
31) Cyclohexane	7.99	56	4772	1.712	ug/l #	28
51) 4-Methyl-2-Pentanone	10.23	43	3365	3.471	ug/l #	91
58) 2-Chloroethyl Vinyl ether	9.94	63	1073	1.591	ug/l #	84
76) 1,2,3-Trichloropropane	12.64	75	47675	52.834	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	47675	113.507	ug/l #	9

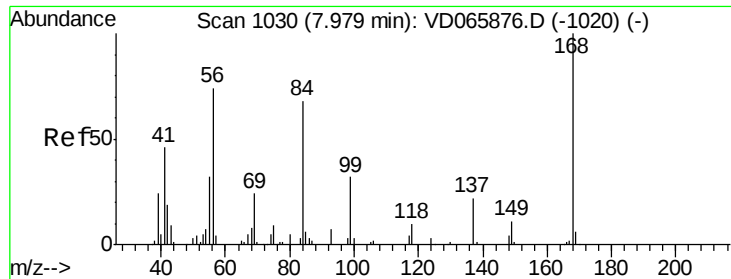
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070120\
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Quant Time: Jul 02 04:40:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 26 19:16:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065901.D

Acq: 01 Jul 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

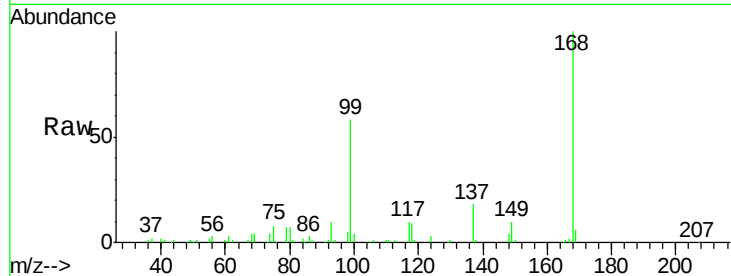
VD0701SBL01

Tot Ion:168 Resp: 149735

Ion Ratio Lower Upper

168 100

99 57.2 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

60000

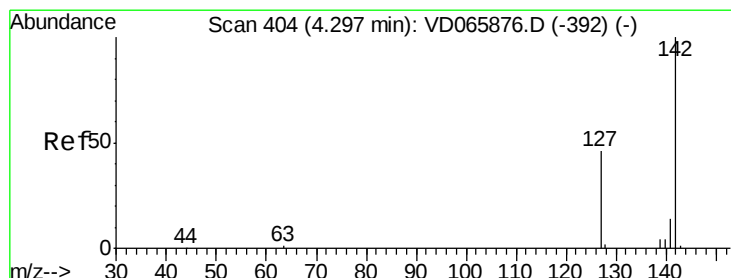
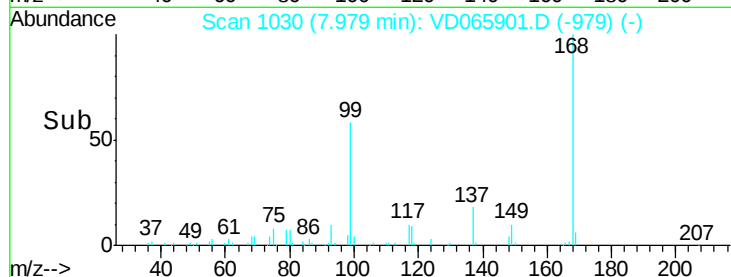
40000

20000

0

7.90 8.00 8.10

Time-->



#10

Methyl Iodide

Concen: 2.058 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065901.D

Acq: 01 Jul 2020 11:37

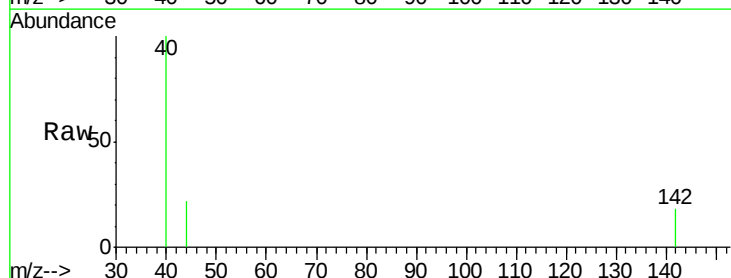
Tgt Ion:142 Resp: 380

Ion Ratio Lower Upper

142 100

127 29.5 39.0 58.6#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.30

300

250

200

150

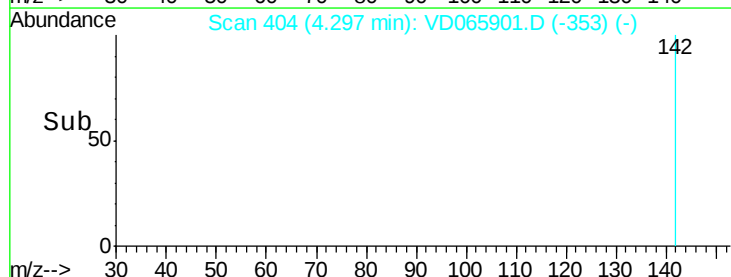
100

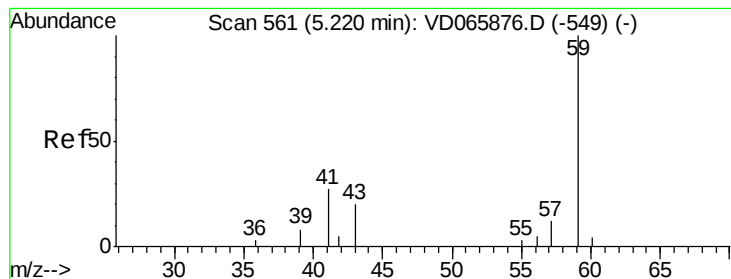
50

0

4.26 4.28 4.30 4.32 4.34

Time-->



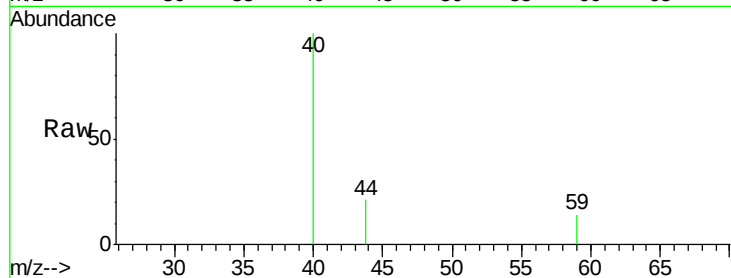


#11

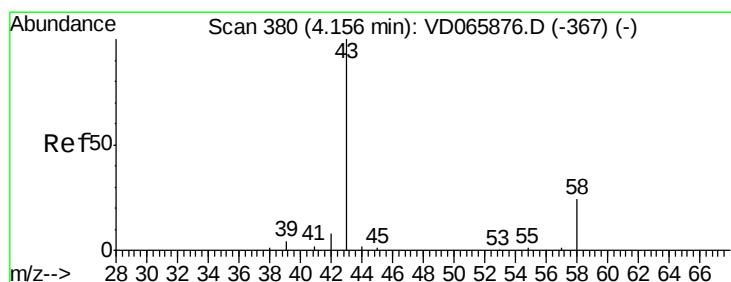
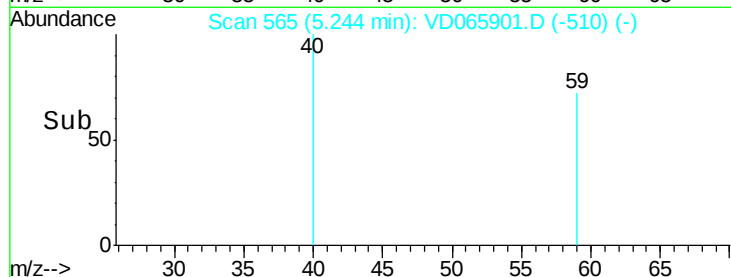
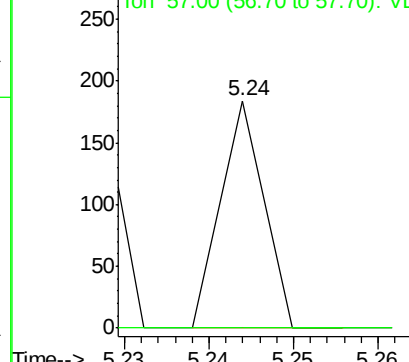
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 565
Delta R.T. 0.02 min
Lab File: VD065901.D
Acq: 01 Jul 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBL01

Tot Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 9.7 14.5#



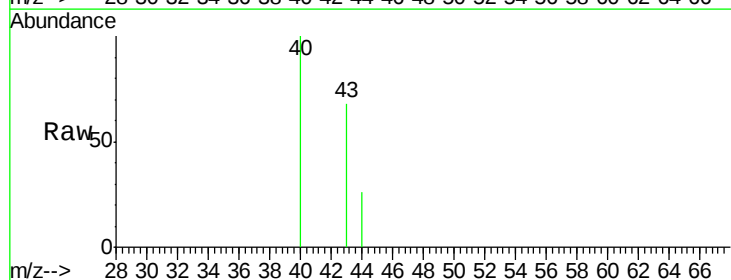
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



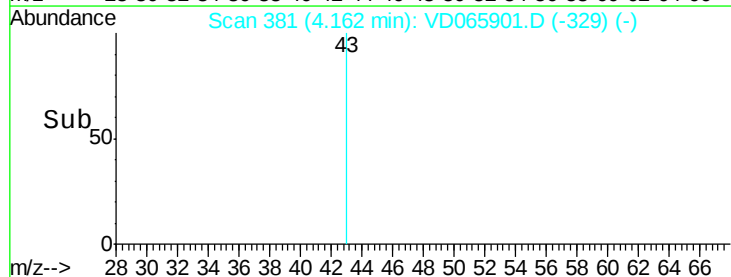
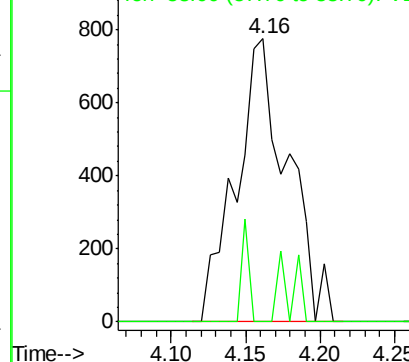
#16

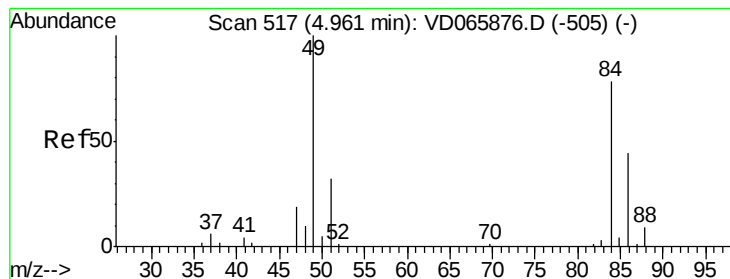
Acetone
Concen: 6.129 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD065901.D
Acq: 01 Jul 2020 11:37

Tgt Ion: 43 Resp: 1868
Ion Ratio Lower Upper
43 100
58 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#20

Methvlene Chloride

Concen: 5.947 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065901.D

Acq: 01 Jul 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBL01

Tot Ion: 84 Resp: 17048

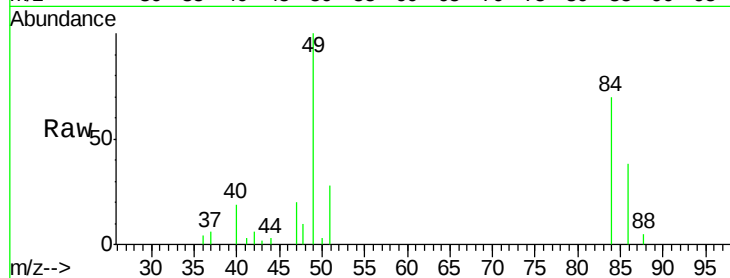
Ion Ratio Lower Upper

84 100

49 143.8 103.0 154.6

51 39.9 32.7 49.1

86 55.4 44.9 67.3

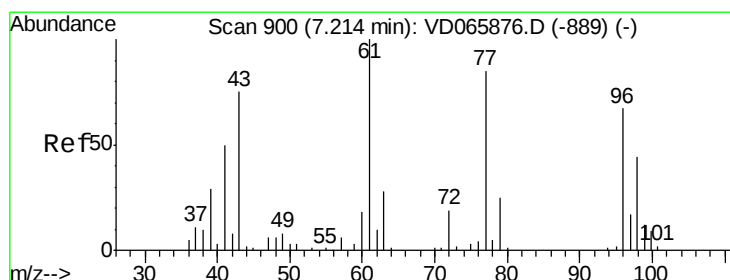
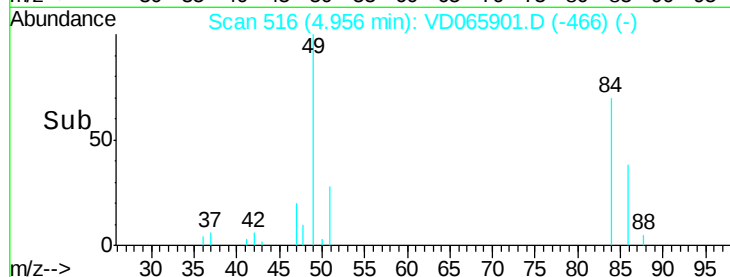
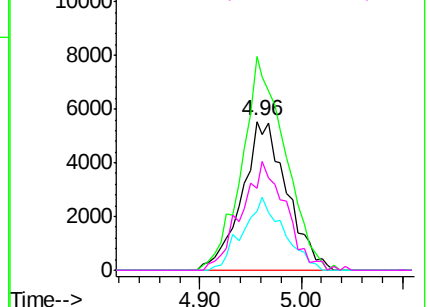


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#25

2-Butanone

Concen: 4.344 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065901.D

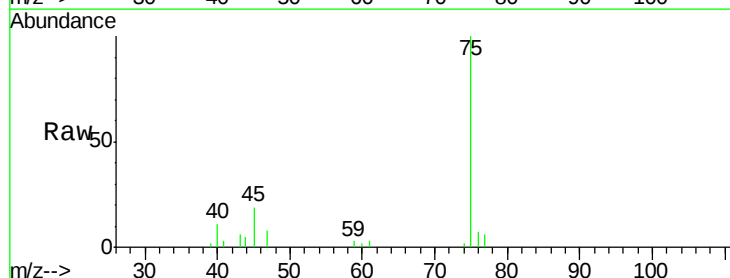
Acq: 01 Jul 2020 11:37

Tgt Ion: 43 Resp: 1767

Ion Ratio Lower Upper

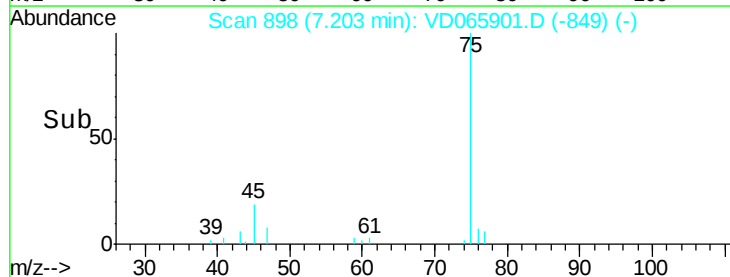
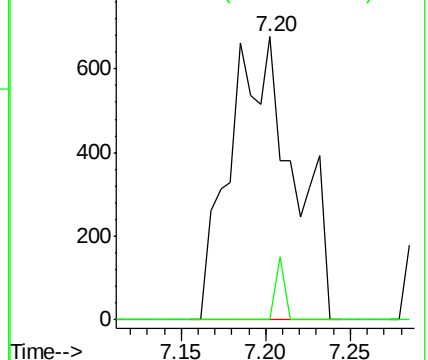
43 100

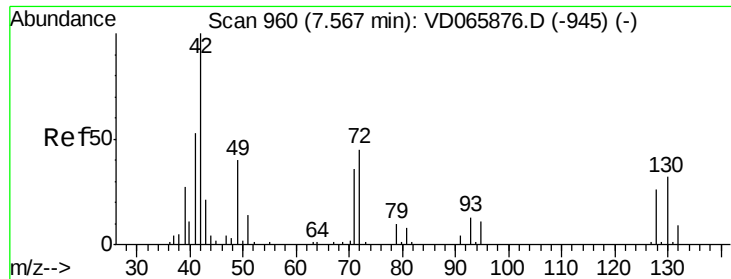
72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

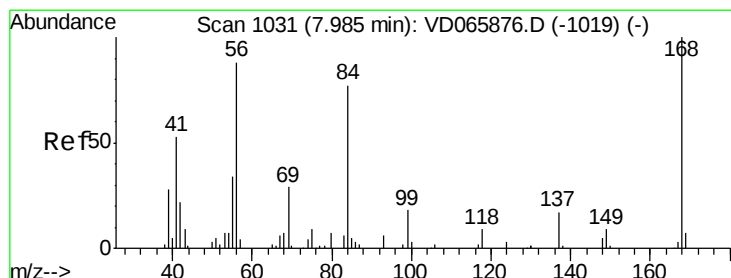
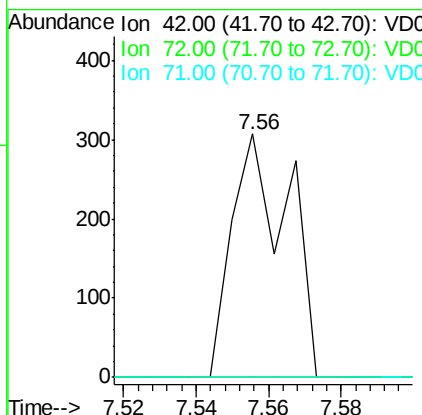
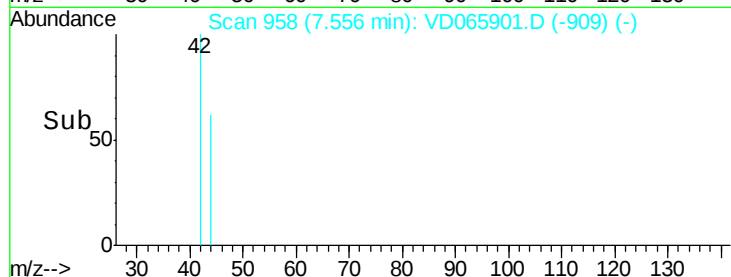
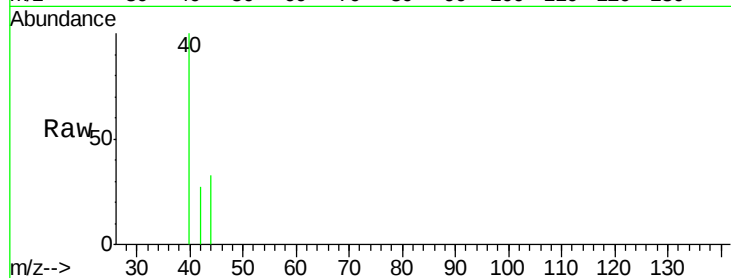




#29
Tetrahydrofuran
Concen: 1.277 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD065901.D
Acq: 01 Jul 2020 11:37

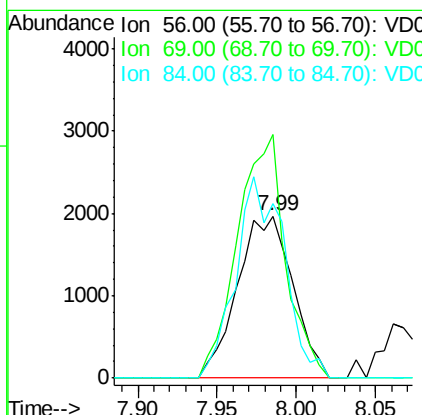
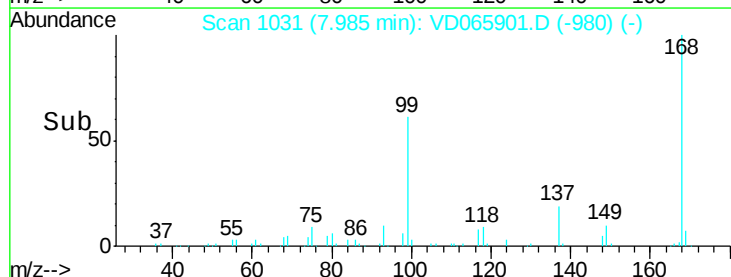
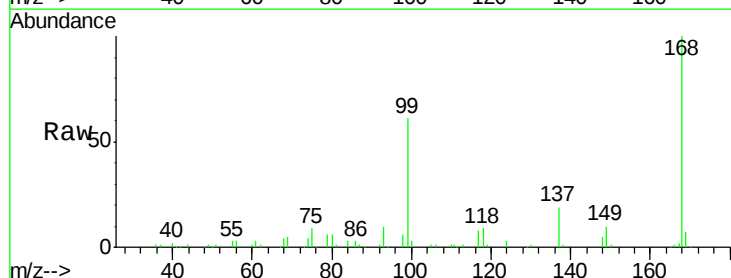
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBL01

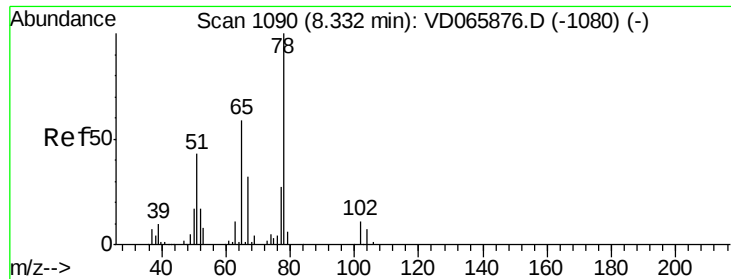
Tot Ion: 42 Resp: 330
Ion Ratio Lower Upper
42 100
72 0.0 35.3 52.9#
71 0.0 32.6 48.8#



#31
Cyclohexane
Concen: 1.712 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065901.D
Acq: 01 Jul 2020 11:37

Tgt Ion: 56 Resp: 4772
Ion Ratio Lower Upper
56 100
69 150.4 26.2 39.4#
84 107.5 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 51.741 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065901.D

Acq: 01 Jul 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

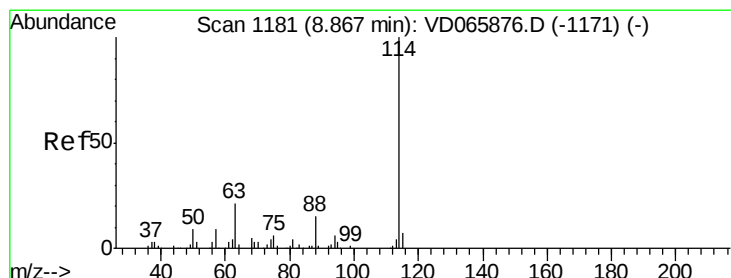
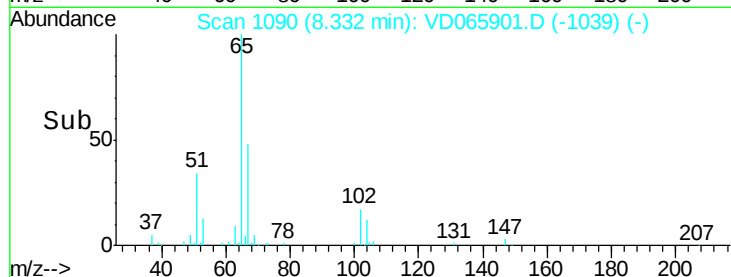
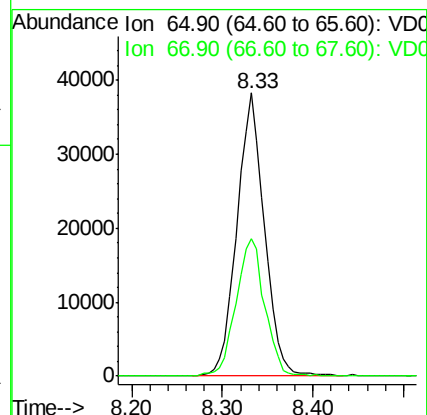
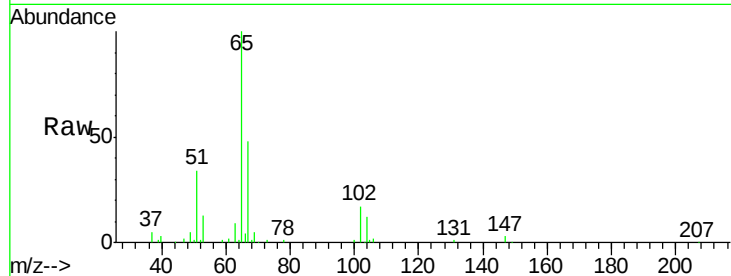
VD0701SBL01

Tot Ion: 65 Resp: 80489

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD065901.D

Acq: 01 Jul 2020 11:37

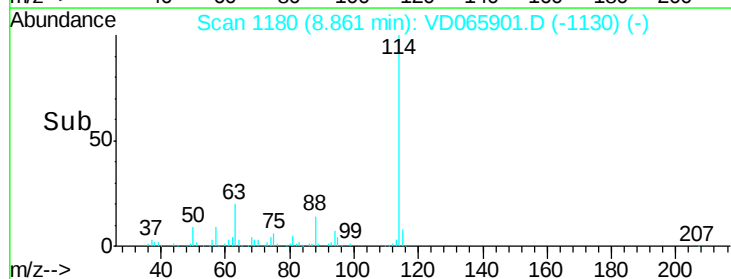
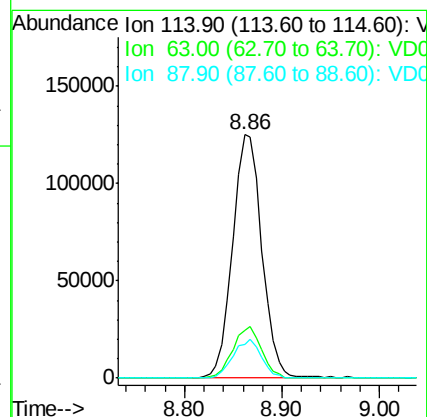
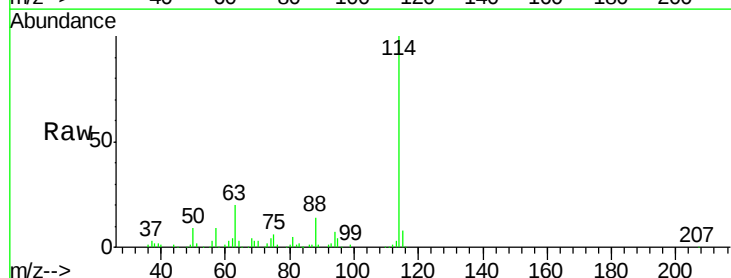
Tgt Ion: 114 Resp: 260327

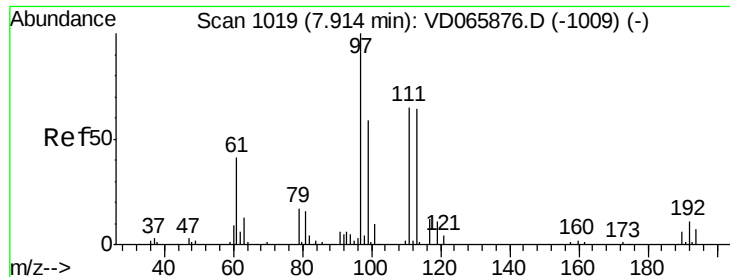
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

88 14.0 0.0 29.0

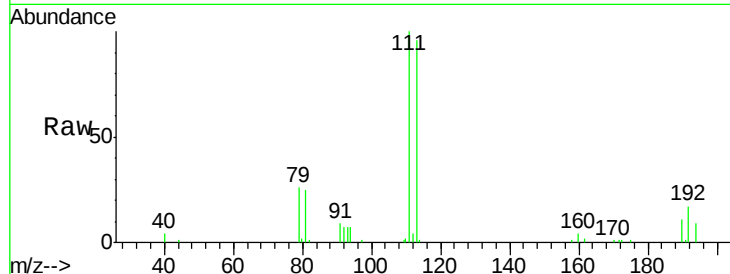




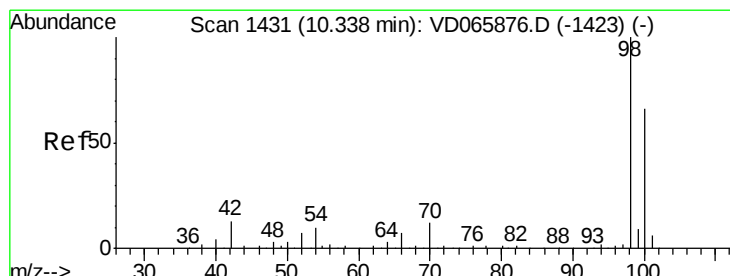
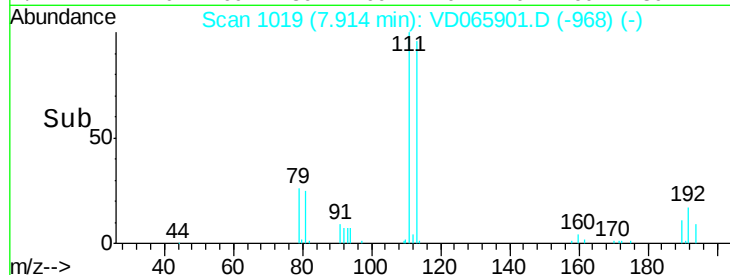
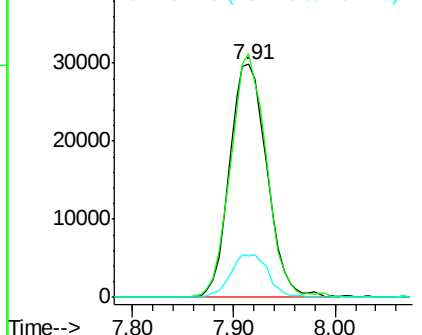
#35
 Dibromofluoromethane
 Concen: 47.275 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065901.D
 Acq: 01 Jul 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBL01

Tot Ion:113 Resp: 76070
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.0 121.6
 192 18.6 15.2 22.8

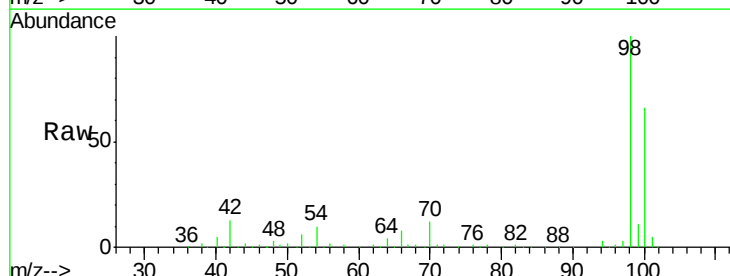


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

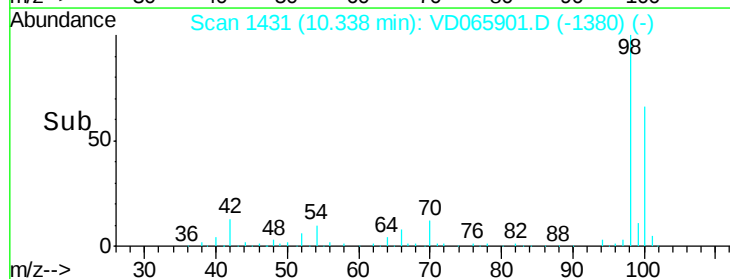
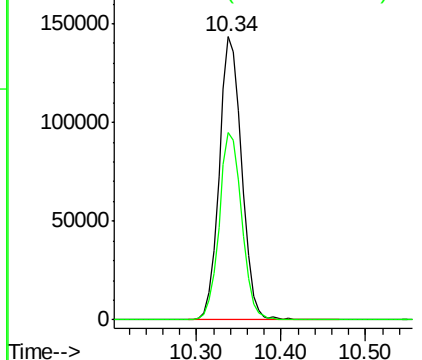


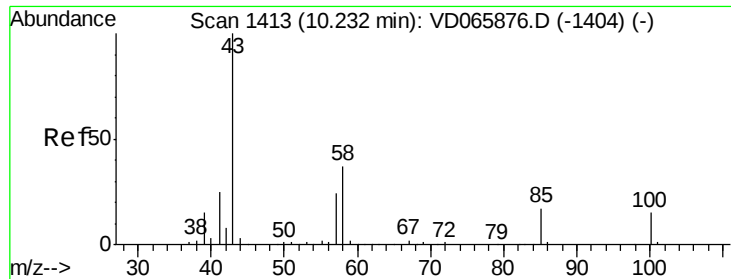
#50
 Toluene-d8
 Concen: 43.776 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD065901.D
 Acq: 01 Jul 2020 11:37

Tgt Ion: 98 Resp: 264970
 Ion Ratio Lower Upper
 98 100
 100 66.8 52.3 78.5



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: 3.471 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065901.D

Acq: 01 Jul 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

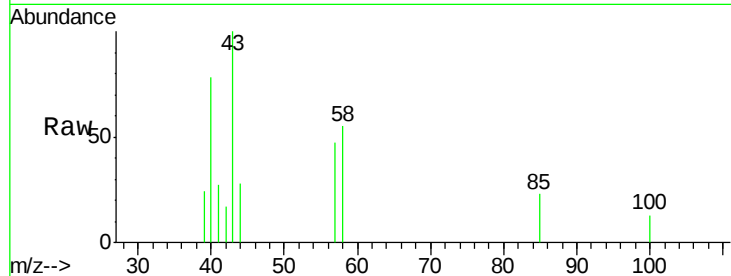
VD0701SBL01

Tot Ion: 43 Resp: 3365

Ion Ratio Lower Upper

43 100

58 42.0 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

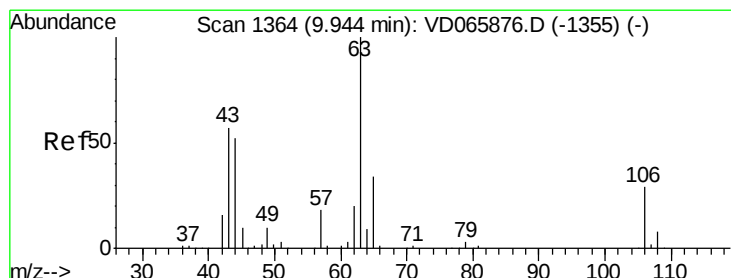
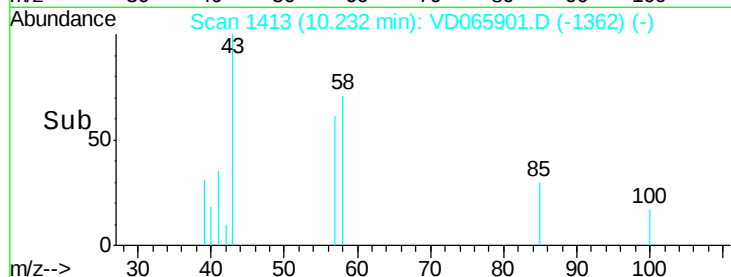
1500

1000

500

0

Time--> 10.15 10.20 10.25 10.30



#58

2-Chloroethyl Vinyl ether

Concen: 1.591 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065901.D

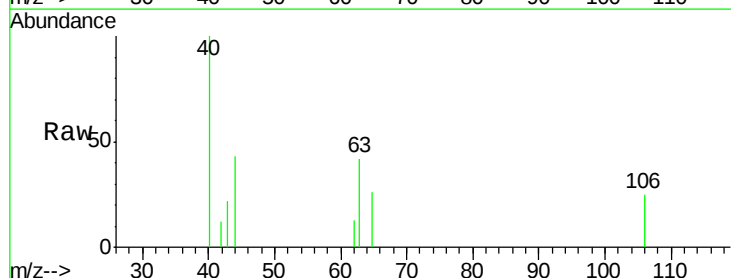
Acq: 01 Jul 2020 11:37

Tgt Ion: 63 Resp: 1073

Ion Ratio Lower Upper

63 100

106 36.5 22.6 34.0#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

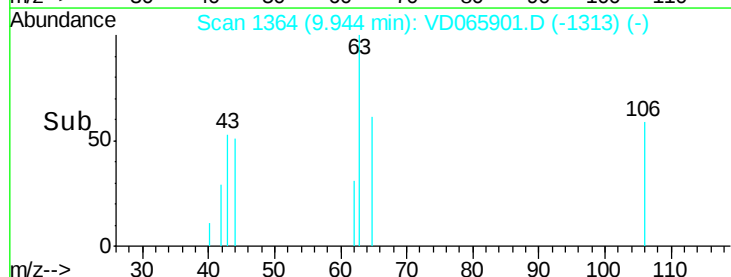
600

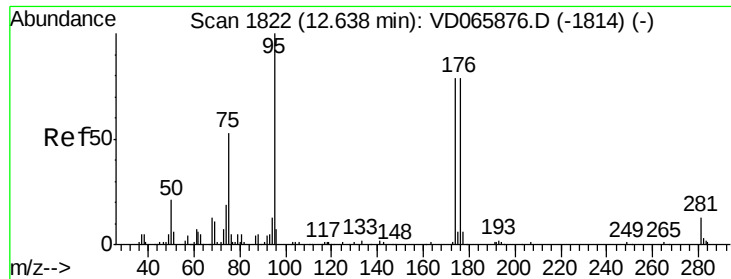
400

200

0

Time--> 9.90 9.95





#62

4-Bromofluorobenzene

Concen: 42.899 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065901.D

Acq: 01 Jul 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBL01

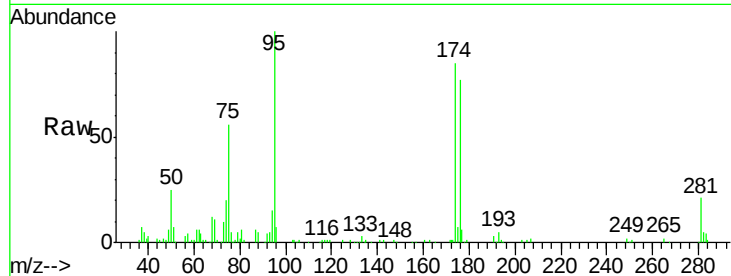
Tot Ion: 95 Resp: 85065

Ion Ratio Lower Upper

95 100

174 82.0 0.0 158.4

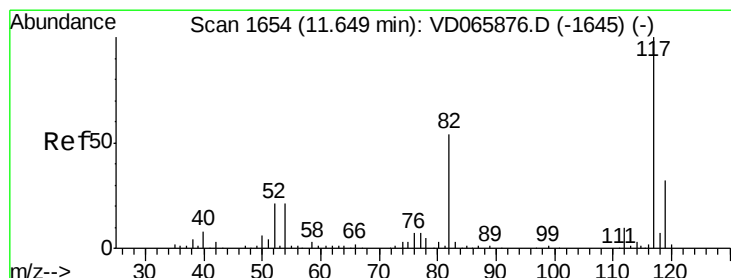
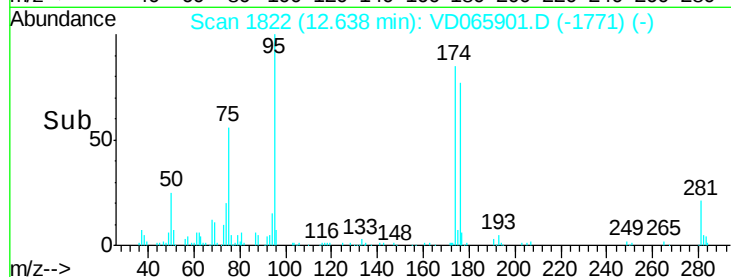
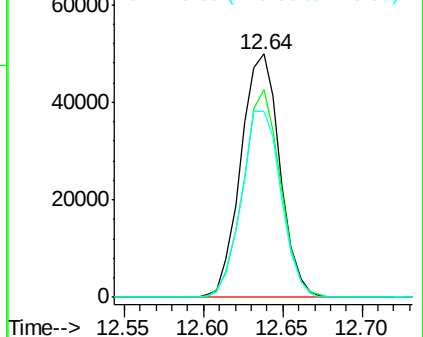
176 78.0 0.0 156.0



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: 11.64 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VD065901.D

Acq: 01 Jul 2020 11:37

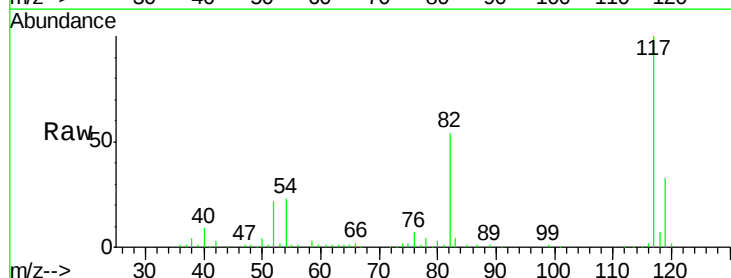
Tgt Ion: 117 Resp: 232668

Ion Ratio Lower Upper

117 100

82 53.6 43.6 65.4

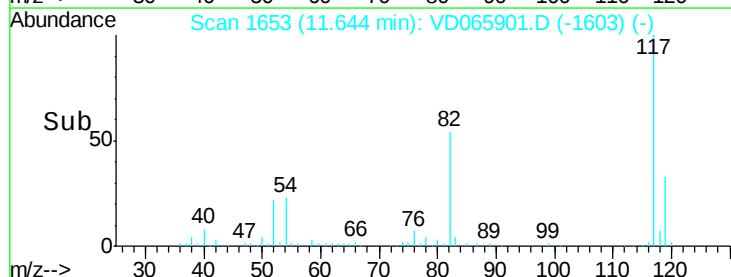
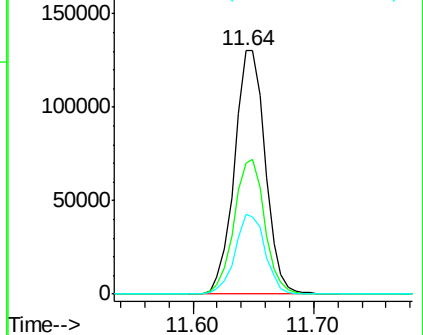
119 32.7 25.9 38.9

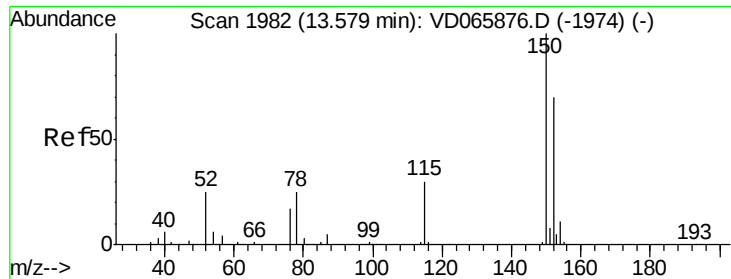


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065901.D

Acq: 01 Jul 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBL01

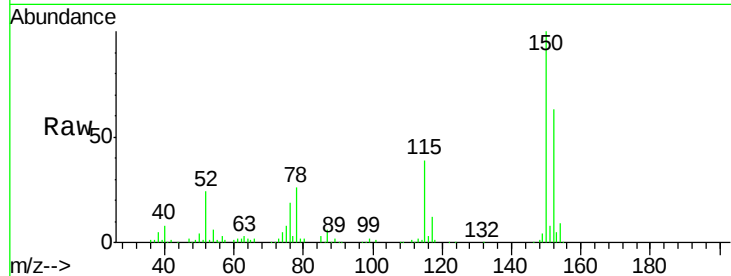
Tot Ion:152 Resp: 103123

Ion Ratio Lower Upper

152 100

115 59.9 29.7 89.1

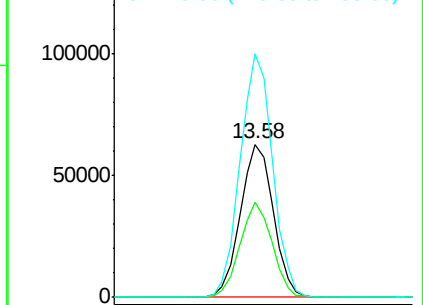
150 155.6 0.0 346.2



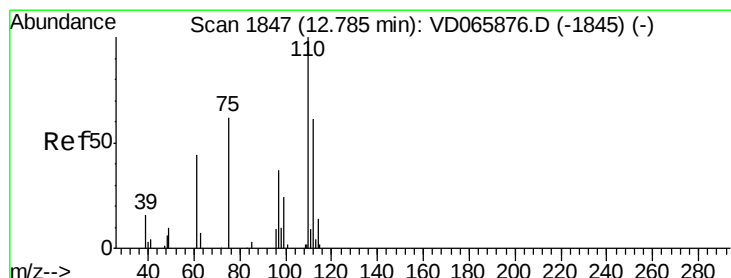
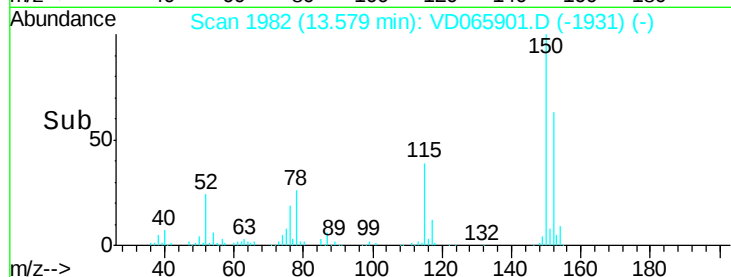
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 52.834 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065901.D

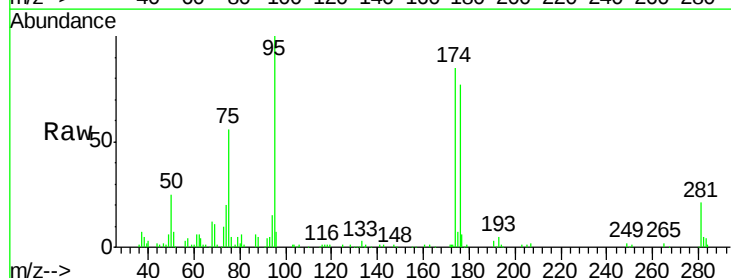
Acq: 01 Jul 2020 11:37

Tgt Ion: 75 Resp: 47675

Ion Ratio Lower Upper

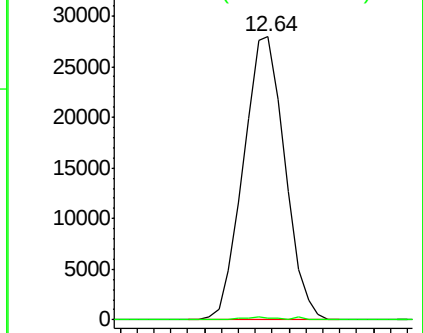
75 100

77 0.8 168.5 505.5#

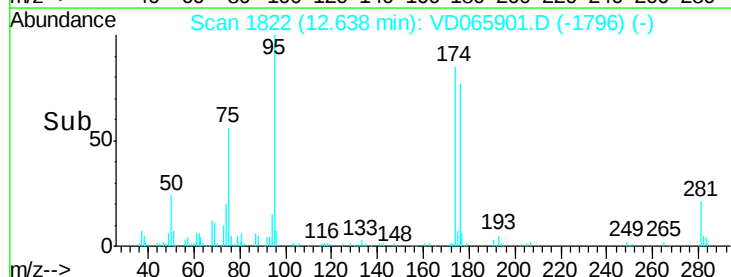


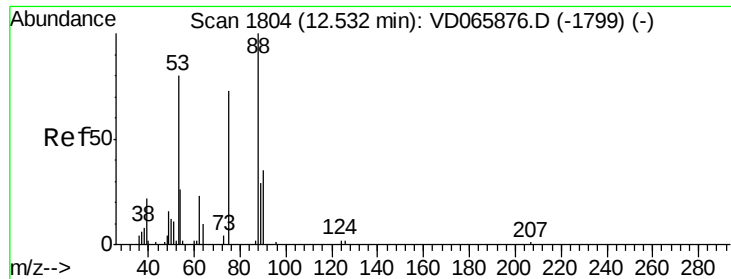
Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 113.507 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065901.D

Acq: 01 Jul 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VD0701SBL01

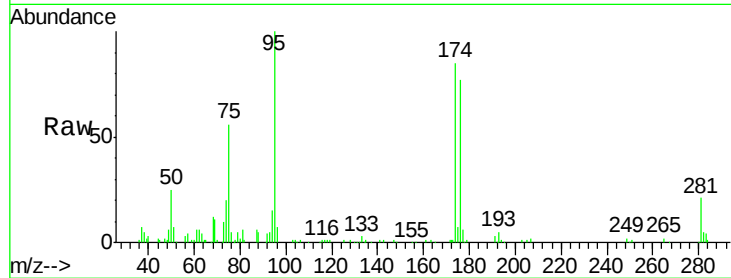
Tot Ion: 75 Resp: 47675

Ion Ratio Lower Upper

75 100

53 0.0 80.6 121.0#

89 0.0 36.5 54.7#



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

