

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066643.D
 Acq On : 11 Sep 2020 12:47
 Operator : VA/SY
 Sample : VD0911SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 12 00:38:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	399649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	715732	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	675946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290338	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	251314	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
35) Dibromofluoromethane	7.91	113	239727	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
50) Toluene-d8	10.34	98	883117	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.63	95	286951	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	

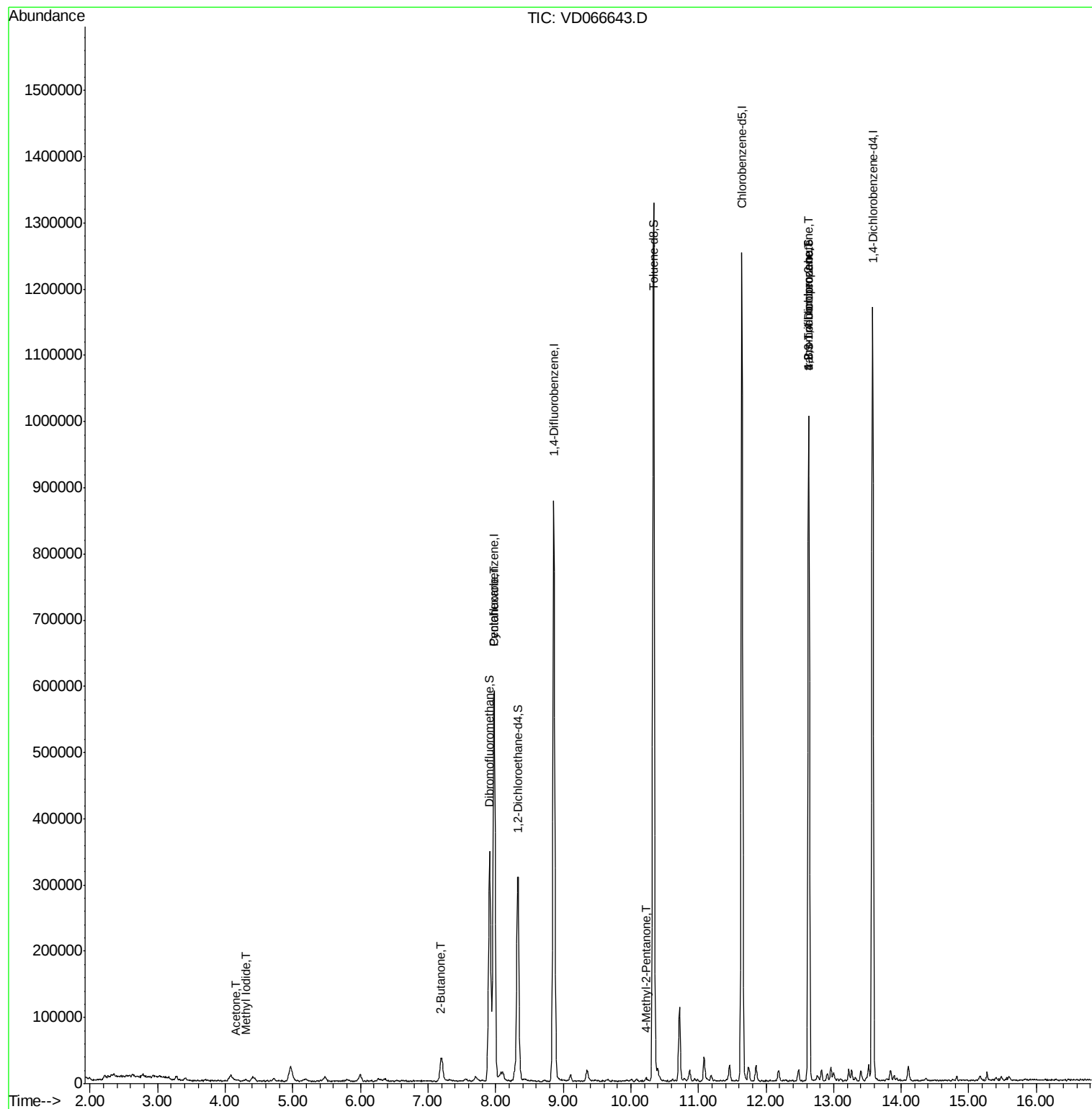
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2779	Below Cal	#	42
5) Bromomethane	2.77	94	2691	Below Cal		98
10) Methyl Iodide	4.31	142	2293	4.539	ug/l #	85
11) Tert butyl alcohol	5.17	59	2617	Below Cal	#	81
16) Acetone	4.16	43	3772	4.240	ug/l #	87
20) Methylene Chloride	4.96	84	16133	Below Cal		89
25) 2-Butanone	7.19	43	3164	2.649	ug/l #	51
31) Cyclohexane	7.98	56	15859	2.010	ug/l #	39
51) 4-Methyl-2-Pentanone	10.23	43	3600	1.256	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	161938	57.995	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	161938	135.398	ug/l #	7

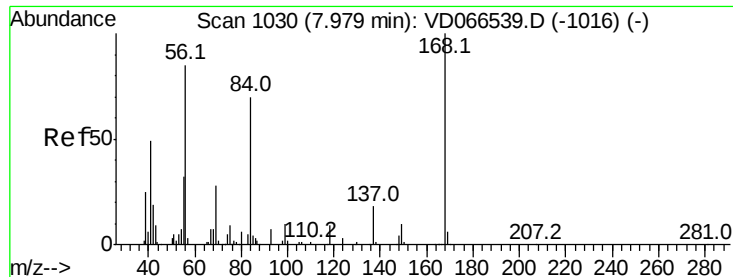
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091120\
Data File : VD066643.D
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Instrument :
MSVOA_D
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Quant Time: Sep 12 00:38:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 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: VD066643.D

Acq: 11 Sep 2020 12:47

Instrument :

MSVOA_D

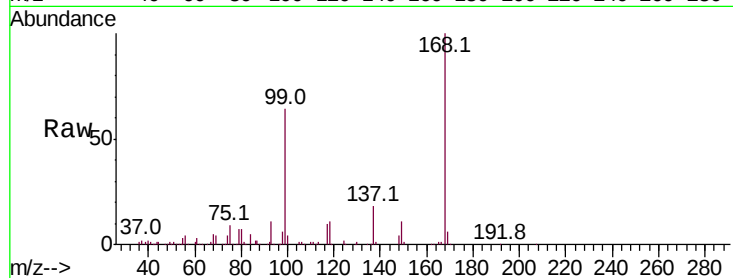
ClientSampleId :

Tot Ion:168 Resp: 399649

Ion Ratio Lower Upper

168 100

99 63.4 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

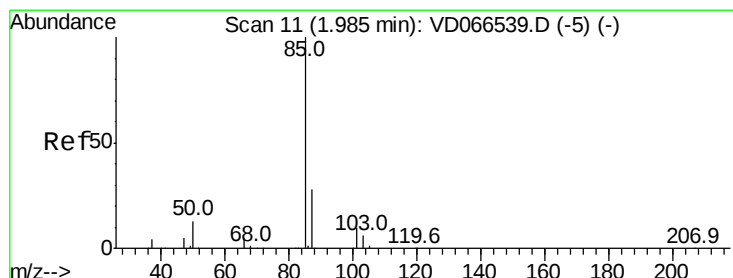
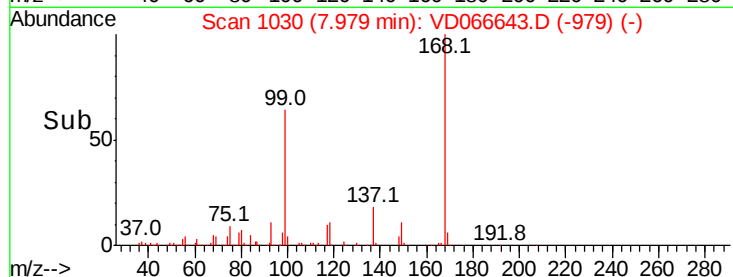
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066643.D

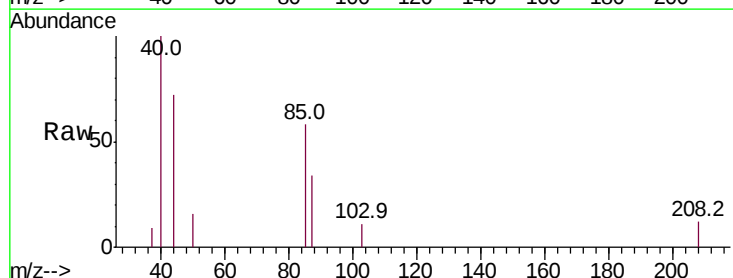
Acq: 11 Sep 2020 12:47

Tgt Ion: 85 Resp: 2779

Ion Ratio Lower Upper

85 100

87 59.2 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

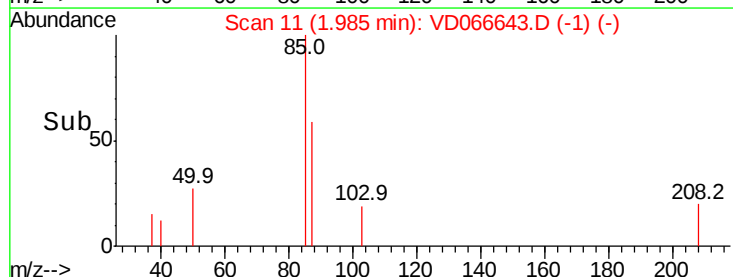
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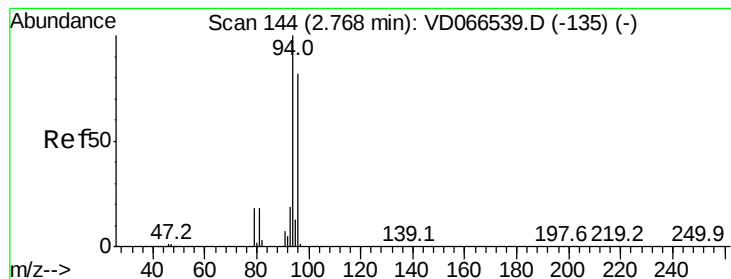
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066643.D

Acq: 11 Sep 2020 12:47

Instrument :

MSVOA_D

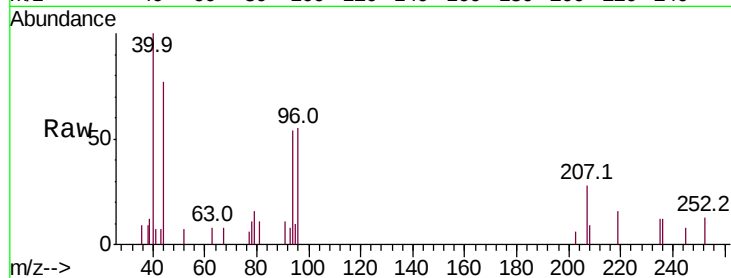
ClientSampled :

Tot Ion: 94 Resp: 2691

Ion Ratio Lower Upper

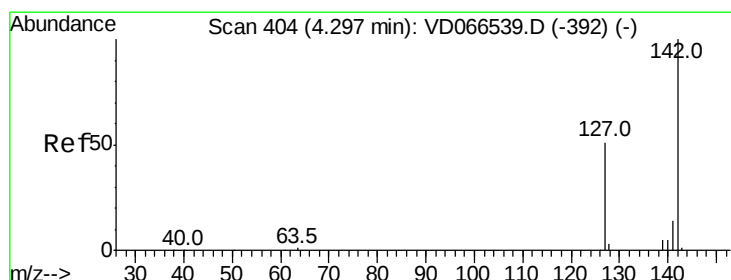
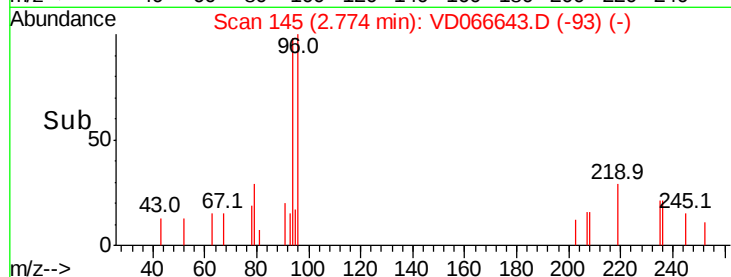
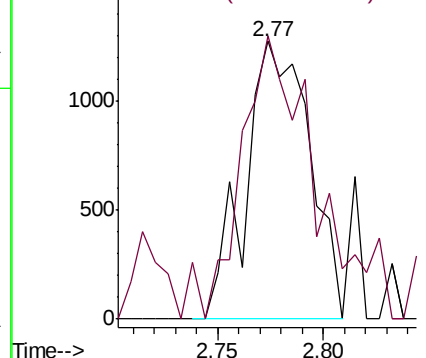
94 100

96 83.6 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 4.539 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD066643.D

Acq: 11 Sep 2020 12:47

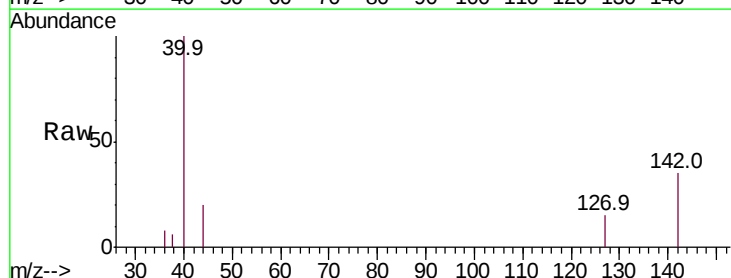
Tgt Ion: 142 Resp: 2293

Ion Ratio Lower Upper

142 100

127 43.4 40.6 61.0

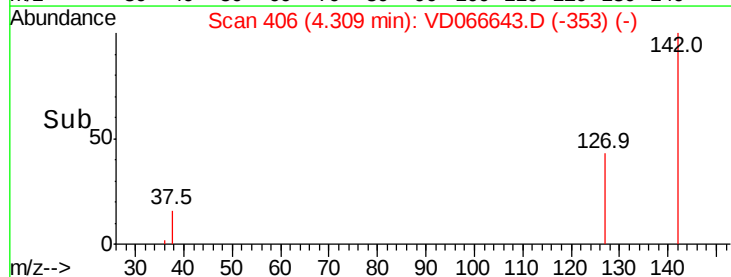
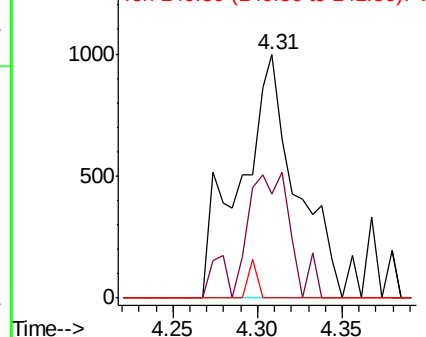
141 2.4 12.2 18.4#

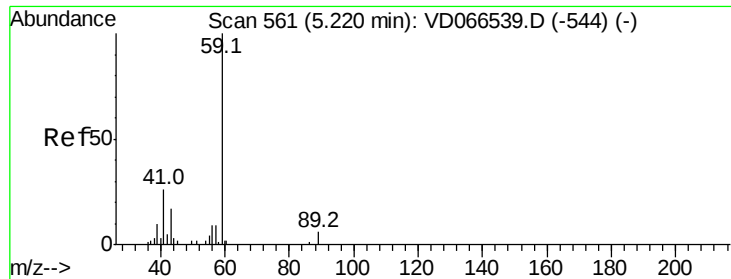


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



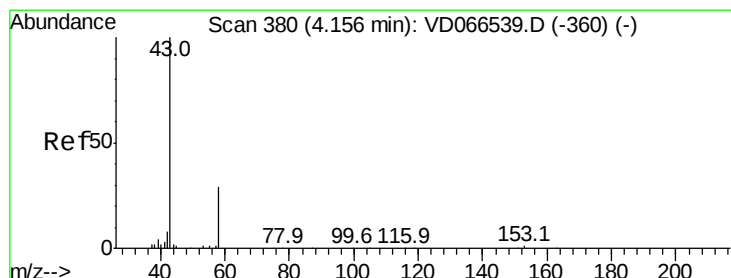
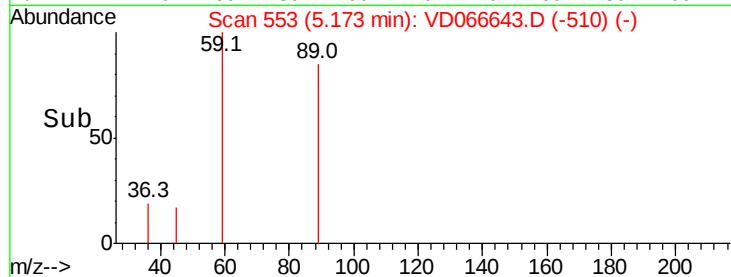
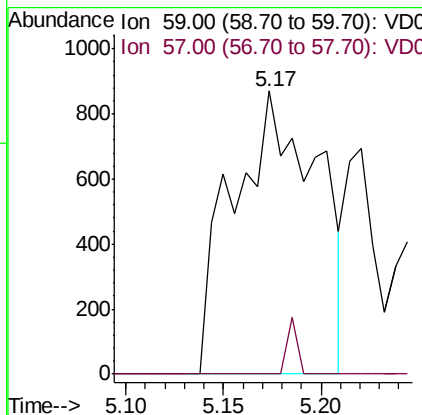
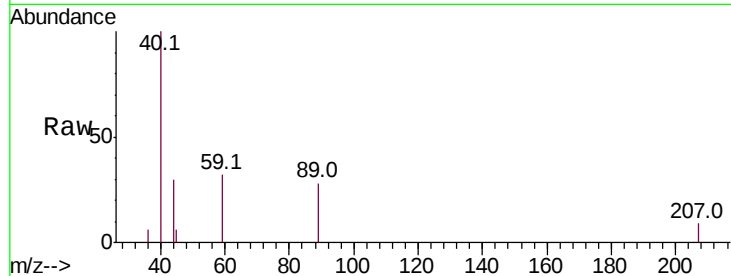


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 553
 Delta R.T. -0.05 min
 Lab File: VD066643.D
 Acq: 11 Sep 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :

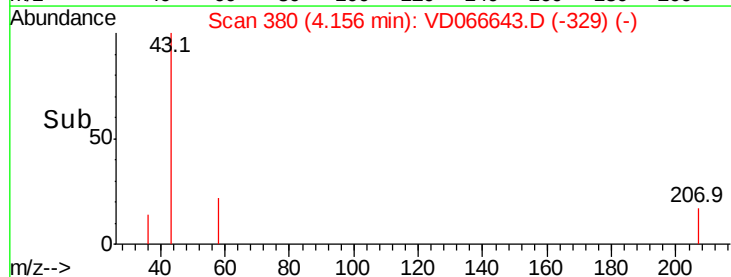
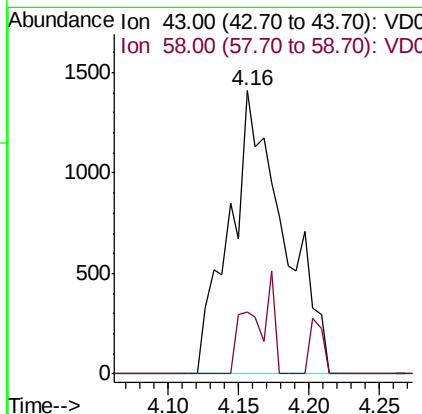
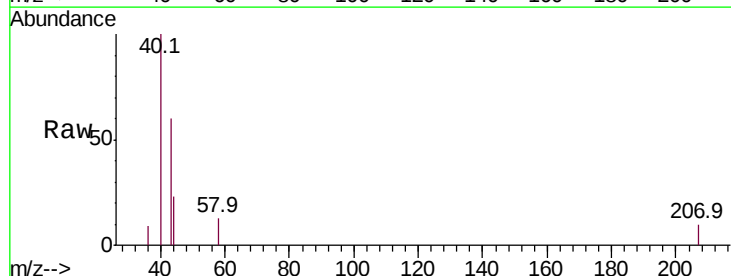
Tot Ion: 59 Resp: 2617
 Ion Ratio Lower Upper
 59 100
 57 2.4 7.6 11.4#

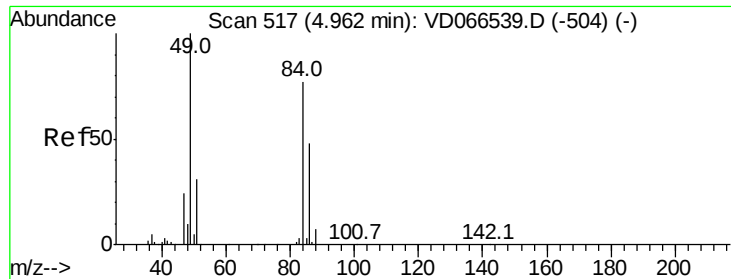


#16

Acetone
 Concen: 4.240 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD066643.D
 Acq: 11 Sep 2020 12:47

Tgt Ion: 43 Resp: 3772
 Ion Ratio Lower Upper
 43 100
 58 21.8 22.9 34.3#

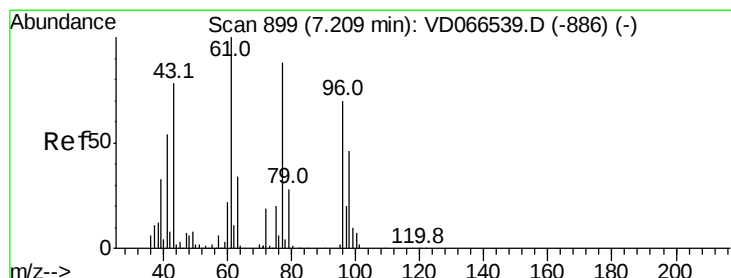
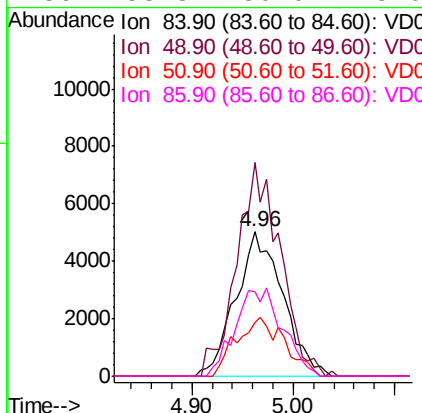
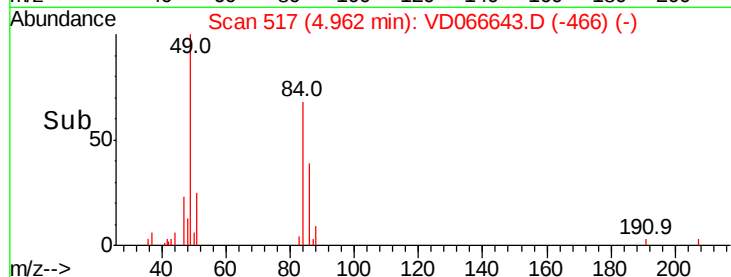
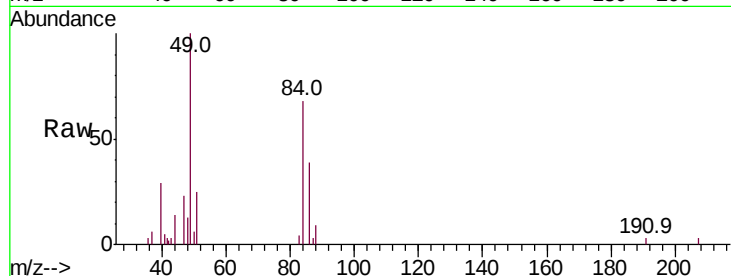




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066643.D
Acq: 11 Sep 2020 12:47

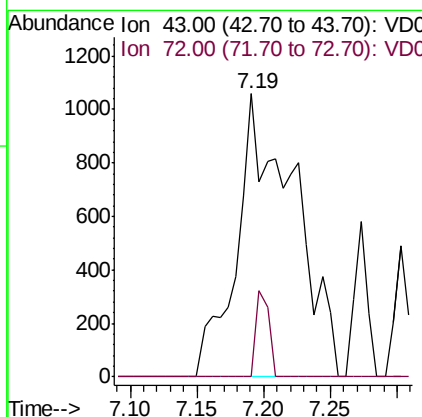
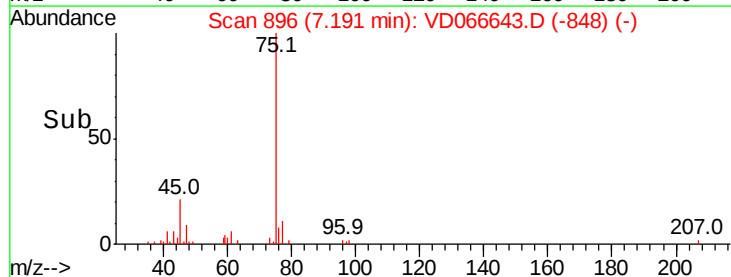
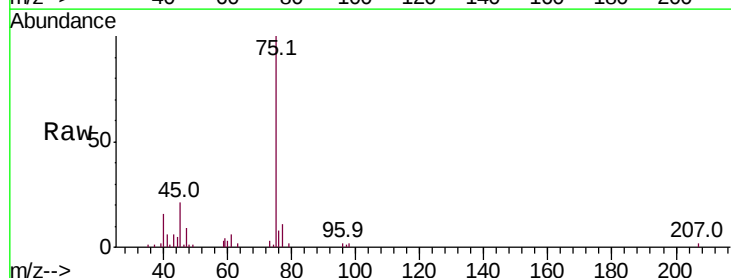
Instrument :
MSVOA_D
ClientSampled :

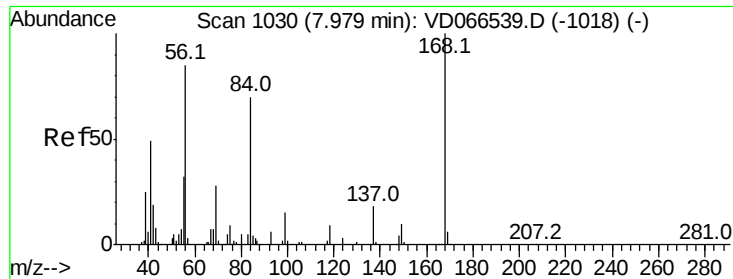
Tot Ion: 84 Resp: 16133
Ion Ratio Lower Upper
84 100
49 147.8 104.3 156.5
51 37.2 32.2 48.4
86 58.3 50.0 75.0



#25
2-Butanone
Concen: 2.649 ug/l
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD066643.D
Acq: 11 Sep 2020 12:47

Tgt Ion: 43 Resp: 3164
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#

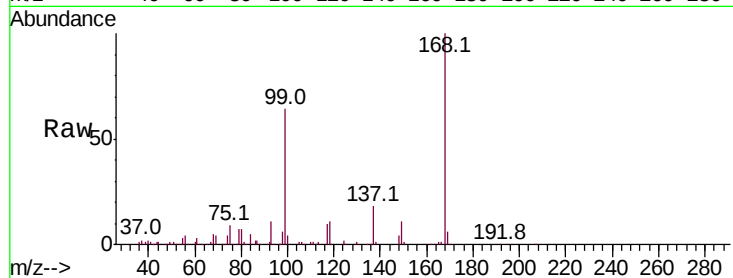




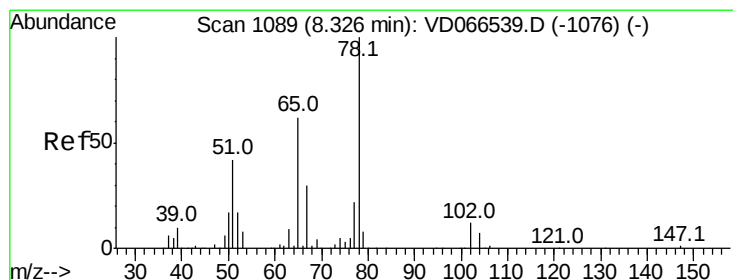
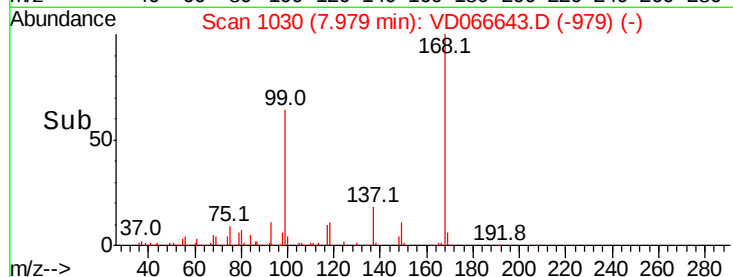
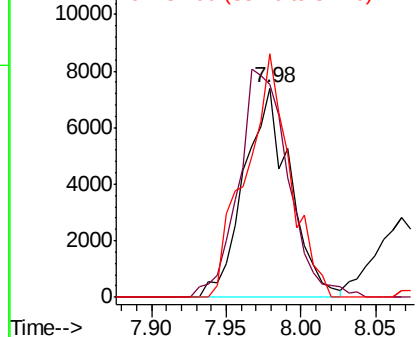
#31
Cyclohexane
Concen: 2.010 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066643.D
Acq: 11 Sep 2020 12:47

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 15859
Ion Ratio Lower Upper
56 100
69 101.5 26.3 39.5#
84 116.2 66.1 99.1#

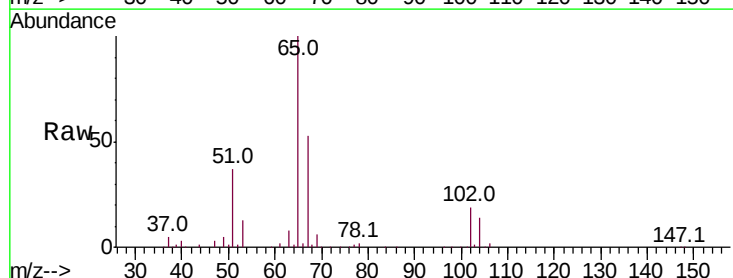


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

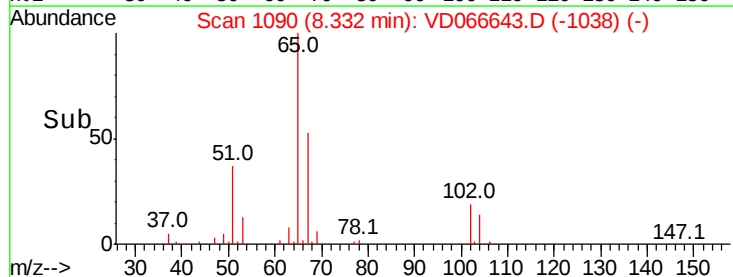
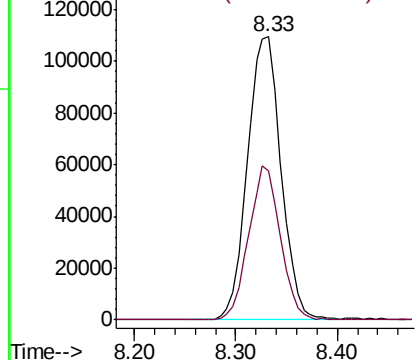


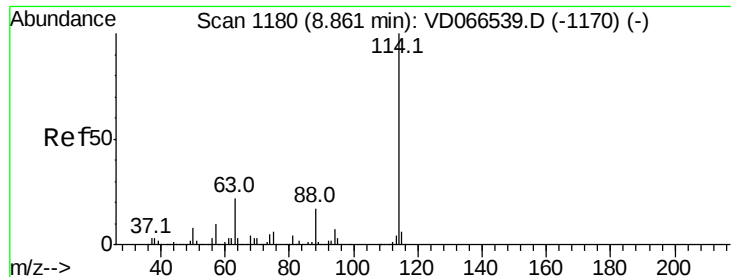
#33
1,2-Dichloroethane-d4
Concen: 51.974 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VD066643.D
Acq: 11 Sep 2020 12:47

Tgt Ion: 65 Resp: 251314
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

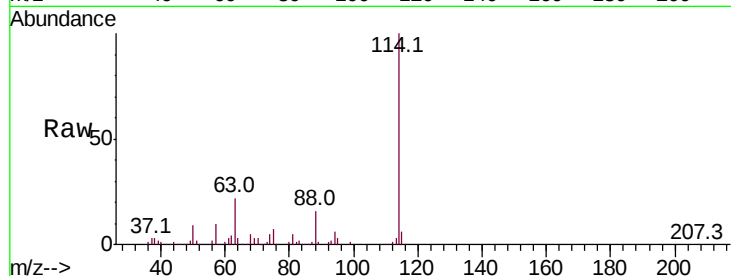




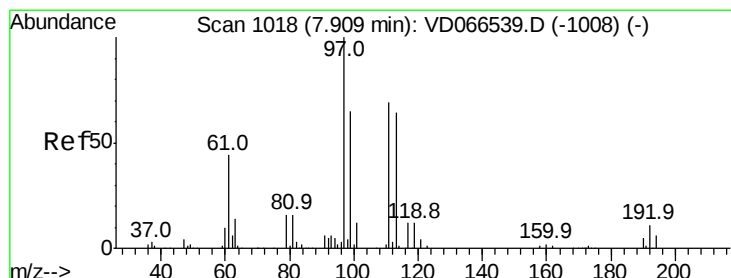
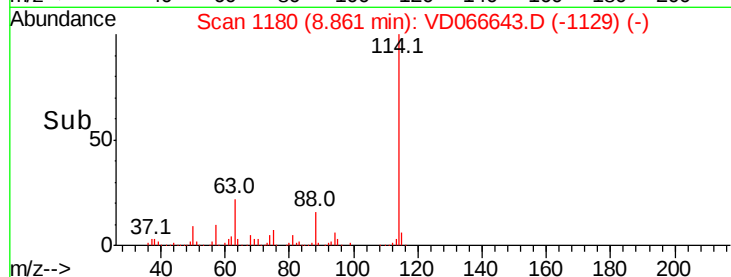
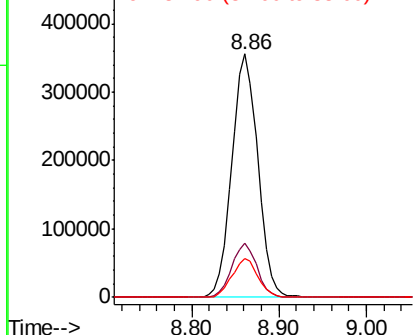
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD066643.D
Acq: 11 Sep 2020 12:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.2
88	16.1	0.0	33.2

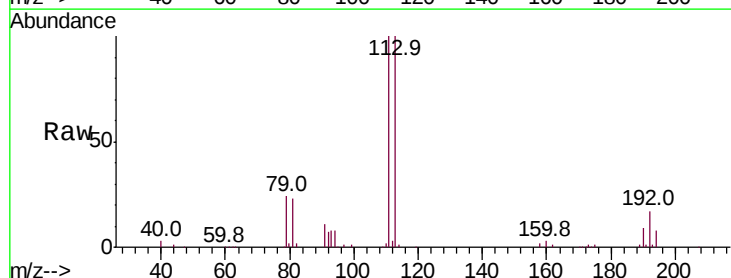


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

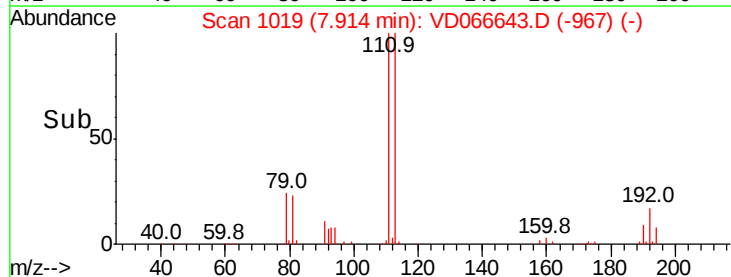
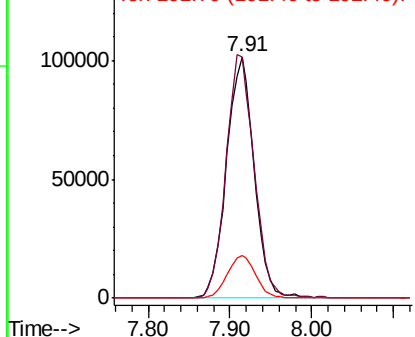


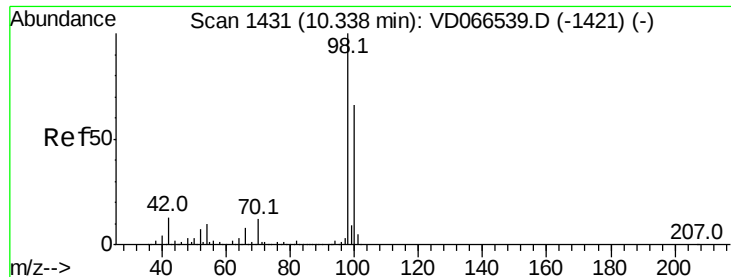
#35
Dibromofluoromethane
Concen: 49.649 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066643.D
Acq: 11 Sep 2020 12:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.2	124.8
192	18.0	13.7	20.5



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

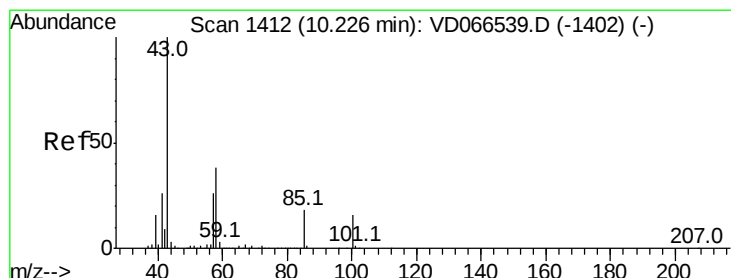
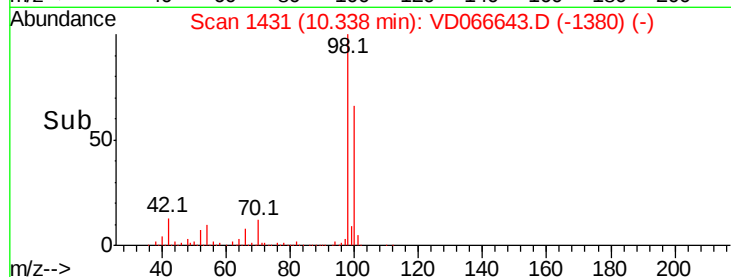
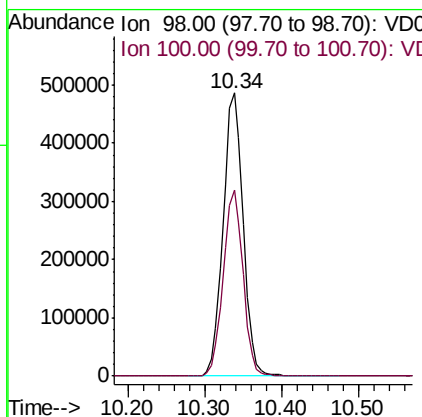
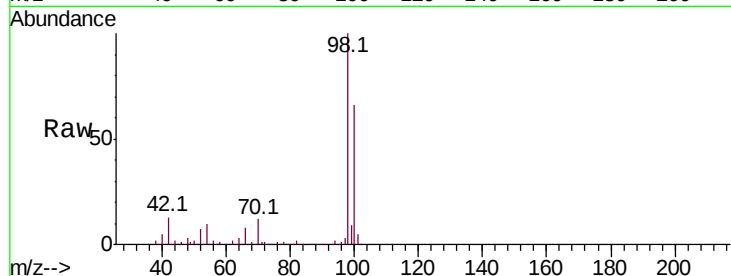




#50
Toluene-d8
Concen: 51.173 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066643.D
Acq: 11 Sep 2020 12:47

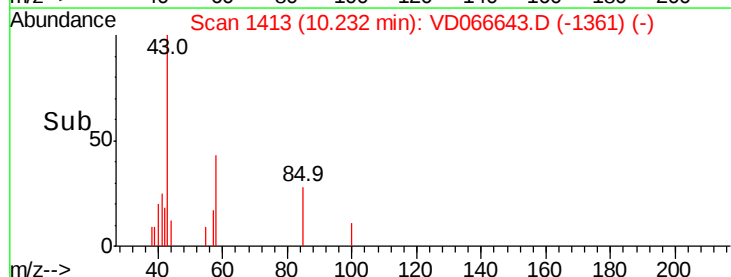
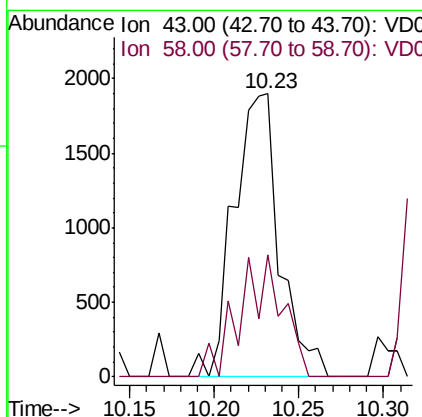
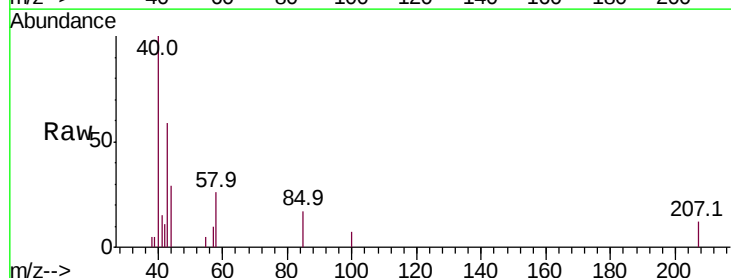
Instrument :
MSVOA_D
ClientSampleId :

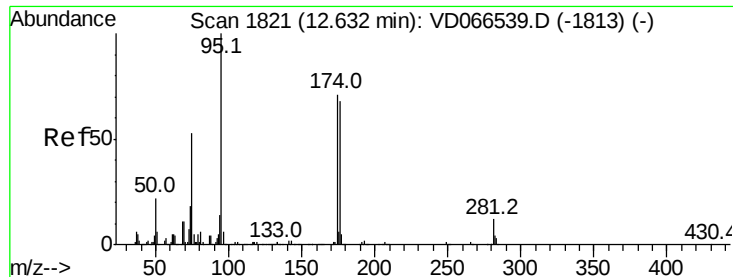
Tot Ion: 98 Resp: 883117
Ion Ratio Lower Upper
98 100
100 64.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.256 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.01 min
Lab File: VD066643.D
Acq: 11 Sep 2020 12:47

Tgt Ion: 43 Resp: 3600
Ion Ratio Lower Upper
43 100
58 40.0 30.5 45.7





#62

4-Bromofluorobenzene

Concen: 50.146 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066643.D

Acq: 11 Sep 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

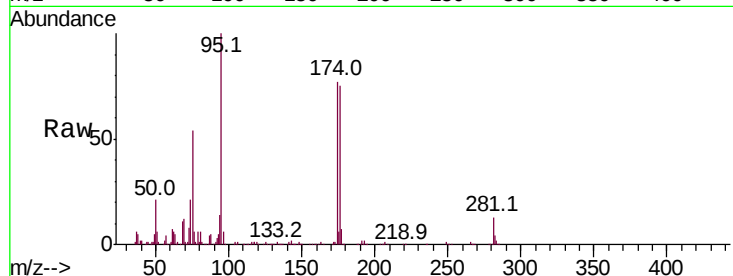
Tot Ion: 95 Resp: 286951

Ion Ratio Lower Upper

95 100

174 76.0 0.0 155.8

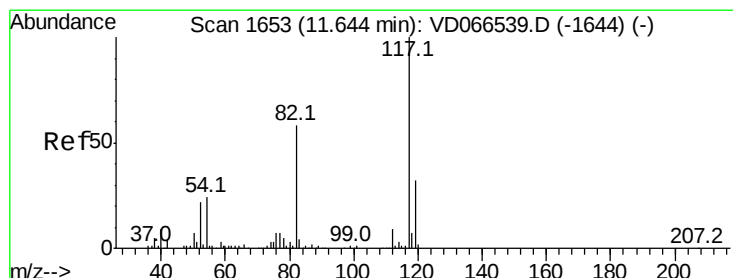
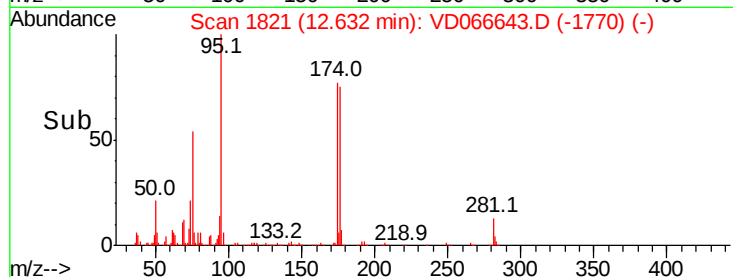
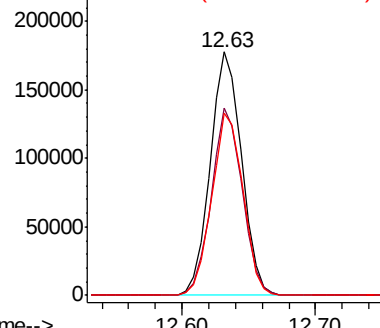
176 74.6 0.0 148.6



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. 0.00 min

Lab File: VD066643.D

Acq: 11 Sep 2020 12:47

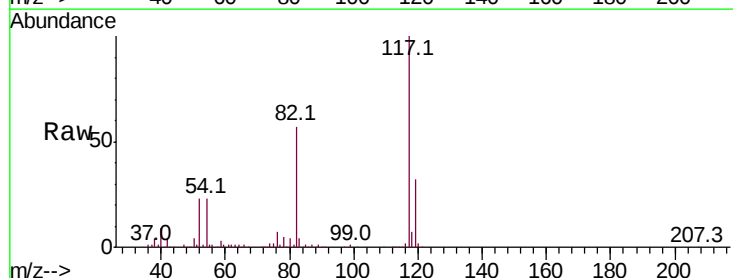
Tgt Ion: 117 Resp: 675946

Ion Ratio Lower Upper

117 100

82 56.9 46.2 69.2

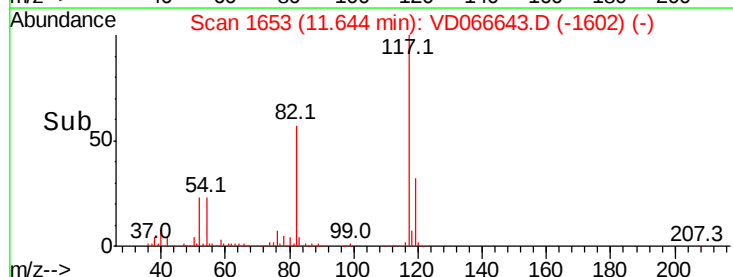
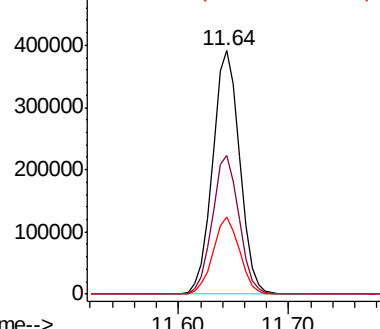
119 31.7 25.8 38.8

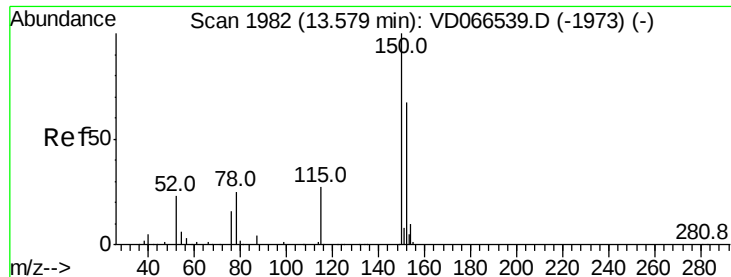


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066643.D

Acq: 11 Sep 2020 12:47

Instrument :

MSVOA_D

ClientSampleId :

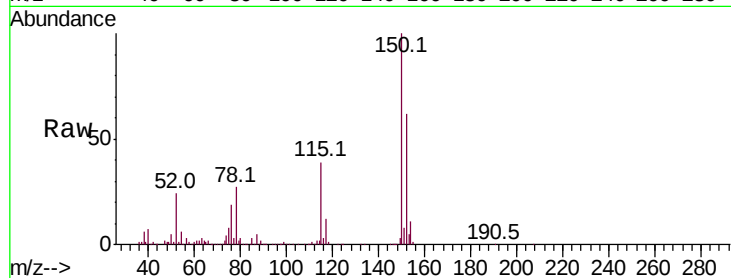
Tot Ion:152 Resp: 290338

Ion Ratio Lower Upper

152 100

115 61.9 30.4 91.2

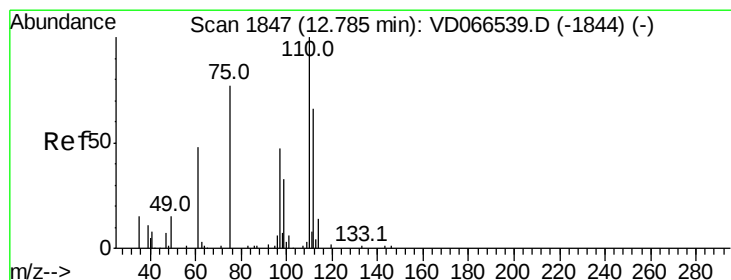
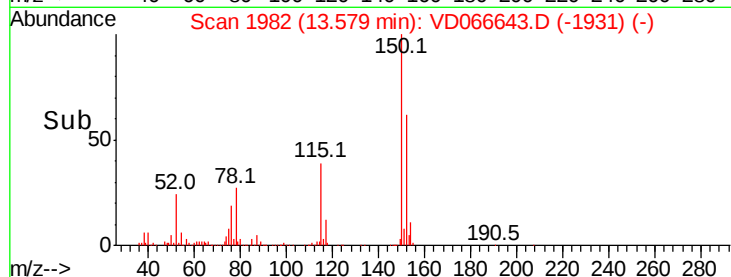
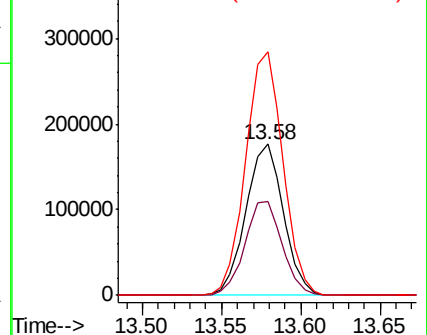
150 160.5 0.0 345.8



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: 57.995 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066643.D

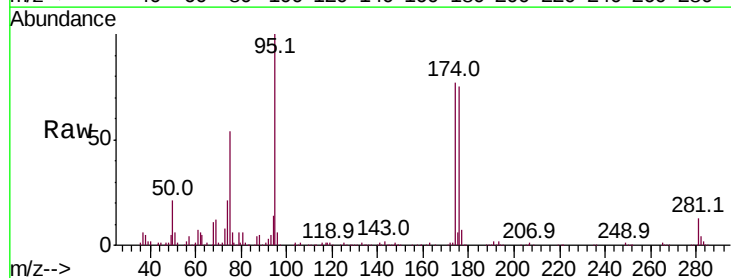
Acq: 11 Sep 2020 12:47

Tgt Ion: 75 Resp: 161938

Ion Ratio Lower Upper

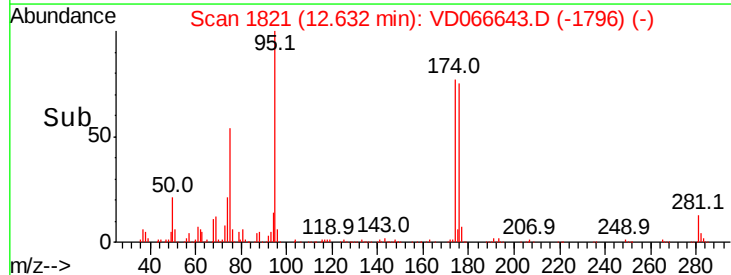
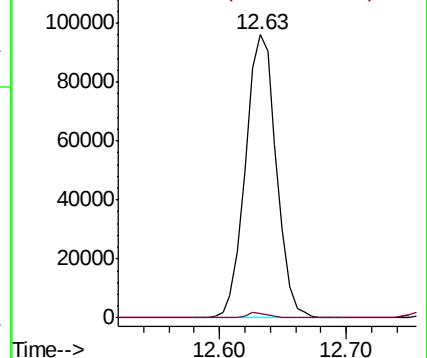
75 100

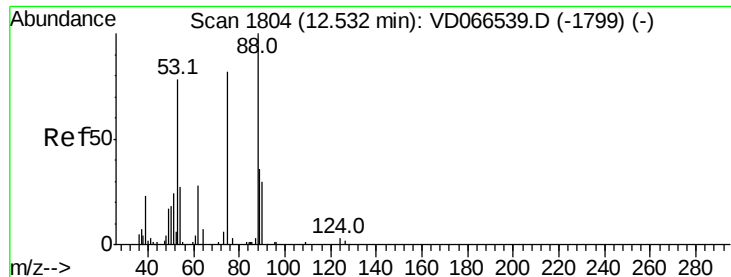
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.398 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066643.D
 Acq: 11 Sep 2020 12:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 161938
 Ion Ratio Lower Upper
 75 100
 53 0.1 87.0 130.4#
 89 0.3 37.1 55.7#

