

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066618.D
 Acq On : 10 Sep 2020 16:10
 Operator : VA/SY
 Sample : L3951-02
 Misc : 3.48G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PC-1

Quant Time: Sep 11 02:08:40 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	344717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	652233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	619440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266505	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	239242	57.36	ug/l	0.00
Spiked Amount			Recovery	=	114.72%	
35) Dibromofluoromethane	7.91	113	224185	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	10.34	98	796192	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.63	95	261942	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	

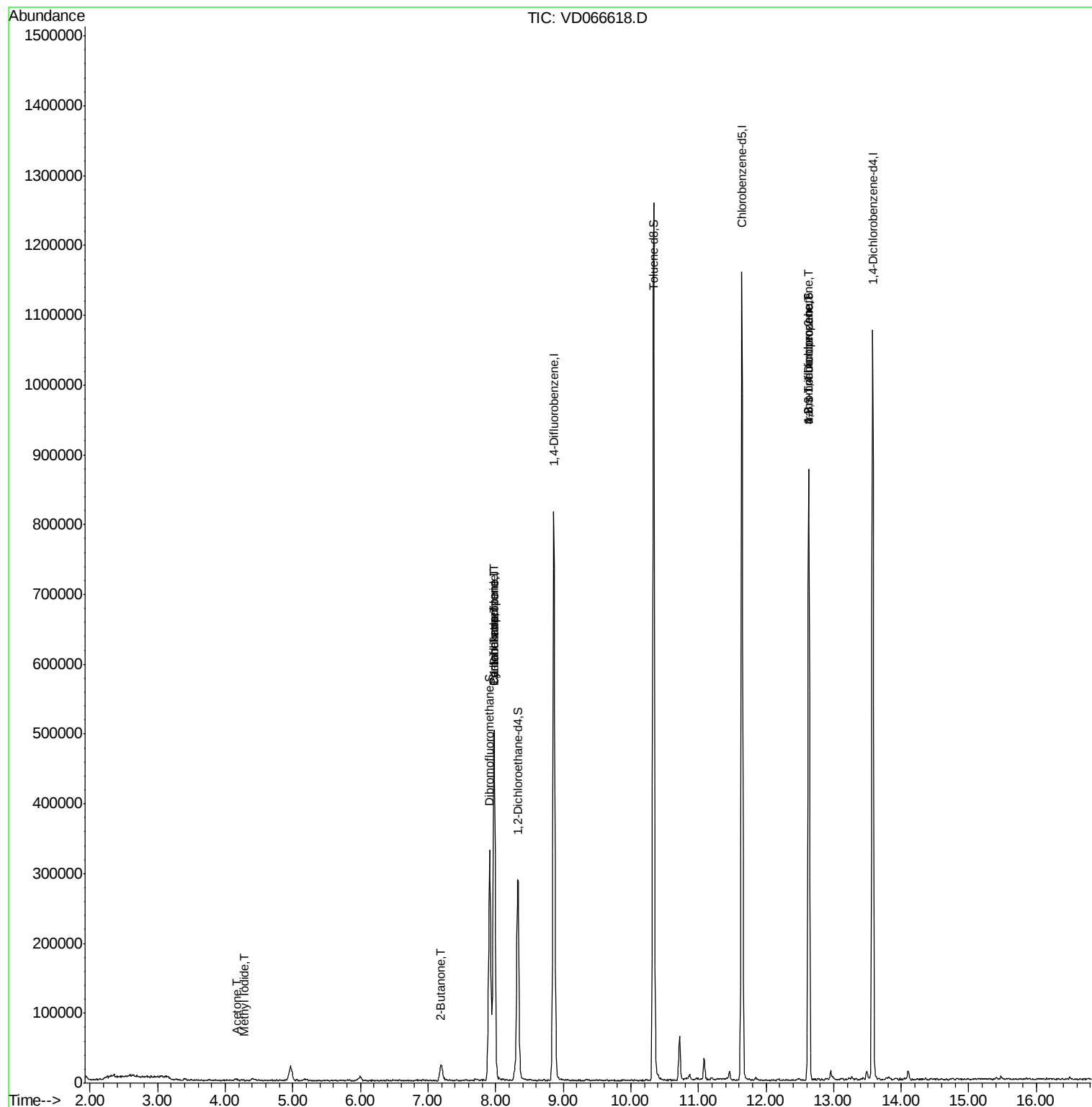
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	412	Below Cal	#	46
5) Bromomethane	2.77	94	110	Below Cal	#	19
10) Methyl Iodide	4.28	142	67	4.041	ug/l #	1
11) Tert butyl alcohol	5.21	59	702	Below Cal	#	95
16) Acetone	4.17	43	3345	4.359	ug/l #	88
20) Methylene Chloride	4.97	84	14507	Below Cal	#	90
25) 2-Butanone	7.20	43	1557	1.511	ug/l #	51
31) Cyclohexane	7.97	56	10305	1.515	ug/l #	12
36) 1,1-Dichloropropene	7.98	75	33569	4.946	ug/l #	49
38) Carbon Tetrachloride	7.97	117	38604	5.381	ug/l #	19
76) 1,2,3-Trichloropropane	12.63	75	148212	57.826	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	148212	135.004	ug/l #	7

(#) = 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: VD066618.D

Acq: 10 Sep 2020 16:10

Instrument :

MSVOA_D

ClientSampled :

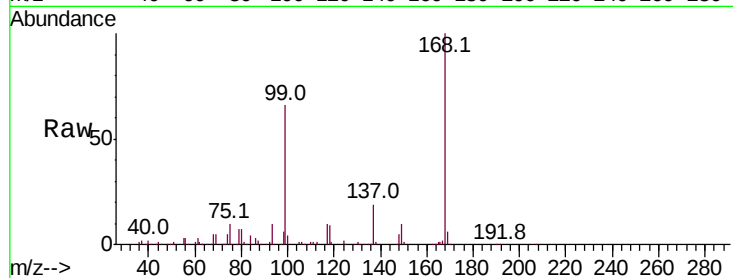
PC-1

Tot Ion:168 Resp: 344717

Ion Ratio Lower Upper

168 100

99 66.4 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

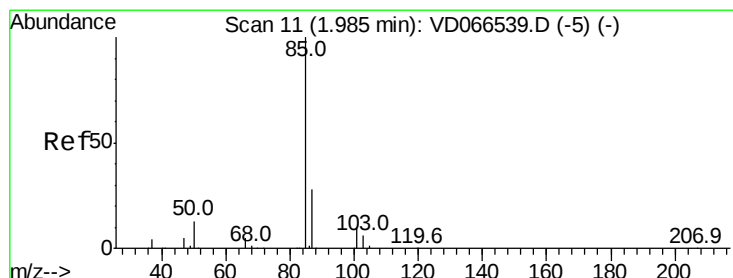
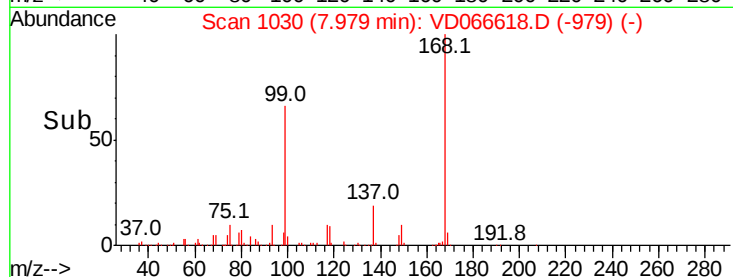
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066618.D

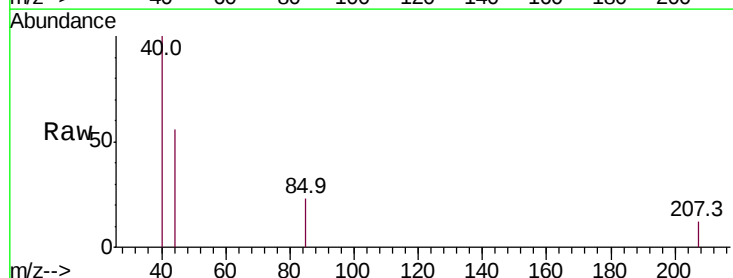
Acq: 10 Sep 2020 16:10

Tgt Ion: 85 Resp: 412

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

800

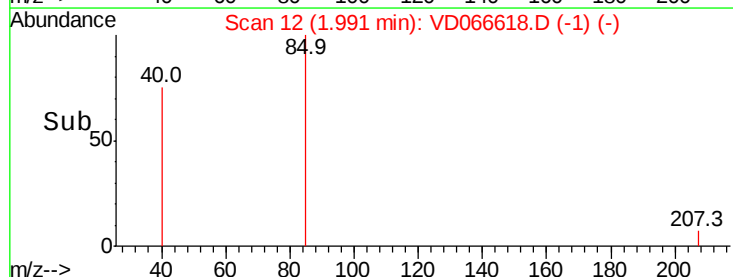
600

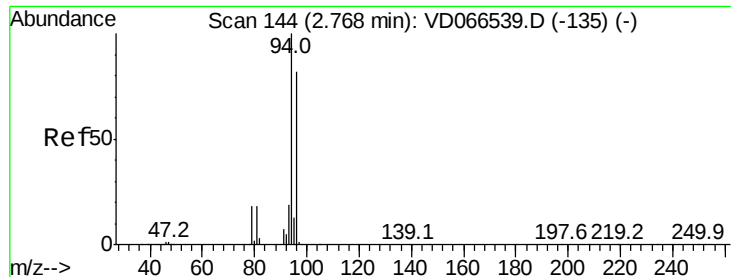
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066618.D

Acq: 10 Sep 2020 16:10

Instrument :

MSVOA_D

ClientSampleId :

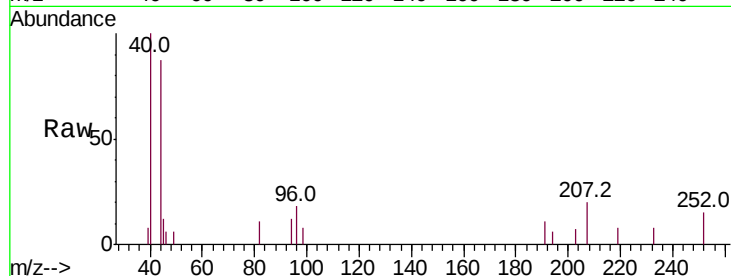
PC-1

Tot Ion: 94 Resp: 110

Ion Ratio Lower Upper

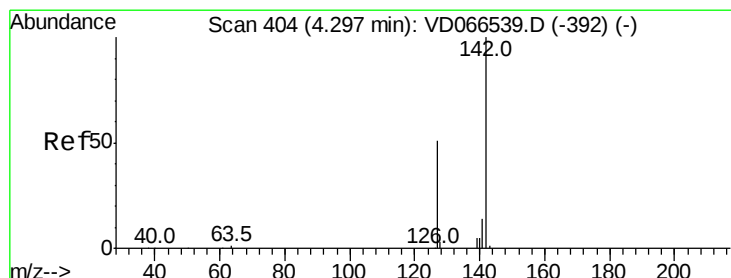
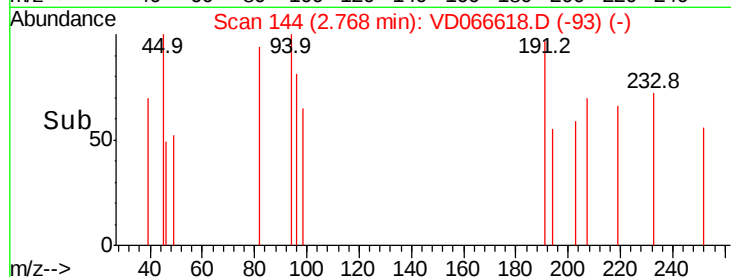
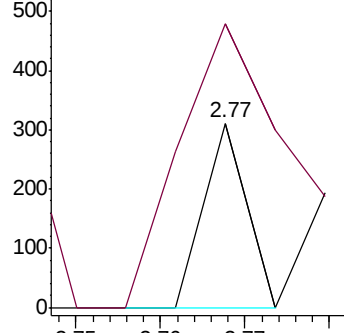
94 100

96 153.7 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: 4.041 ug/l

RT: 4.28 min Scan# 401

Delta R.T. -0.02 min

Lab File: VD066618.D

Acq: 10 Sep 2020 16:10

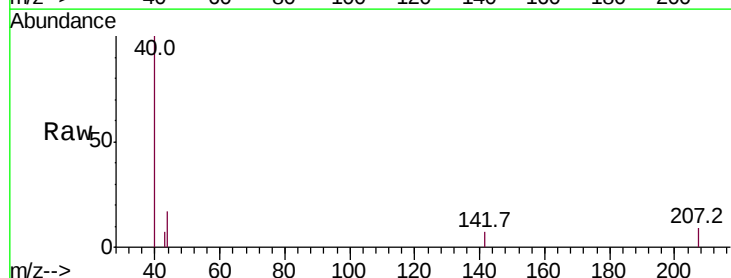
Tgt Ion: 142 Resp: 67

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

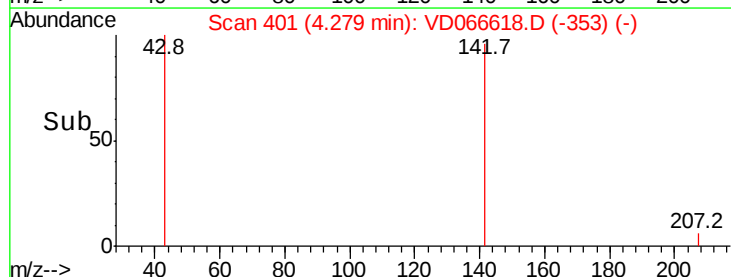
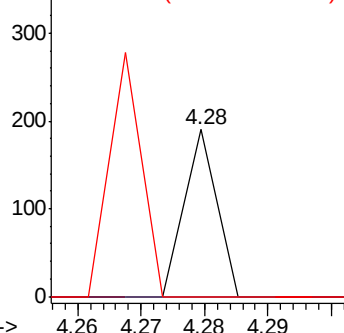
141 146.3 12.2 18.4#

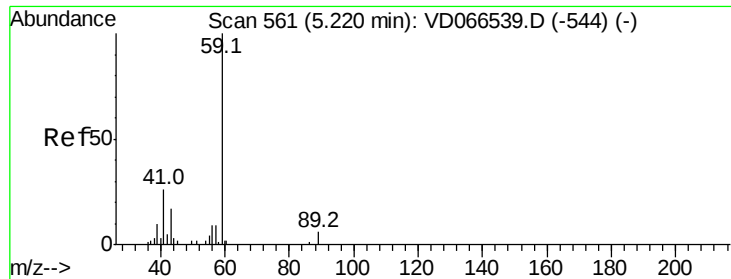


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



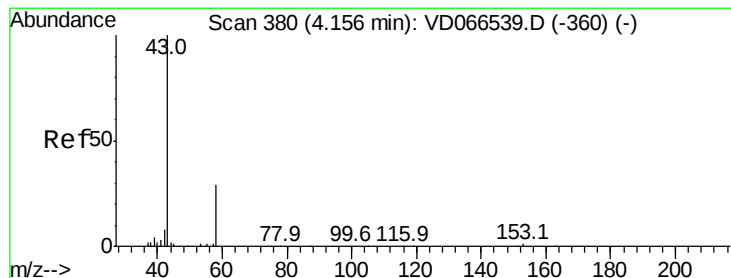
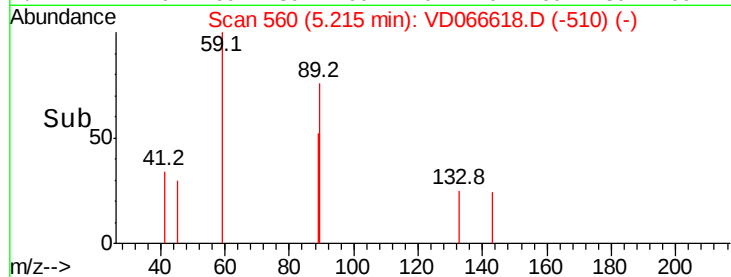
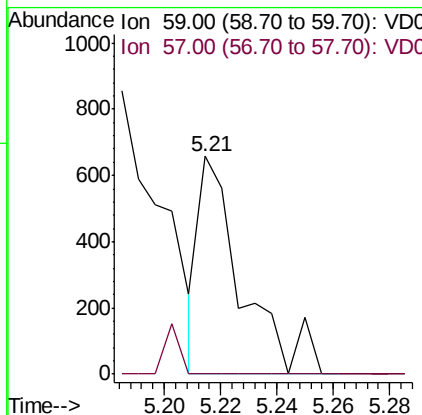
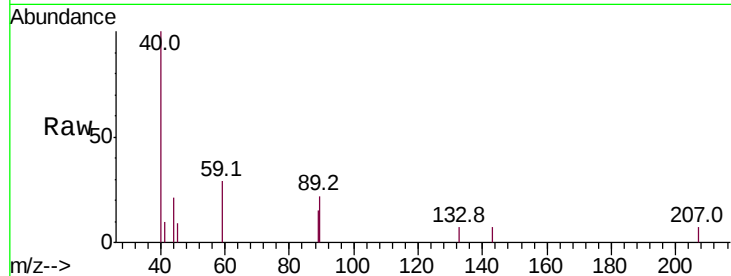


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066618.D
 Acq: 10 Sep 2020 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 PC-1

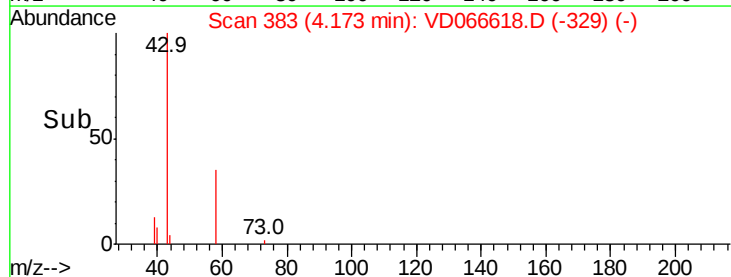
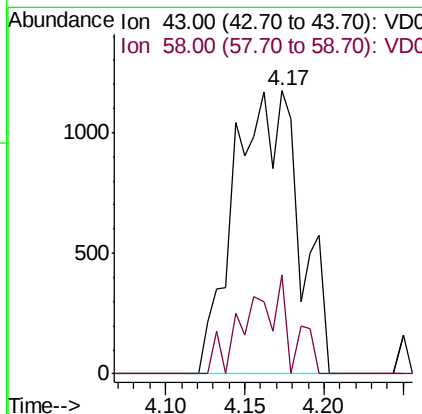
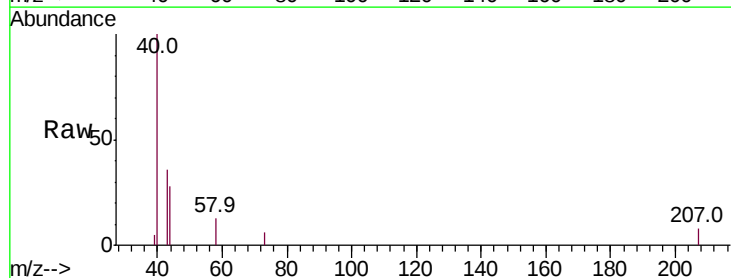
Tot Ion: 59 Resp: 702
 Ion Ratio Lower Upper
 59 100
 57 7.5 7.6 11.4#

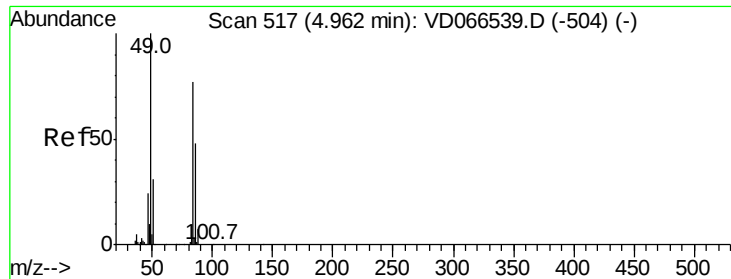


#16

Acetone
 Concen: 4.359 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VD066618.D
 Acq: 10 Sep 2020 16:10

Tgt Ion: 43 Resp: 3345
 Ion Ratio Lower Upper
 43 100
 58 35.0 22.9 34.3#

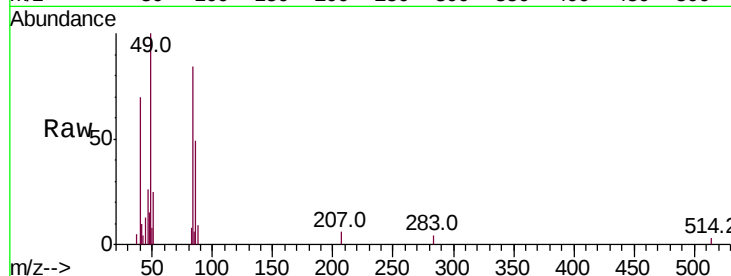




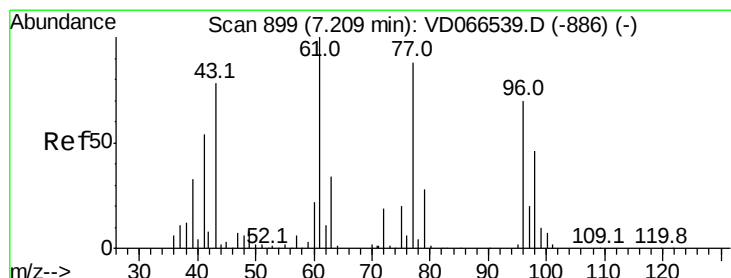
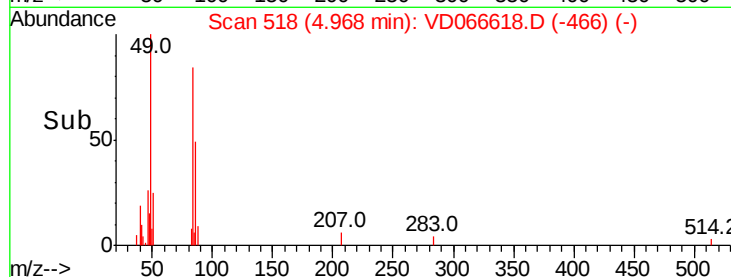
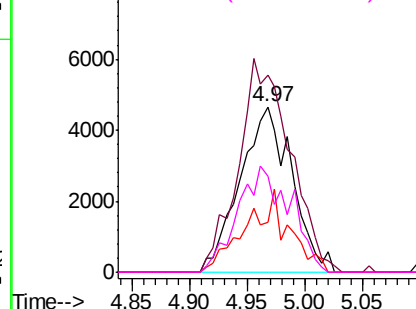
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066618.D
Acq: 10 Sep 2020 16:10

Instrument :
MSVOA_D
ClientSampleId :
PC-1

Tot Ion: 84 Resp: 14507
Ion Ratio Lower Upper
84 100
49 118.8 104.3 156.5
51 30.0 32.2 48.4#
86 58.0 50.0 75.0

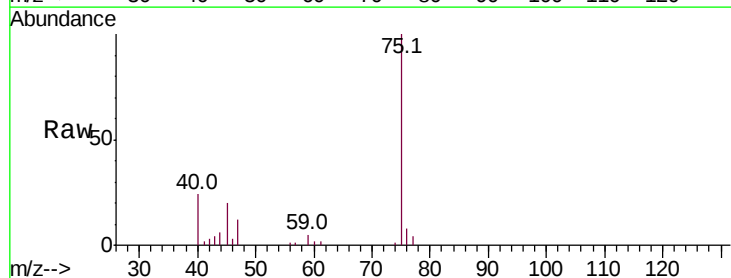


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

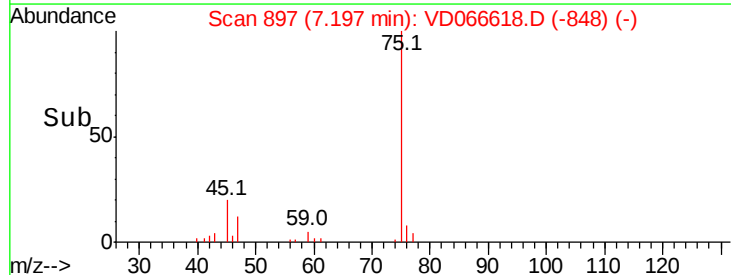
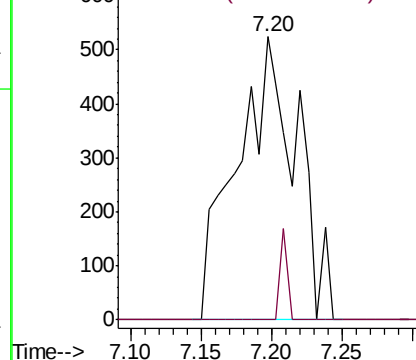


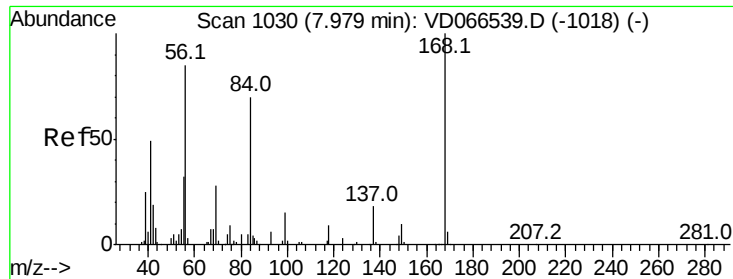
#25
2-Butanone
Concen: 1.511 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD066618.D
Acq: 10 Sep 2020 16:10

Tgt Ion: 43 Resp: 1557
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

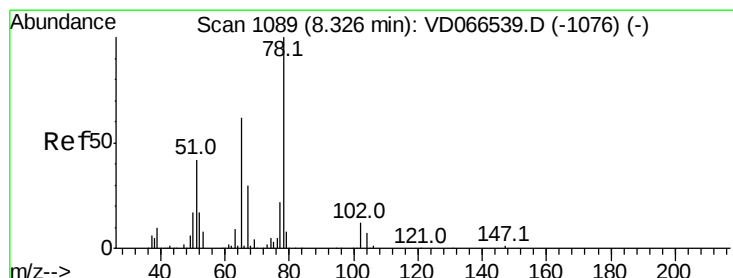
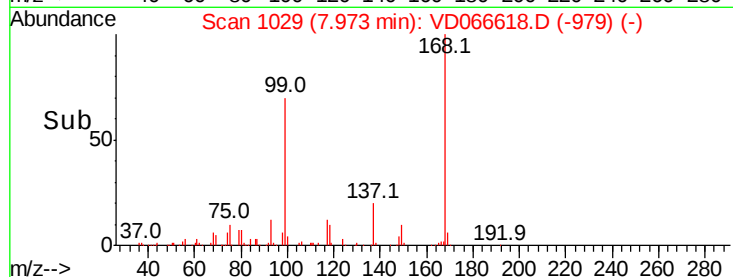
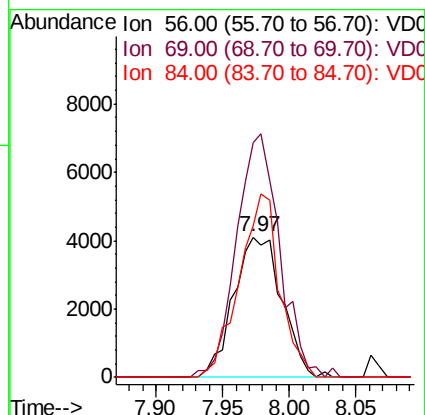
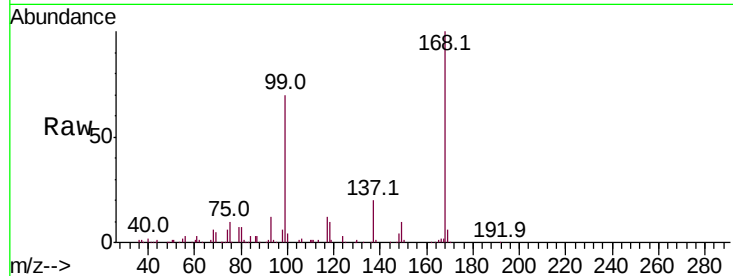




#31
Cyclohexane
Concen: 1.515 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066618.D
Acq: 10 Sep 2020 16:10

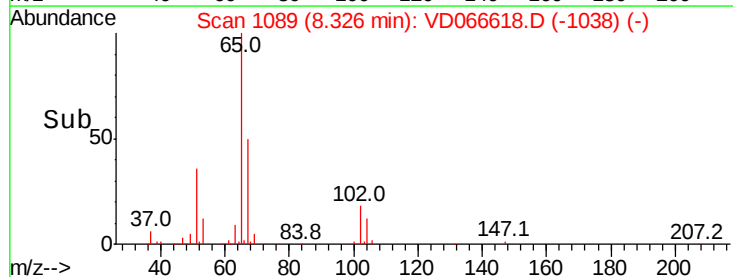
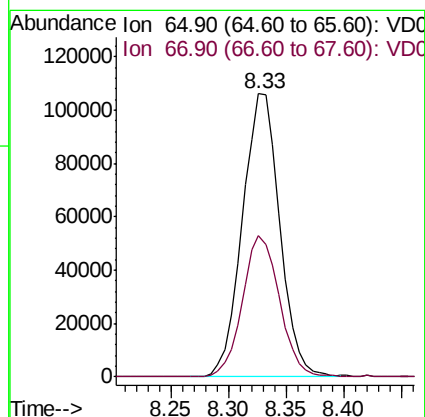
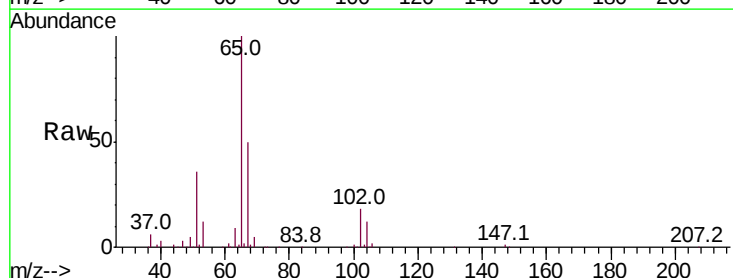
Instrument :
MSVOA_D
ClientSampled :
PC-1

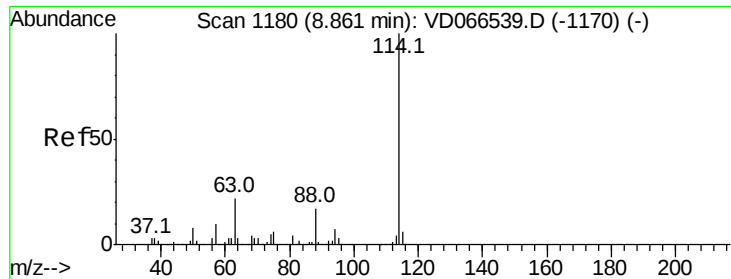
Tot Ion: 56 Resp: 10305
Ion Ratio Lower Upper
56 100
69 167.5 26.3 39.5#
84 108.0 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 57.362 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066618.D
Acq: 10 Sep 2020 16:10

Tgt Ion: 65 Resp: 239242
Ion Ratio Lower Upper
65 100
67 49.5 0.0 102.8

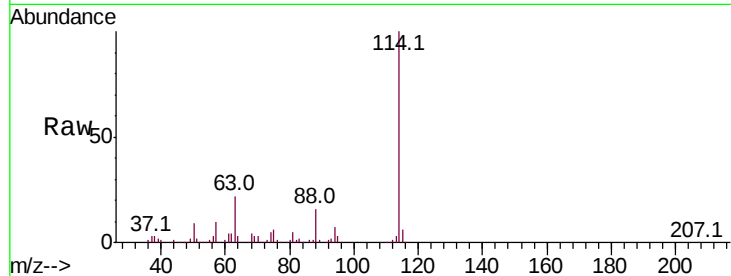




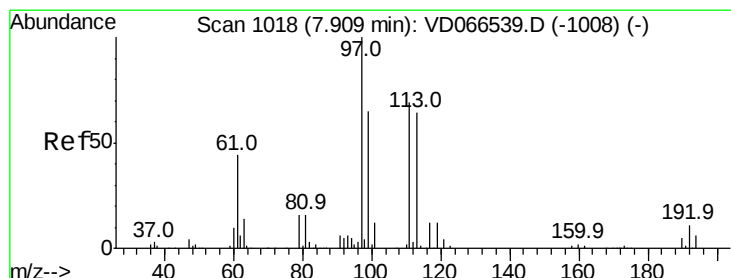
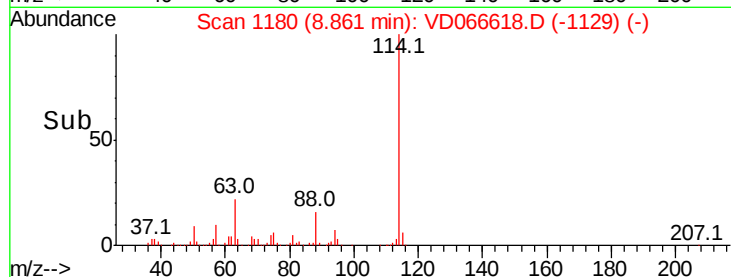
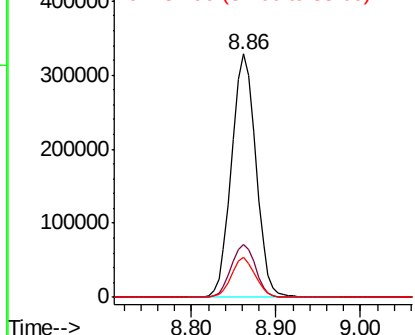
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066618.D
 Acq: 10 Sep 2020 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 PC-1

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	16.4	0.0	33.2

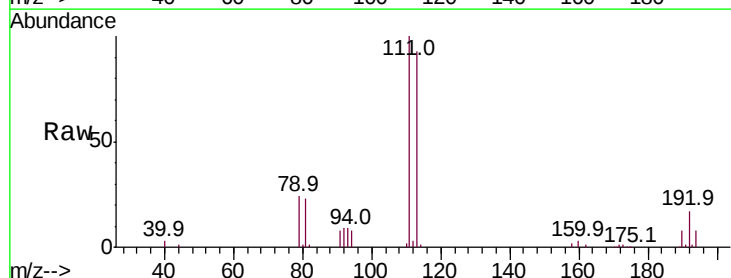


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

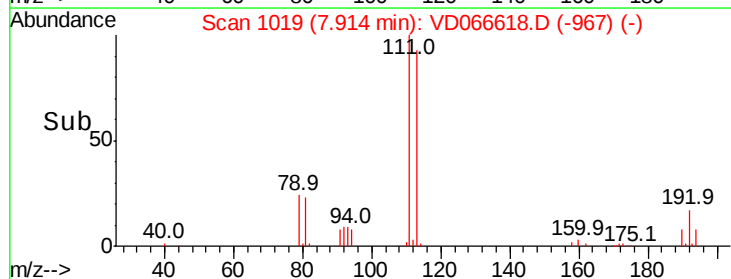
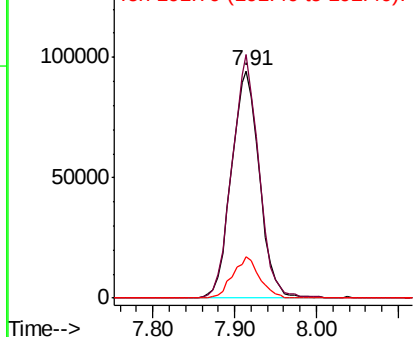


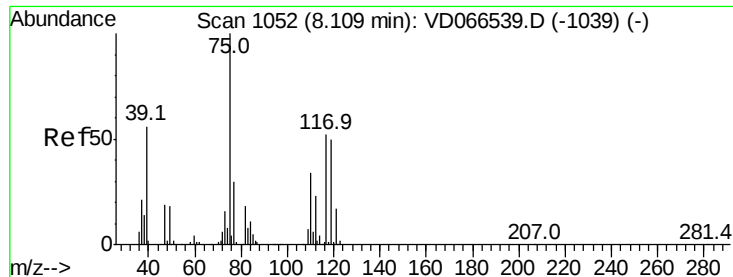
#35
 Dibromofluoromethane
 Concen: 50.951 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066618.D
 Acq: 10 Sep 2020 16:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.2	124.8
192	17.6	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: 4.946 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066618.D

Acq: 10 Sep 2020 16:10

Instrument :

MSVOA_D

ClientSampleId :

PC-1

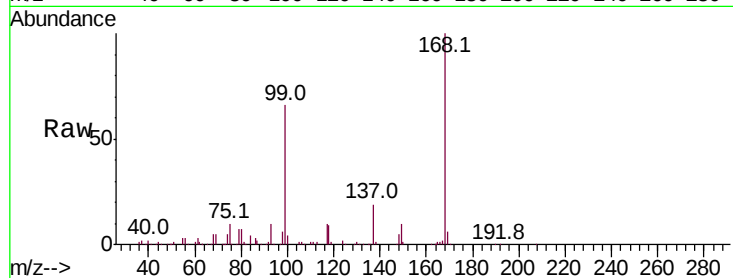
Tot Ion: 75 Resp: 33569

Ion Ratio Lower Upper

75 100

110 7.8 17.3 52.0#

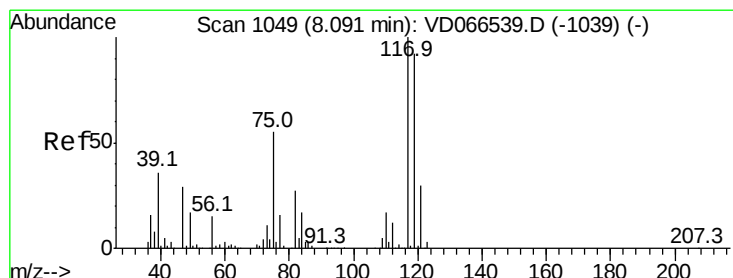
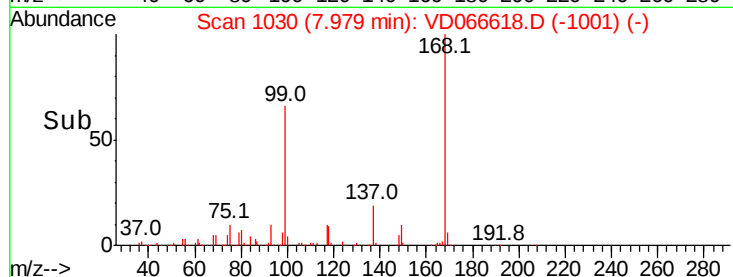
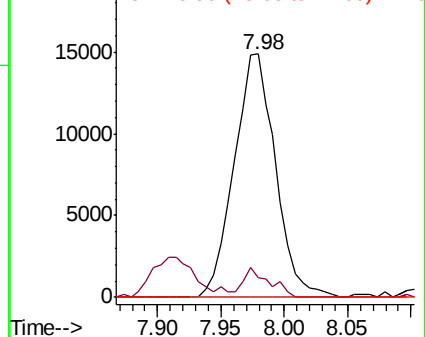
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.381 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066618.D

Acq: 10 Sep 2020 16:10

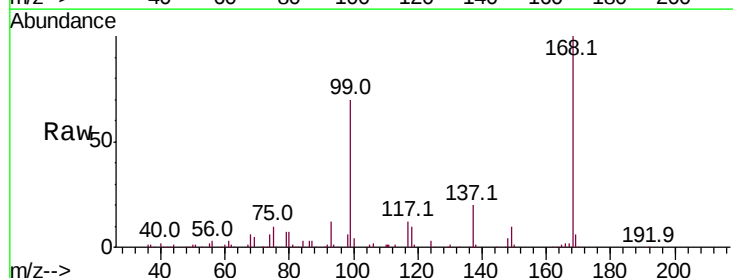
Tgt Ion: 117 Resp: 38604

Ion Ratio Lower Upper

117 100

119 7.0 73.9 110.9#

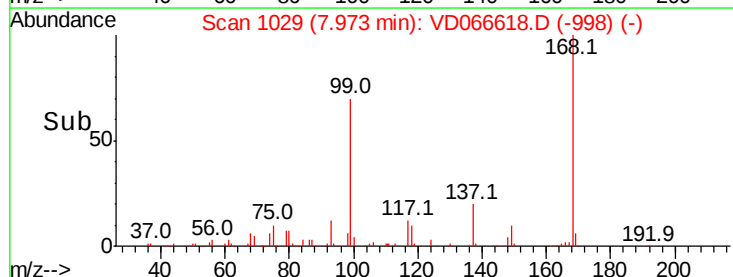
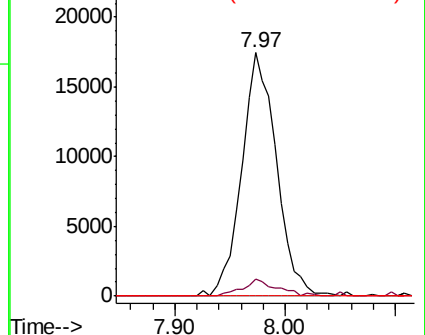
121 0.0 24.1 36.1#

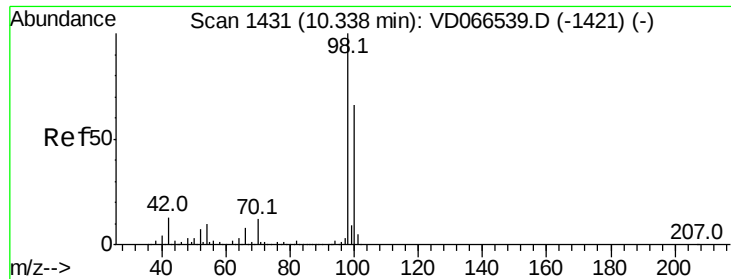


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

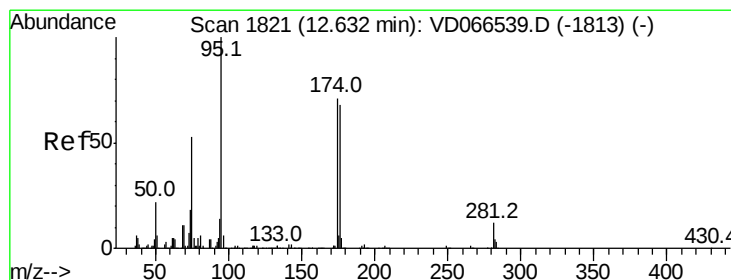
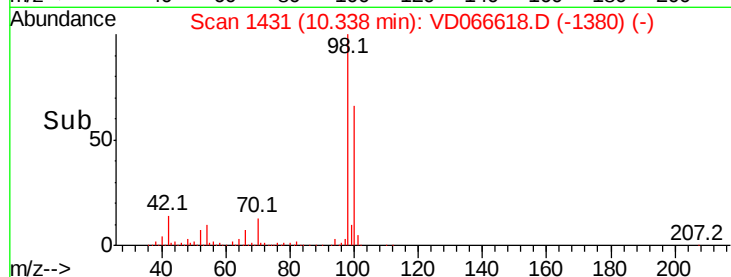
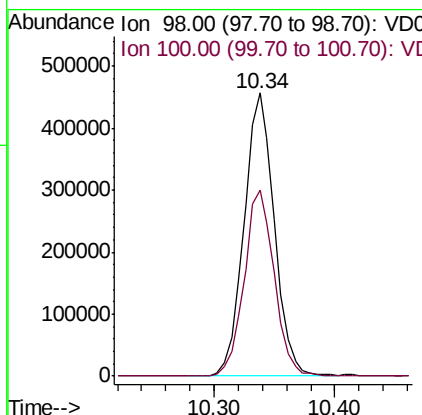
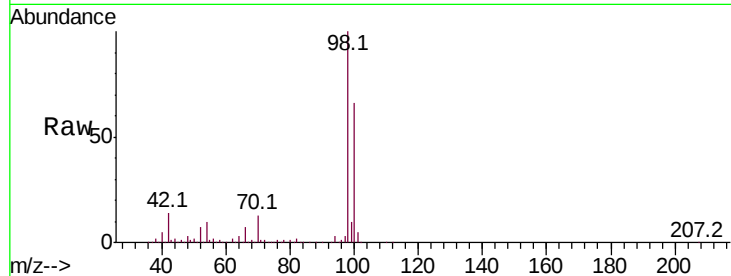




#50
Toluene-d8
Concen: 50.628 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066618.D
Acq: 10 Sep 2020 16:10

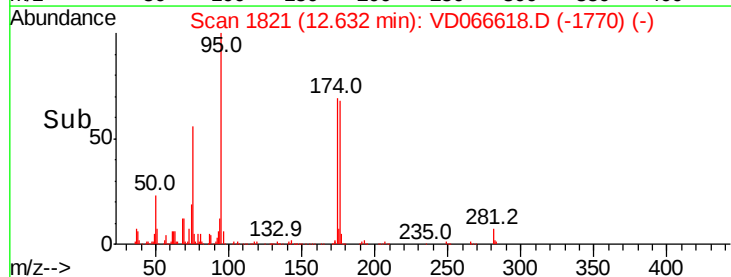
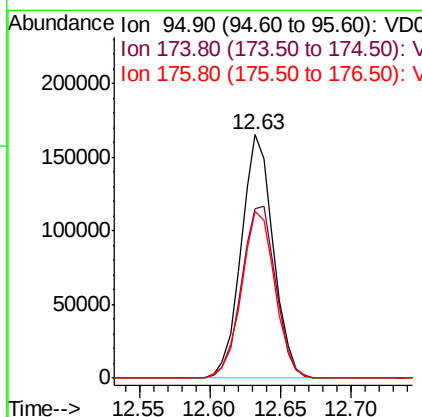
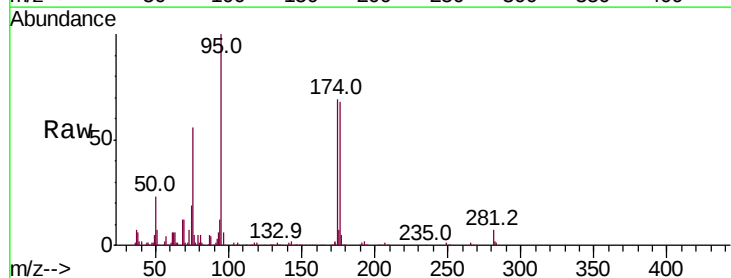
Instrument :
MSVOA_D
ClientSampleId :
PC-1

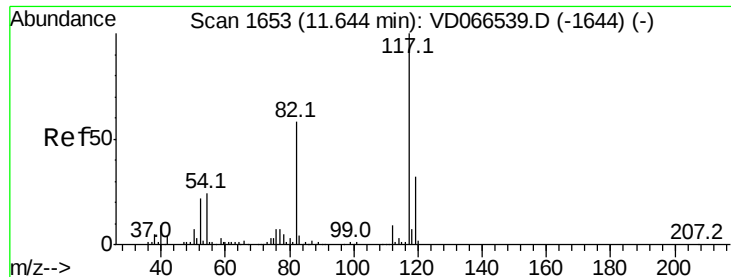
Tot Ion: 98 Resp: 796192
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 50.232 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066618.D
Acq: 10 Sep 2020 16:10

Tgt Ion: 95 Resp: 261942
Ion Ratio Lower Upper
95 100
174 75.6 0.0 155.8
176 71.8 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: VD066618.D

Acq: 10 Sep 2020 16:10

Instrument :

MSVOA_D

ClientSampleId :

PC-1

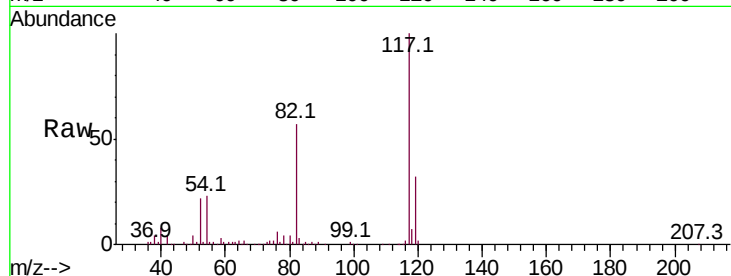
Tot Ion:117 Resp: 619440

Ion Ratio Lower Upper

117 100

82 57.2 46.2 69.2

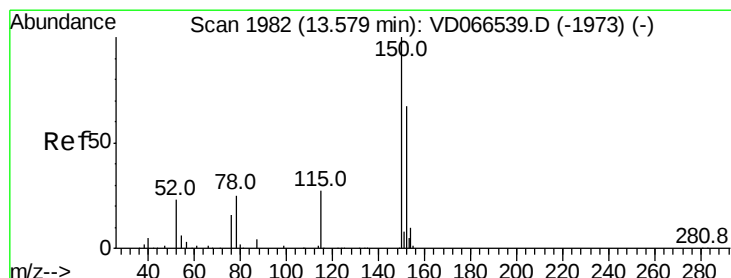
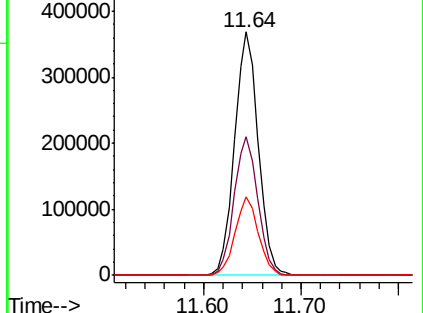
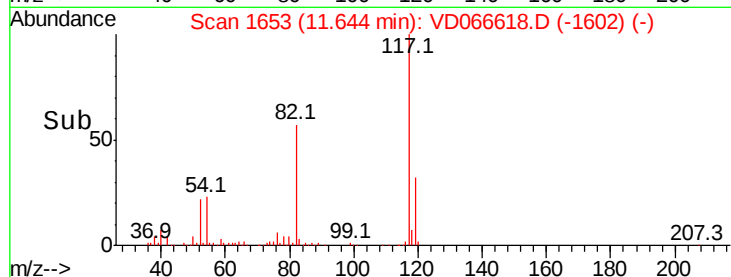
119 32.2 25.8 38.8



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: VD066618.D

Acq: 10 Sep 2020 16:10

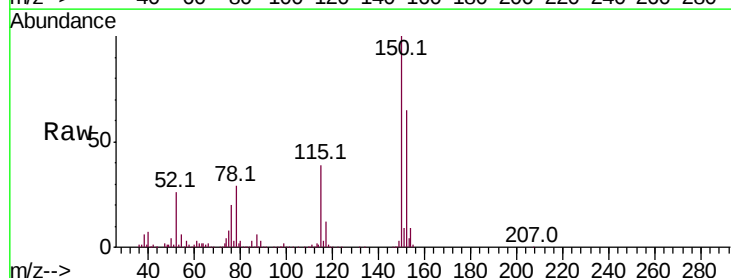
Tgt Ion:152 Resp: 266505

Ion Ratio Lower Upper

152 100

115 61.0 30.4 91.2

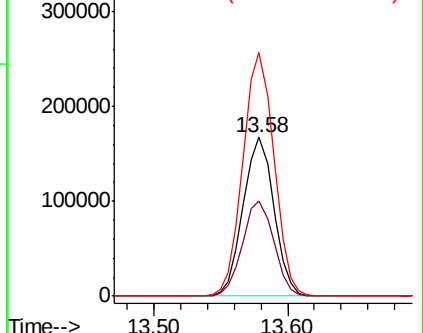
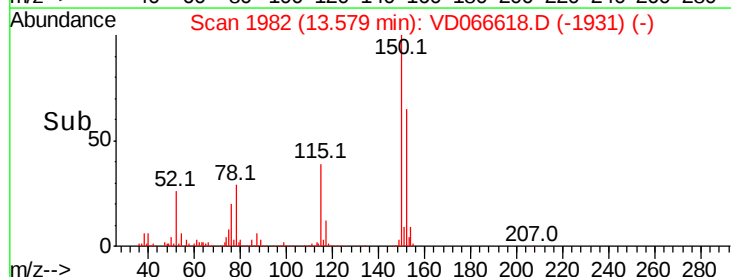
150 155.3 0.0 345.8

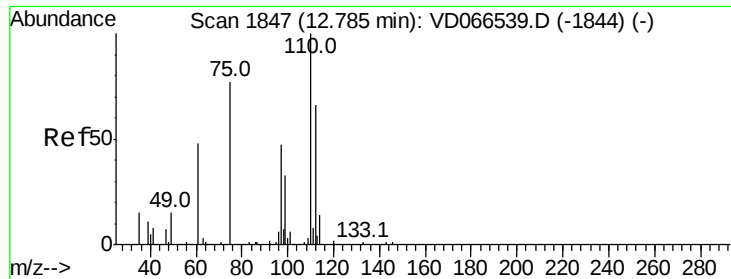


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 57.826 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066618.D

Acq: 10 Sep 2020 16:10

Instrument :

MSVOA_D

ClientSampled :

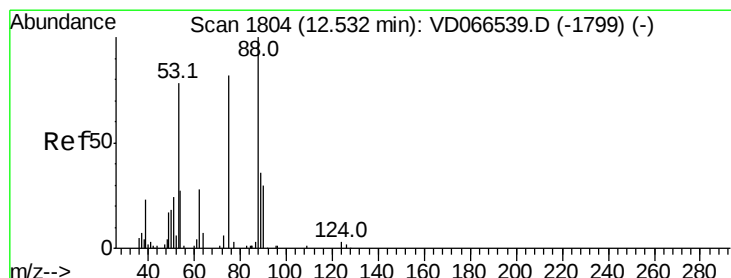
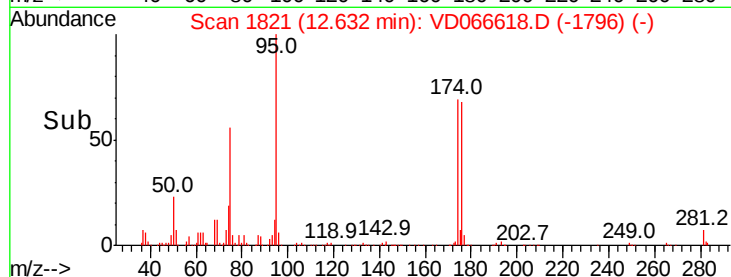
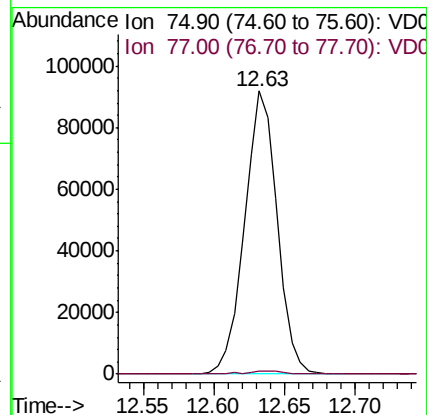
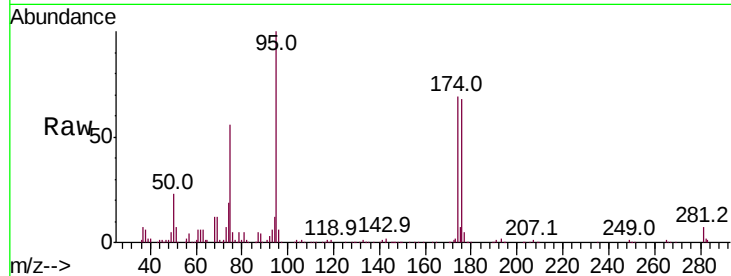
PC-1

Tot Ion: 75 Resp: 148212

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.004 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066618.D

Acq: 10 Sep 2020 16:10

Tgt Ion: 75 Resp: 148212

Ion Ratio Lower Upper

75 100

53 0.2 87.0 130.4#

89 0.2 37.1 55.7#

