

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066951.D
 Acq On : 29 Sep 2020 22:15
 Operator : VA/SY
 Sample : VW0929SBL02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VW0929SBL02

Quant Time: Sep 30 04:22:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	336684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	595702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	550617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	243057	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	181587	55.10	ug/l	0.00
Spiked Amount			Recovery	=	110.20%	
35) Dibromofluoromethane	7.91	113	190146	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
50) Toluene-d8	10.34	98	615334	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
62) 4-Bromofluorobenzene	12.63	95	210393	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	

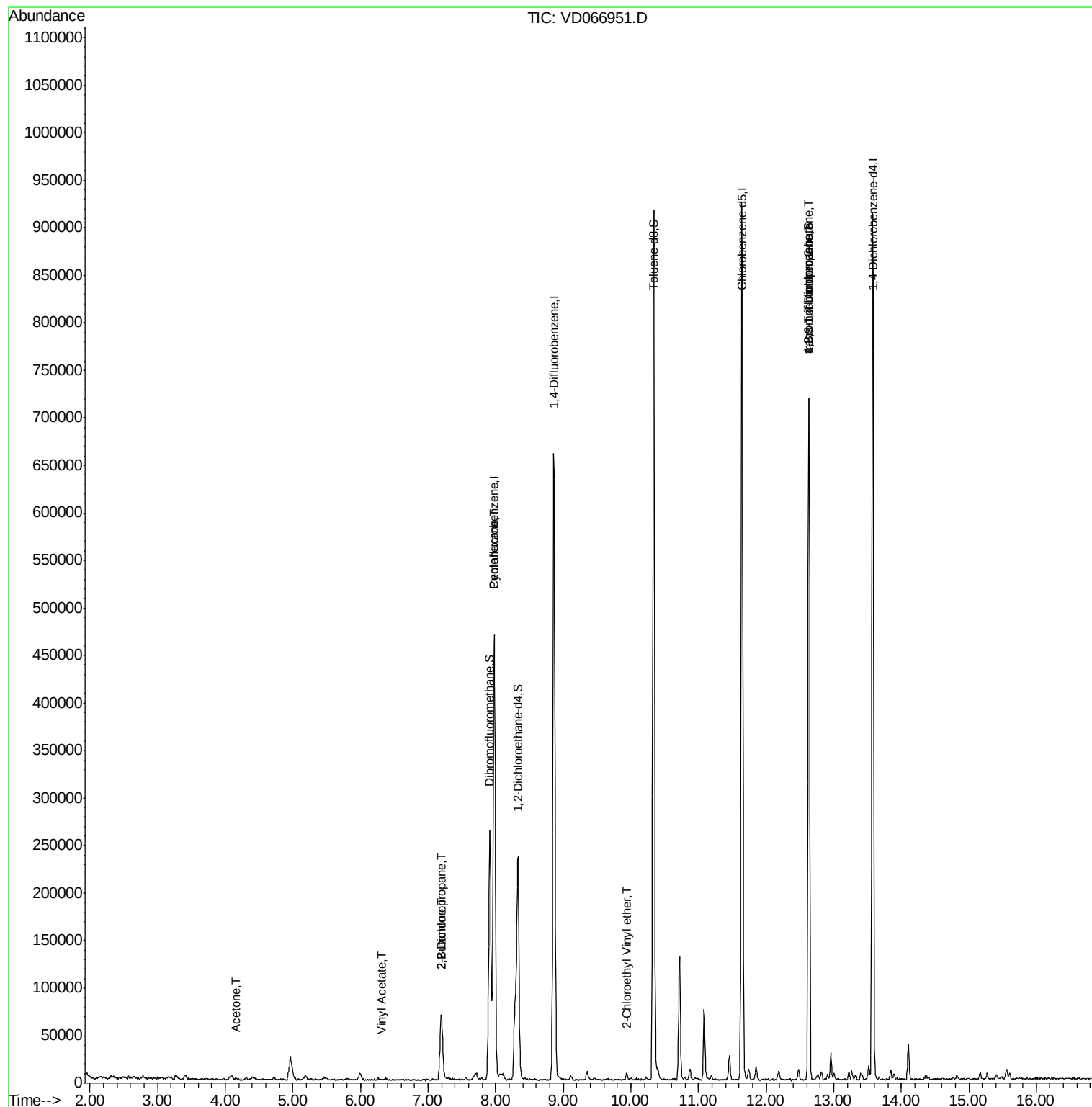
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1869	Below Cal	#	63
11) Tert butyl alcohol	5.20	59	4415	Below Cal	#	72
16) Acetone	4.16	43	1597	2.285	ug/l	90
18) Methyl Acetate	4.73	43	811	Below Cal	#	63
20) Methylene Chloride	4.97	84	18546	Below Cal		85
23) Vinyl Acetate	6.30	43	901	2.837	ug/l #	71
25) 2-Butanone	7.20	43	4329	5.153	ug/l #	69
26) 2,2-Dichloropropane	7.20	77	6604	1.082	ug/l #	58
31) Cyclohexane	7.98	56	9443	1.576	ug/l #	8
49) 1,4-Dioxane	9.46	88	528	Below Cal	#	75
58) 2-Chloroethyl Vinyl ether	9.94	63	2798	1.782	ug/l	94
76) 1,2,3-Trichloropropane	12.63	75	107761	53.499	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	107761	133.850	ug/l #	10

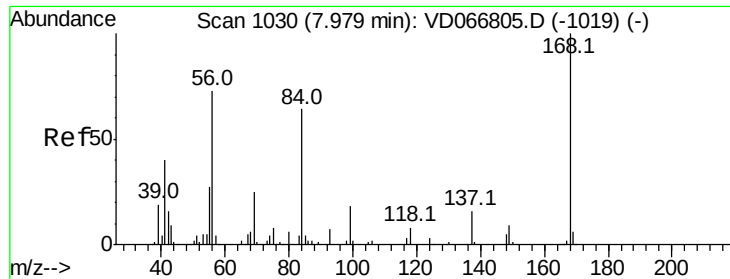
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066951.D

Acq: 29 Sep 2020 22:15

Instrument :

MSVOA_D

ClientSampleId :

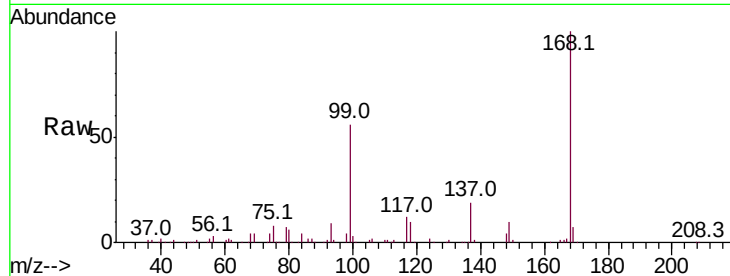
VW0929SBL02

Tot Ion:168 Resp: 336684

Ion Ratio Lower Upper

168 100

99 55.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

150000

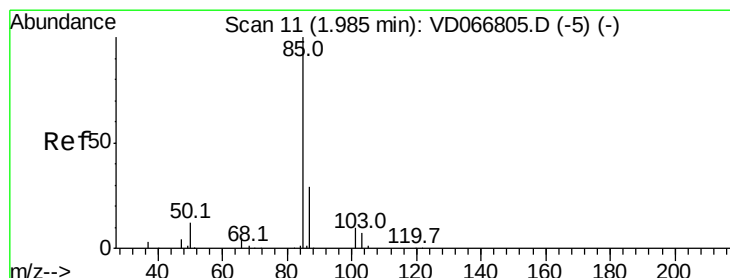
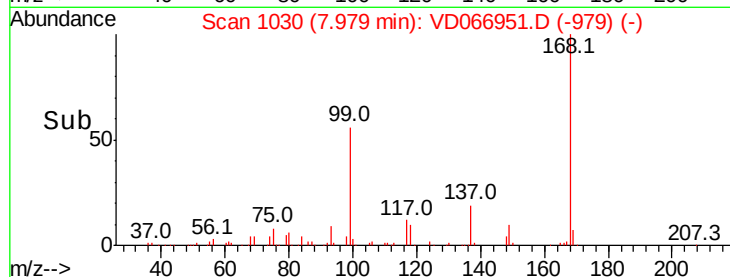
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066951.D

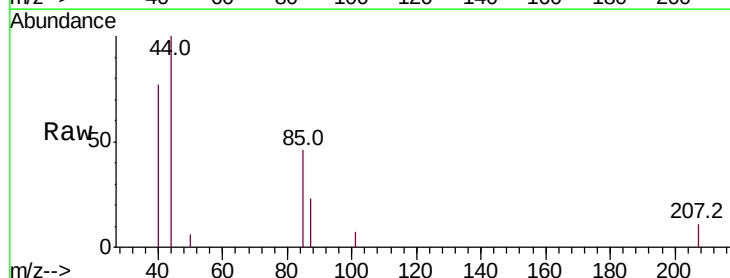
Acq: 29 Sep 2020 22:15

Tgt Ion: 85 Resp: 1869

Ion Ratio Lower Upper

85 100

87 49.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.99

1500

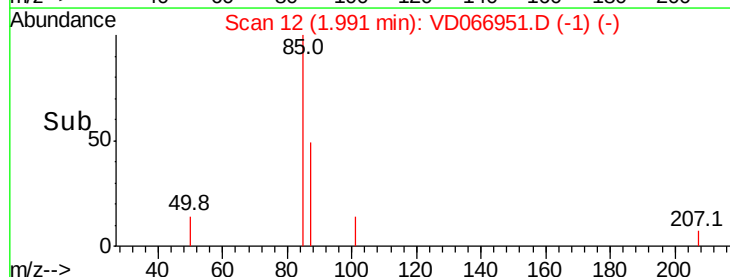
1000

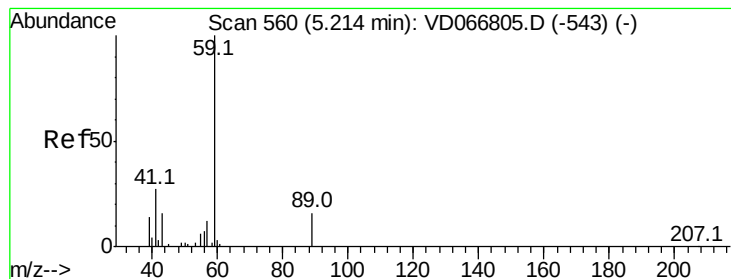
500

0

Time-->

1.95 2.00



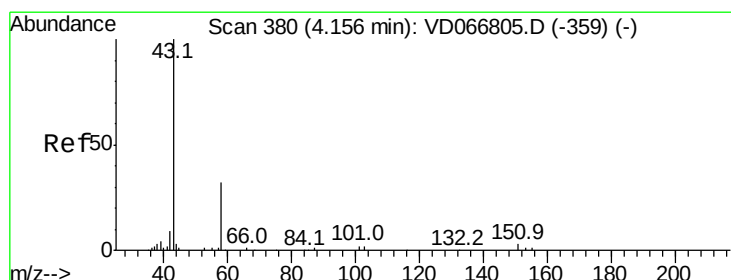
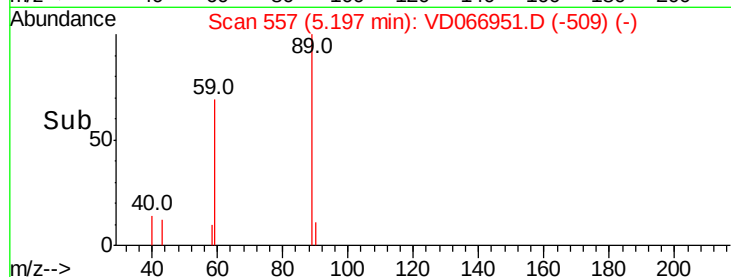
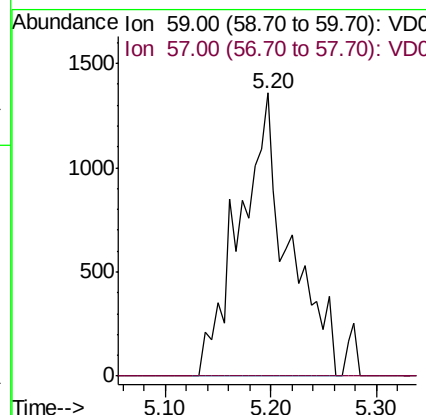
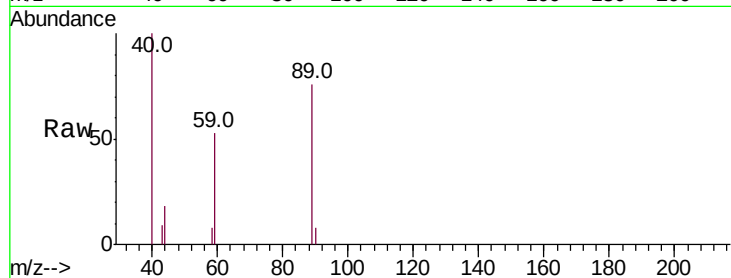


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD066951.D
 Acq: 29 Sep 2020 22:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VW0929SBL02

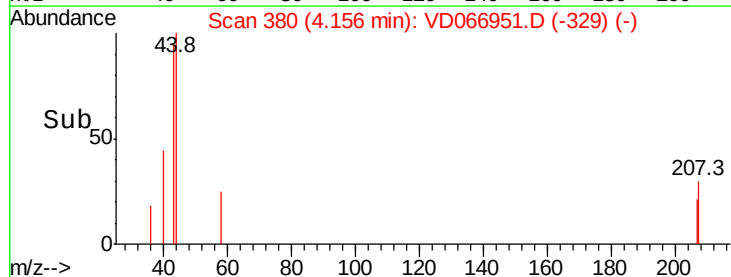
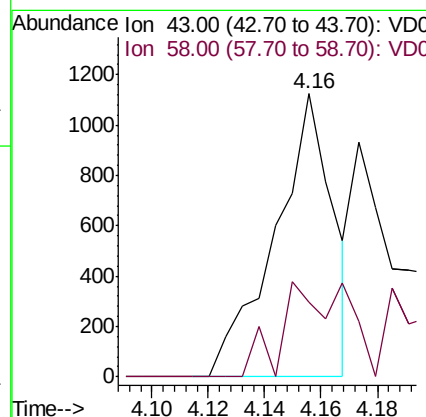
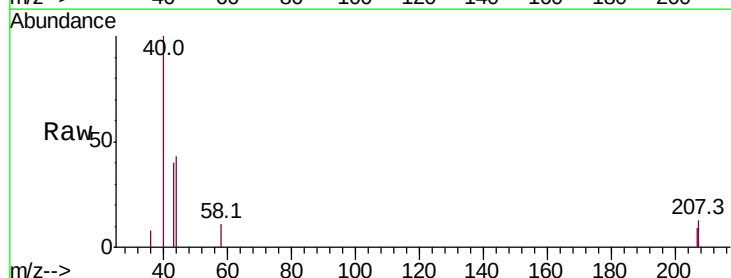
Tot Ion: 59 Resp: 4415
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

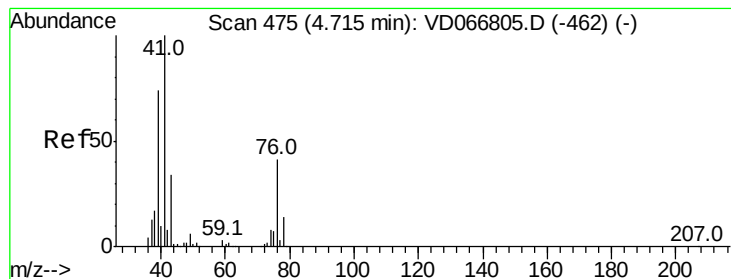


#16

Acetone
 Concen: 2.285 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066951.D
 Acq: 29 Sep 2020 22:15

Tgt Ion: 43 Resp: 1597
 Ion Ratio Lower Upper
 43 100
 58 26.4 25.6 38.4





#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 478

Delta R.T. 0.02 min

Lab File: VD066951.D

Acq: 29 Sep 2020 22:15

Instrument :

MSVOA_D

ClientSampleId :

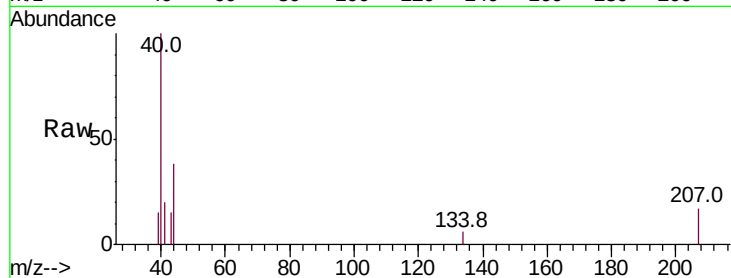
VW0929SBL02

Tot Ion: 43 Resp: 811

Ion Ratio Lower Upper

43 100

74 6.7 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

400

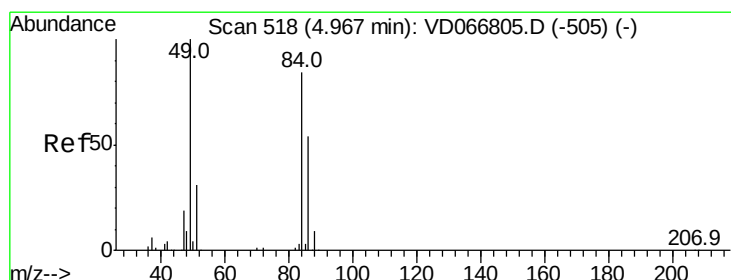
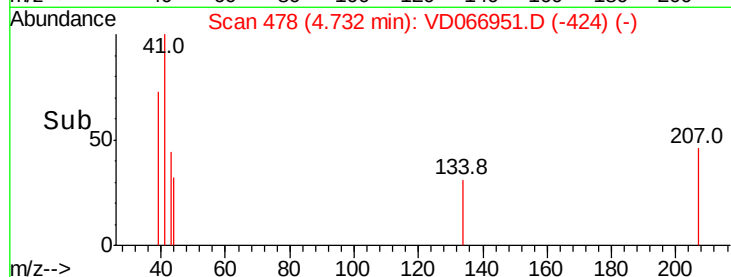
300

200

100

0

Time--> 4.65 4.70 4.75



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066951.D

Acq: 29 Sep 2020 22:15

Tgt Ion: 84 Resp: 18546

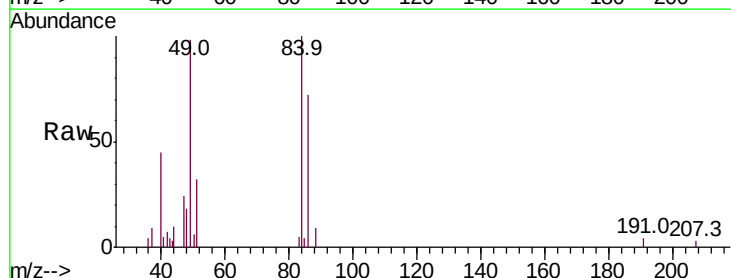
Ion Ratio Lower Upper

84 100

49 98.1 95.4 143.2

51 31.8 29.7 44.5

86 71.6 51.4 77.2



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

8000

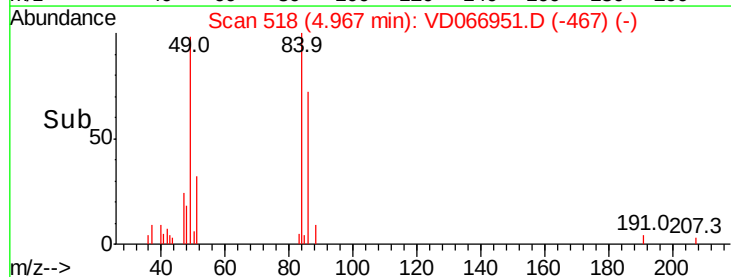
6000

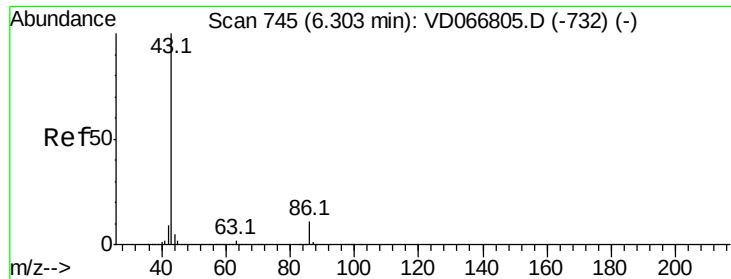
4000

2000

0

Time--> 4.90 5.00





#23

Vinyl Acetate

Concen: 2.837 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066951.D

Acq: 29 Sep 2020 22:15

Instrument :

MSVOA_D

ClientSampleId :

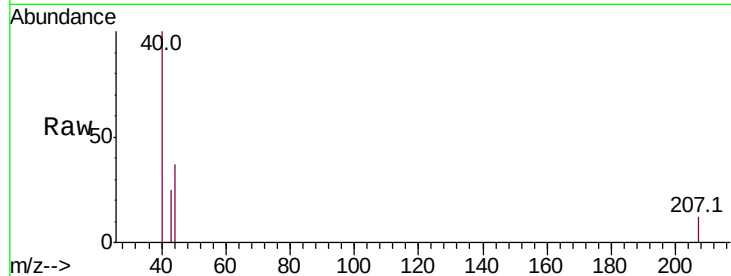
VW0929SBL02

Tot Ion: 43 Resp: 901

Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#

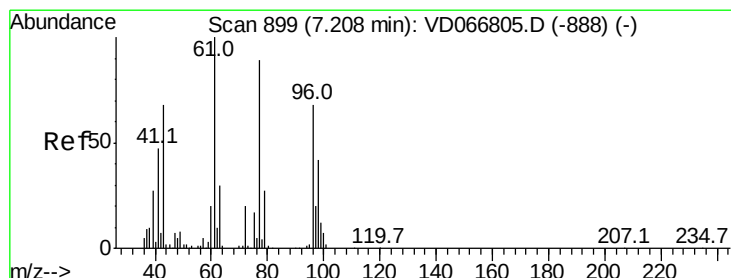
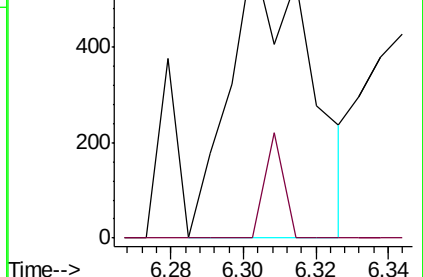
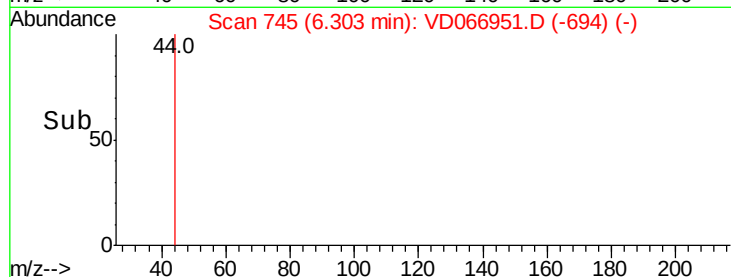


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

6.28 6.30 6.32 6.34



#25

2-Butanone

Concen: 5.153 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066951.D

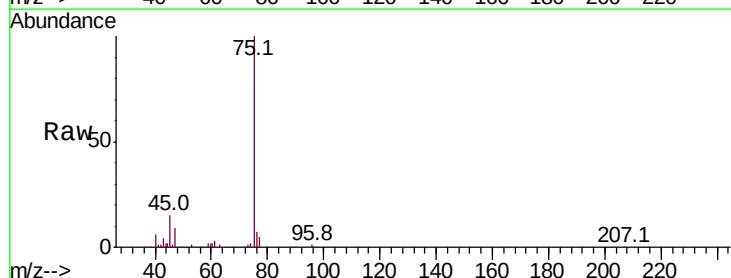
Acq: 29 Sep 2020 22:15

Tgt Ion: 43 Resp: 4329

Ion Ratio Lower Upper

43 100

72 12.1 22.9 34.3#

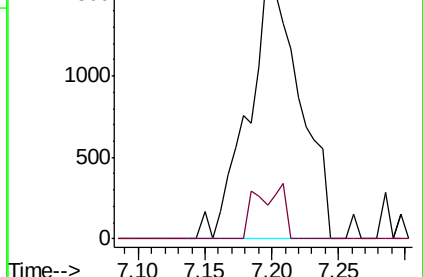
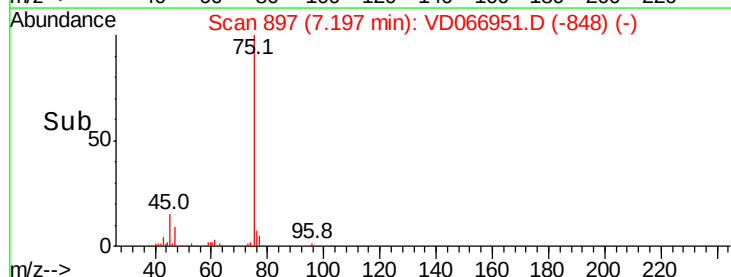


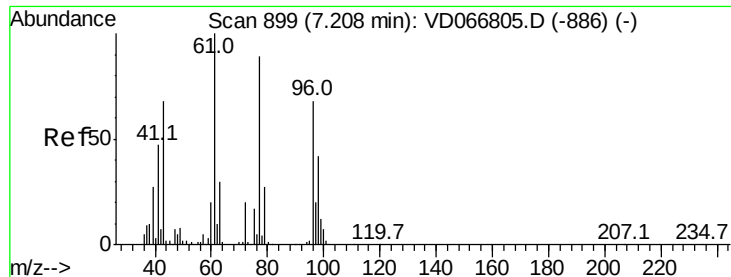
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.20

7.10 7.15 7.20 7.25





#26

2,2-Dichloropropane

Concen: 1.082 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066951.D

Acq: 29 Sep 2020 22:15

Instrument :

MSVOA_D

ClientSampleId :

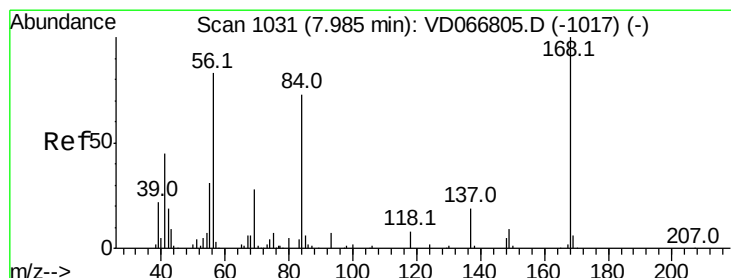
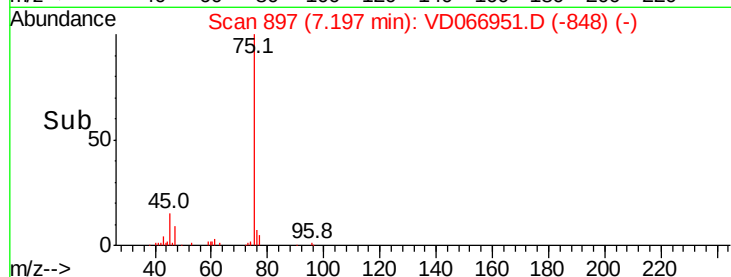
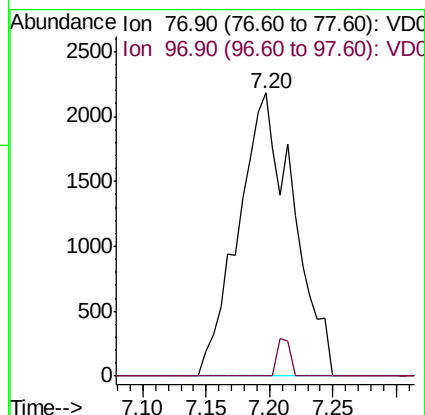
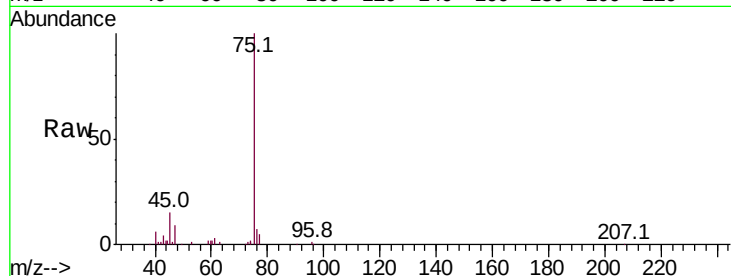
VW0929SBL02

Tot Ion: 77 Resp: 6604

Ion Ratio Lower Upper

77 100

97 3.0 11.7 35.1#



#31

Cyclohexane

Concen: 1.576 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066951.D

Acq: 29 Sep 2020 22:15

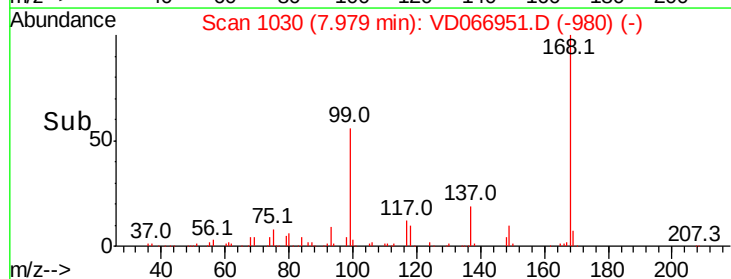
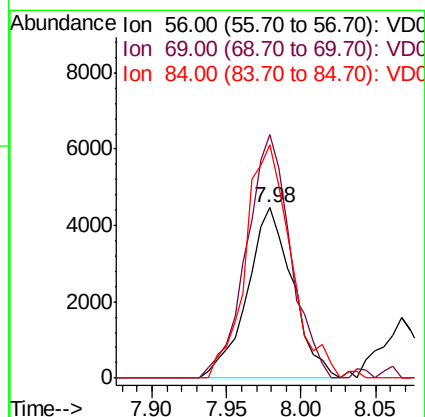
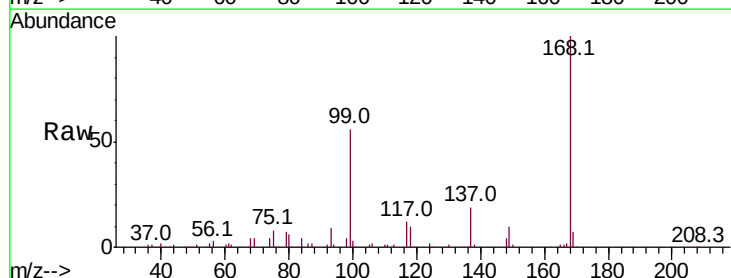
Tgt Ion: 56 Resp: 9443

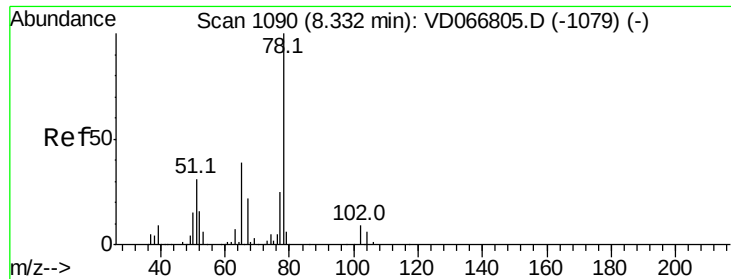
Ion Ratio Lower Upper

56 100

69 143.1 27.0 40.4#

84 137.5 70.2 105.4#

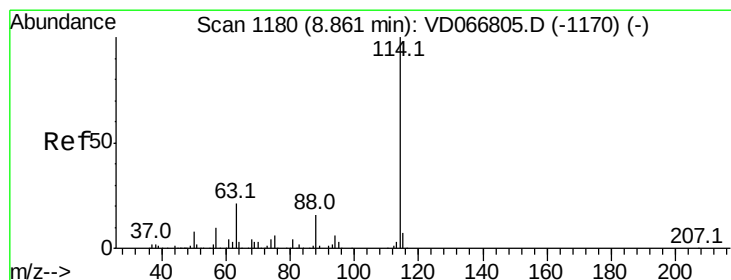
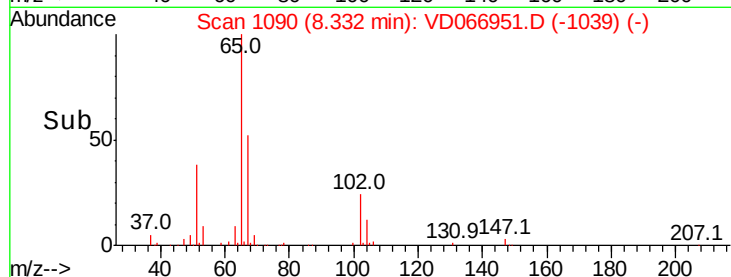
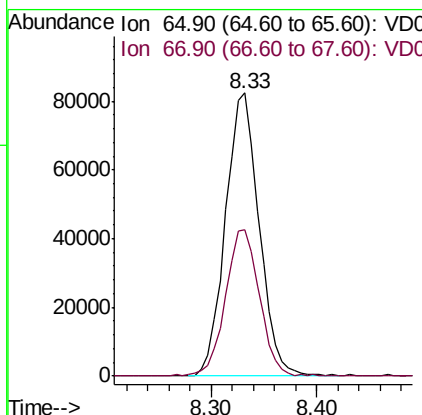
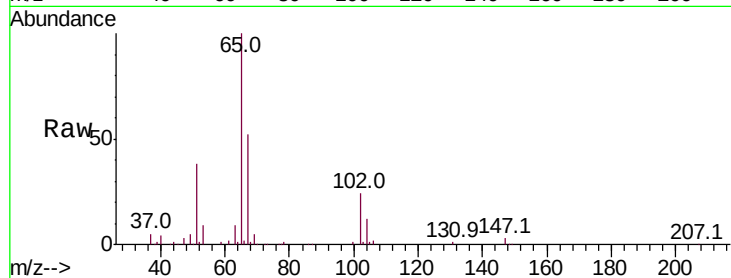




#33
 1,2-Dichloroethane-d4
 Concen: 55.104 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066951.D
 Acq: 29 Sep 2020 22:15

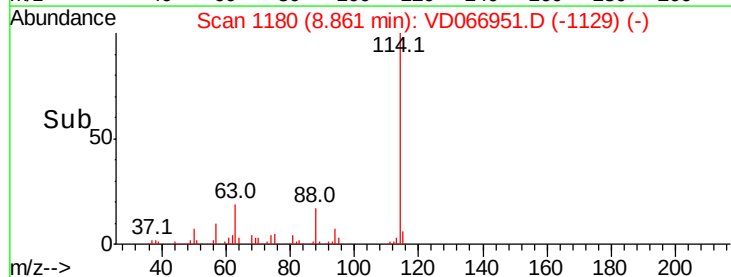
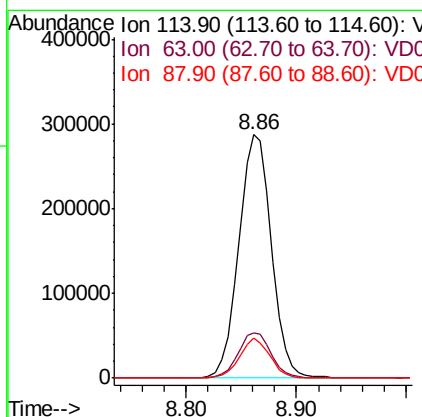
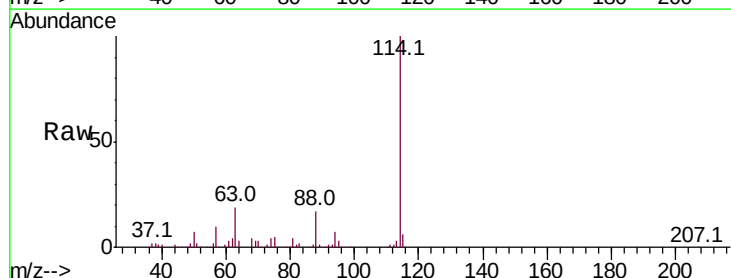
Instrument :
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 VW0929SBL02

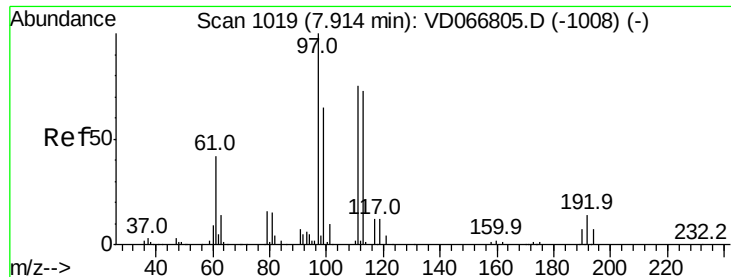
Tot Ion: 65 Resp: 181587
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066951.D
 Acq: 29 Sep 2020 22:15

Tgt Ion: 114 Resp: 595702
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 42.6
 88 16.6 0.0 32.6

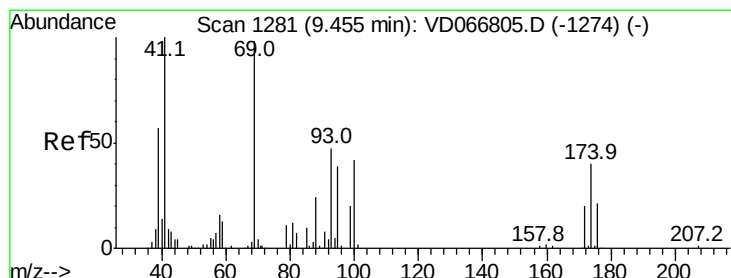
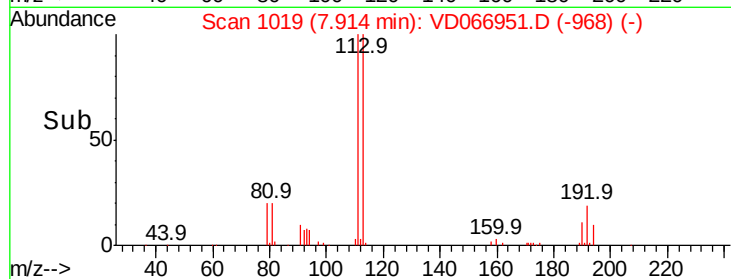
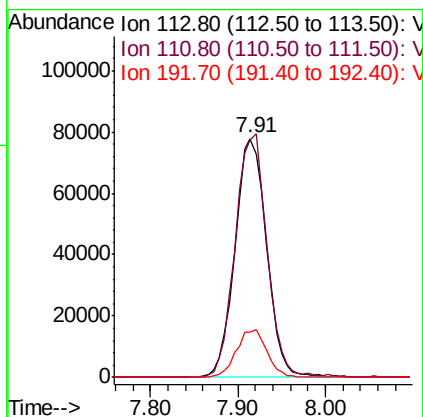
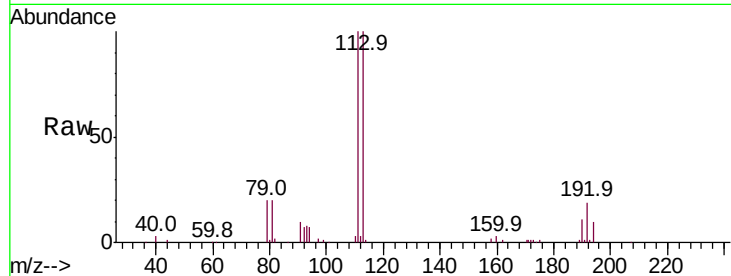




#35
 Dibromofluoromethane
 Concen: 50.172 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066951.D
 Acq: 29 Sep 2020 22:15

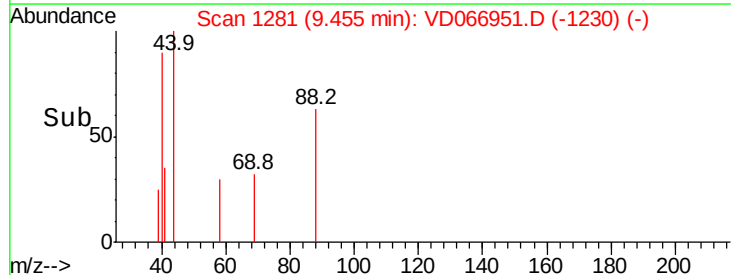
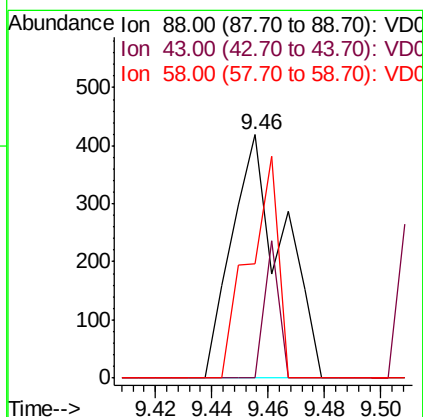
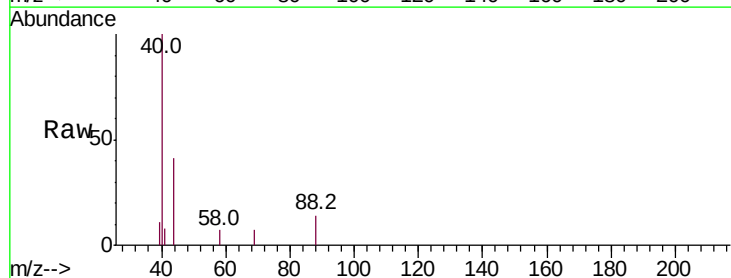
Instrument :
 MSVOA_D
 ClientSampleId :
 VW0929SBL02

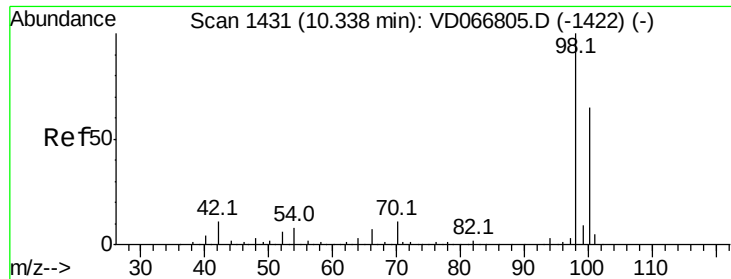
Tot Ion:113 Resp: 190146
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.8 122.8
 192 19.2 14.4 21.6



#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 9.46 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VD066951.D
 Acq: 29 Sep 2020 22:15

Tgt Ion: 88 Resp: 528
 Ion Ratio Lower Upper
 88 100
 43 15.9 27.7 41.5#
 58 51.7 55.5 83.3#





#50

Toluene-d8

Concen: 47.653 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066951.D

Acq: 29 Sep 2020 22:15

Instrument :

MSVOA_D

ClientSampleId :

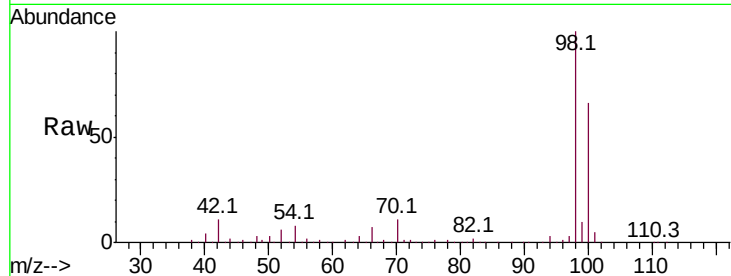
VW0929SBL02

Tot Ion: 98 Resp: 615334

Ion Ratio Lower Upper

98 100

100 66.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

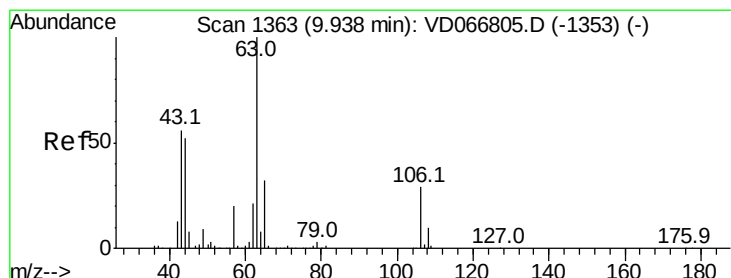
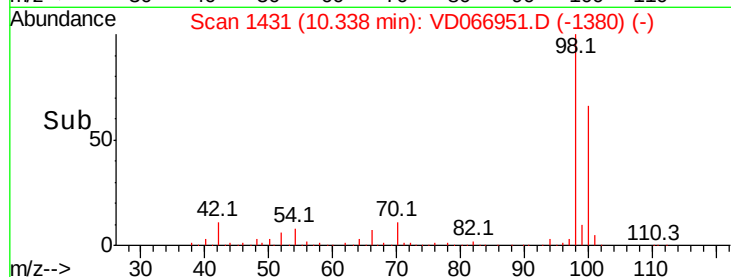
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#58

2-Chloroethyl Vinyl ether

Concen: 1.782 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066951.D

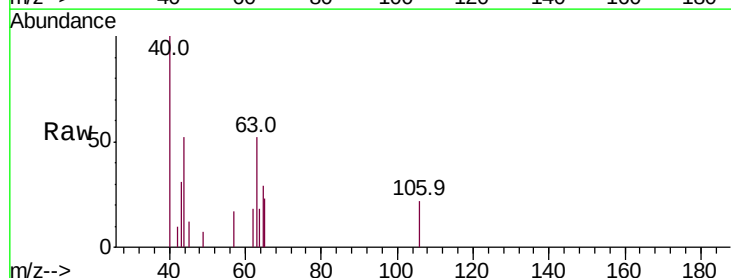
Acq: 29 Sep 2020 22:15

Tgt Ion: 63 Resp: 2798

Ion Ratio Lower Upper

63 100

106 33.2 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

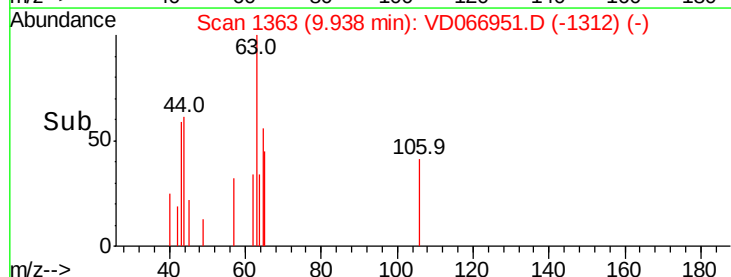
1500

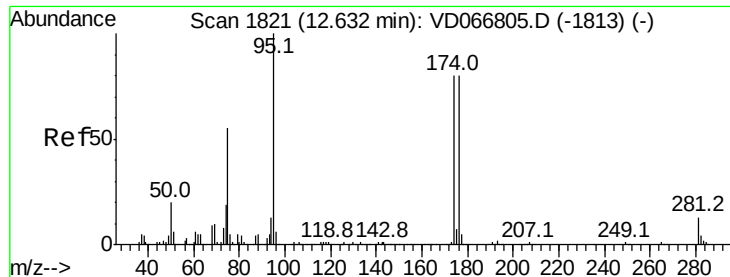
1000

500

0

Time--> 9.90 9.95 10.00

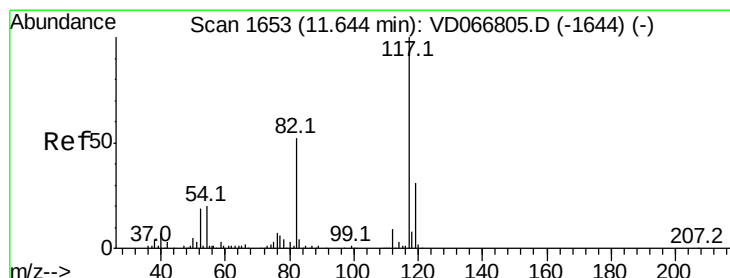
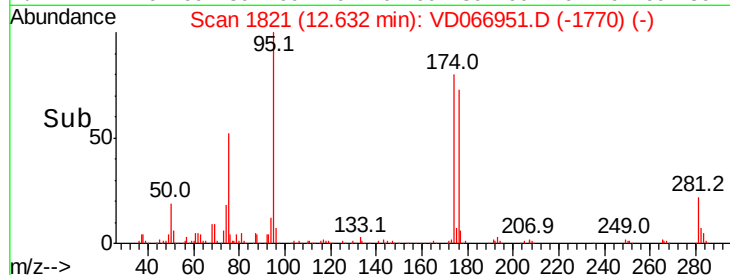
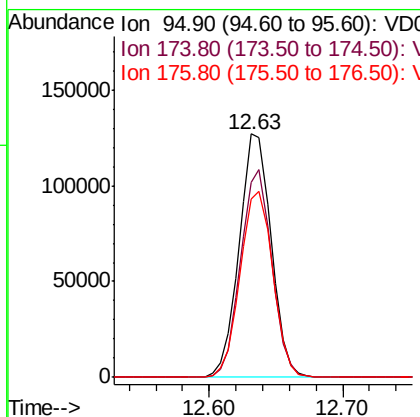
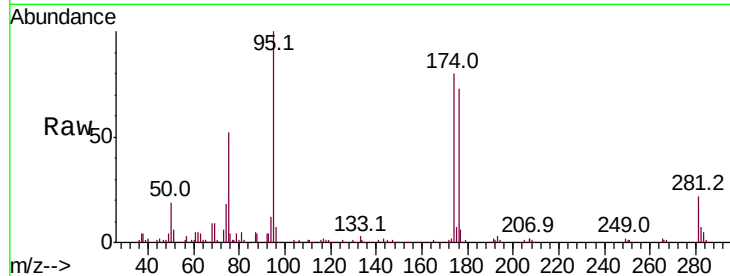




#62
4-Bromofluorobenzene
Concen: 47.595 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066951.D
Acq: 29 Sep 2020 22:15

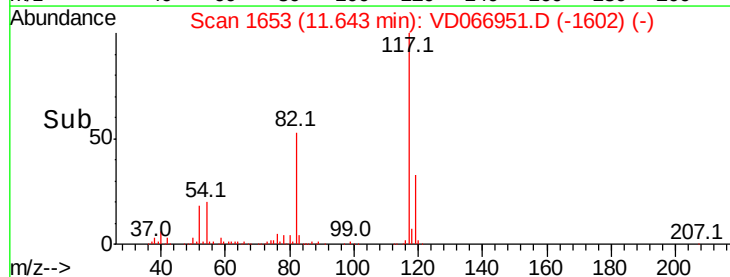
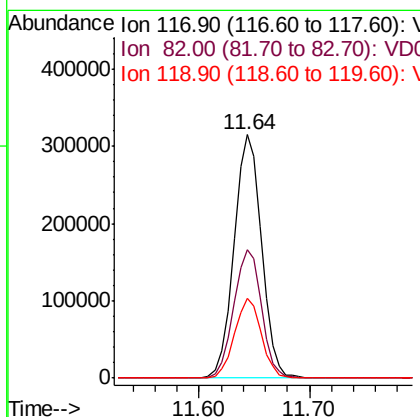
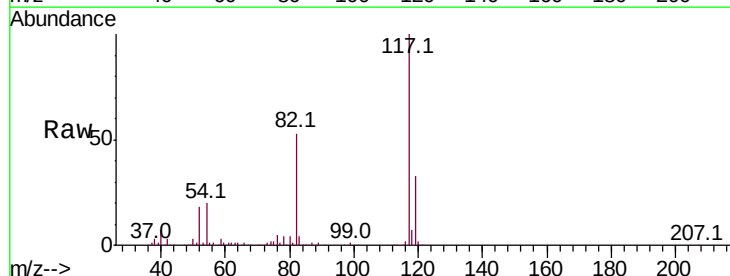
Instrument :
MSVOA_D
ClientSampleId :
VW0929SBL02

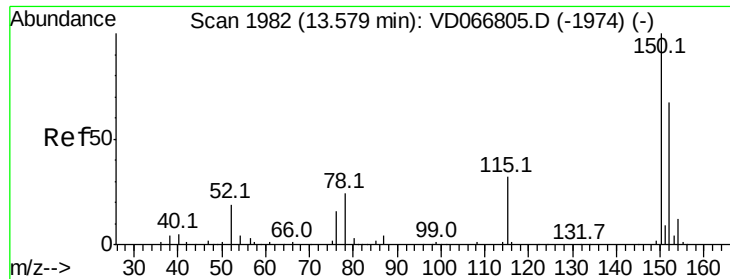
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	159.8
176	78.0	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066951.D
Acq: 29 Sep 2020 22:15

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.8	62.6
119	32.7	24.6	37.0



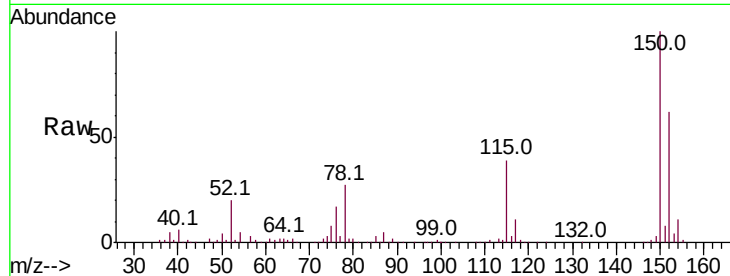


#72

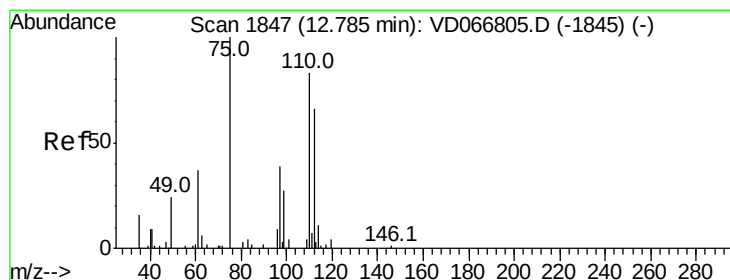
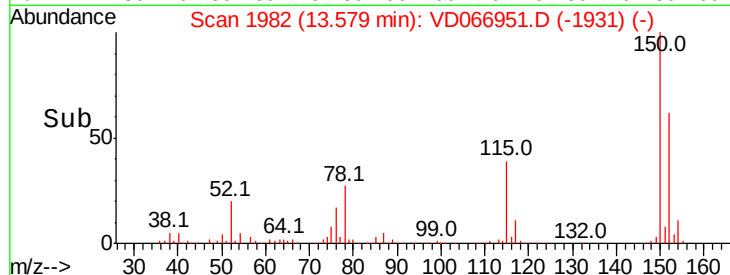
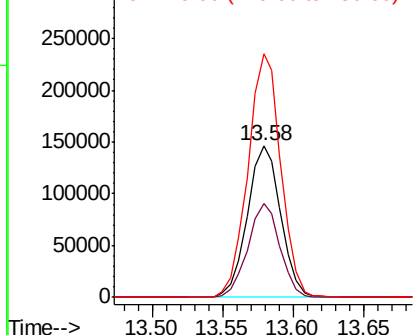
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066951.D
Acq: 29 Sep 2020 22:15

Instrument :
MSVOA_D
ClientSampleId :
VW0929SBL02

Tot Ion:152 Resp: 243057
Ion Ratio Lower Upper
152 100
115 59.6 30.3 91.0
150 158.1 0.0 346.2



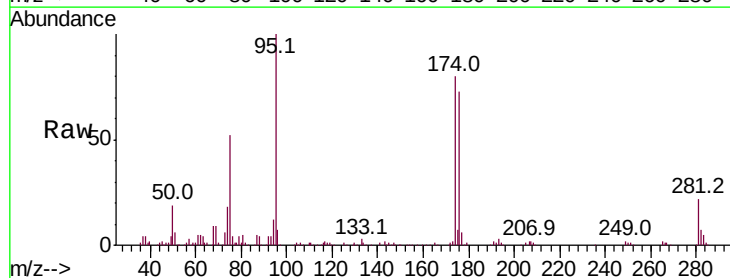
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



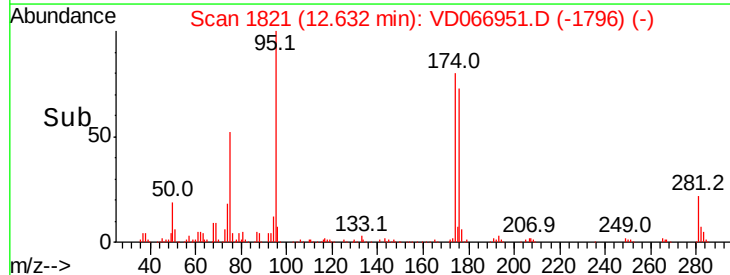
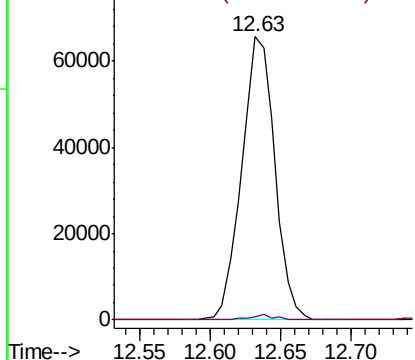
#76

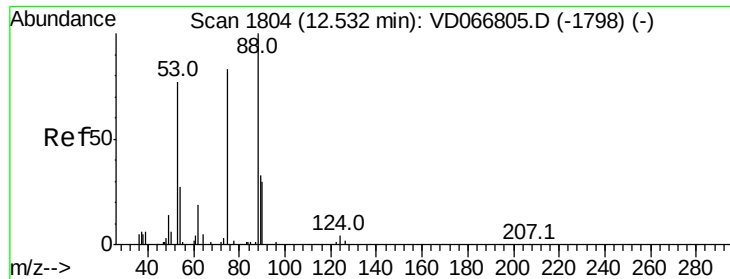
1,2,3-Trichloropropane
Concen: 53.499 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066951.D
Acq: 29 Sep 2020 22:15

Tgt Ion: 75 Resp: 107761
Ion Ratio Lower Upper
75 100
77 1.3 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: 133.850 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066951.D

Acq: 29 Sep 2020 22:15

Instrument :

MSVOA_D

ClientSampleId :

VW0929SBL02

Tot Ion: 75 Resp: 107761

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.3 38.1 57.1#

