

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066666.D
 Acq On : 12 Sep 2020 01:08
 Operator : VA/SY
 Sample : VD0911SBL02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 12 02:35:17 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

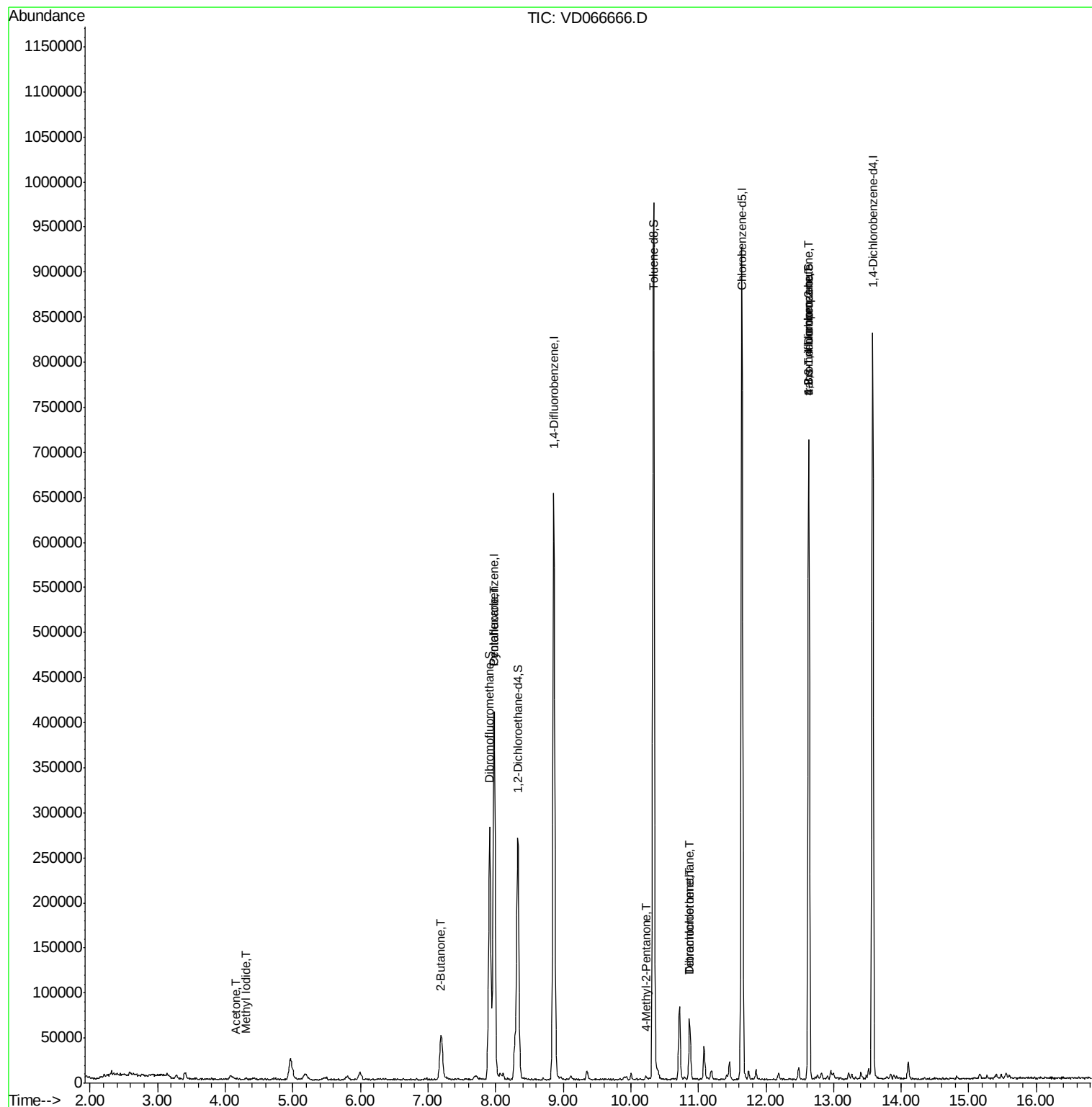
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	277782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	536873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	497343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	202833	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	212012	63.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.16%	
35) Dibromofluoromethane	7.91	113	193380	53.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.78%	
50) Toluene-d8	10.34	98	652331	50.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.63	95	202182	47.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	1508	Below Cal	#	70
5) Bromomethane	2.78	94	1390	Below Cal		93
10) Methyl Iodide	4.31	142	1571	4.532 ug/l	#	63
11) Tert butyl alcohol	5.19	59	6394	Below Cal	#	74
16) Acetone	4.16	43	1315	2.126 ug/l	#	46
20) Methylene Chloride	4.97	84	16339	Below Cal	#	70
25) 2-Butanone	7.20	43	3261	3.928 ug/l	#	51
31) Cyclohexane	7.98	56	10129	1.847 ug/l	#	30
51) 4-Methyl-2-Pentanone	10.23	43	2472	1.150 ug/l		99
60) Dibromochloromethane	10.87	129	14075	3.899 ug/l	#	10
64) Tetrachloroethene	10.87	164	12899	3.852 ug/l		93
76) 1,2,3-Trichloropropane	12.63	75	116744	59.847 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.63	75	116744	139.721 ug/l	#	6

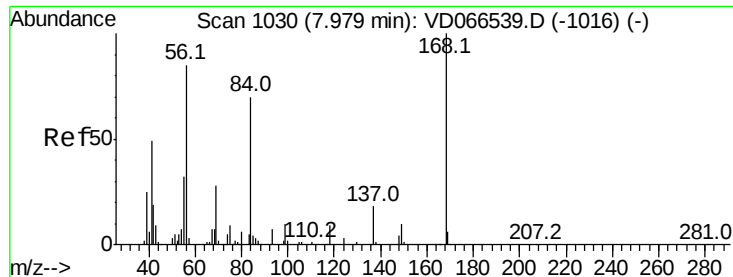
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066666.D

Acq: 12 Sep 2020 01:08

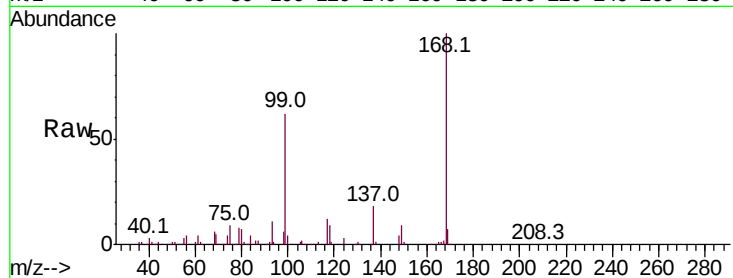
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 277782

Ion Ratio Lower Upper

168 100

99 61.7 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

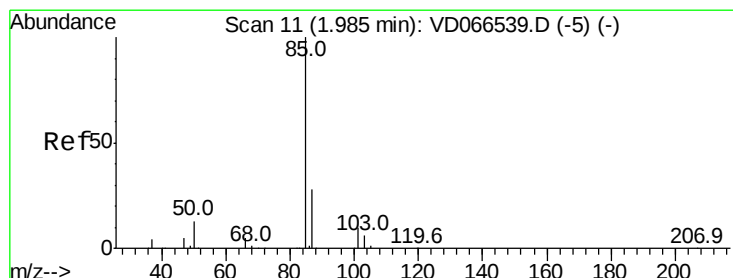
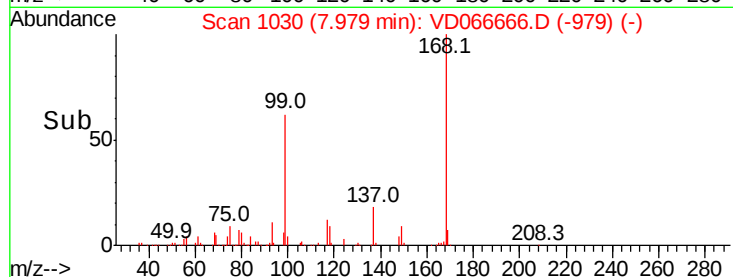
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066666.D

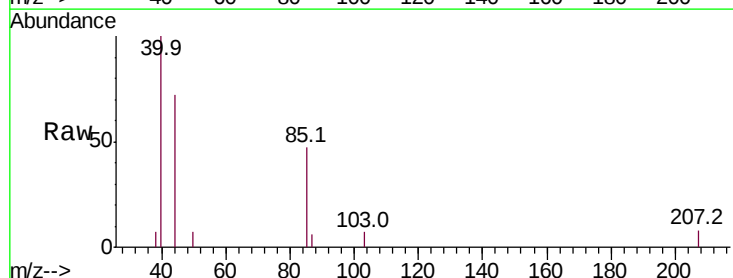
Acq: 12 Sep 2020 01:08

Tgt Ion: 85 Resp: 1508

Ion Ratio Lower Upper

85 100

87 12.6 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

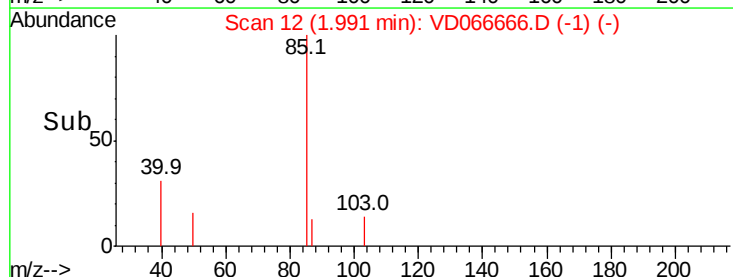
1500

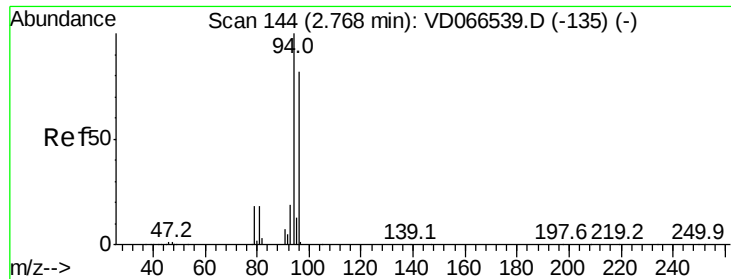
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066666.D

Acq: 12 Sep 2020 01:08

Instrument :

MSVOA_D

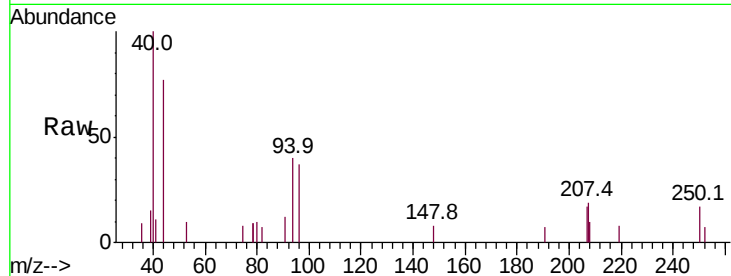
ClientSampled :

Tot Ion: 94 Resp: 1390

Ion Ratio Lower Upper

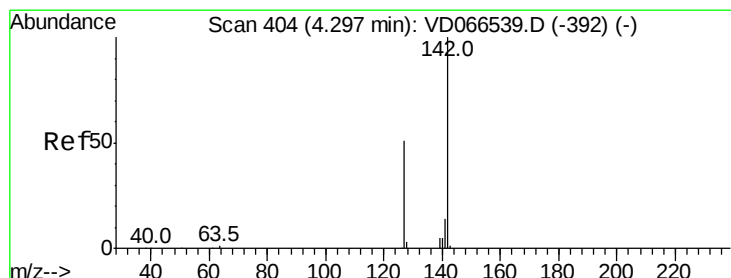
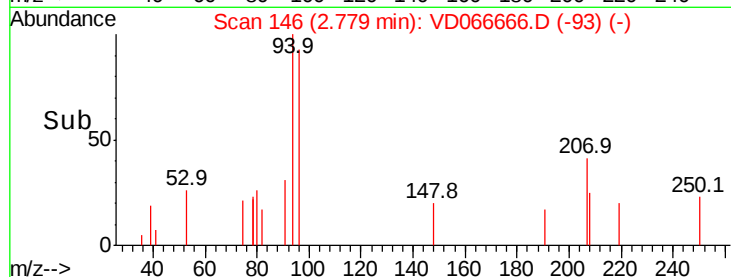
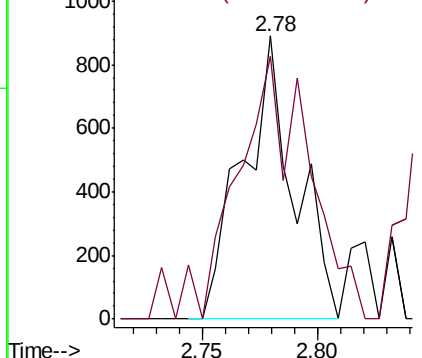
94 100

96 74.9 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: 4.532 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD066666.D

Acq: 12 Sep 2020 01:08

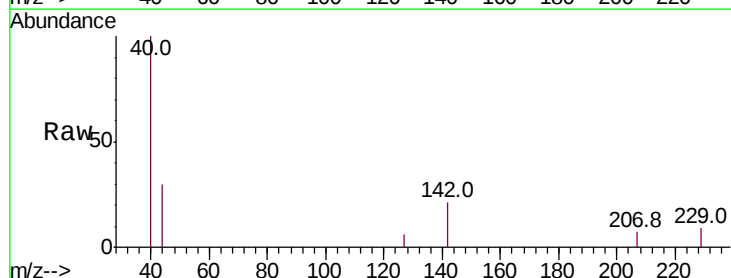
Tgt Ion: 142 Resp: 1571

Ion Ratio Lower Upper

142 100

127 25.0 40.6 61.0#

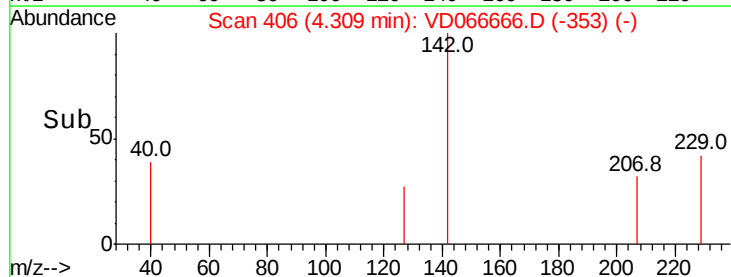
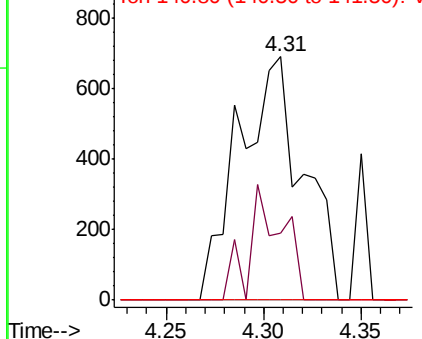
141 0.0 12.2 18.4#

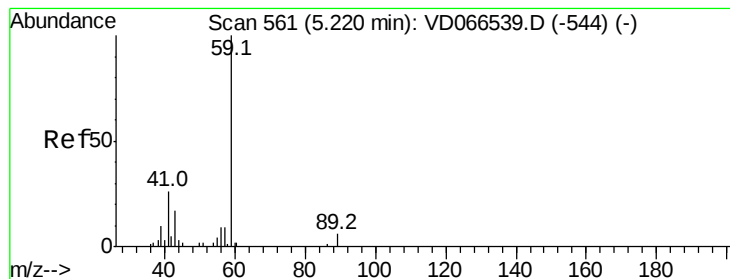


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



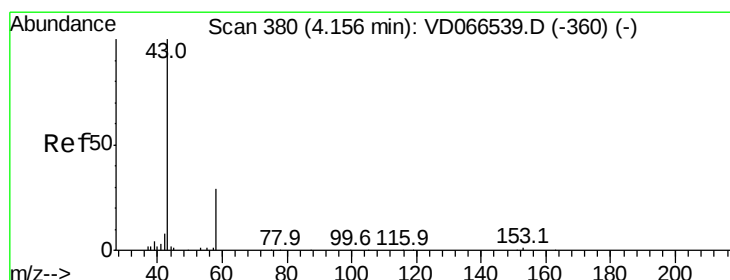
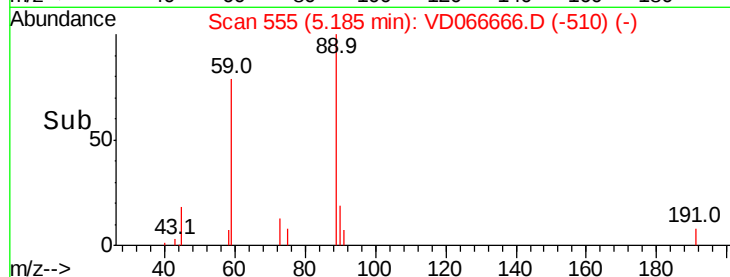
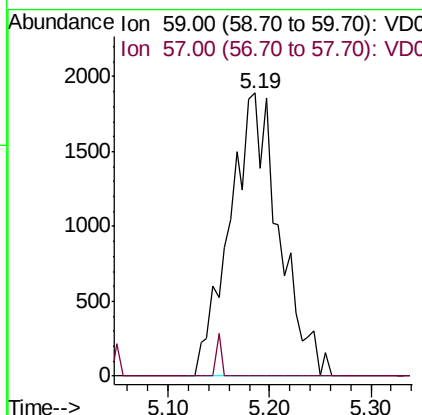
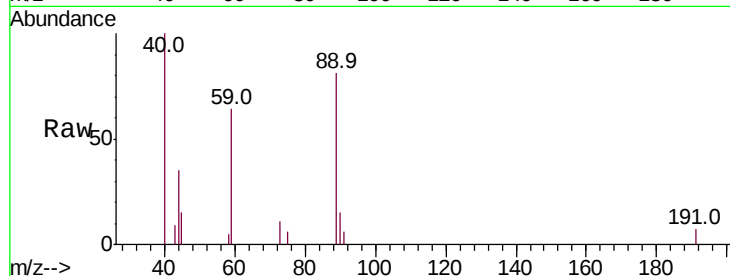


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 555
 Delta R.T. -0.03 min
 Lab File: VD066666.D
 Acq: 12 Sep 2020 01:08

Instrument :
 MSVOA_D
 ClientSampleId :

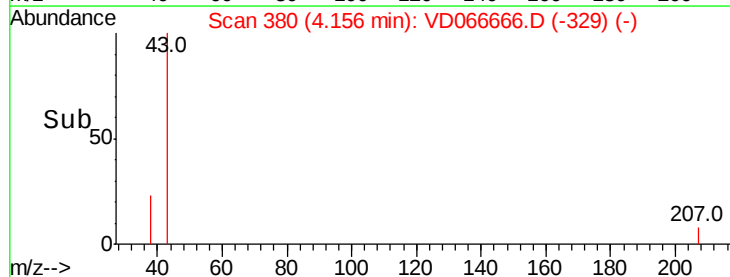
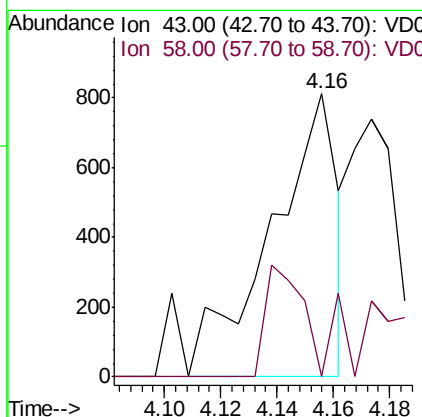
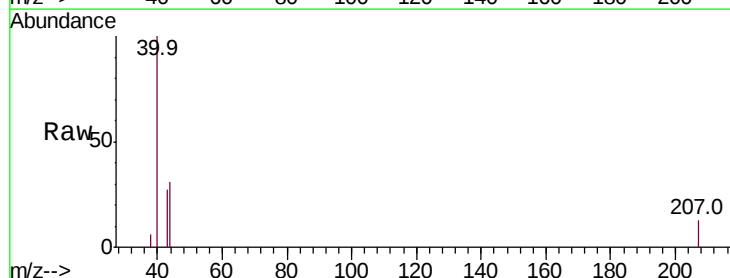
Tot Ion: 59 Resp: 6394
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

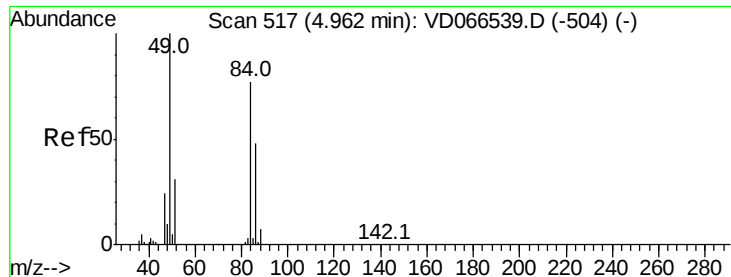


#16

Acetone
 Concen: 2.126 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066666.D
 Acq: 12 Sep 2020 01:08

Tgt Ion: 43 Resp: 1315
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.9 34.3#

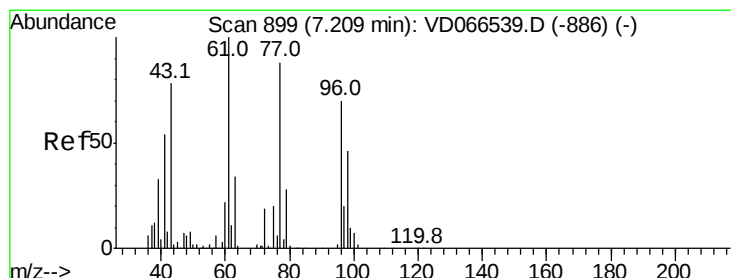
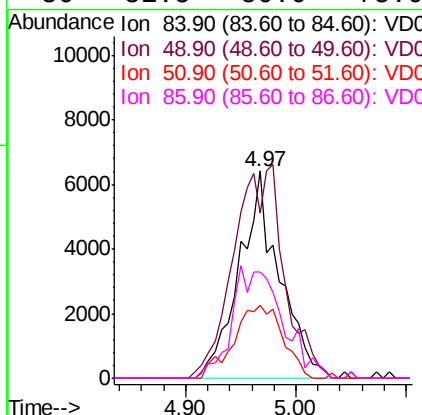
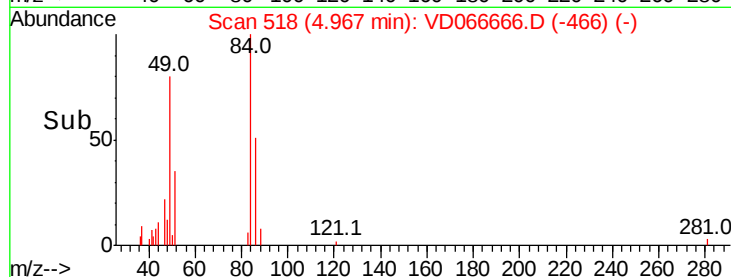
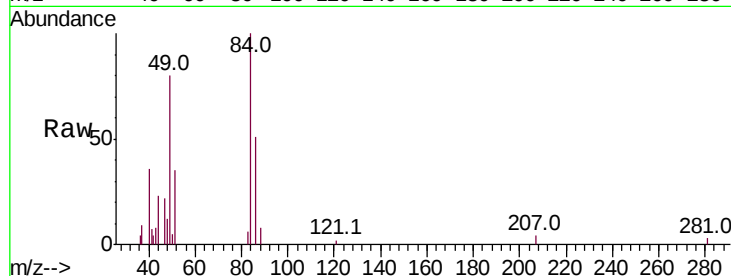




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066666.D
Acq: 12 Sep 2020 01:08

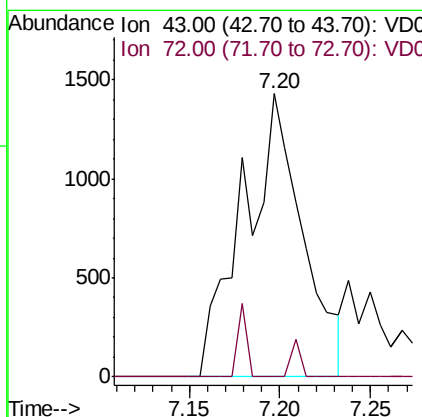
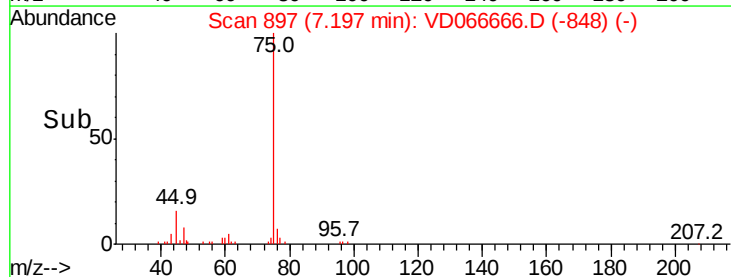
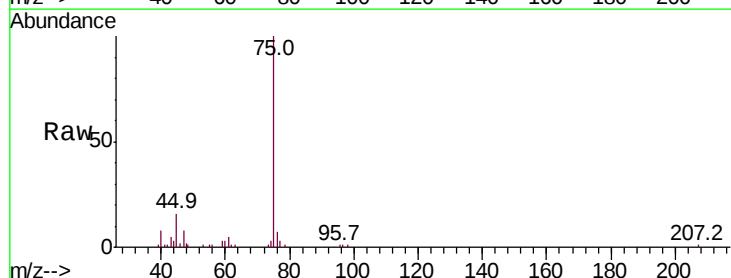
Instrument :
MSVOA_D
ClientSampleId :

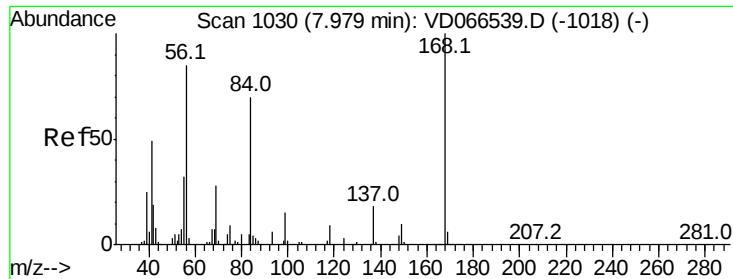
Tot Ion: 84 Resp: 16339
Ion Ratio Lower Upper
84 100
49 79.7 104.3 156.5#
51 35.2 32.2 48.4
86 51.5 50.0 75.0



#25
2-Butanone
Concen: 3.928 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD066666.D
Acq: 12 Sep 2020 01:08

Tgt Ion: 43 Resp: 3261
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#

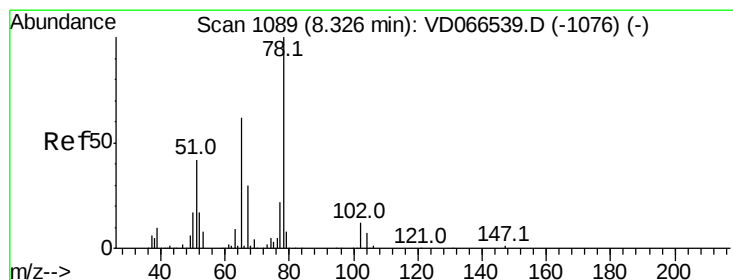
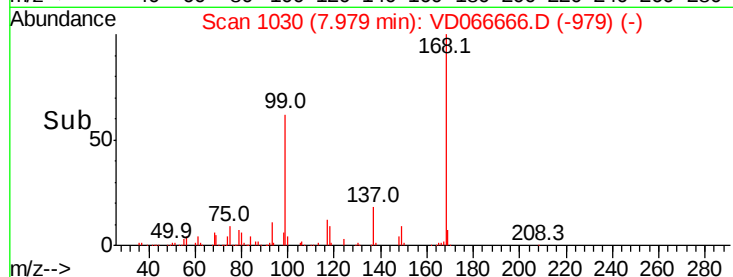
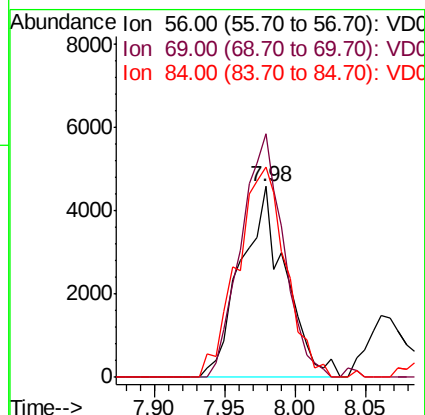
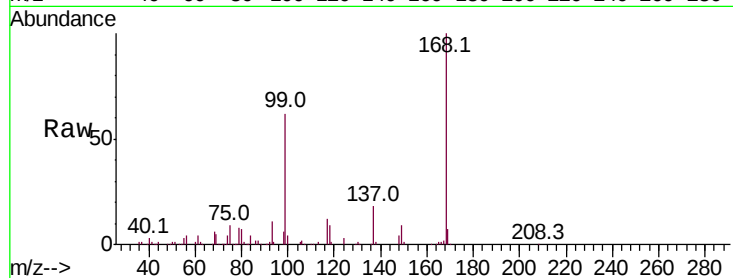




#31
Cyclohexane
Concen: 1.847 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066666.D
Acq: 12 Sep 2020 01:08

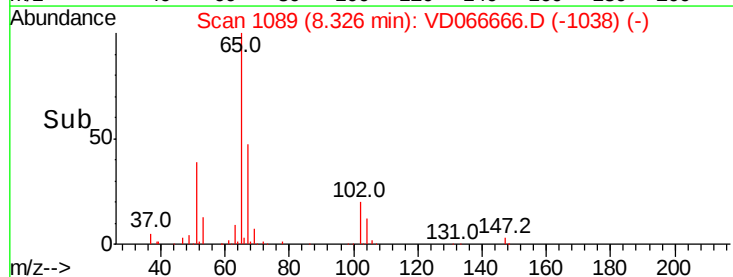
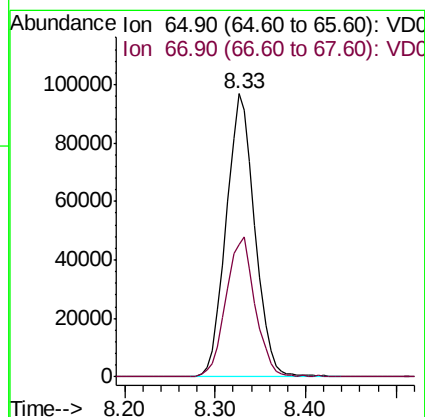
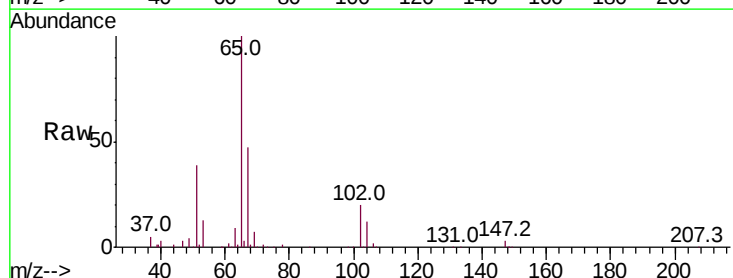
Instrument :
MSVOA_D
ClientSampleId :

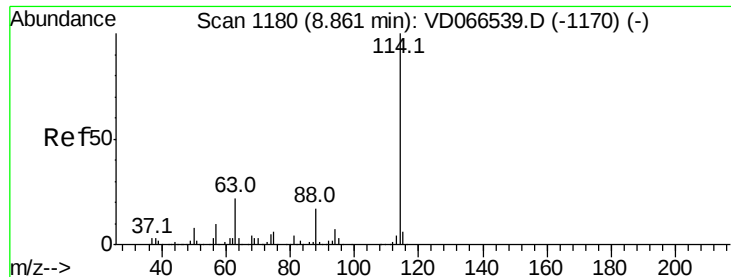
Tot Ion: 56 Resp: 10129
Ion Ratio Lower Upper
56 100
69 127.7 26.3 39.5#
84 110.2 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 63.082 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066666.D
Acq: 12 Sep 2020 01:08

Tgt Ion: 65 Resp: 212012
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066666.D

Acq: 12 Sep 2020 01:08

Instrument :

MSVOA_D

ClientSampleId :

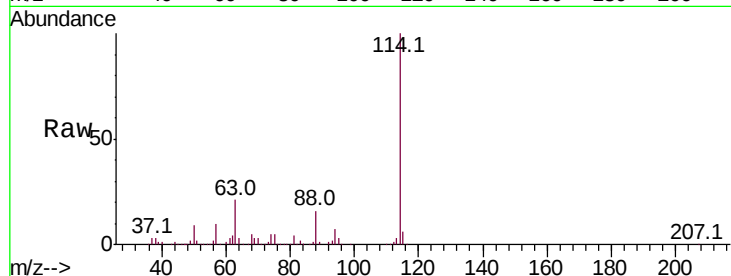
Tot Ion:114 Resp: 536873

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

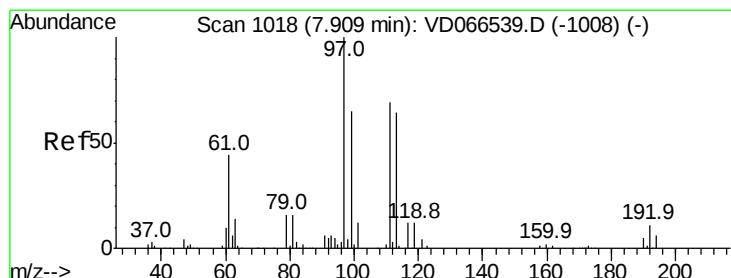
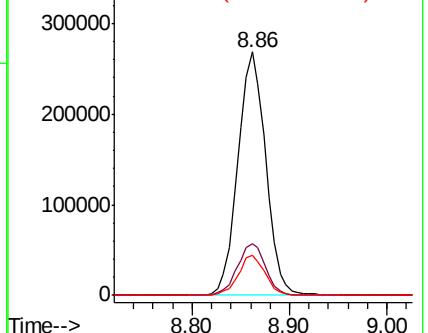
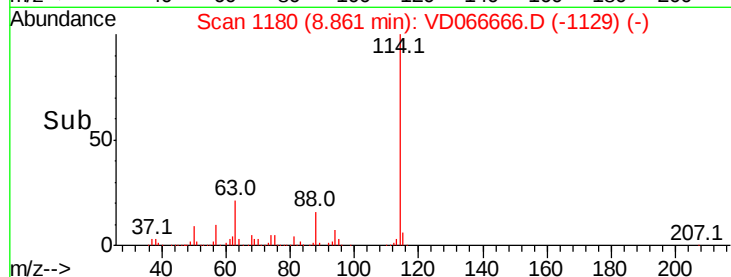
88 16.4 0.0 33.2



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: 53.393 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066666.D

Acq: 12 Sep 2020 01:08

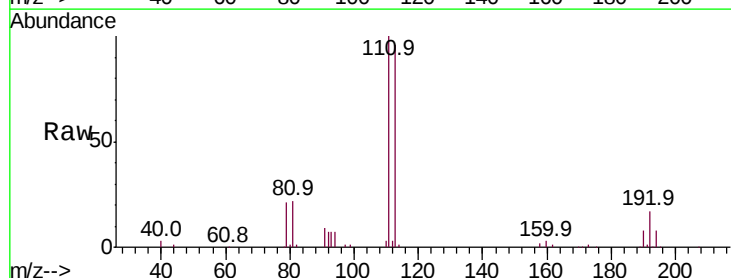
Tgt Ion:113 Resp: 193380

Ion Ratio Lower Upper

113 100

111 103.5 83.2 124.8

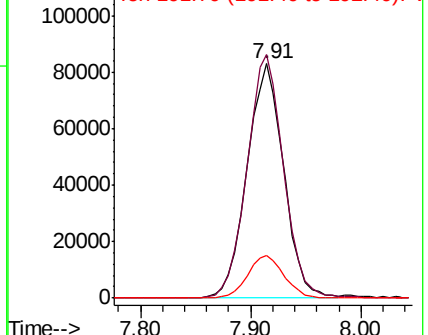
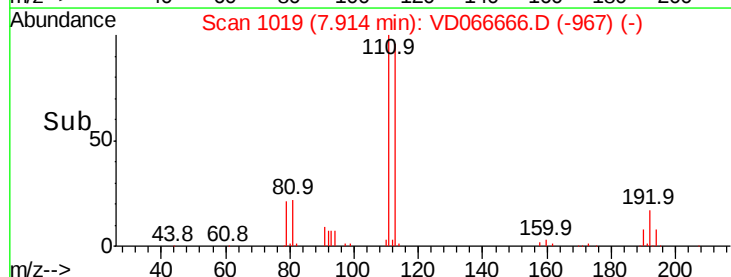
192 18.1 13.7 20.5

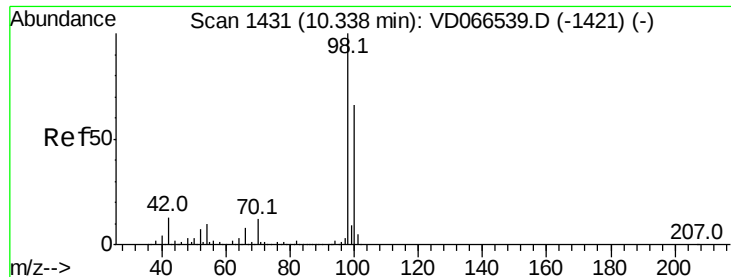


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.393 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066666.D

Acq: 12 Sep 2020 01:08

Instrument :

MSVOA_D

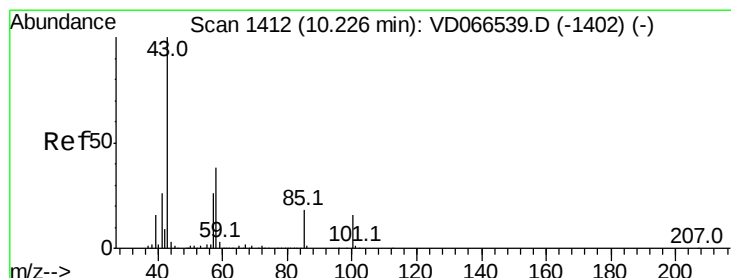
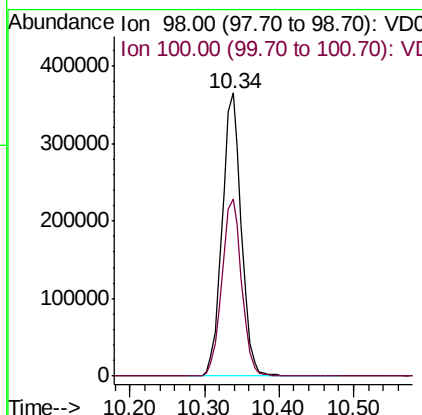
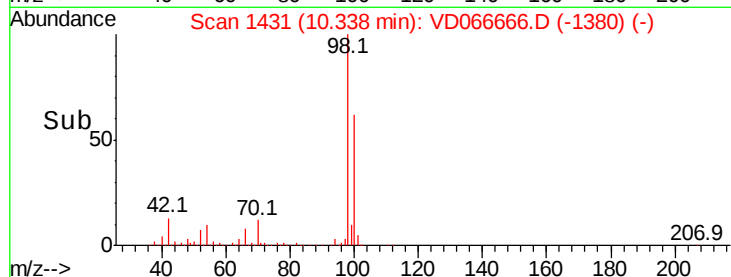
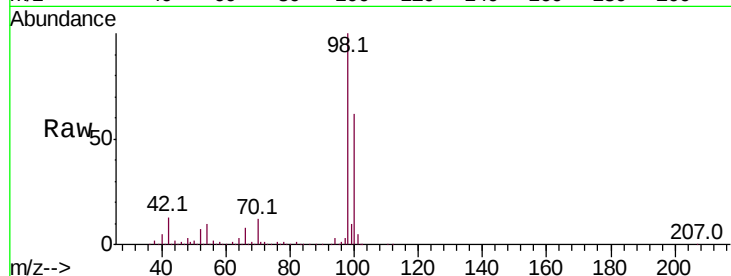
ClientSampleId :

Tot Ion: 98 Resp: 652331

Ion Ratio Lower Upper

98 100

100 64.5 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.150 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066666.D

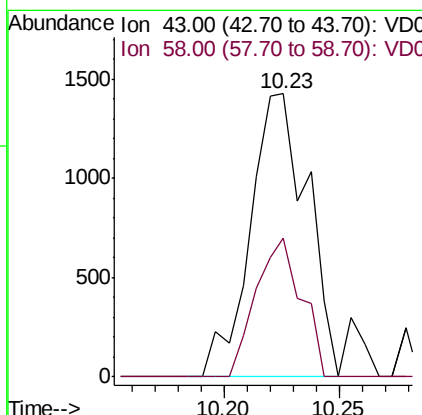
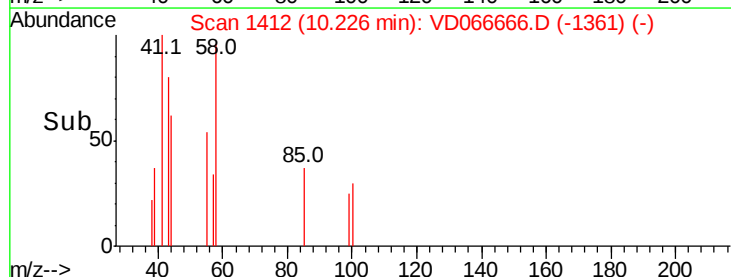
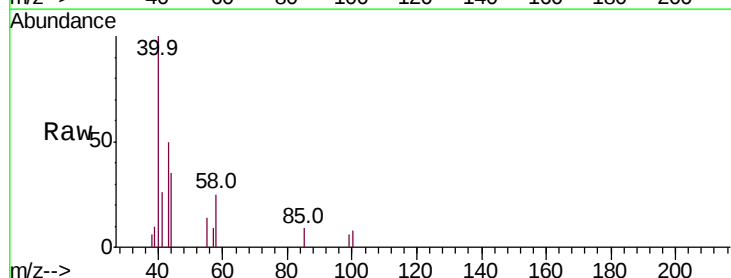
Acq: 12 Sep 2020 01:08

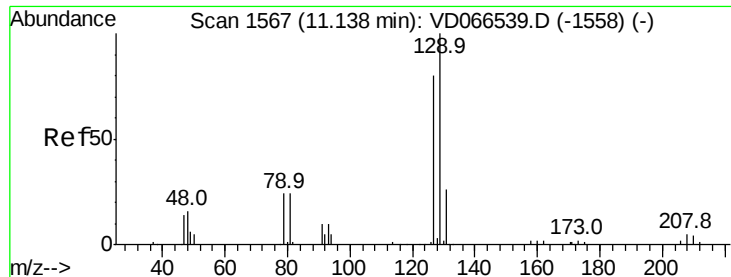
Tgt Ion: 43 Resp: 2472

Ion Ratio Lower Upper

43 100

58 38.8 30.5 45.7





#60

Dibromochloromethane

Concen: 3.899 ug/l

RT: 10.87 min Scan# 1521

Delta R.T. -0.27 min

Lab File: VD066666.D

Acq: 12 Sep 2020 01:08

Instrument :

MSVOA_D

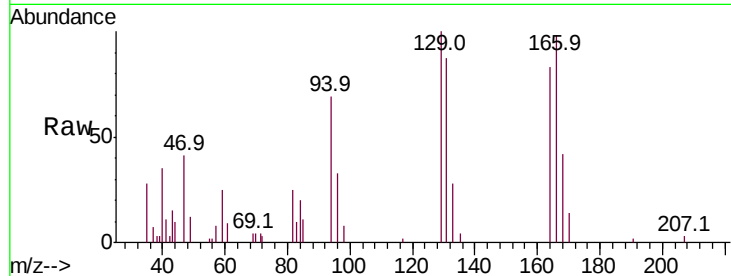
ClientSampleId :

Tot Ion:129 Resp: 14075

Ion Ratio Lower Upper

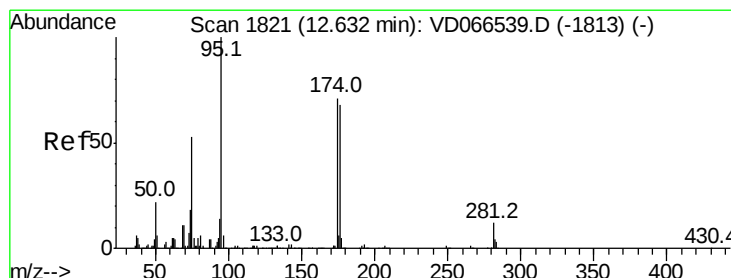
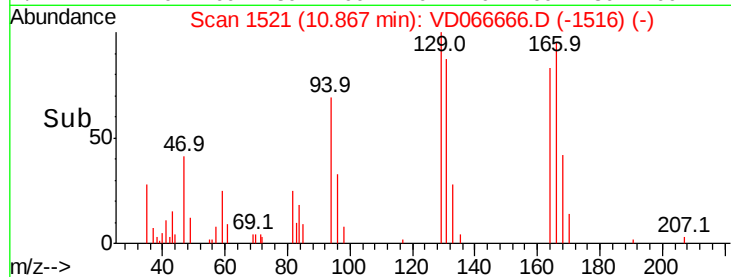
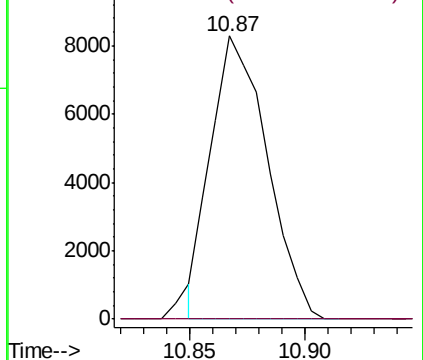
129 100

127 0.0 39.5 118.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 47.103 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066666.D

Acq: 12 Sep 2020 01:08

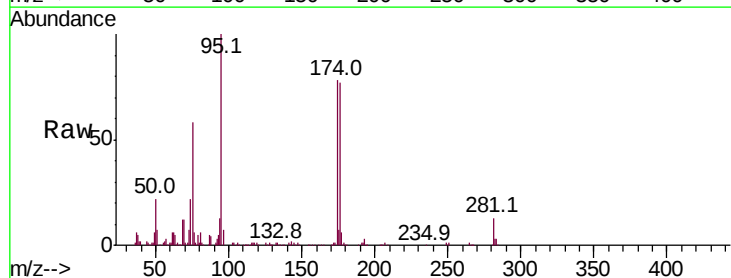
Tgt Ion: 95 Resp: 202182

Ion Ratio Lower Upper

95 100

174 78.0 0.0 155.8

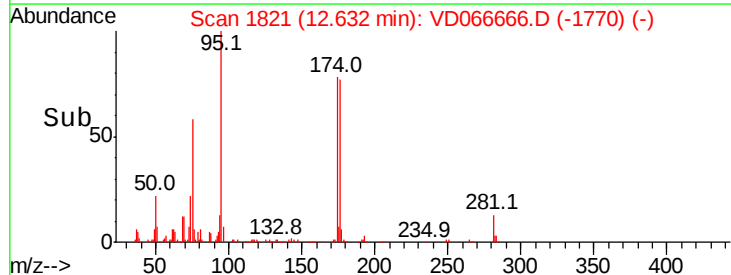
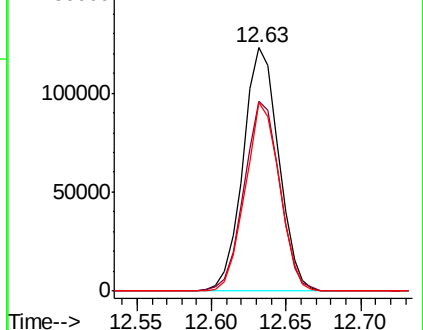
176 74.6 0.0 148.6

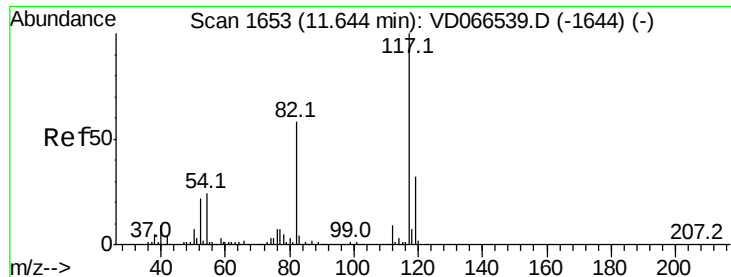


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

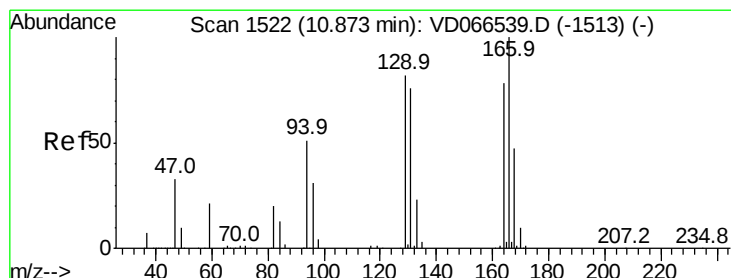
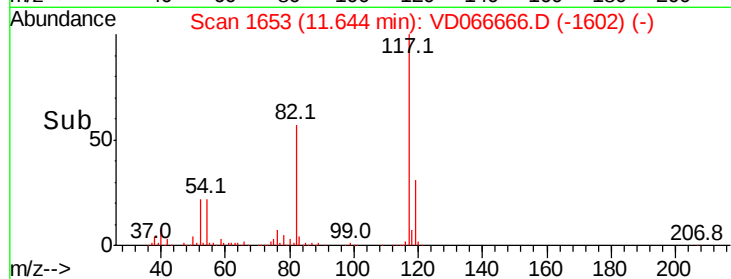
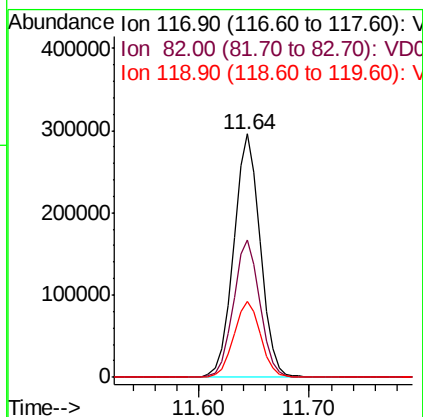
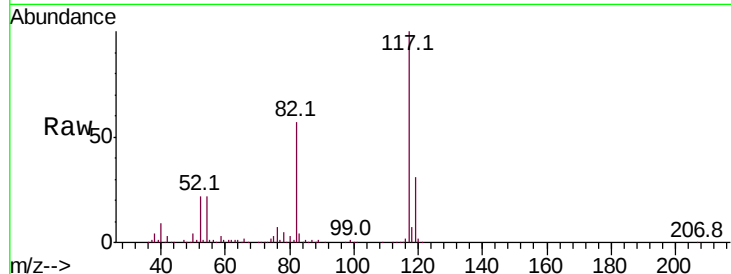




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066666.D
Acq: 12 Sep 2020 01:08

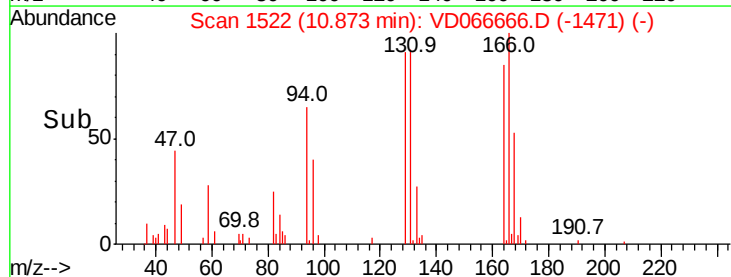
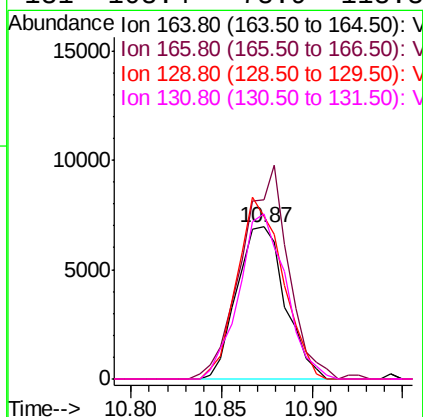
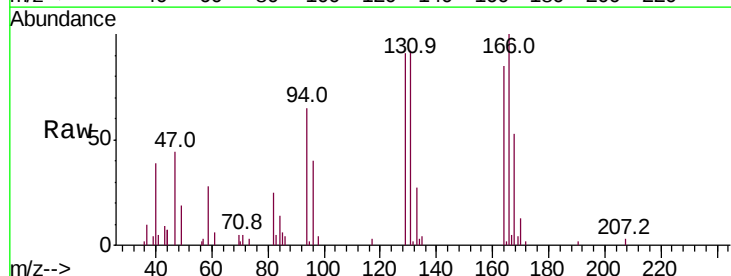
Instrument :
MSVOA_D
ClientSampleId :

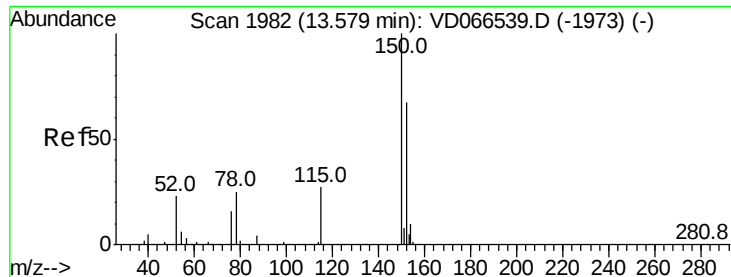
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.2	69.2
119	31.0	25.8	38.8



#64
Tetrachloroethene
Concen: 3.852 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066666.D
Acq: 12 Sep 2020 01:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.7	103.2	154.8
129	107.3	84.5	126.7
131	108.4	78.9	118.3



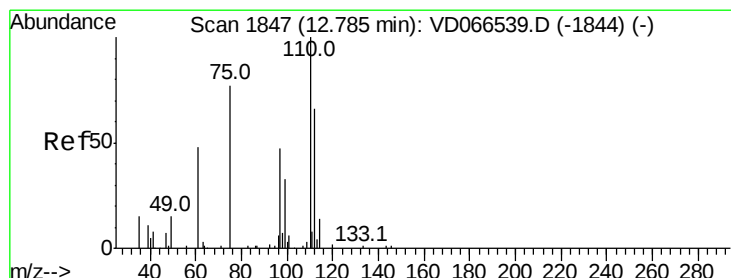
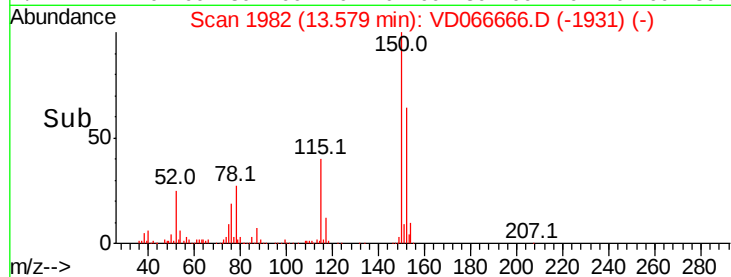
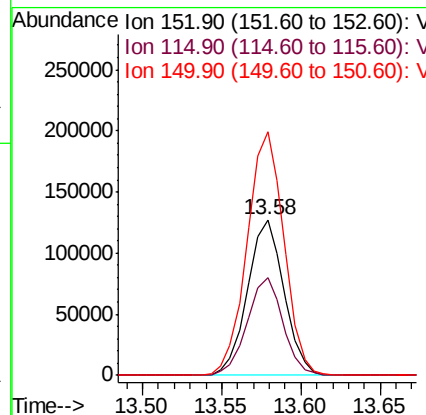
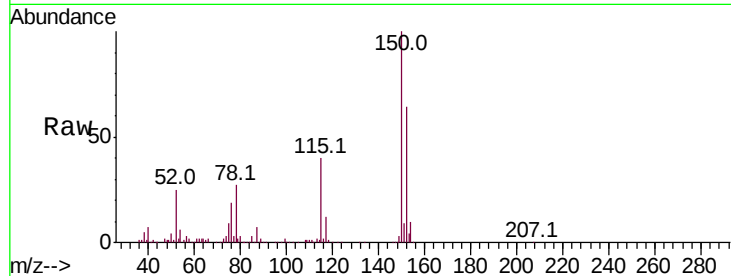


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066666.D
Acq: 12 Sep 2020 01:08

Instrument :
MSVOA_D
ClientSampleId :

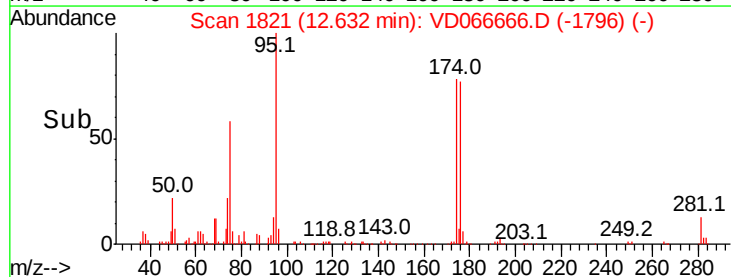
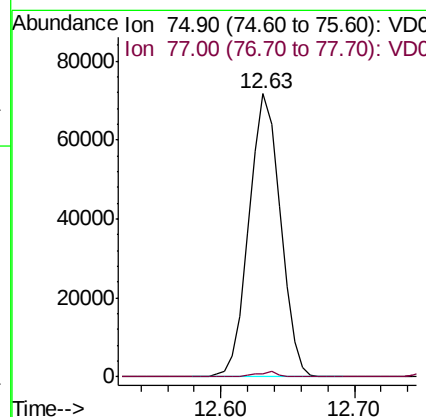
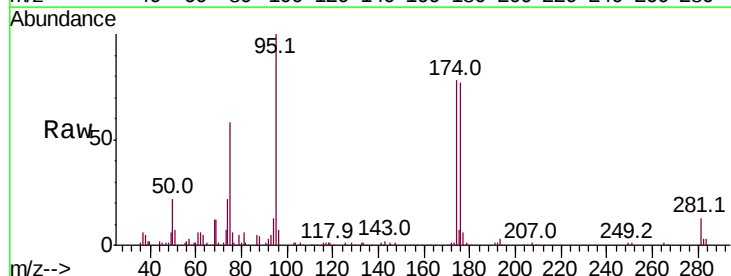
Tot Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.4	91.2
150	158.4	0.0	345.8

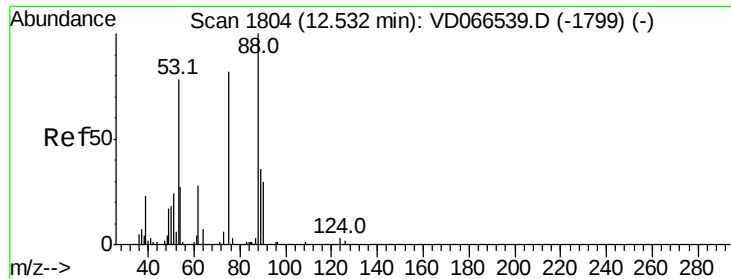


#76

1,2,3-Trichloropropane
Concen: 59.847 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066666.D
Acq: 12 Sep 2020 01:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.721 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066666.D
 Acq: 12 Sep 2020 01:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 116744
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.0 130.4#
 89 0.0 37.1 55.7#

