

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066689.D
 Acq On : 15 Sep 2020 00:16
 Operator : VA/SY
 Sample : L3998-04
 Misc : 8.84G/5.00ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 02:41:59 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	362332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	677991	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	648756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	239444	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	
35) Dibromofluoromethane	7.91	113	236442	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
50) Toluene-d8	10.34	98	846944	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
62) 4-Bromofluorobenzene	12.63	95	283352	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	

Target Compounds

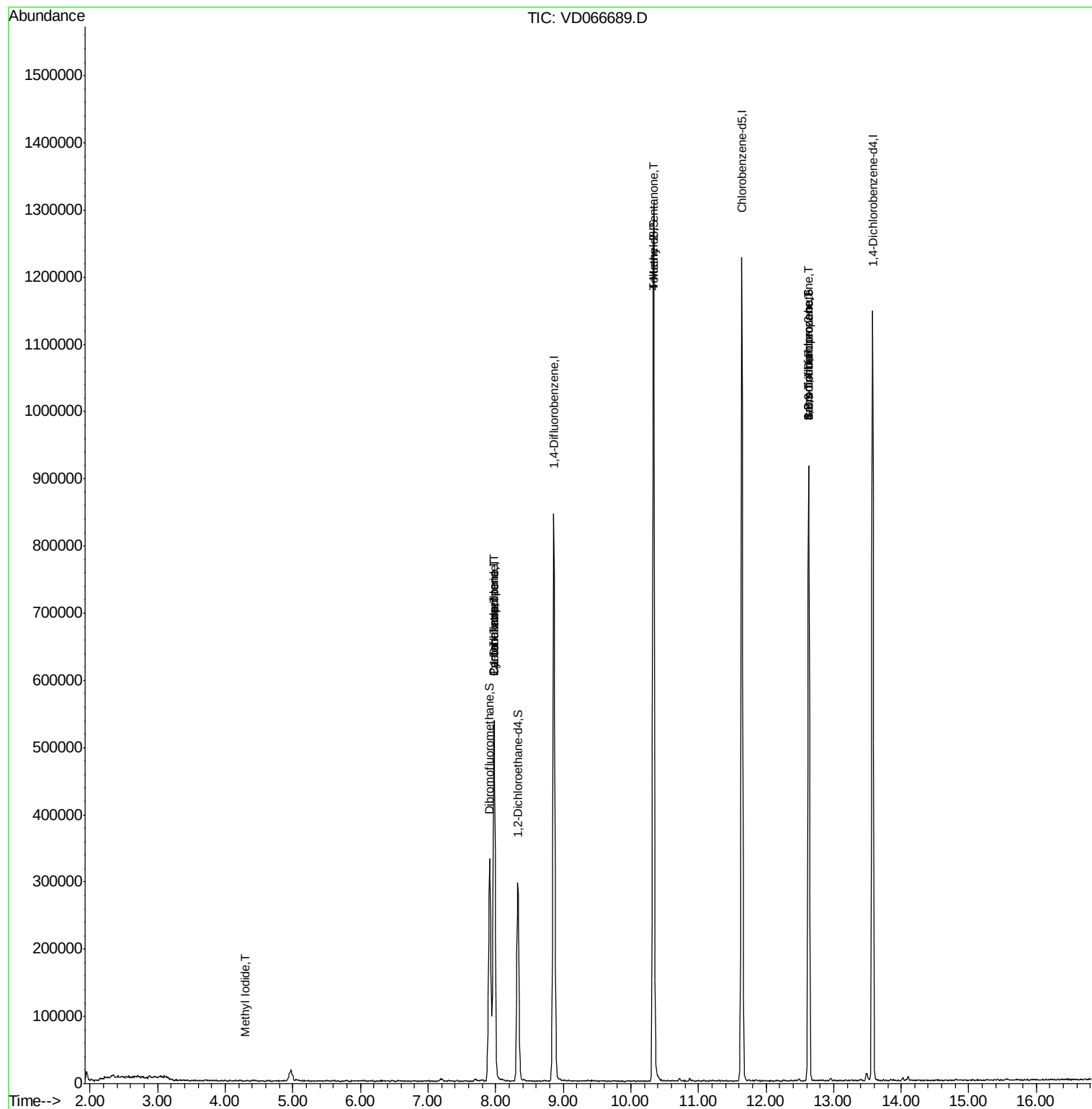
						Qvalue
2) Dichlorodifluoromethane	1.99	85	191	Below Cal	#	46
5) Bromomethane	2.75	94	94	Below Cal	#	9
10) Methyl Iodide	4.30	142	219	4.078	ug/l #	35
11) Tert butyl alcohol	5.16	59	92	Below Cal	#	74
20) Methylene Chloride	4.96	84	5357	Below Cal	#	77
31) Cyclohexane	7.98	56	10386	1.452	ug/l #	3
36) 1,1-Dichloropropene	7.98	75	35133	4.979	ug/l #	50
38) Carbon Tetrachloride	7.98	117	42018	5.634	ug/l #	17
51) 4-Methyl-2-Pentanone	10.33	43	4048	1.491	ug/l #	1
71) Bromoform	12.63	173	2639	1.025	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	163286	59.700	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	163286	139.377	ug/l #	6

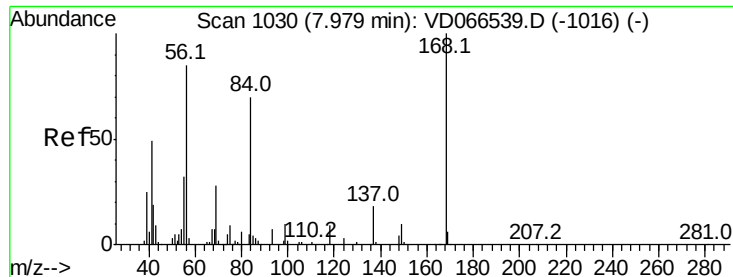
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066689.D

Acq: 15 Sep 2020 00:16

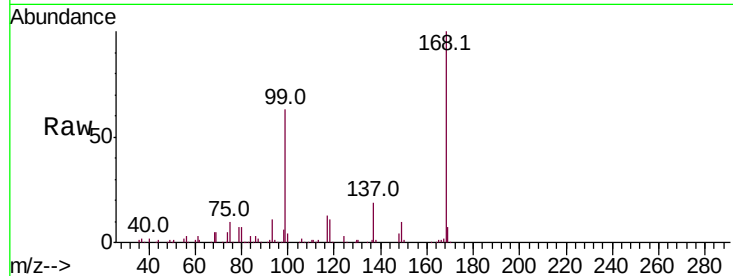
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 362332

Ion Ratio Lower Upper

168 100

99 62.8 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

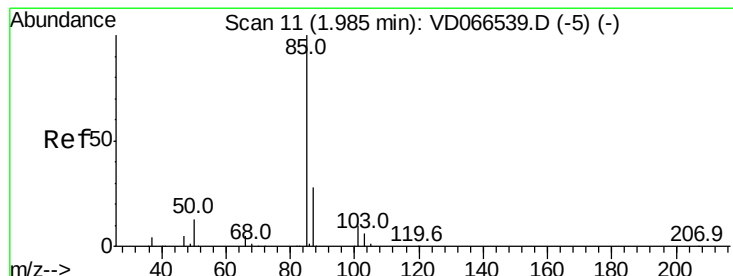
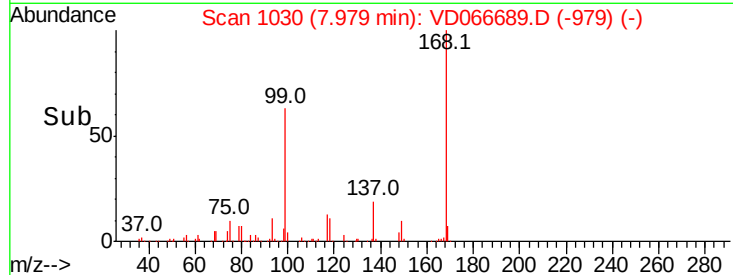
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066689.D

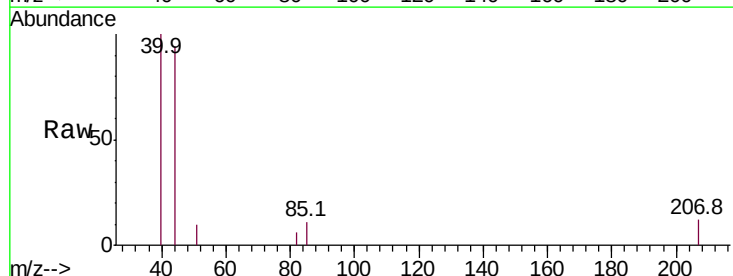
Acq: 15 Sep 2020 00:16

Tgt Ion: 85 Resp: 191

Ion Ratio Lower Upper

85 100

87 0.0 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

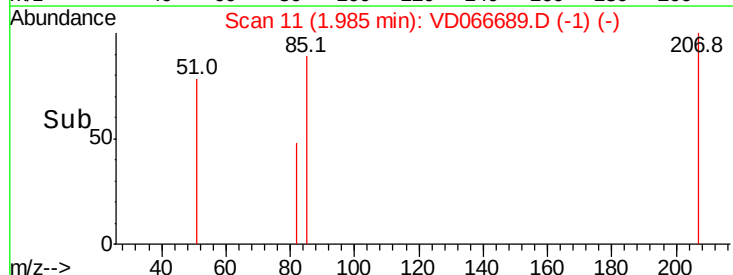
300

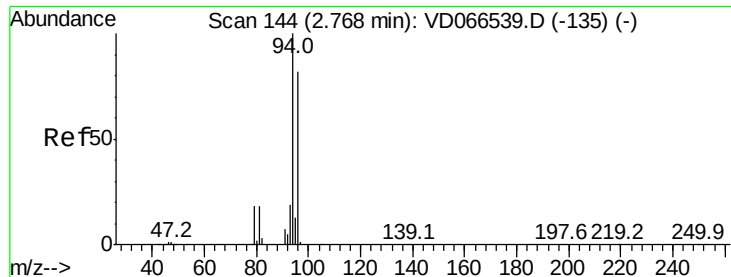
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066689.D

Acq: 15 Sep 2020 00:16

Instrument :

MSVOA_D

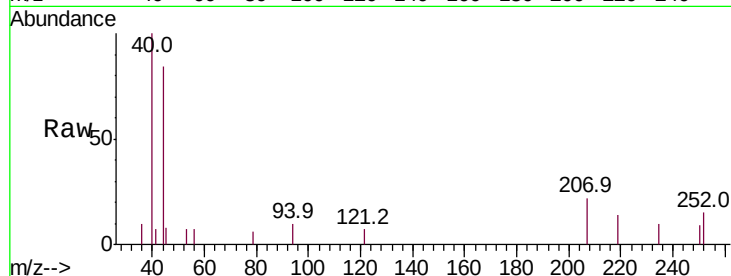
ClientSampled :

Tot Ion: 94 Resp: 94

Ion Ratio Lower Upper

94 100

96 0.0 65.2 97.8#

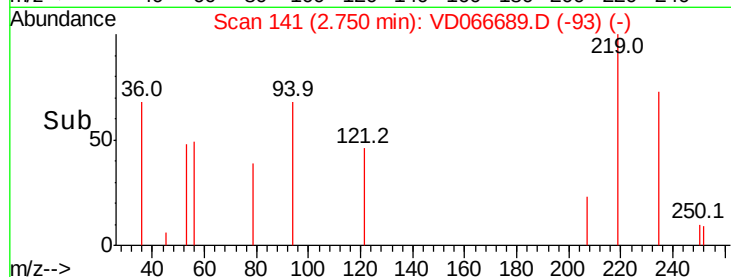


Abundance Ion 93.90 (93.60 to 94.60): VDC

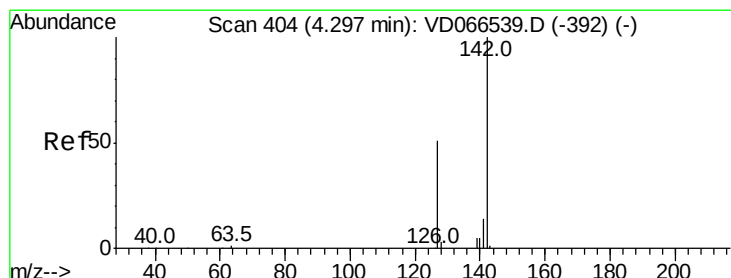
Ion 95.90 (95.60 to 96.60): VDC

2.75

2.73 2.74 2.75 2.76 2.77



Time-->



#10

Methyl Iodide

Concen: 4.078 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066689.D

Acq: 15 Sep 2020 00:16

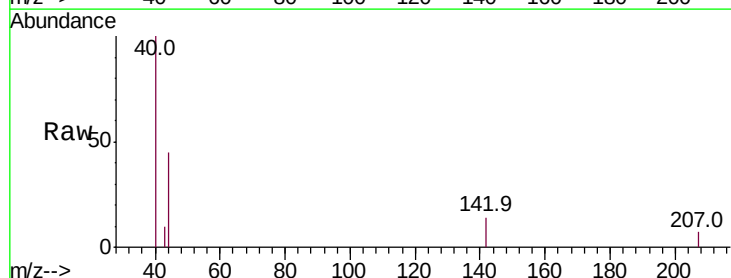
Tgt Ion: 142 Resp: 219

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

141 0.0 12.2 18.4#



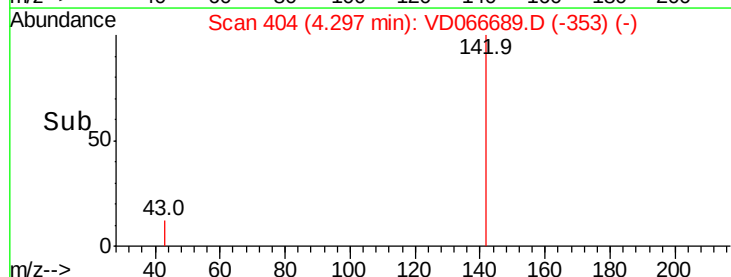
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

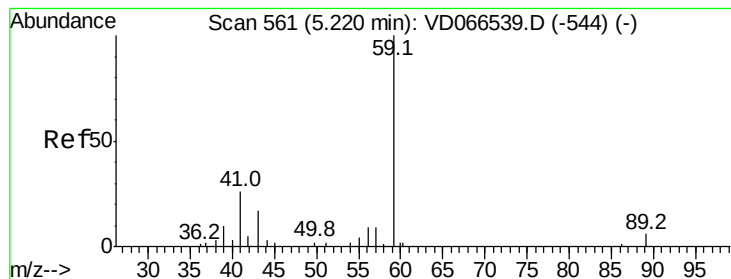
Ion 140.80 (140.50 to 141.50): V

4.30

4.27 4.28 4.29 4.30 4.31



Time-->

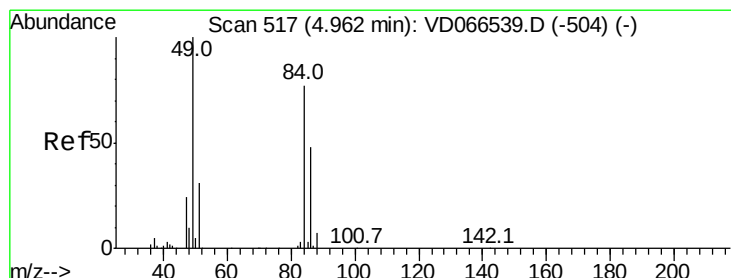
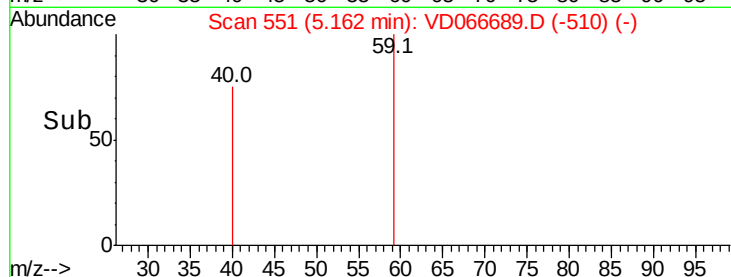
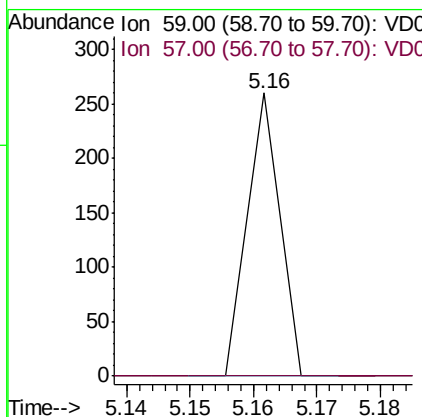
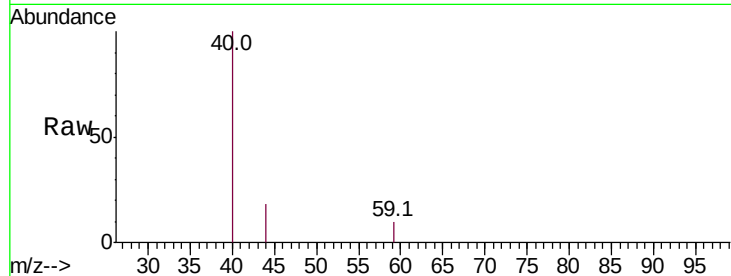


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.16 min Scan# 551
Delta R.T. -0.06 min
Lab File: VD066689.D
Acq: 15 Sep 2020 00:16

Instrument :
MSVOA_D
ClientSampleId :

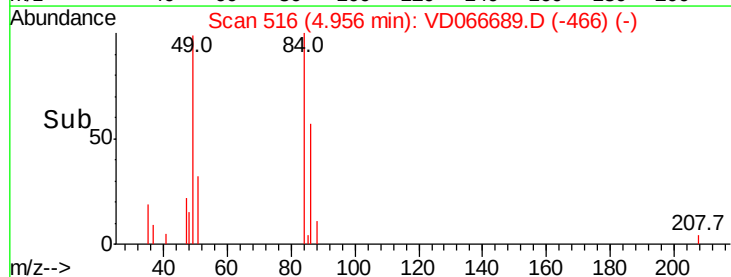
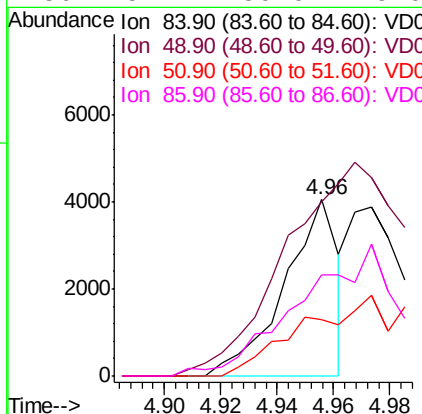
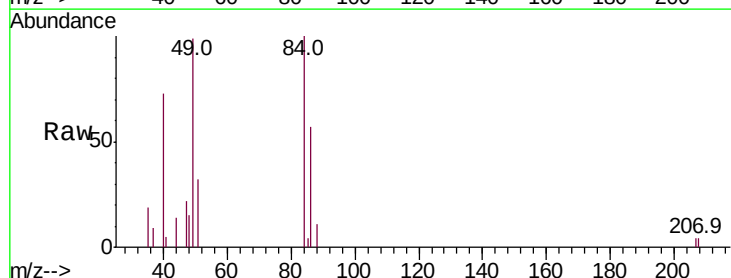
Tot Ion: 59 Resp: 92
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#

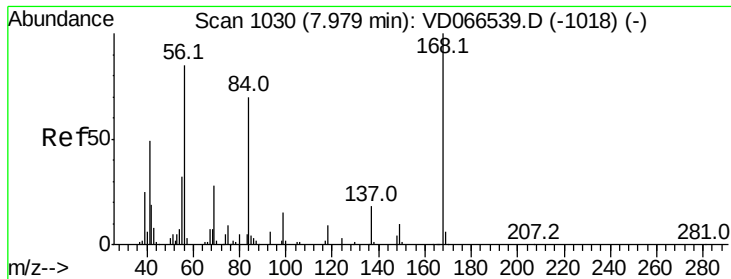


#20

Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066689.D
Acq: 15 Sep 2020 00:16

Tgt Ion: 84 Resp: 5357
Ion Ratio Lower Upper
84 100
49 94.8 104.3 156.5#
51 32.2 32.2 48.4#
86 52.7 50.0 75.0





#31

Cyclohexane

Concen: 1.452 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066689.D

Acq: 15 Sep 2020 00:16

Instrument :
MSVOA_D
ClientSampled :

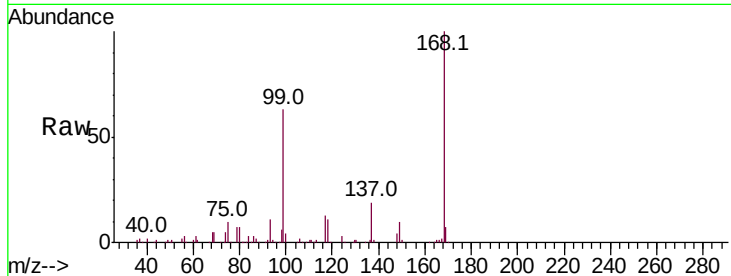
Tot Ion: 56 Resp: 10386

Ion Ratio Lower Upper

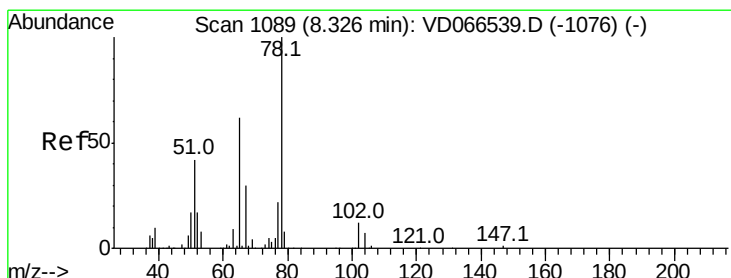
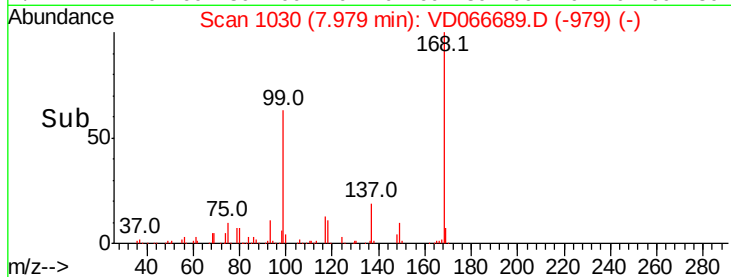
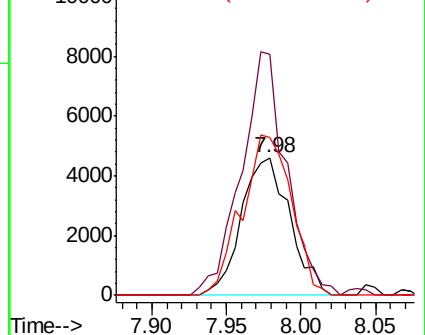
56 100

69 175.4 26.3 39.5#

84 114.5 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: 54.619 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066689.D

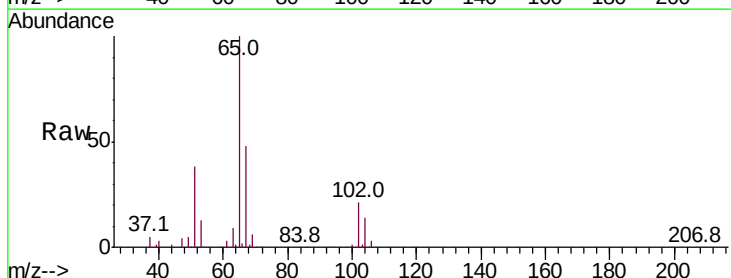
Acq: 15 Sep 2020 00:16

Tgt Ion: 65 Resp: 239444

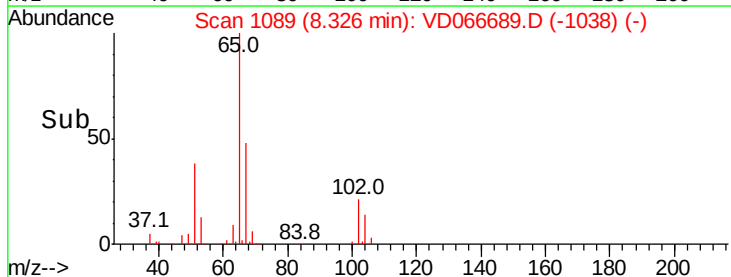
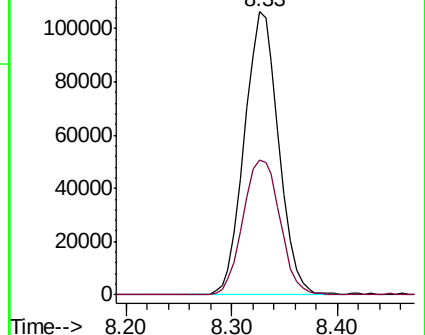
Ion Ratio Lower Upper

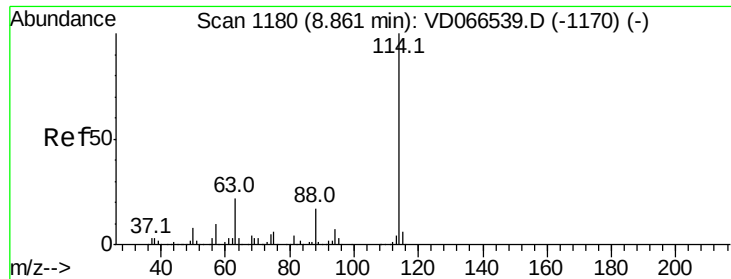
65 100

67 51.5 0.0 102.8



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

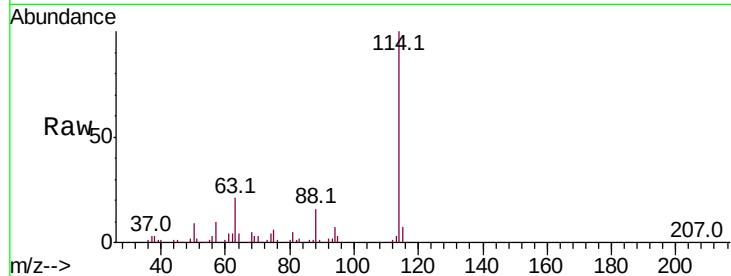




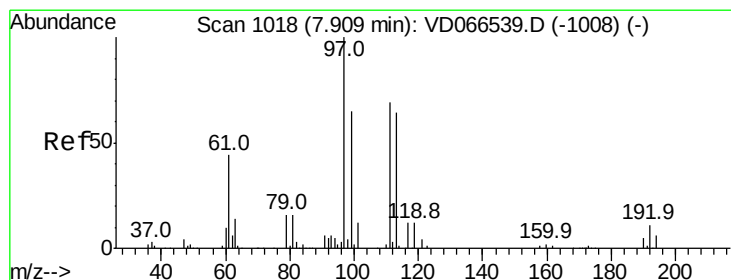
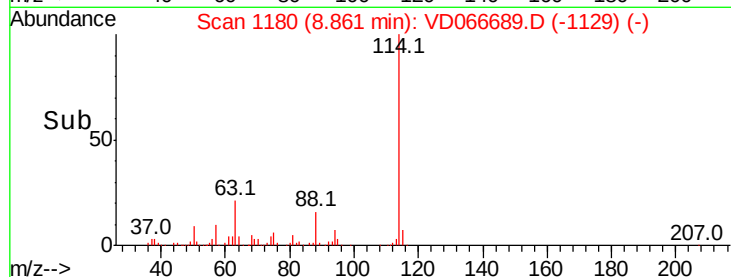
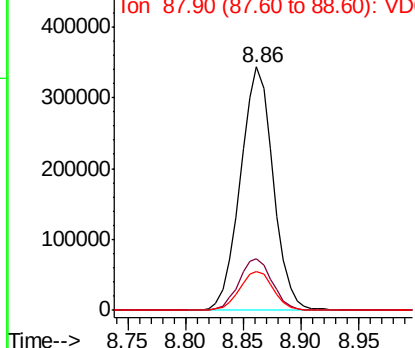
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD066689.D
Acq: 15 Sep 2020 00:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.2
88	16.0	0.0	33.2

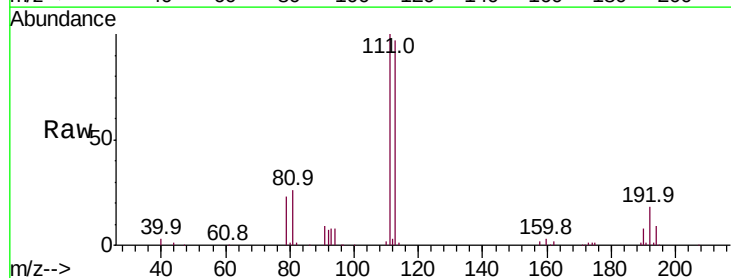


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

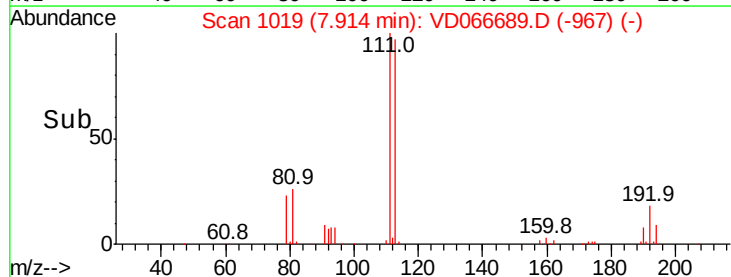
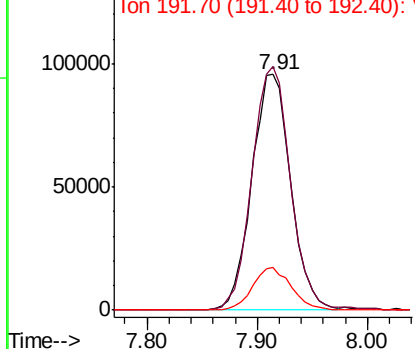


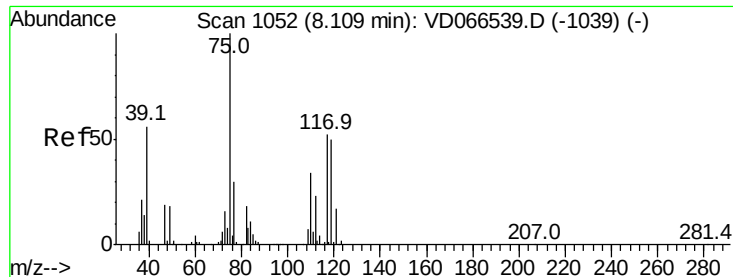
#35
Dibromofluoromethane
Concen: 51.695 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066689.D
Acq: 15 Sep 2020 00:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.2	124.8
192	17.8	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

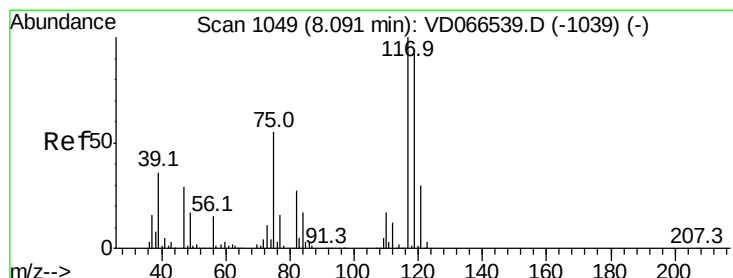
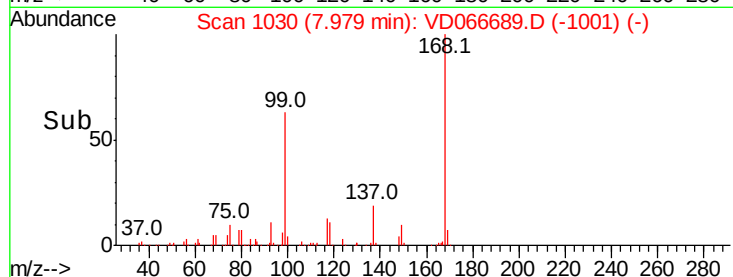
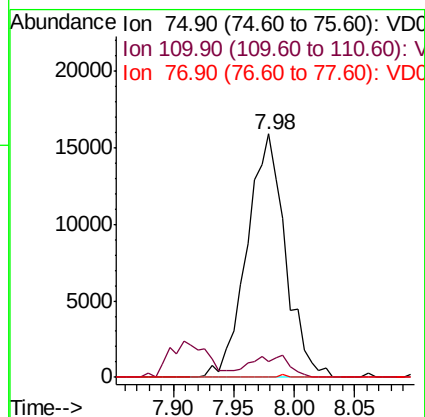
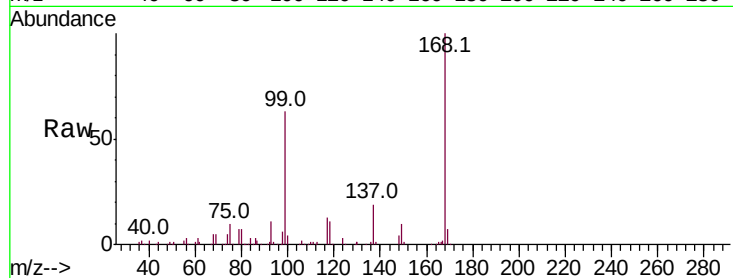




#36
 1,1-Dichloropropene
 Concen: 4.979 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066689.D
 Acq: 15 Sep 2020 00:16

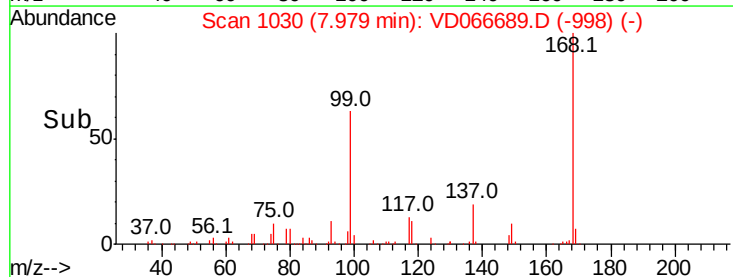
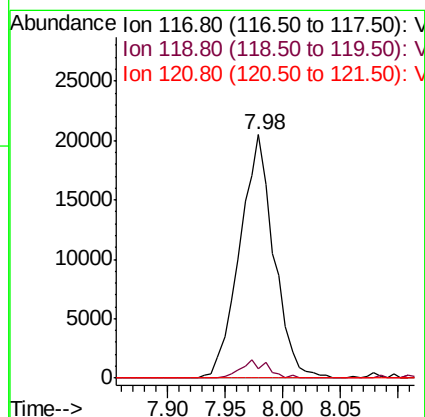
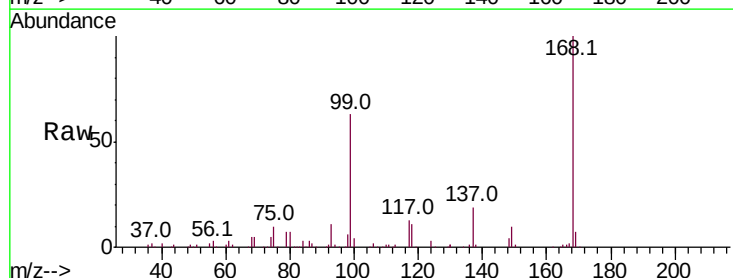
Instrument :
 MSVOA_D
 ClientSampleId :

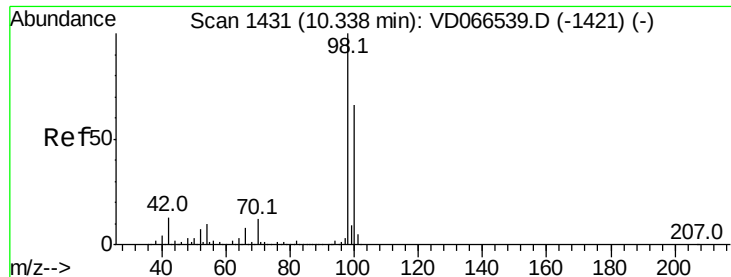
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.3	52.0#
77	0.2	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.634 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066689.D
 Acq: 15 Sep 2020 00:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	73.9	110.9#
121	0.0	24.1	36.1#

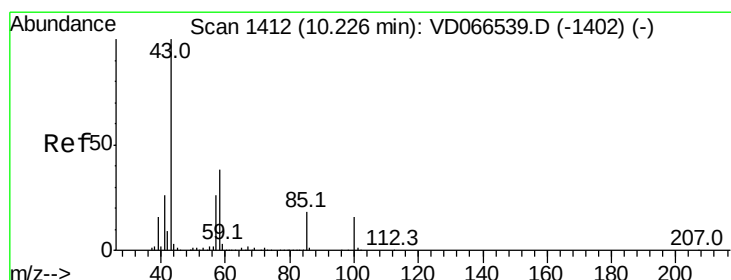
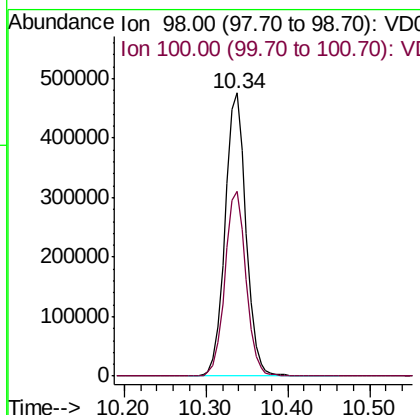
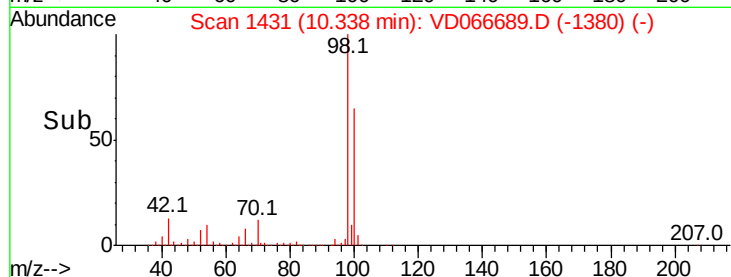
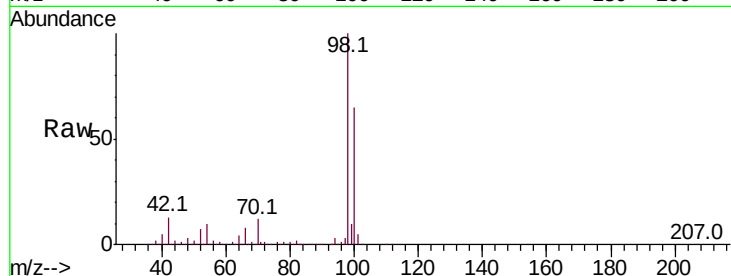




#50
Toluene-d8
Concen: 51.809 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066689.D
Acq: 15 Sep 2020 00:16

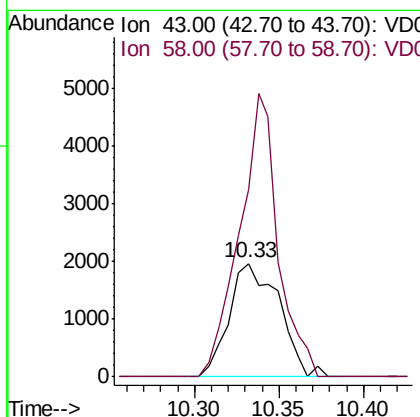
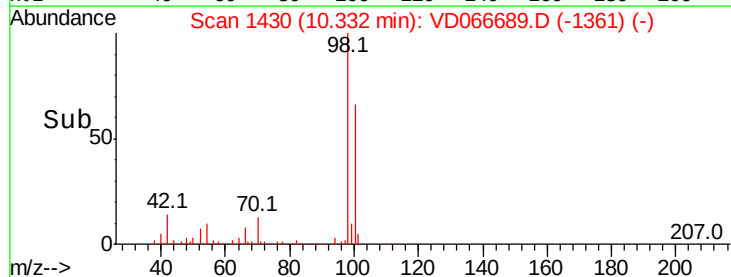
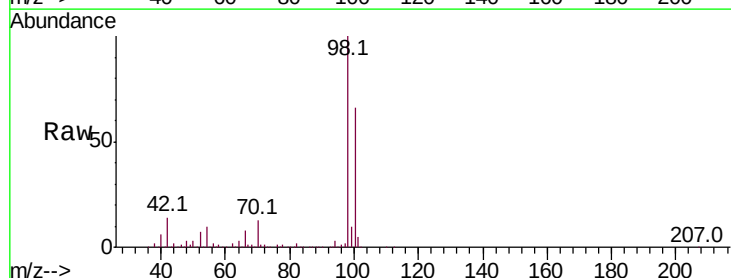
Instrument :
MSVOA_D
ClientSampleId :

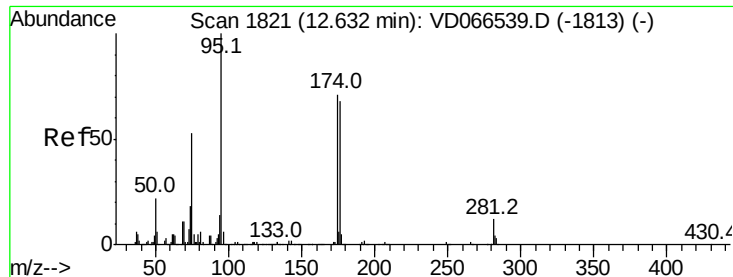
Tot Ion: 98 Resp: 846944
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.491 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD066689.D
Acq: 15 Sep 2020 00:16

Tgt Ion: 43 Resp: 4048
Ion Ratio Lower Upper
43 100
58 193.0 30.5 45.7#

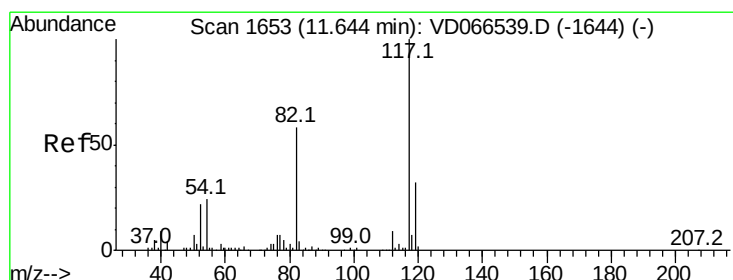
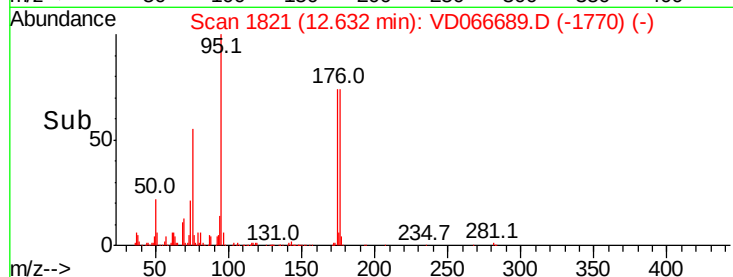
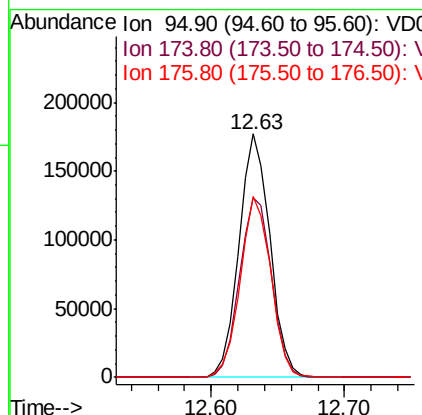
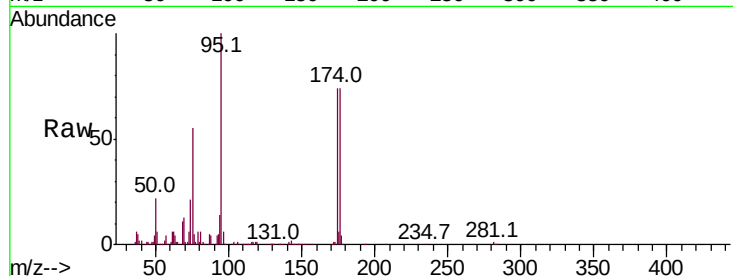




#62
4-Bromofluorobenzene
Concen: 52.273 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066689.D
Acq: 15 Sep 2020 00:16

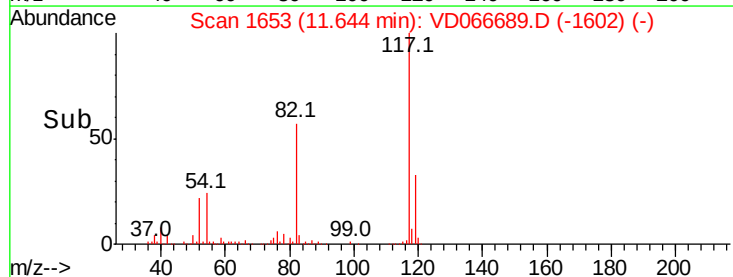
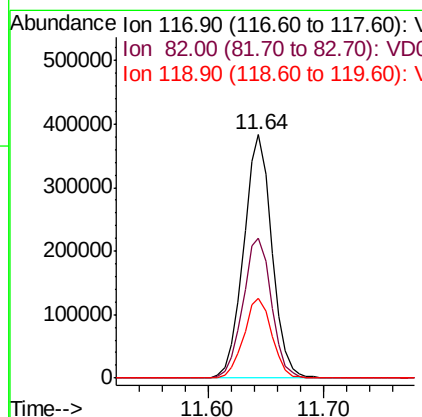
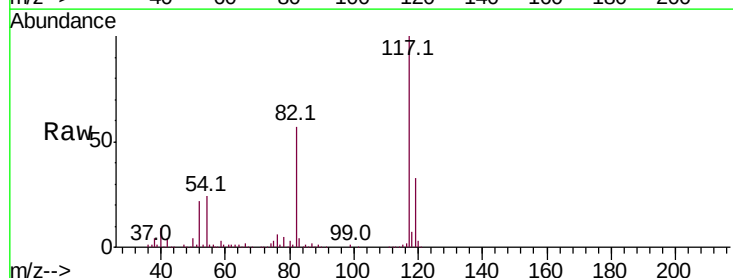
Instrument :
MSVOA_D
ClientSampleId :

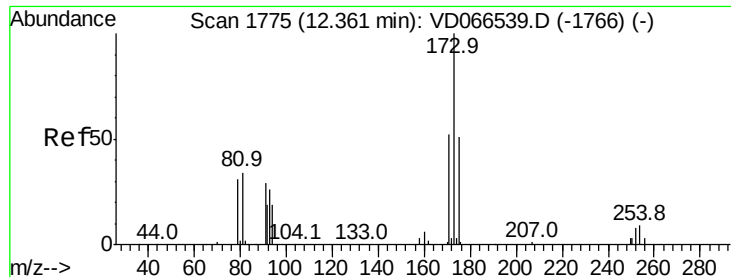
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	155.8
176	73.3	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066689.D
Acq: 15 Sep 2020 00:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.2	69.2
119	32.9	25.8	38.8





#71

Bromoform

Concen: 1.025 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD066689.D

Acq: 15 Sep 2020 00:16

Instrument :

MSVOA_D

ClientSampled :

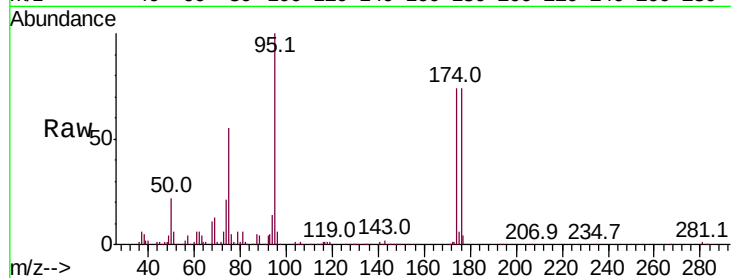
Tot Ion:173 Resp: 2639

Ion Ratio Lower Upper

173 100

175 491.7 24.2 72.6#

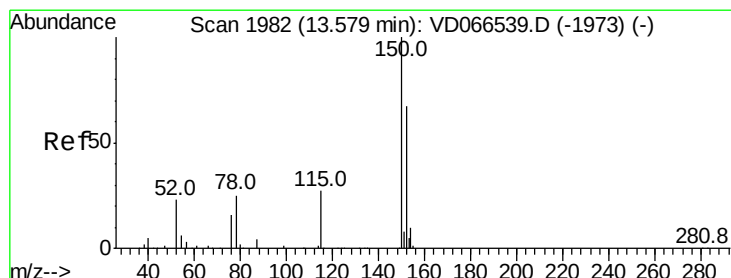
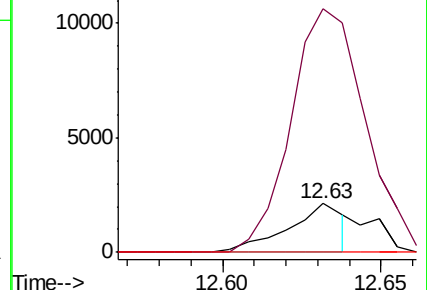
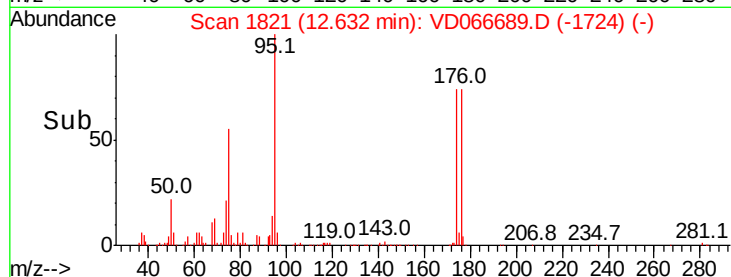
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VD066689.D

Acq: 15 Sep 2020 00:16

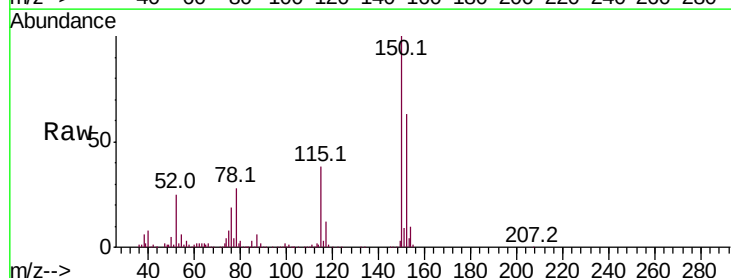
Tgt Ion:152 Resp: 284396

Ion Ratio Lower Upper

152 100

115 60.9 30.4 91.2

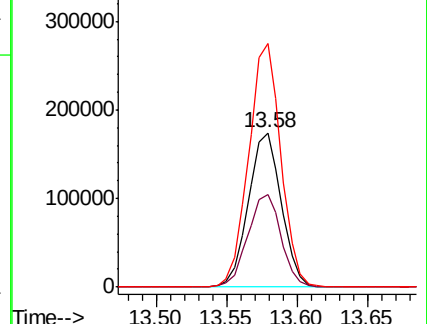
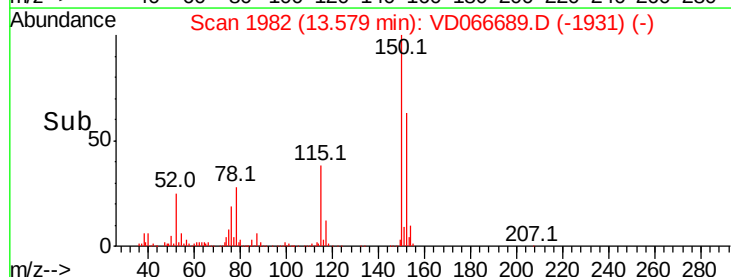
150 154.9 0.0 345.8

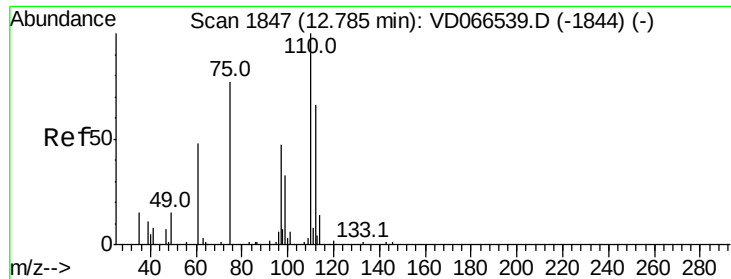


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 59.700 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066689.D

Acq: 15 Sep 2020 00:16

Instrument :

MSVOA_D

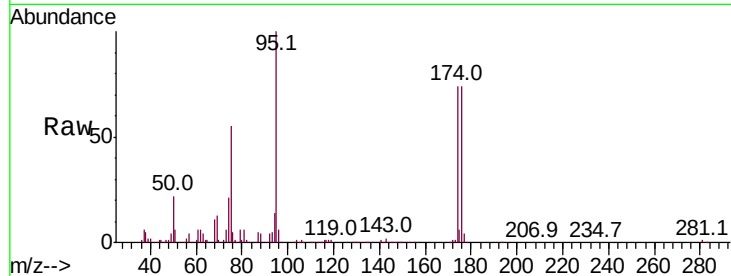
ClientSampleId :

Tot Ion: 75 Resp: 163286

Ion Ratio Lower Upper

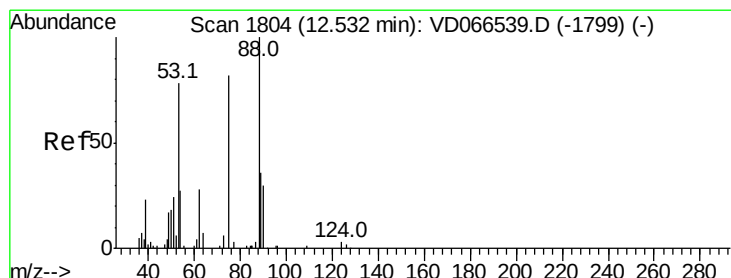
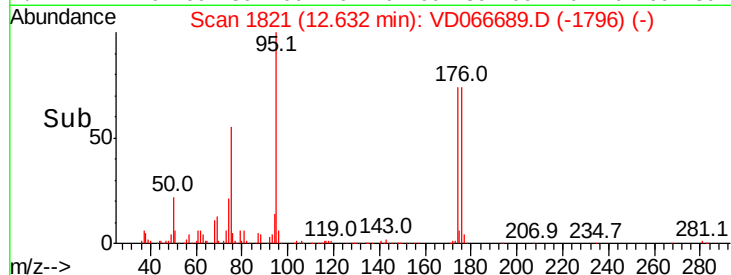
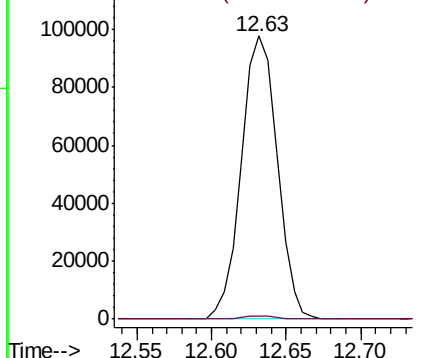
75 100

77 1.2 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: 139.377 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066689.D

Acq: 15 Sep 2020 00:16

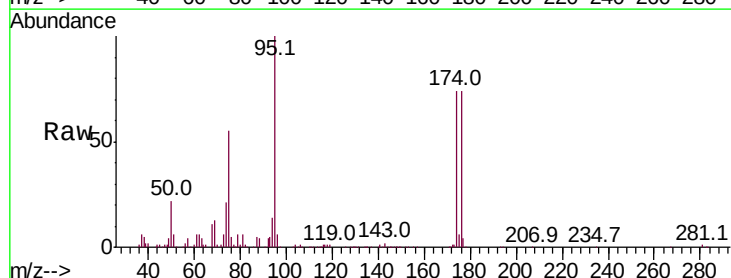
Tgt Ion: 75 Resp: 163286

Ion Ratio Lower Upper

75 100

53 0.0 87.0 130.4#

89 0.0 37.1 55.7#



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

