

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066619.D
 Acq On : 10 Sep 2020 16:38
 Operator : VA/SY
 Sample : L3951-03
 Misc : 3.30G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PC-2

Quant Time: Sep 11 02:08:49 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	345963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	649832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	606989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265169	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	239702	57.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.54%	
35) Dibromofluoromethane	7.91	113	224432	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
50) Toluene-d8	10.34	98	806331	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.63	95	263899	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

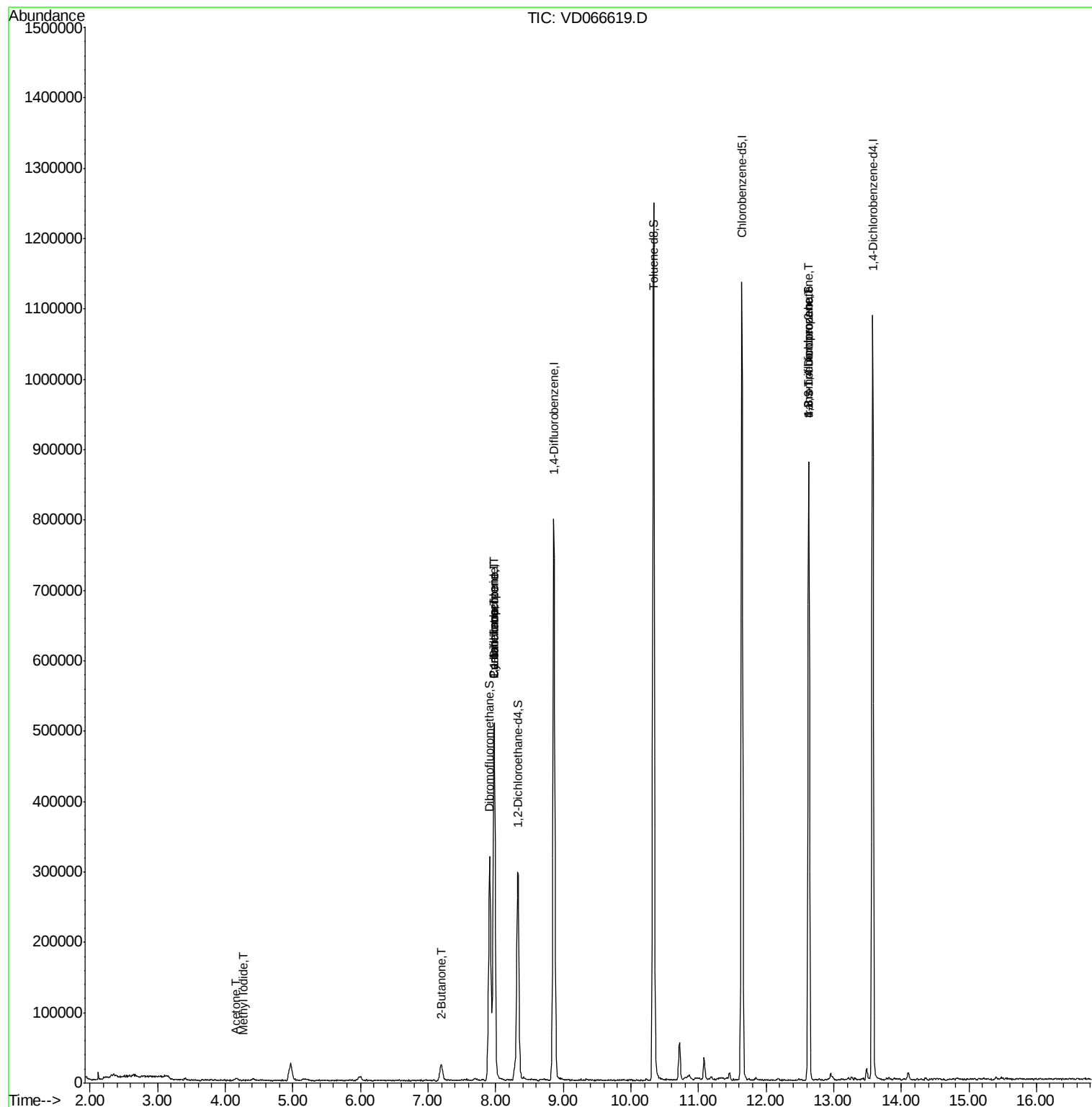
						Qvalue
2) Dichlorodifluoromethane	1.99	85	252	Below Cal	#	46
5) Bromomethane	2.74	94	77	Below Cal	#	9
10) Methyl Iodide	4.27	142	68	4.041	ug/l #	35
11) Tert butyl alcohol	5.20	59	1903	Below Cal	#	74
16) Acetone	4.16	43	4807	6.241	ug/l	95
20) Methylene Chloride	4.96	84	17653	Below Cal		90
25) 2-Butanone	7.19	43	1278	1.236	ug/l #	51
31) Cyclohexane	7.98	56	9890	1.448	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	32708	4.836	ug/l #	53
38) Carbon Tetrachloride	7.98	117	40587	5.678	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	149927	58.790	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	149927	137.254	ug/l #	7

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

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Quant Time: Sep 11 02:08:49 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: VD066619.D

Acq: 10 Sep 2020 16:38

Instrument :

MSVOA_D

ClientSampleId :

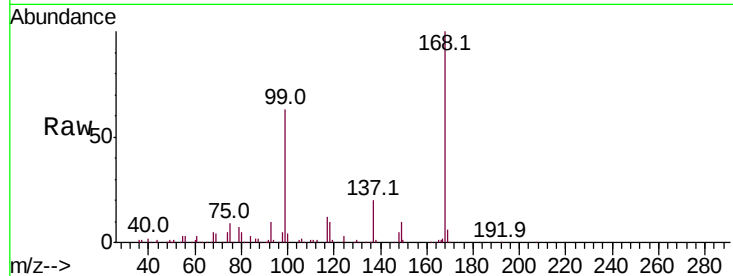
PC-2

Tot Ion:168 Resp: 345963

Ion Ratio Lower Upper

168 100

99 63.3 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

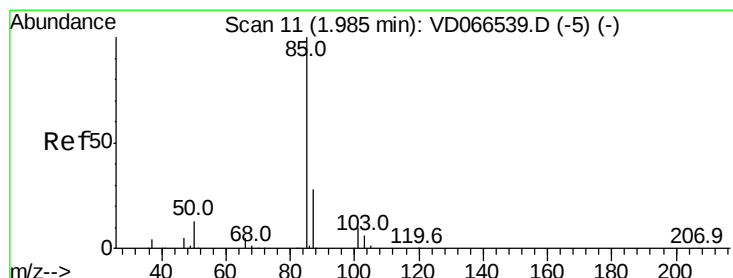
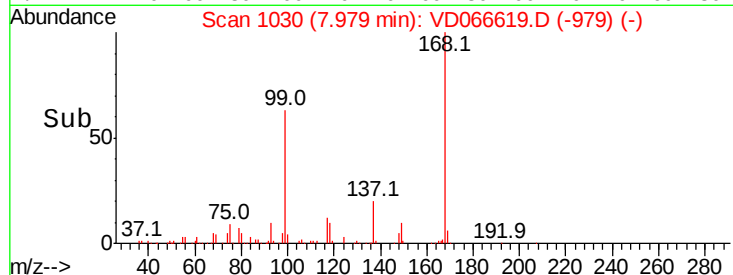
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066619.D

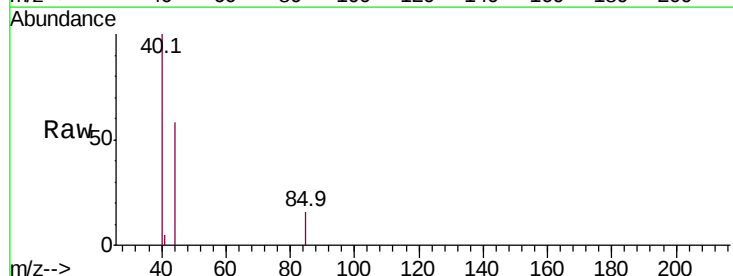
Acq: 10 Sep 2020 16:38

Tgt Ion: 85 Resp: 252

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

500

400

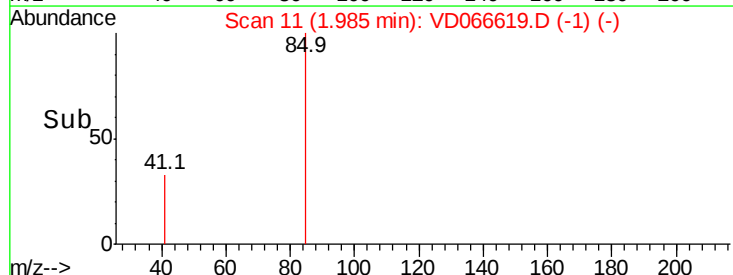
300

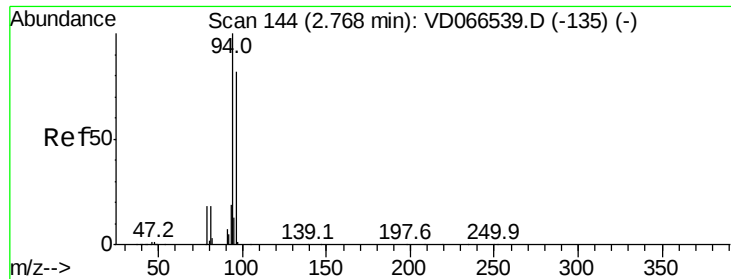
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD066619.D

Acq: 10 Sep 2020 16:38

Instrument :

MSVOA_D

ClientSampled :

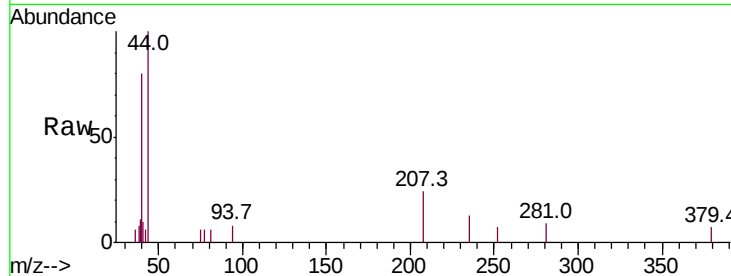
PC-2

Tot Ion: 94 Resp: 77

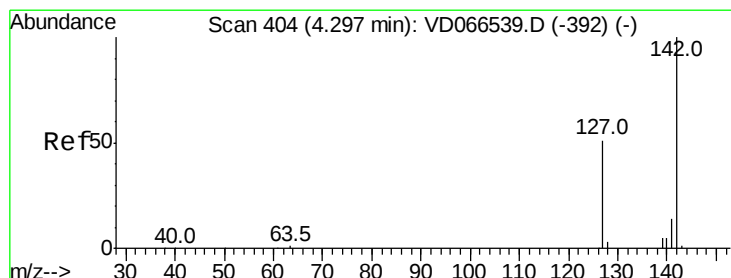
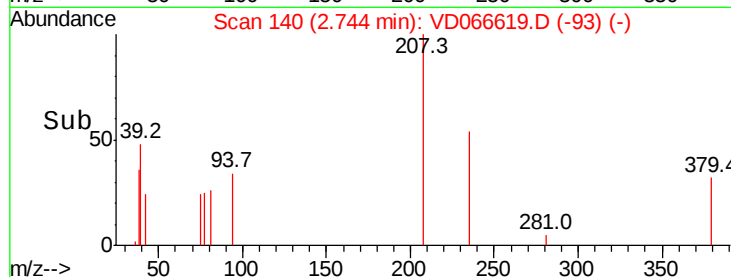
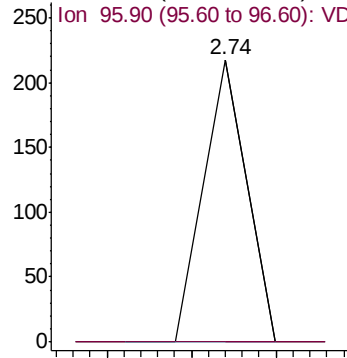
Ion Ratio Lower Upper

94 100

96 0.0 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#10

Methyl Iodide

Concen: 4.041 ug/l

RT: 4.27 min Scan# 400

Delta R.T. -0.02 min

Lab File: VD066619.D

Acq: 10 Sep 2020 16:38

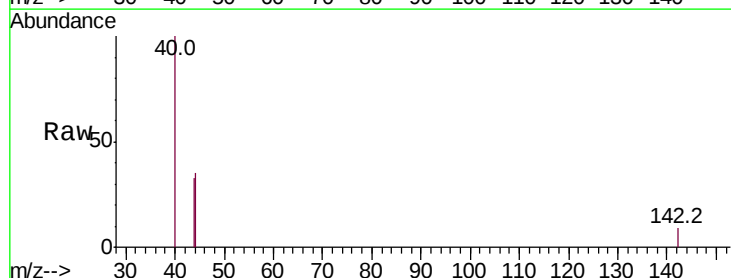
Tgt Ion: 142 Resp: 68

Ion Ratio Lower Upper

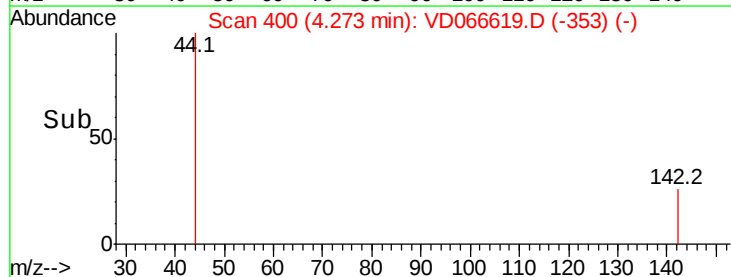
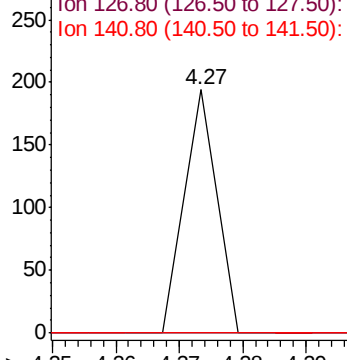
142 100

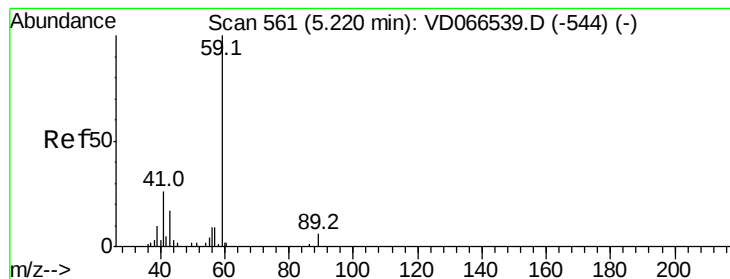
127 0.0 40.6 61.0#

141 0.0 12.2 18.4#



Abundance Ion 141.80 (141.50 to 142.50): V



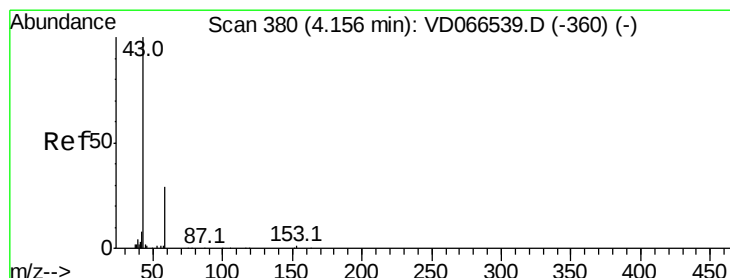
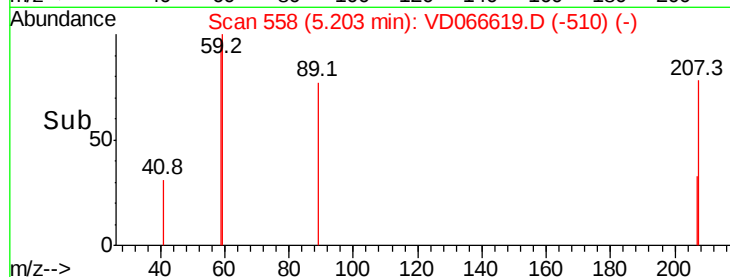
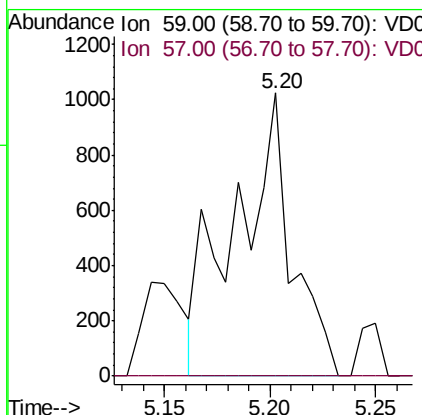
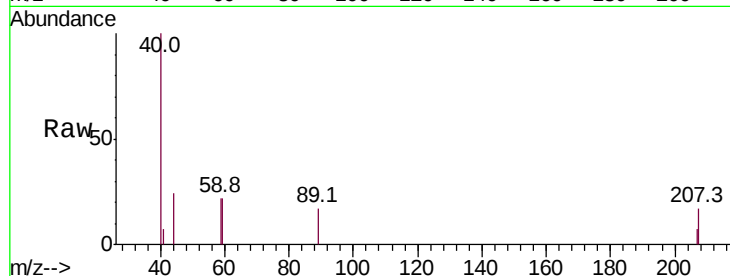


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD066619.D
 Acq: 10 Sep 2020 16:38

Instrument :
 MSVOA_D
 ClientSampled :
 PC-2

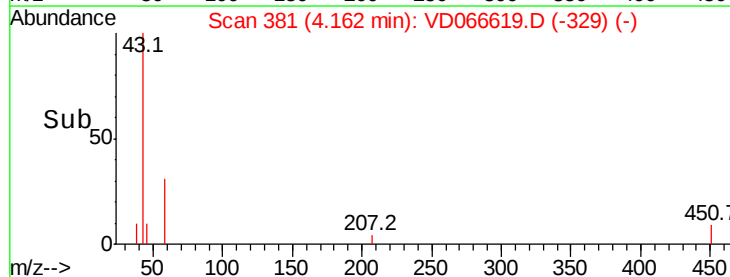
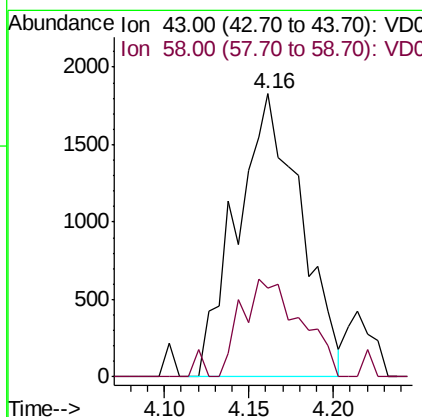
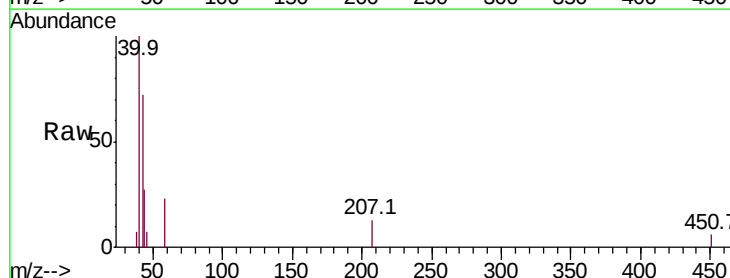
Tot Ion: 59 Resp: 1903
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

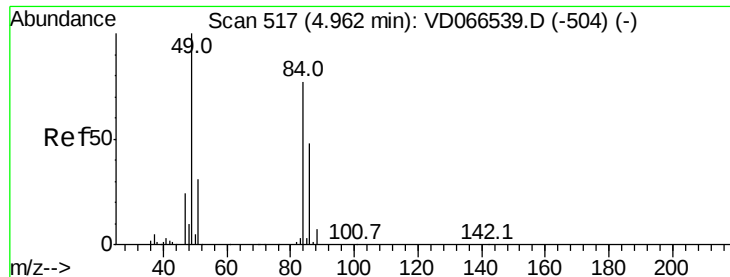


#16

Acetone
 Concen: 6.241 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066619.D
 Acq: 10 Sep 2020 16:38

Tgt Ion: 43 Resp: 4807
 Ion Ratio Lower Upper
 43 100
 58 31.4 22.9 34.3

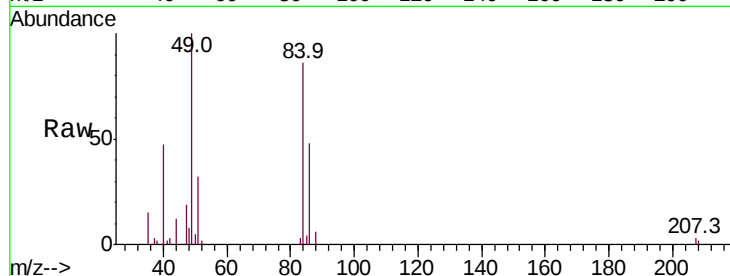




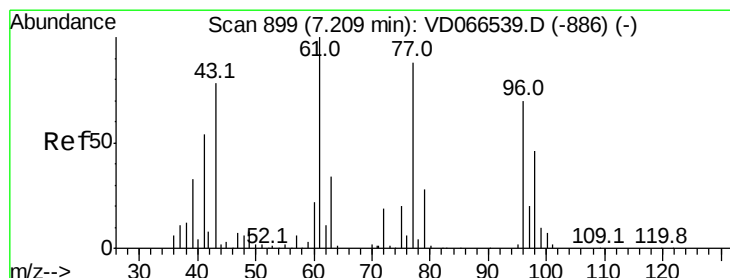
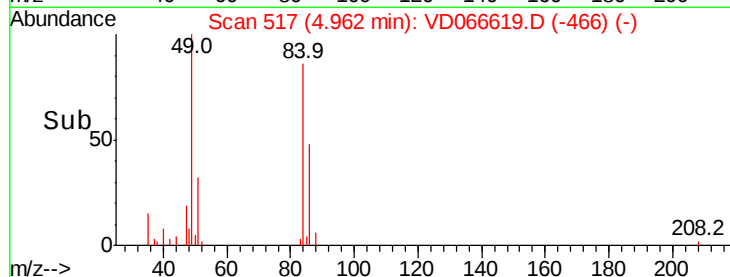
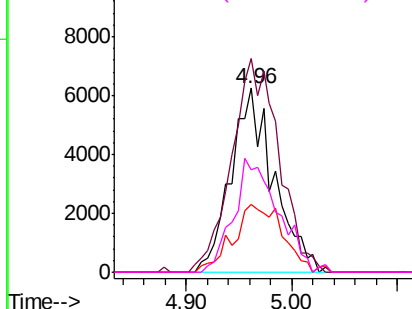
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066619.D
Acq: 10 Sep 2020 16:38

Instrument :
MSVOA_D
ClientSampleId :
PC-2

Tot Ion: 84 Resp: 17653
Ion Ratio Lower Upper
84 100
49 116.0 104.3 156.5
51 37.2 32.2 48.4
86 55.9 50.0 75.0

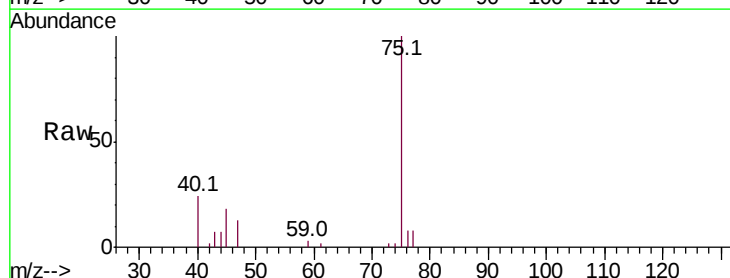


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

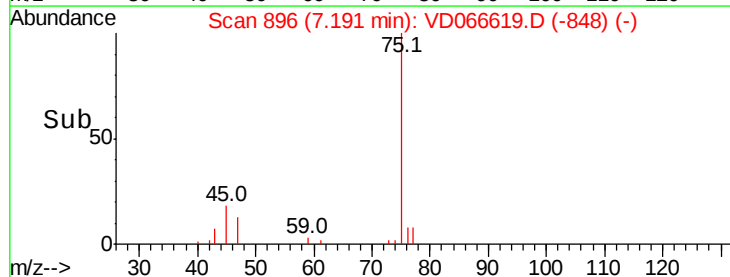
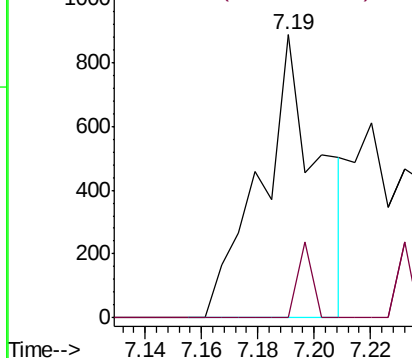


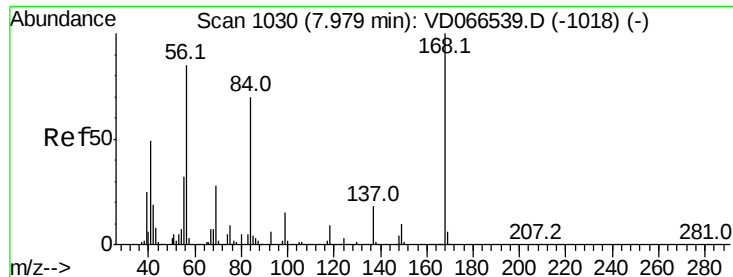
#25
2-Butanone
Concen: 1.236 ug/l
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD066619.D
Acq: 10 Sep 2020 16:38

Tgt Ion: 43 Resp: 1278
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

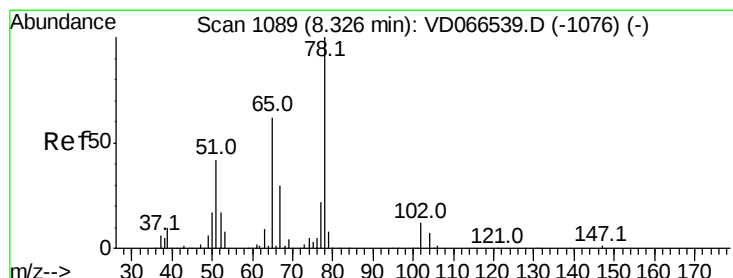
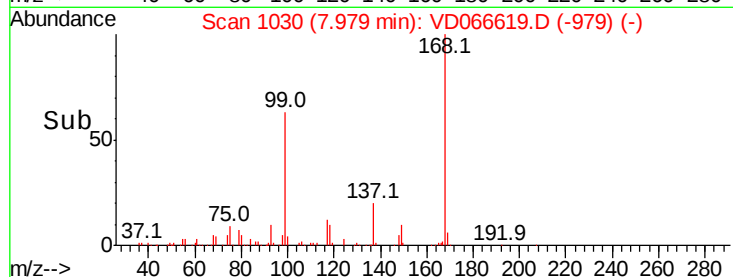
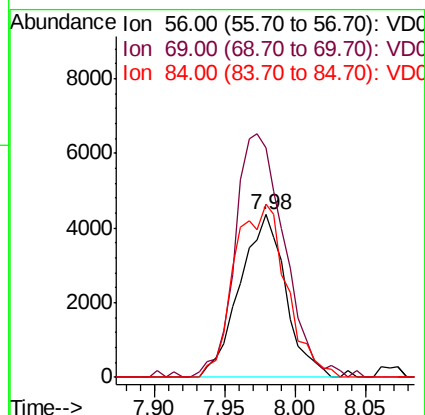
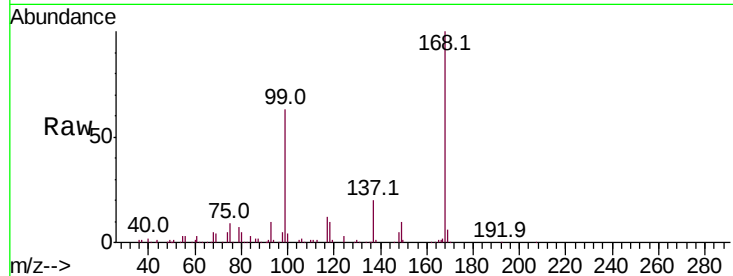




#31
Cyclohexane
Concen: 1.448 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066619.D
Acq: 10 Sep 2020 16:38

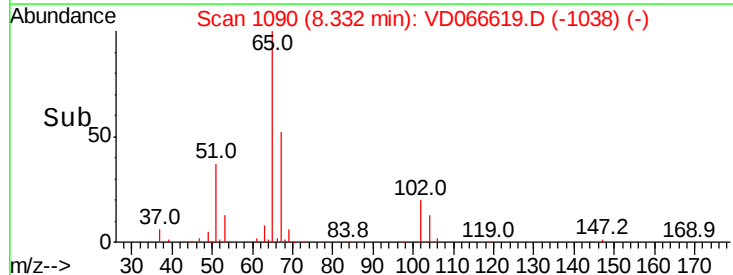
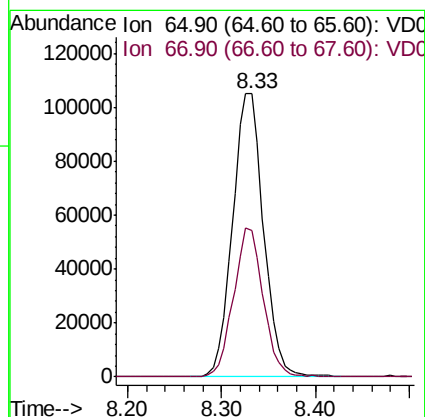
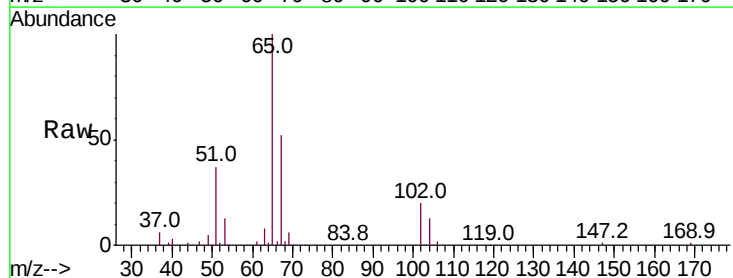
Instrument :
MSVOA_D
ClientSampled :
PC-2

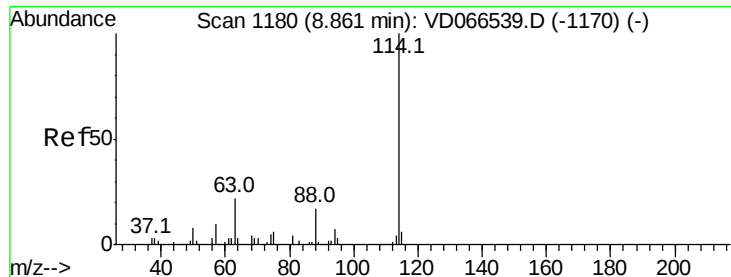
Tot Ion: 56 Resp: 9890
Ion Ratio Lower Upper
56 100
69 141.3 26.3 39.5#
84 106.3 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 57.265 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VD066619.D
Acq: 10 Sep 2020 16:38

Tgt Ion: 65 Resp: 239702
Ion Ratio Lower Upper
65 100
67 50.5 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: VD066619.D

Acq: 10 Sep 2020 16:38

Instrument :

MSVOA_D

ClientSampleId :

PC-2

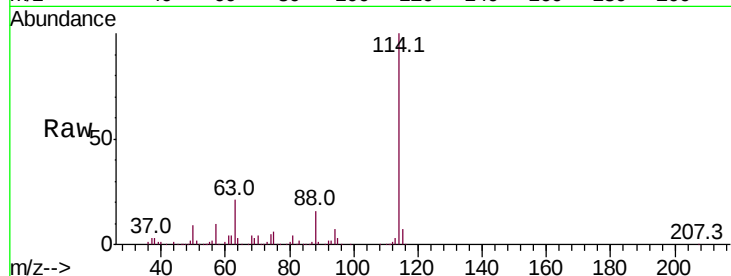
Tot Ion:114 Resp: 649832

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

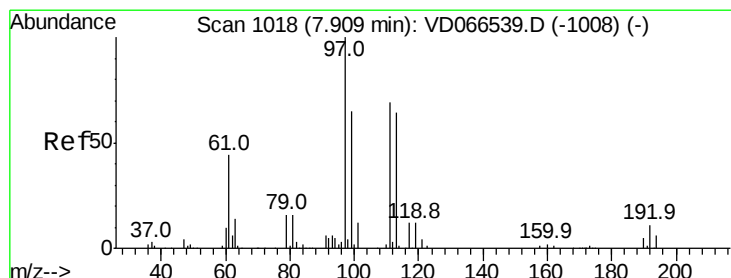
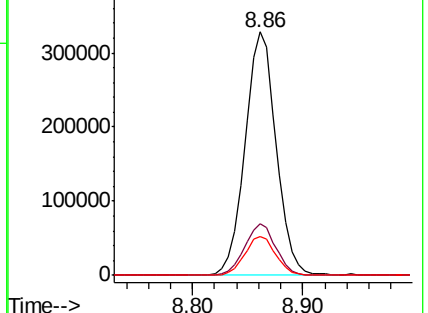
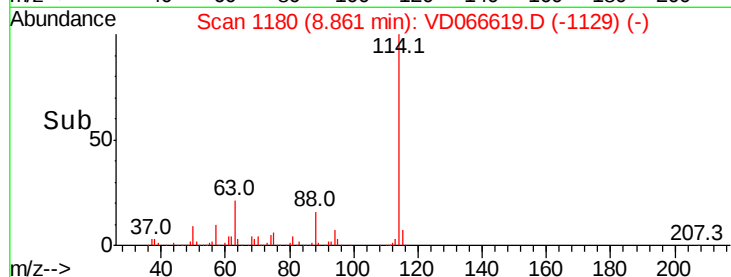
88 15.8 0.0 33.2



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: 51.195 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066619.D

Acq: 10 Sep 2020 16:38

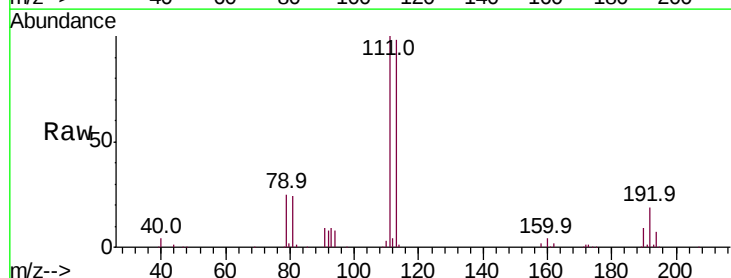
Tgt Ion:113 Resp: 224432

Ion Ratio Lower Upper

113 100

111 101.1 83.2 124.8

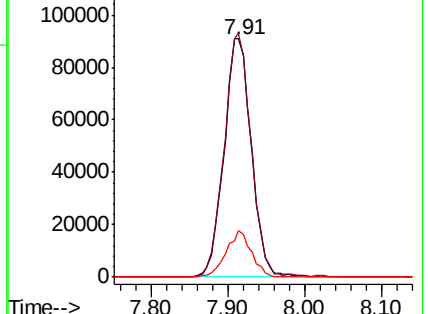
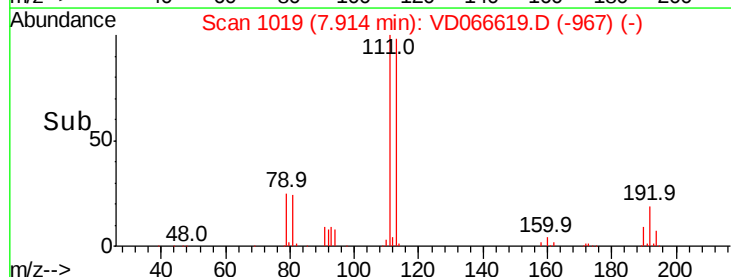
192 18.0 13.7 20.5

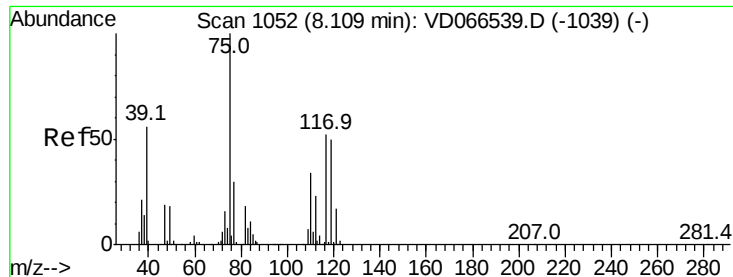


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.836 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066619.D

Acq: 10 Sep 2020 16:38

Instrument :

MSVOA_D

ClientSampleId :

PC-2

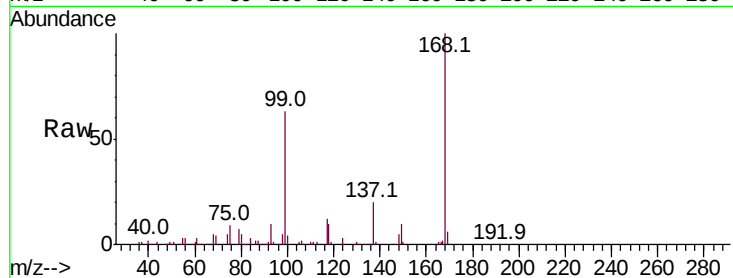
Tot Ion: 75 Resp: 32708

Ion Ratio Lower Upper

75 100

110 12.3 17.3 52.0#

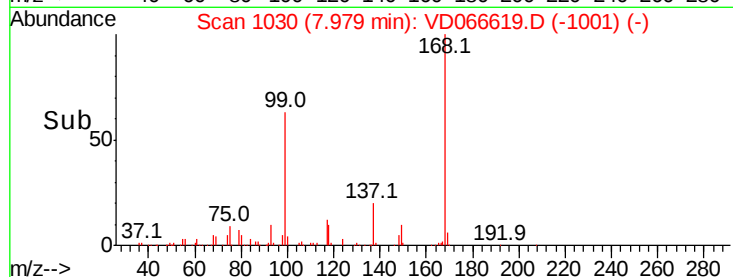
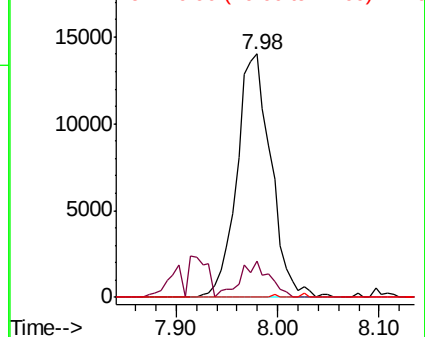
77 0.2 25.1 37.7#



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: 5.678 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066619.D

Acq: 10 Sep 2020 16:38

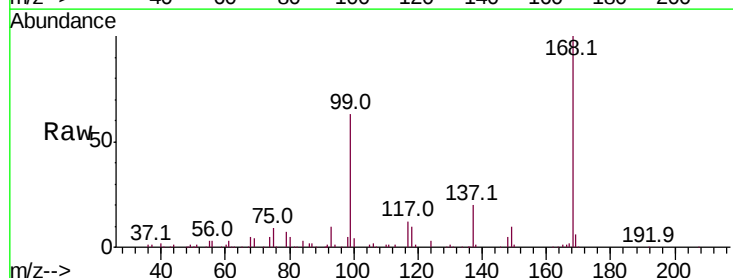
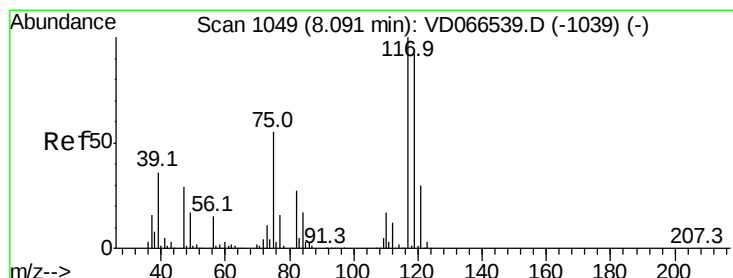
Tgt Ion: 117 Resp: 40587

Ion Ratio Lower Upper

117 100

119 5.9 73.9 110.9#

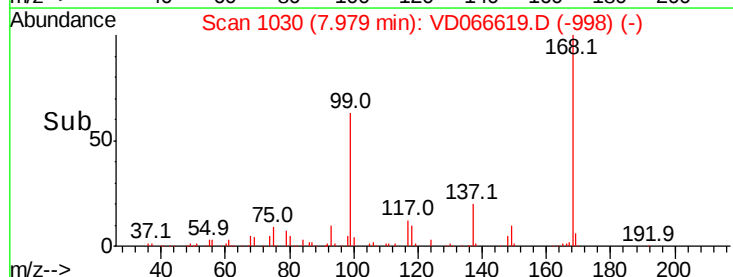
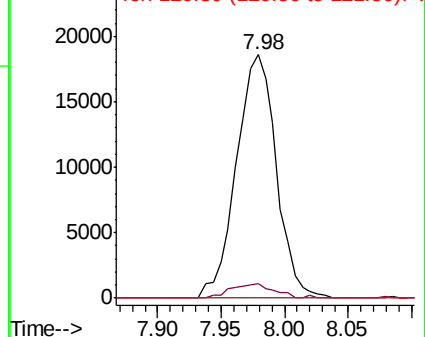
121 0.0 24.1 36.1#

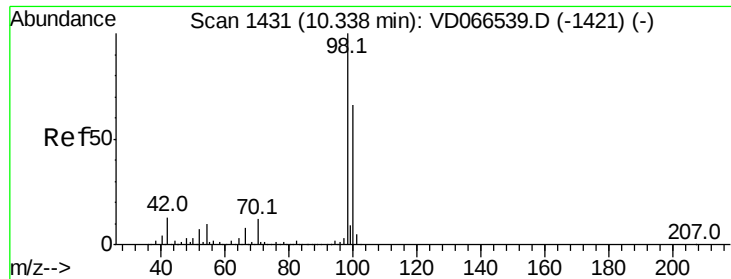


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

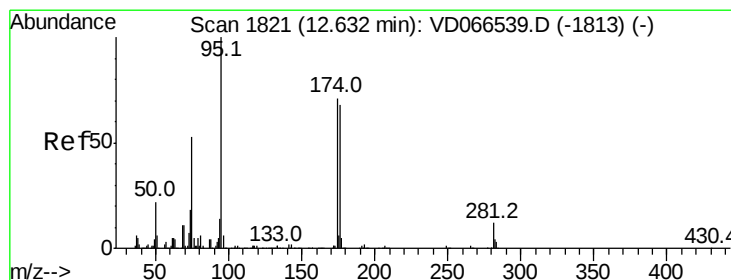
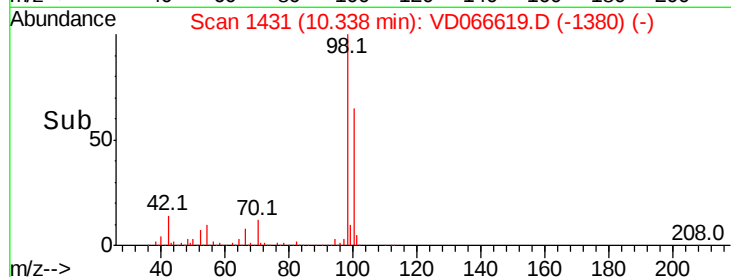
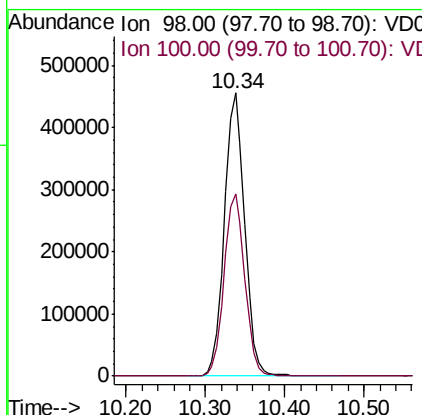
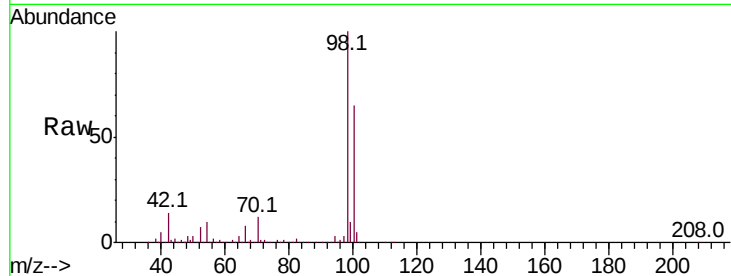




#50
Toluene-d8
Concen: 51.462 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066619.D
Acq: 10 Sep 2020 16:38

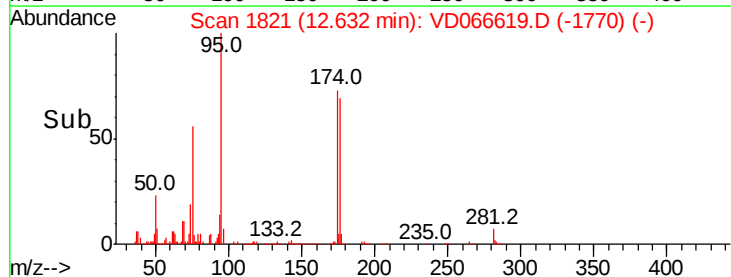
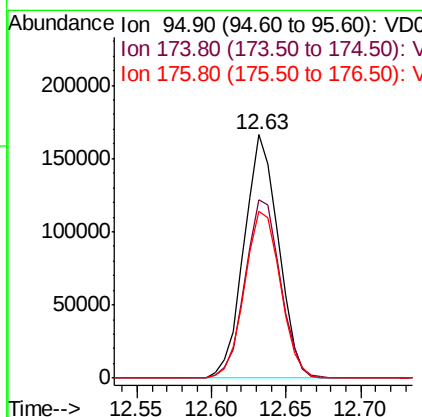
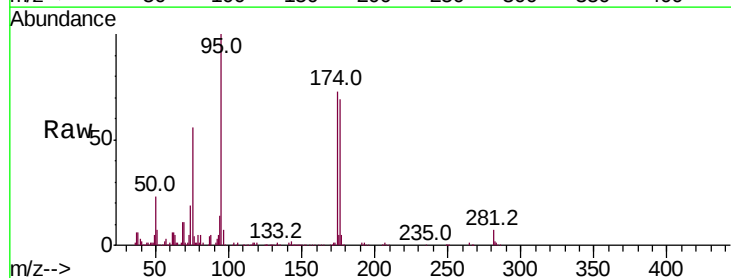
Instrument :
MSVOA_D
ClientSampled :
PC-2

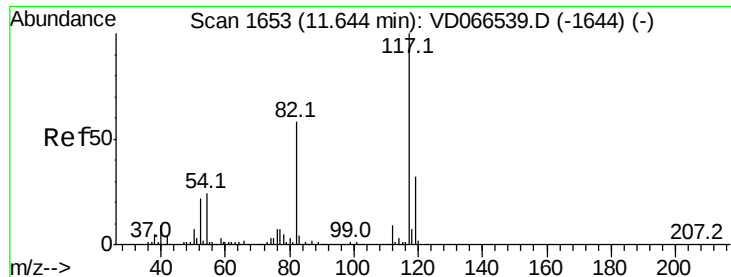
Tot Ion: 98 Resp: 806331
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 50.794 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066619.D
Acq: 10 Sep 2020 16:38

Tgt Ion: 95 Resp: 263899
Ion Ratio Lower Upper
95 100
174 75.7 0.0 155.8
176 71.9 0.0 148.6

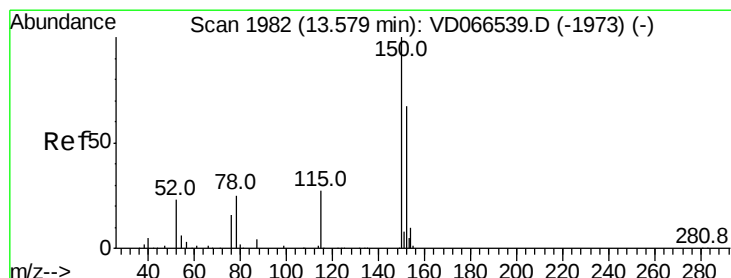
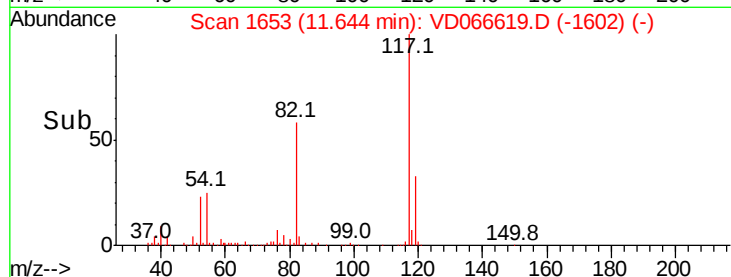
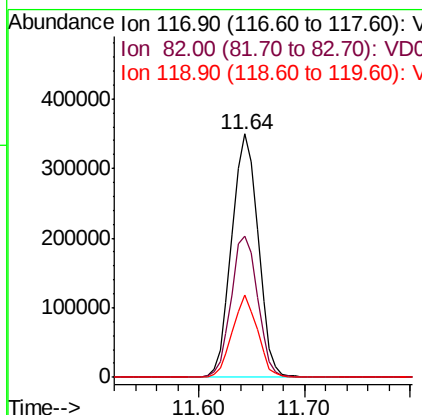
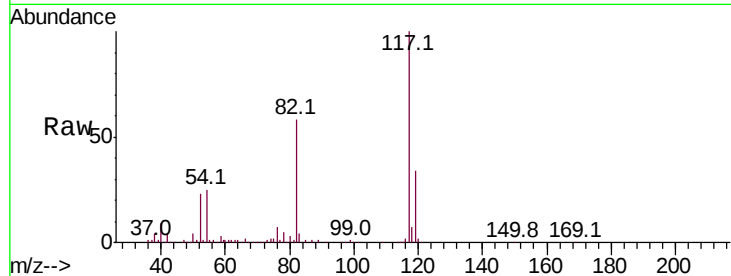




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066619.D
Acq: 10 Sep 2020 16:38

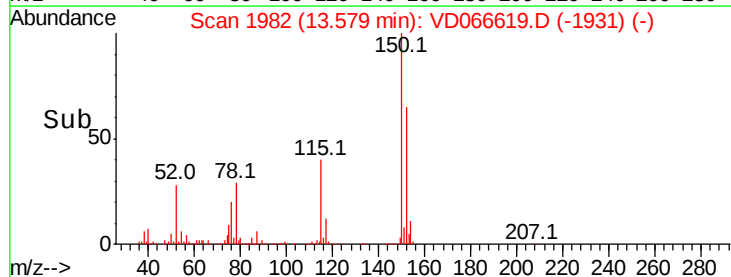
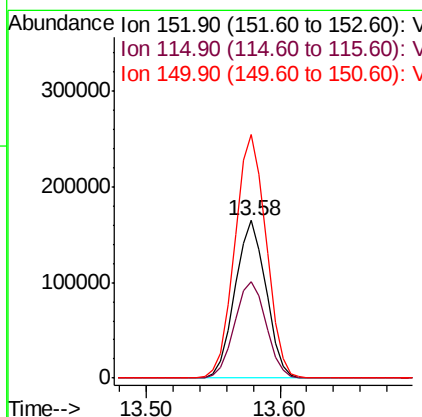
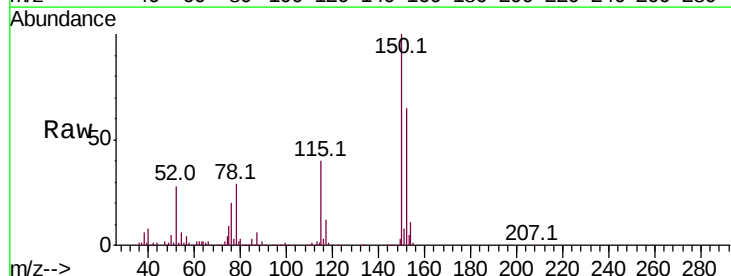
Instrument :
MSVOA_D
ClientSampleId :
PC-2

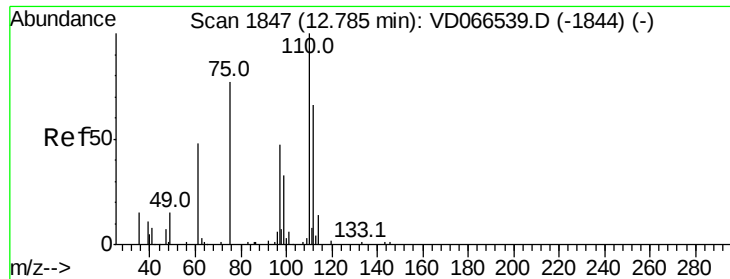
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.2	69.2
119	33.6	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066619.D
Acq: 10 Sep 2020 16:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	30.4	91.2
150	156.5	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 58.790 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066619.D

Acq: 10 Sep 2020 16:38

Instrument :

MSVOA_D

ClientSampleId :

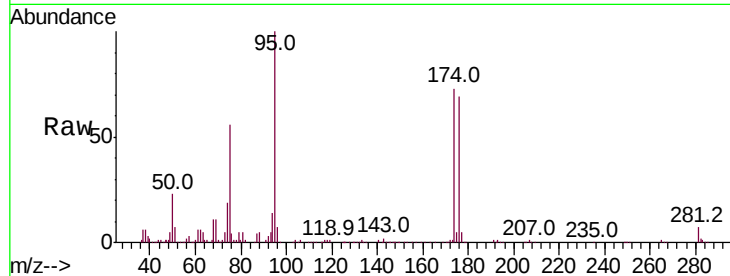
PC-2

Tot Ion: 75 Resp: 149927

Ion Ratio Lower Upper

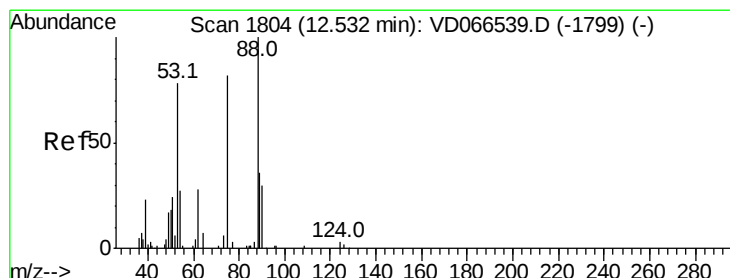
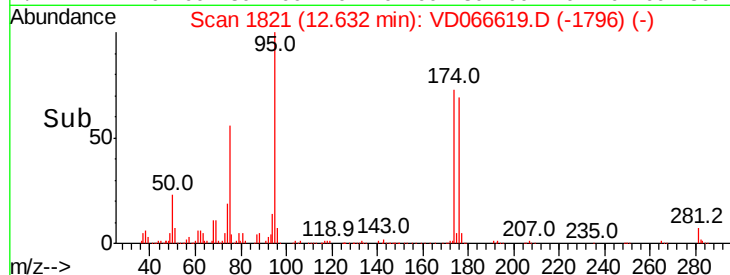
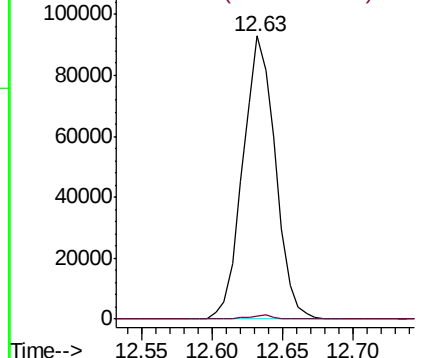
75 100

77 1.1 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: 137.254 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066619.D

Acq: 10 Sep 2020 16:38

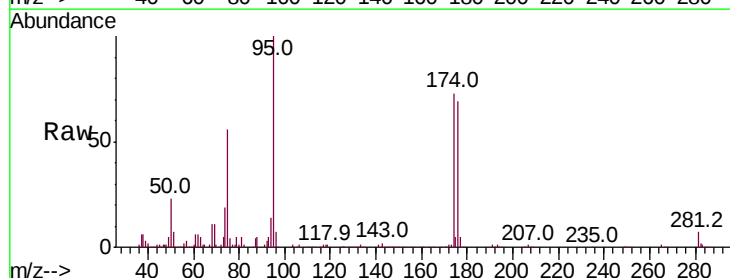
Tgt Ion: 75 Resp: 149927

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.1 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

