

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066942.D
 Acq On : 29 Sep 2020 16:47
 Operator : VA/SY
 Sample : L4172-12
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-8(9-11)

Quant Time: Sep 30 02:37:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	418013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	725505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	756098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	367120	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	207384	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
35) Dibromofluoromethane	7.91	113	226481	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.14%	
50) Toluene-d8	10.34	98	871221	55.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.80%	
62) 4-Bromofluorobenzene	12.63	95	330336	61.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.72%	

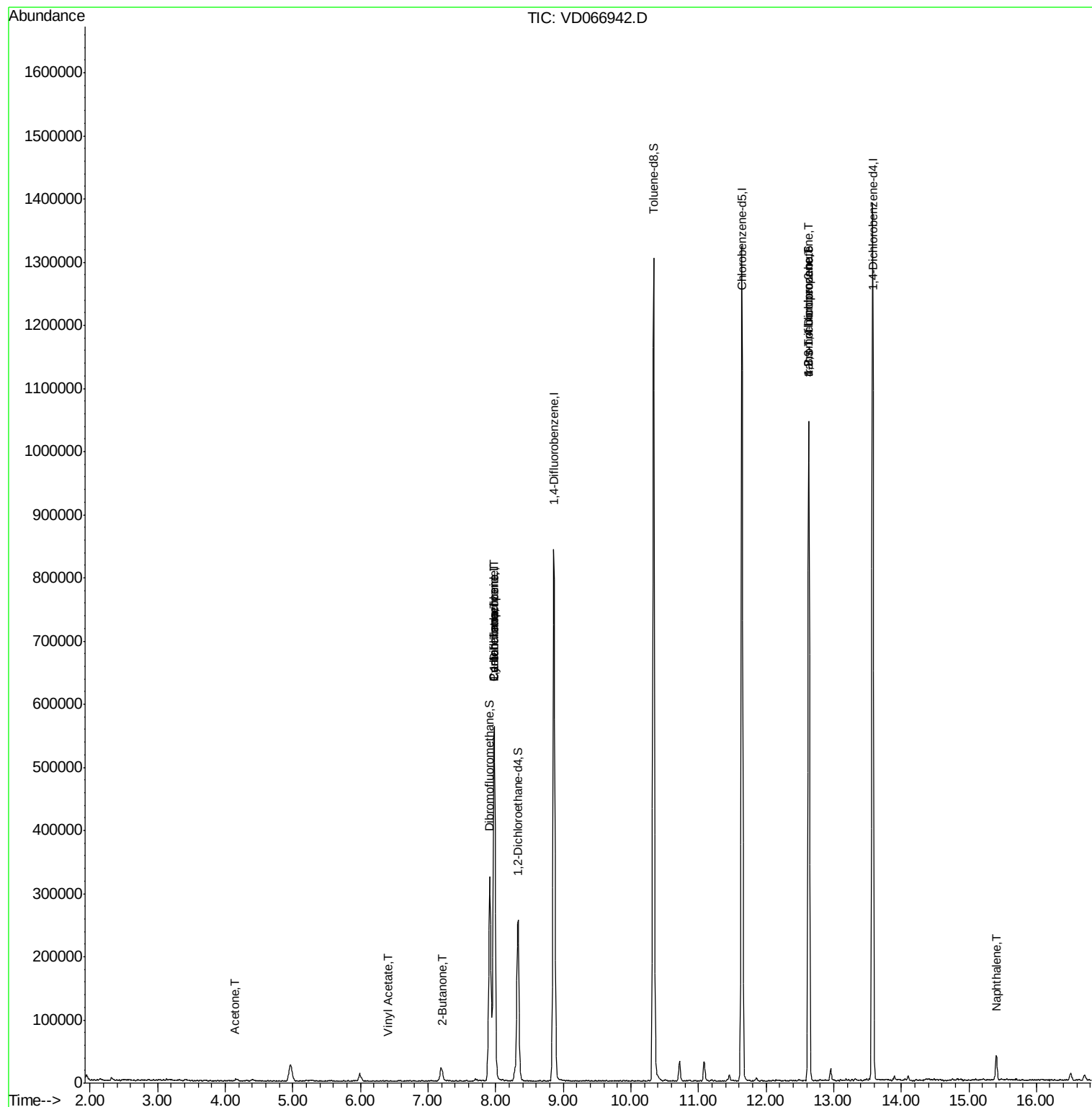
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	308	Below Cal	#	46
11) Tert butyl alcohol	5.21	59	86	Below Cal	#	72
16) Acetone	4.15	43	5063	5.834	ug/l	89
18) Methyl Acetate	4.73	43	58	Below Cal	#	50
20) Methylene Chloride	4.97	84	21936	Below Cal		95
23) Vinyl Acetate	6.41	43	110	2.688	ug/l #	71
25) 2-Butanone	7.21	43	2124	2.036	ug/l	89
31) Cyclohexane	7.98	56	9299	1.250	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	33991	4.723	ug/l #	50
38) Carbon Tetrachloride	7.98	117	41763	5.307	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	169325	55.655	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	169325	139.244	ug/l #	10
95) Naphthalene	15.41	128	35390	3.158	ug/l	96

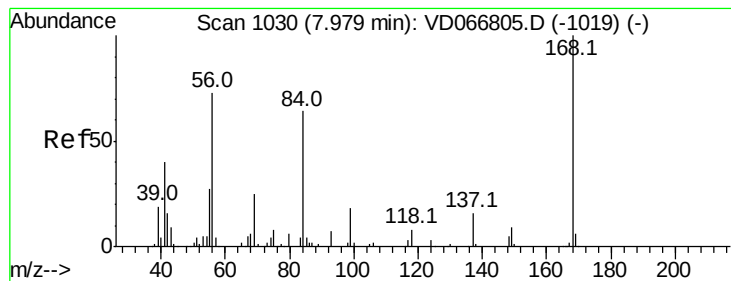
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066942.D

Acq: 29 Sep 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

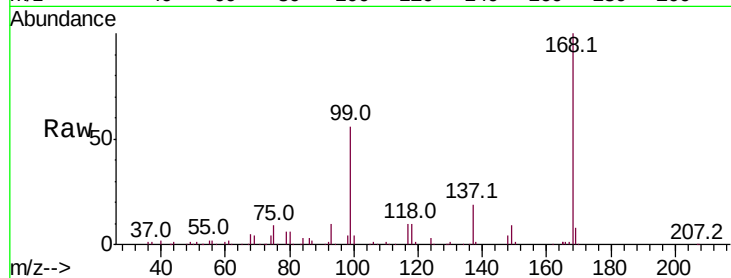
B-8(9-11)

Tot Ion:168 Resp: 418013

Ion Ratio Lower Upper

168 100

99 56.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

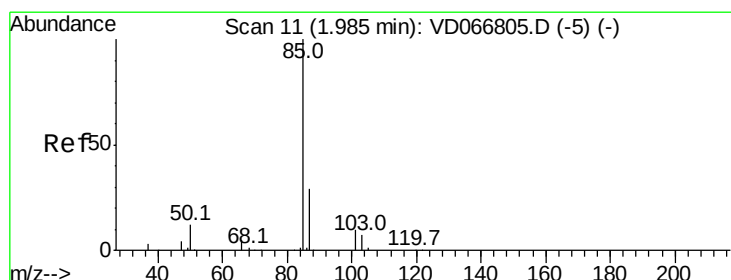
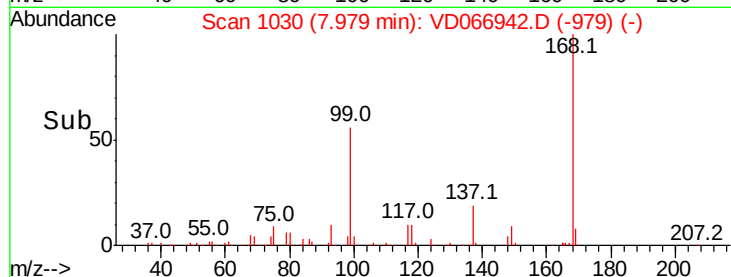
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066942.D

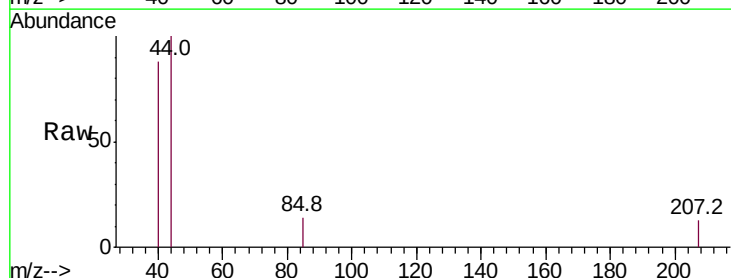
Acq: 29 Sep 2020 16:47

Tgt Ion: 85 Resp: 308

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

400

300

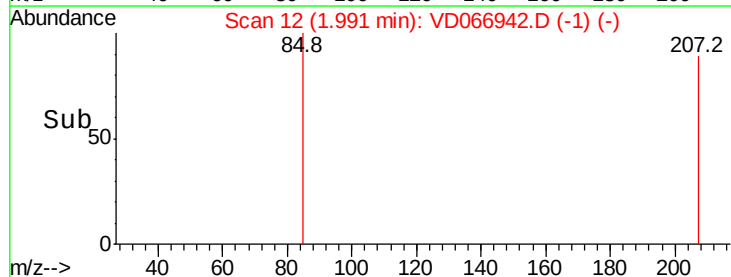
200

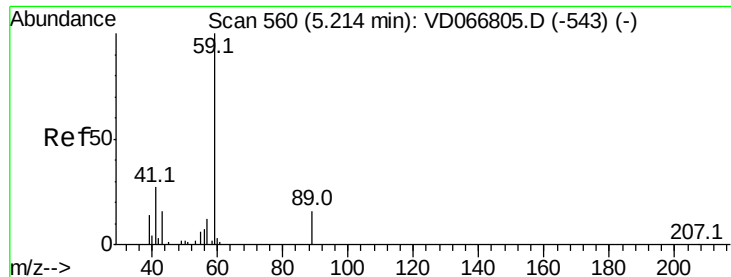
100

0

1.96 1.98 2.00

Time-->



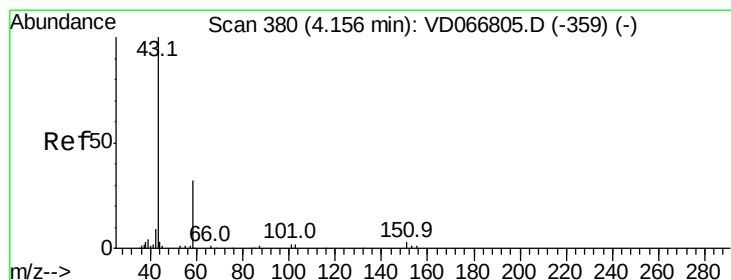
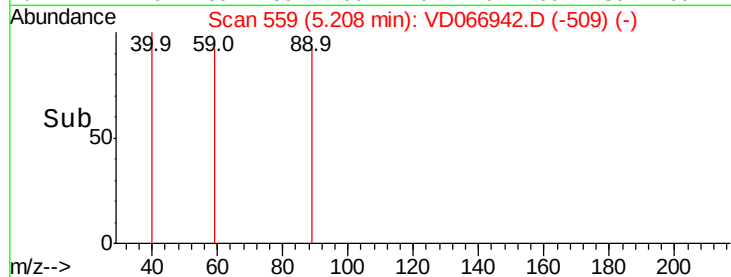
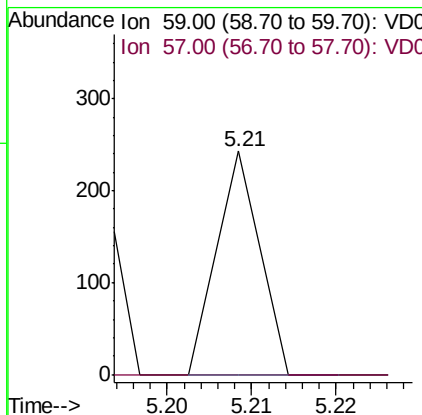
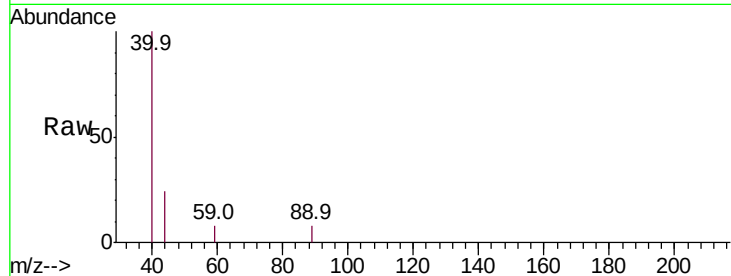


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066942.D
 Acq: 29 Sep 2020 16:47

Instrument :
 MSVOA_D
 ClientSampleId :
 B-8(9-11)

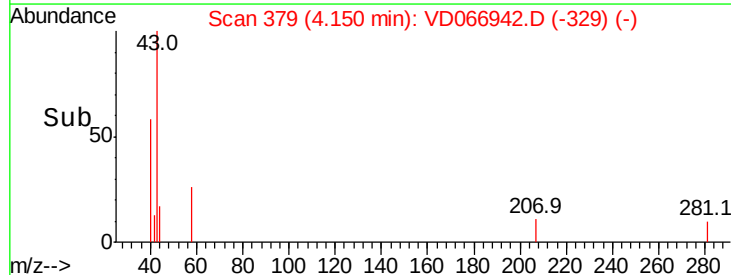
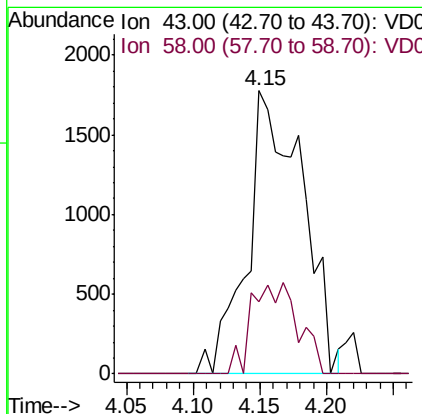
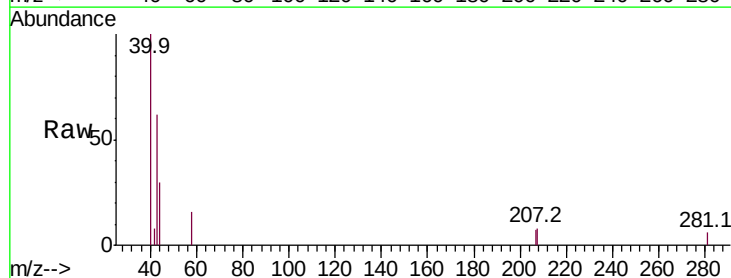
Tot Ion: 59 Resp: 86
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

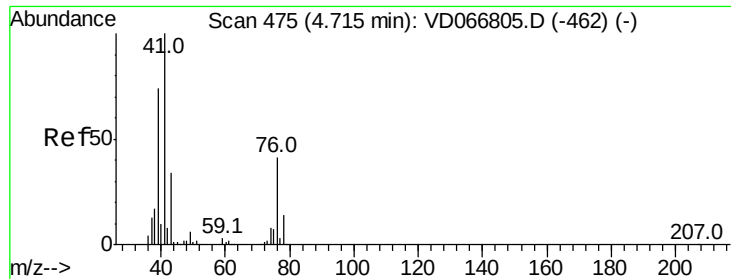


#16

Acetone
 Concen: 5.834 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD066942.D
 Acq: 29 Sep 2020 16:47

Tgt Ion: 43 Resp: 5063
 Ion Ratio Lower Upper
 43 100
 58 25.7 25.6 38.4

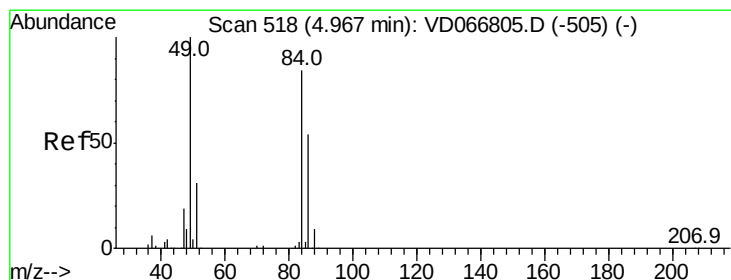
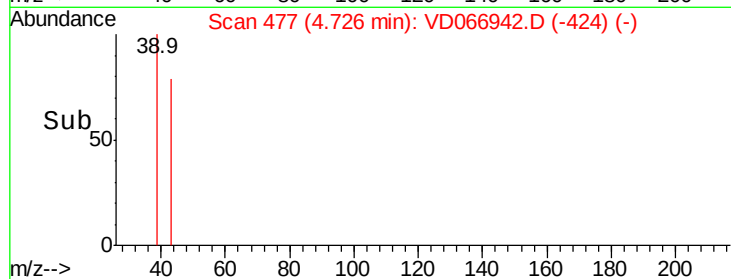
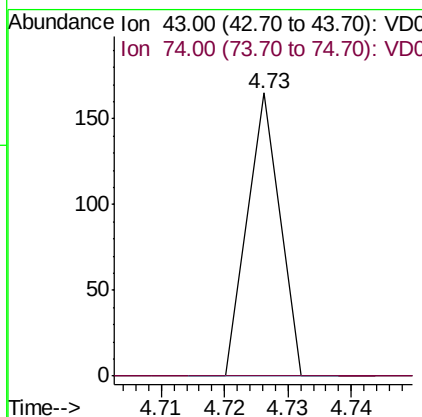
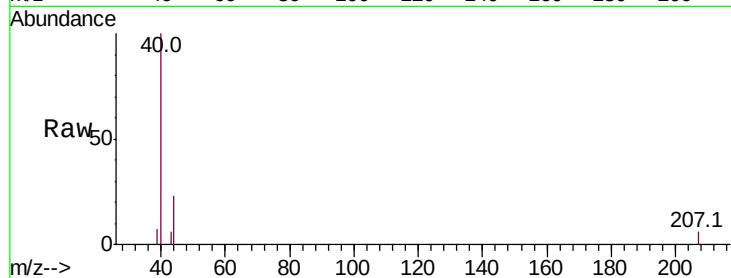




#18
Methyl Acetate
Concen: Below Cal
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD066942.D
Acq: 29 Sep 2020 16:47

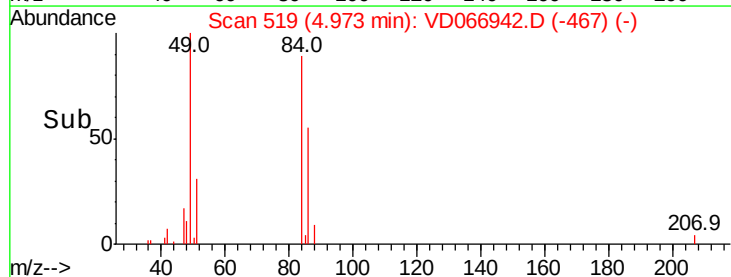
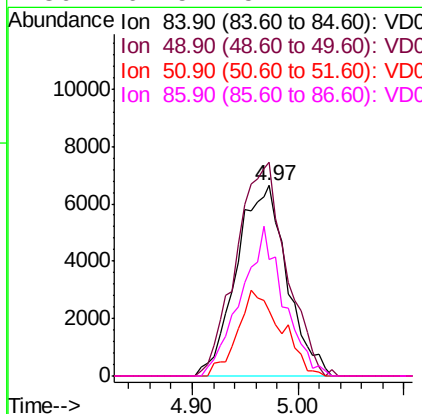
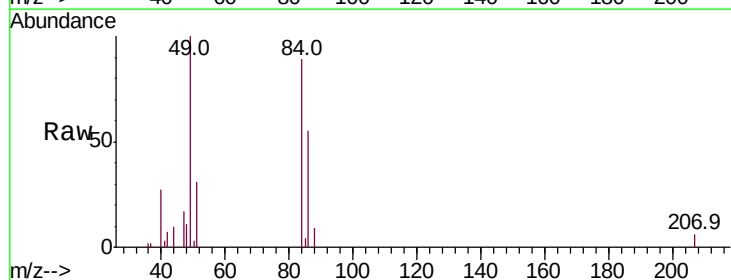
Instrument :
MSVOA_D
ClientSampleId :
B-8(9-11)

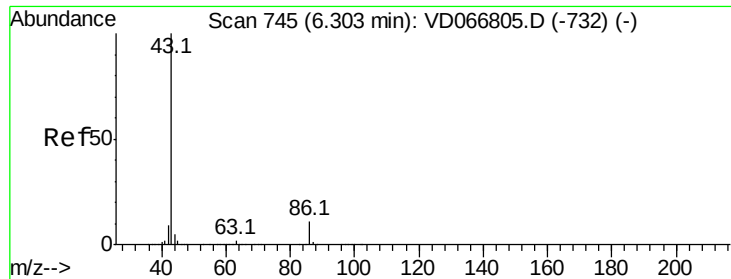
Tot Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066942.D
Acq: 29 Sep 2020 16:47

Tgt Ion: 84 Resp: 21936
Ion Ratio Lower Upper
84 100
49 112.3 95.4 143.2
51 34.5 29.7 44.5
86 61.5 51.4 77.2





#23

Vinyl Acetate

Concen: 2.688 ug/l

RT: 6.41 min Scan# 764

Delta R.T. 0.11 min

Lab File: VD066942.D

Acq: 29 Sep 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

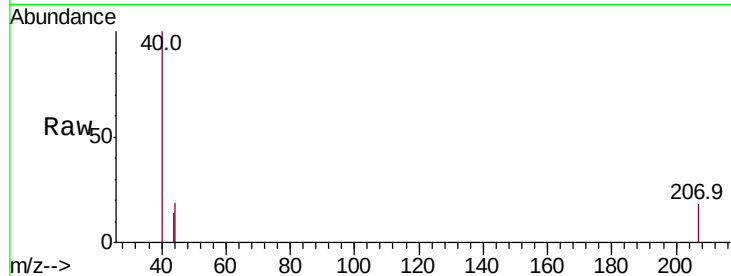
B-8(9-11)

Tot Ion: 43 Resp: 110

Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.41

300

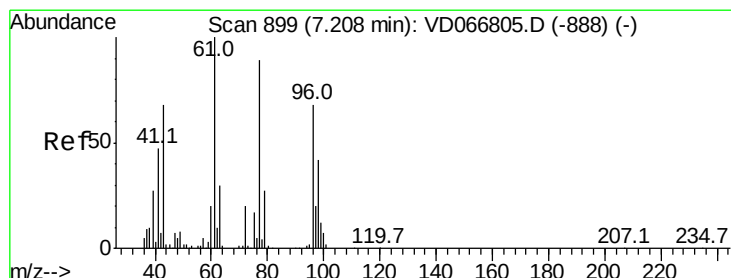
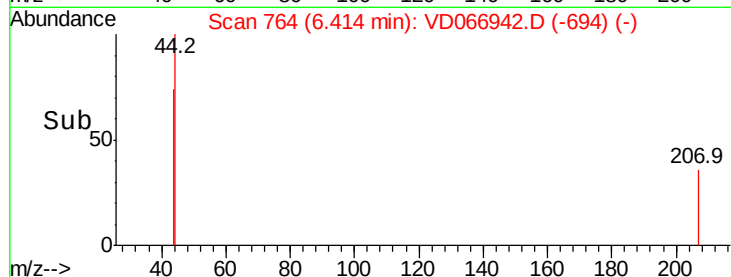
200

100

0

6.40 6.41 6.42 6.43

Time-->



#25

2-Butanone

Concen: 2.036 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066942.D

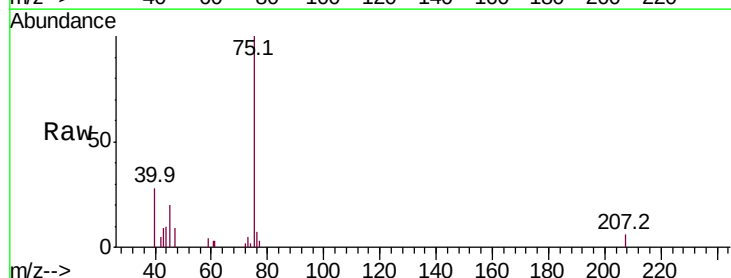
Acq: 29 Sep 2020 16:47

Tgt Ion: 43 Resp: 2124

Ion Ratio Lower Upper

43 100

72 23.0 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

800

600

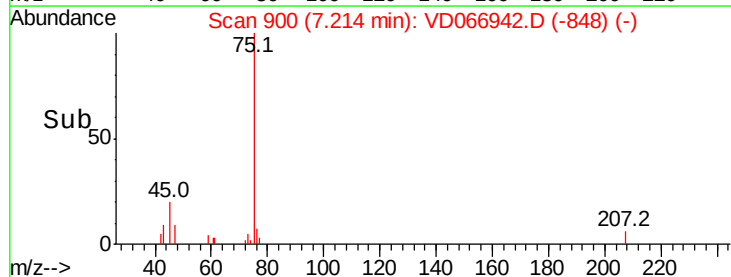
400

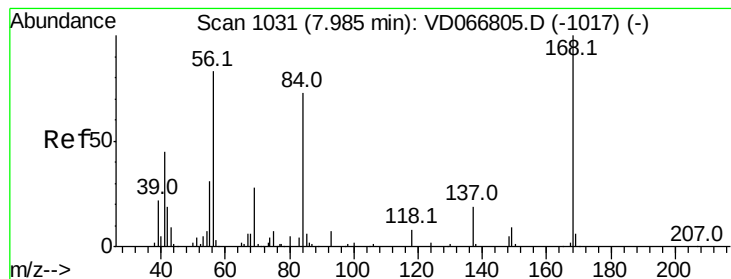
200

0

7.15 7.20 7.25

Time-->





#31

Cyclohexane

Concen: 1.250 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066942.D

Acq: 29 Sep 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

B-8(9-11)

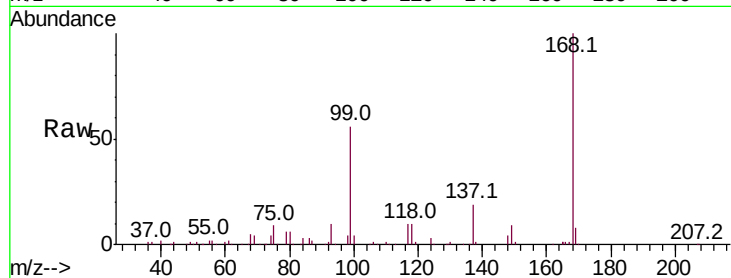
Tot Ion: 56 Resp: 9299

Ion Ratio Lower Upper

56 100

69 170.2 27.0 40.4#

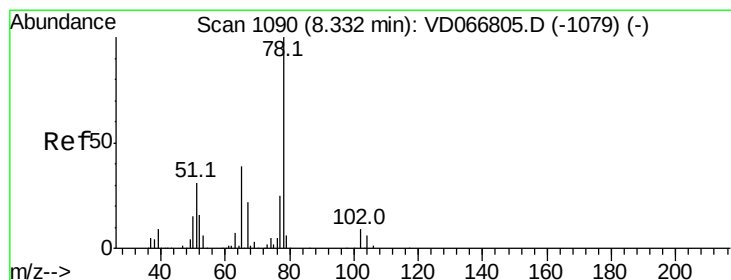
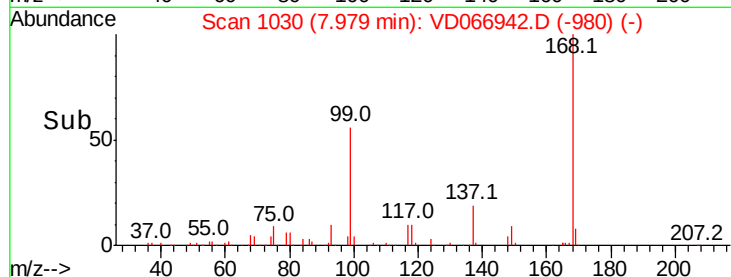
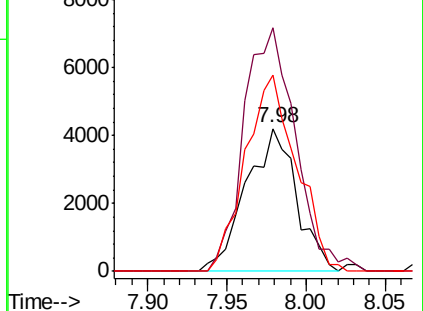
84 137.2 70.2 105.4#



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: 50.689 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066942.D

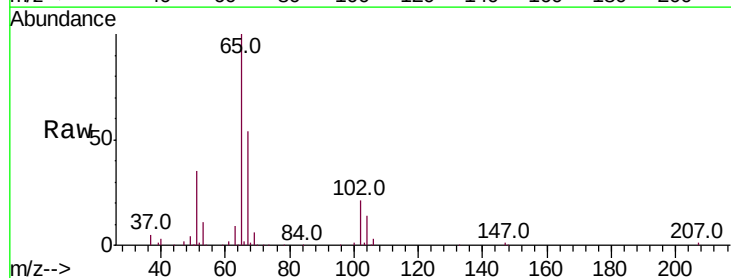
Acq: 29 Sep 2020 16:47

Tgt Ion: 65 Resp: 207384

Ion Ratio Lower Upper

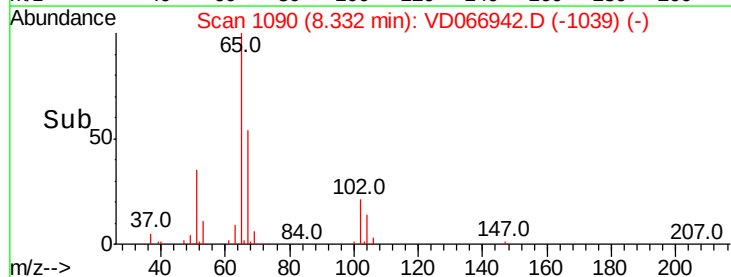
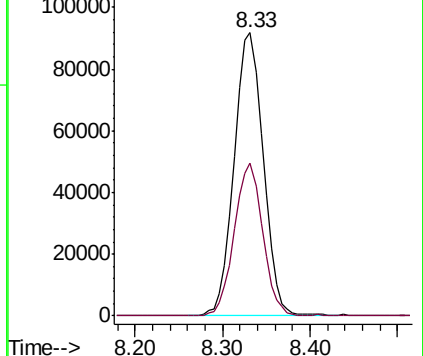
65 100

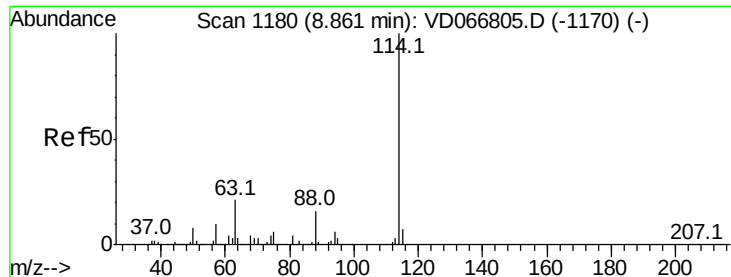
67 52.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

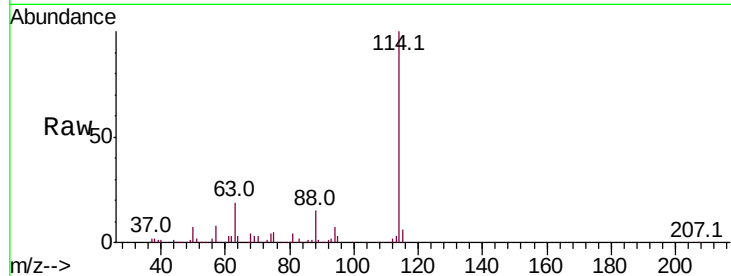




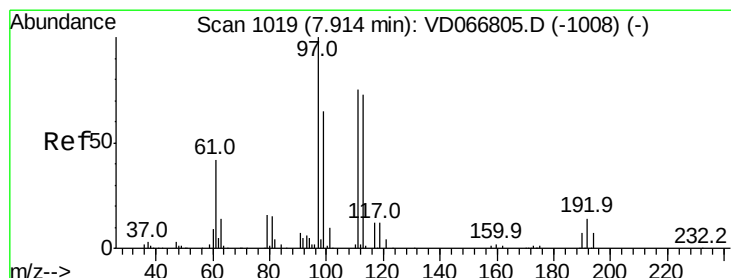
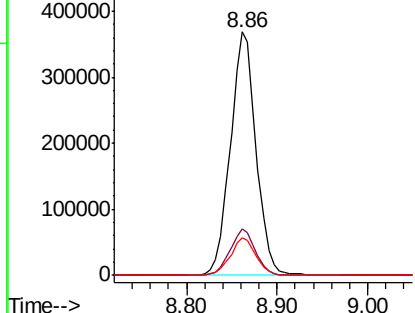
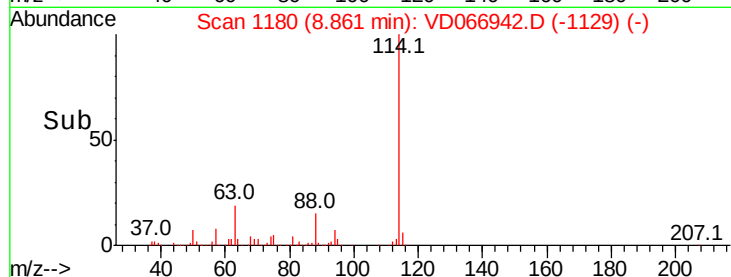
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066942.D
 Acq: 29 Sep 2020 16:47

Instrument :
 MSVOA_D
 ClientSampleId :
 B-8(9-11)

Tot Ion:114	Resp:	725505
Ion Ratio	Lower	Upper
114 100		
63 18.9	0.0	42.6
88 15.2	0.0	32.6

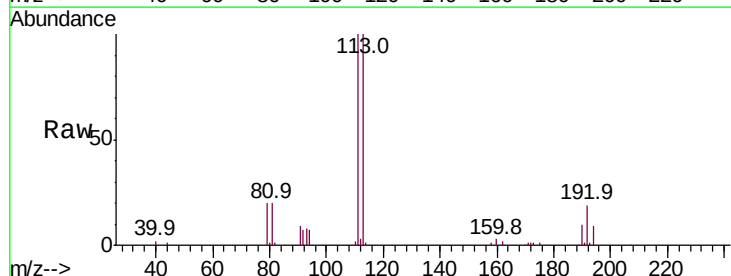


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

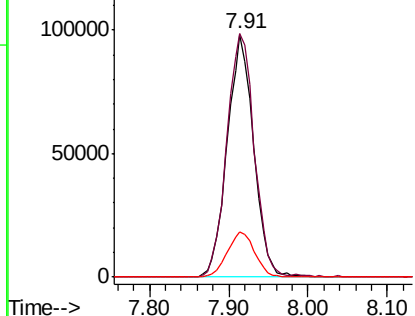
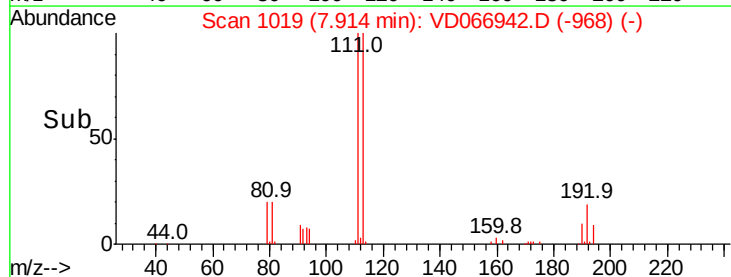


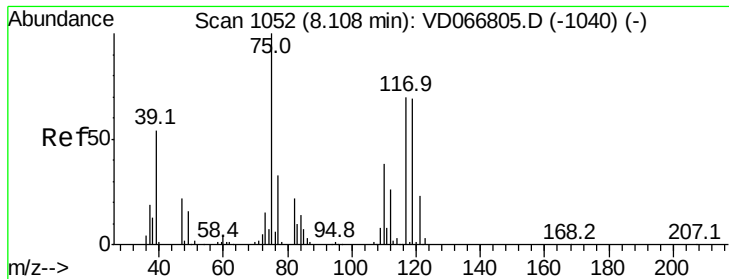
#35
 Dibromofluoromethane
 Concen: 49.068 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066942.D
 Acq: 29 Sep 2020 16:47

Tgt Ion:113	Resp:	226481
Ion Ratio	Lower	Upper
113 100		
111 104.3	81.8	122.8
192 19.2	14.4	21.6



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: 4.723 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066942.D

Acq: 29 Sep 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

B-8(9-11)

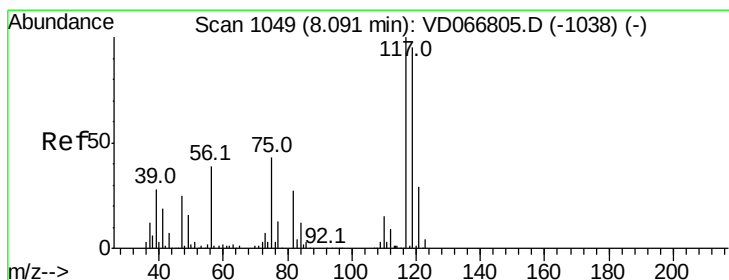
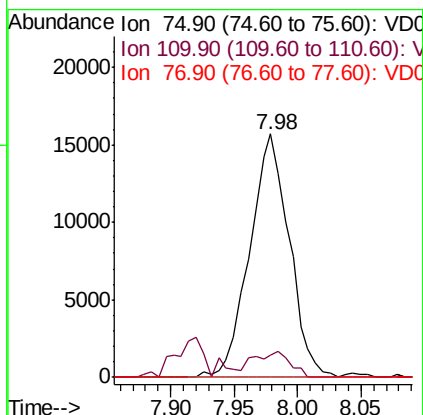
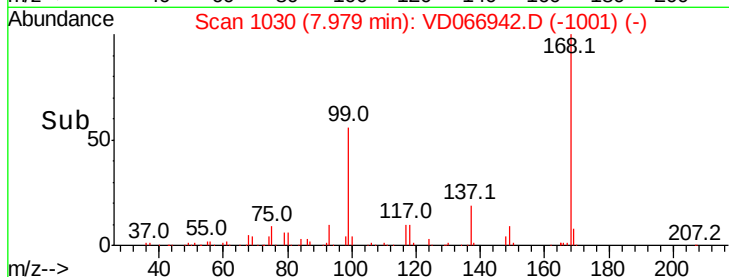
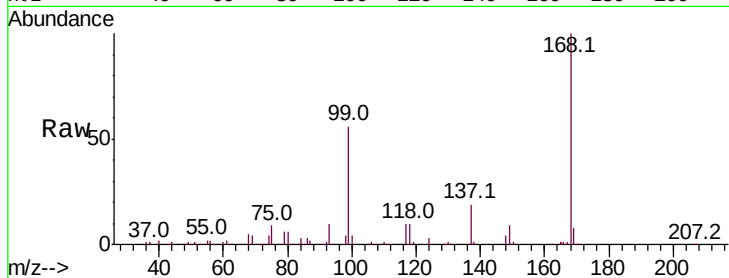
Tot Ion: 75 Resp: 33991

Ion Ratio Lower Upper

75 100

110 9.8 17.9 53.8#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.307 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066942.D

Acq: 29 Sep 2020 16:47

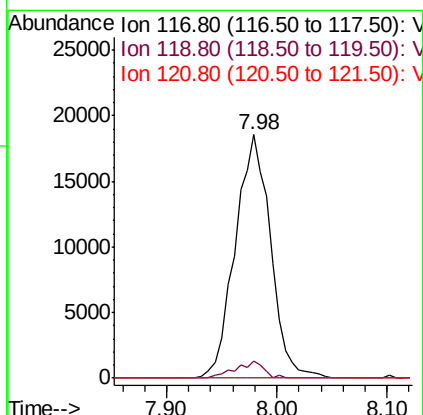
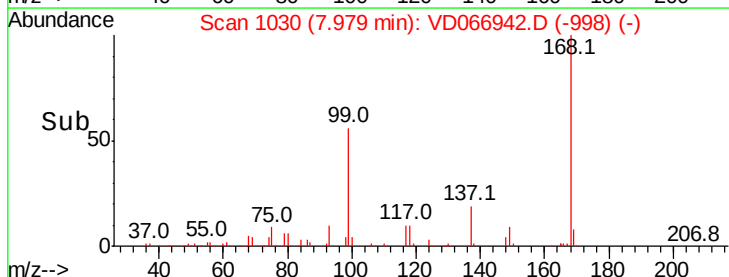
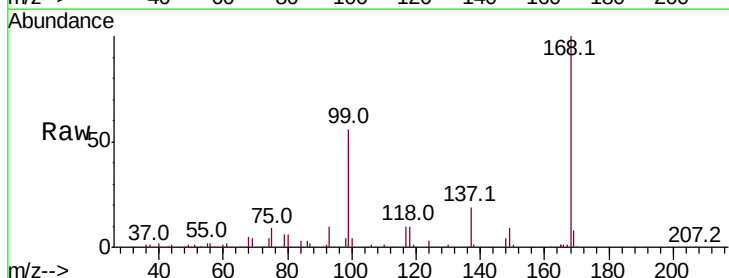
Tgt Ion: 117 Resp: 41763

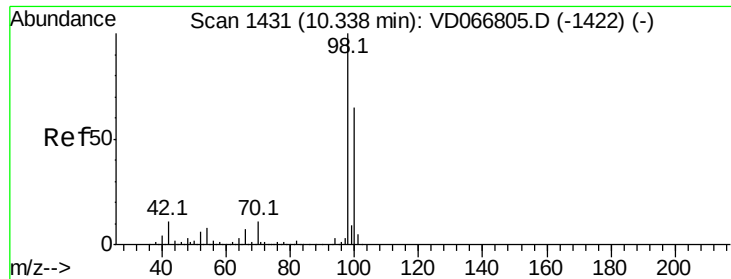
Ion Ratio Lower Upper

117 100

119 6.9 75.8 113.8#

121 0.0 23.4 35.0#

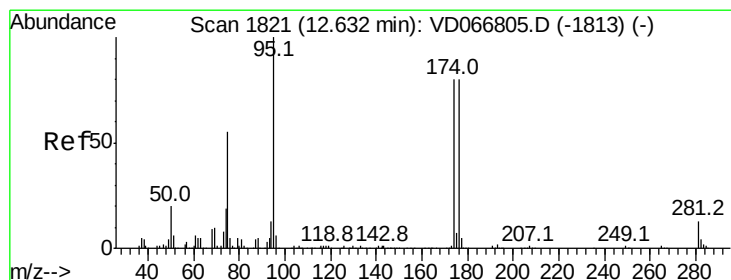
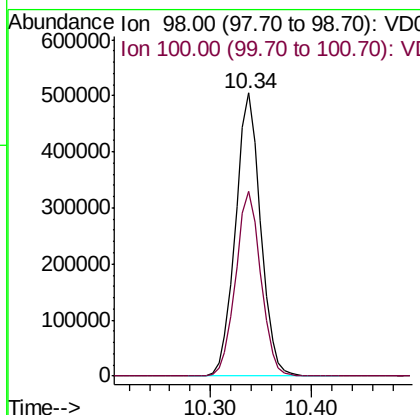
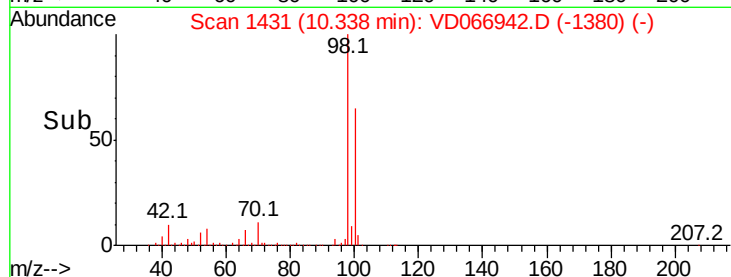
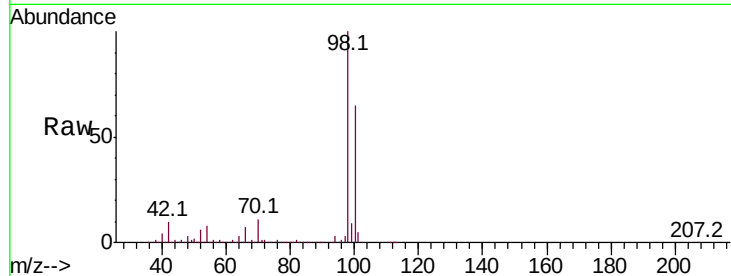




#50
Toluene-d8
Concen: 55.399 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066942.D
Acq: 29 Sep 2020 16:47

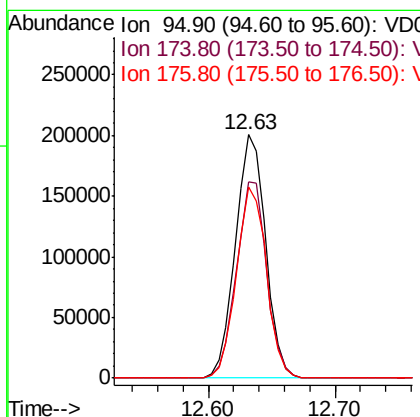
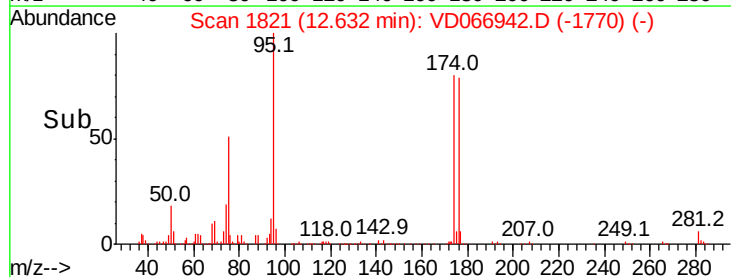
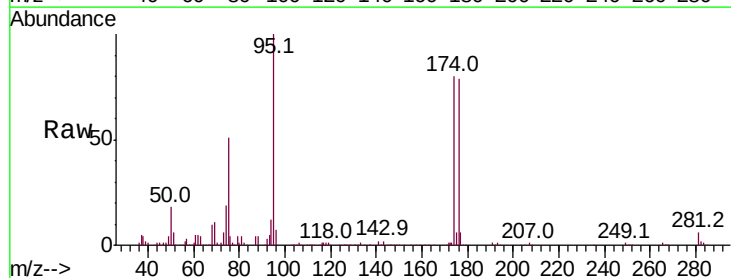
Instrument :
MSVOA_D
ClientSampleId :
B-8(9-11)

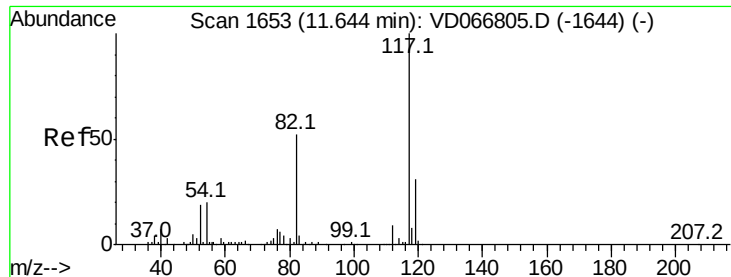
Tot Ion: 98 Resp: 871221
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 61.359 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066942.D
Acq: 29 Sep 2020 16:47

Tgt Ion: 95 Resp: 330336
Ion Ratio Lower Upper
95 100
174 80.9 0.0 159.8
176 78.2 0.0 154.4

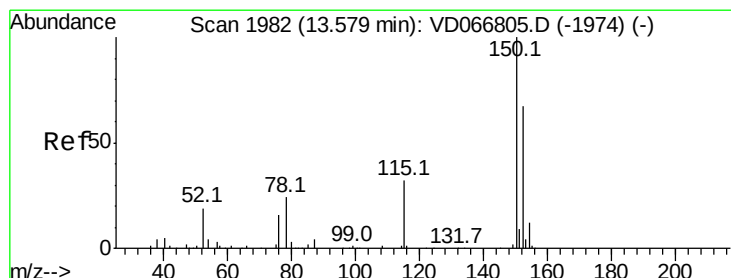
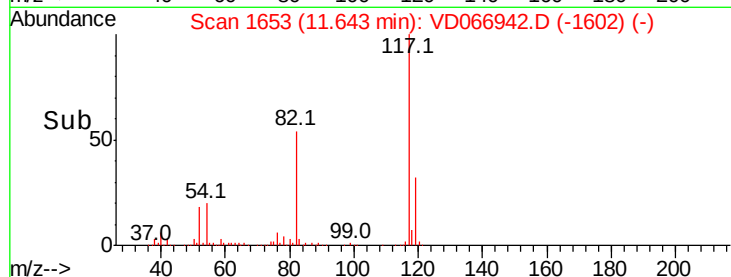
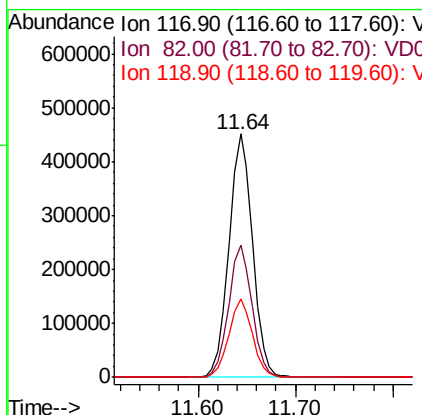
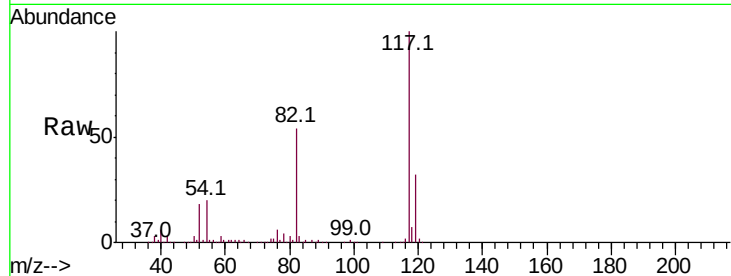




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066942.D
Acq: 29 Sep 2020 16:47

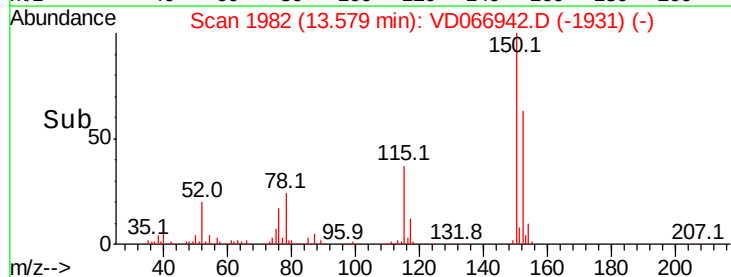
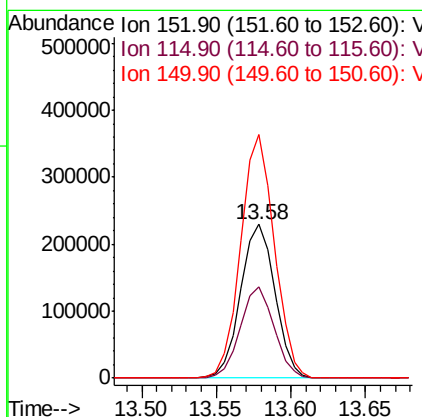
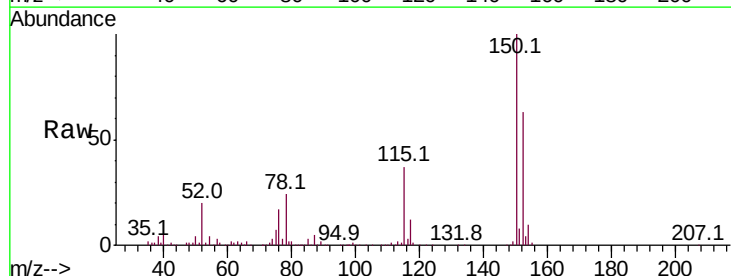
Instrument :
MSVOA_D
ClientSampleId :
B-8(9-11)

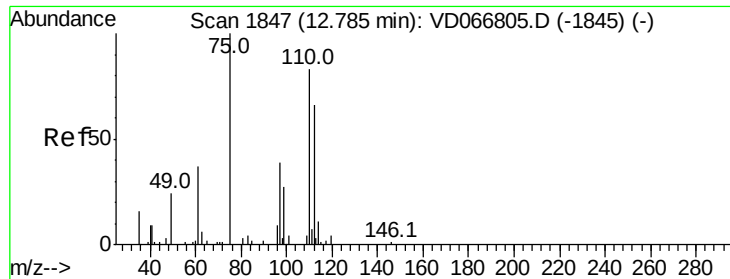
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	41.8	62.6
119	32.2	24.6	37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066942.D
Acq: 29 Sep 2020 16:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.3	91.0
150	154.9	0.0	346.2





#76

1,2,3-Trichloropropane

Concen: 55.655 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066942.D

Acq: 29 Sep 2020 16:47

Instrument :

MSVOA_D

ClientSampleId :

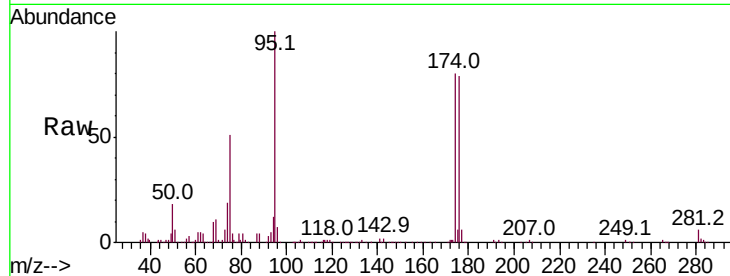
B-8(9-11)

Tot Ion: 75 Resp: 169325

Ion Ratio Lower Upper

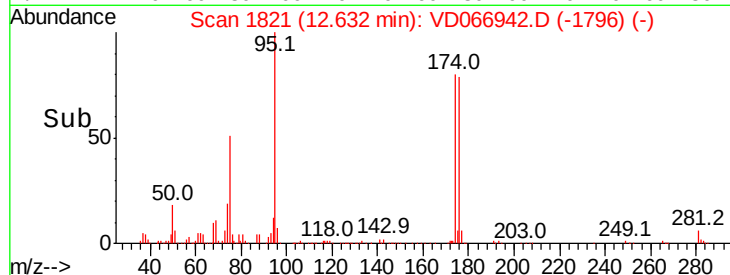
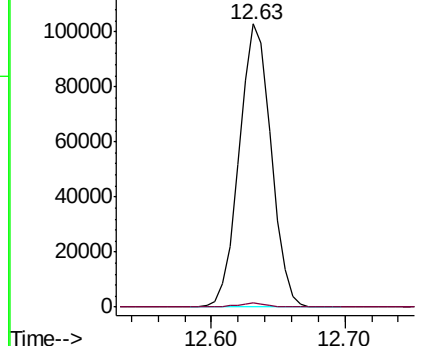
75 100

77 1.4 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: 139.244 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066942.D

Acq: 29 Sep 2020 16:47

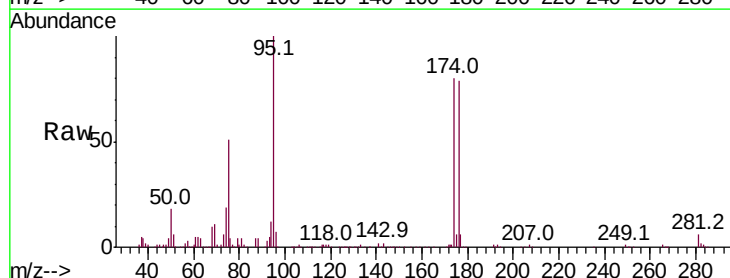
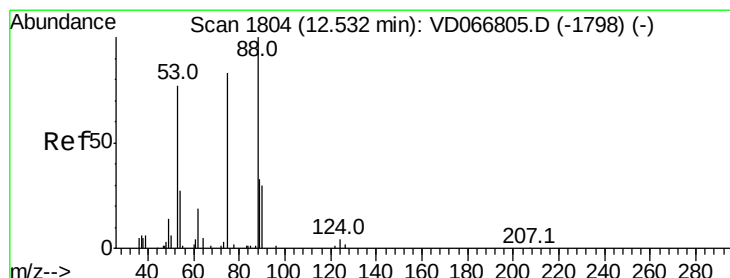
Tgt Ion: 75 Resp: 169325

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

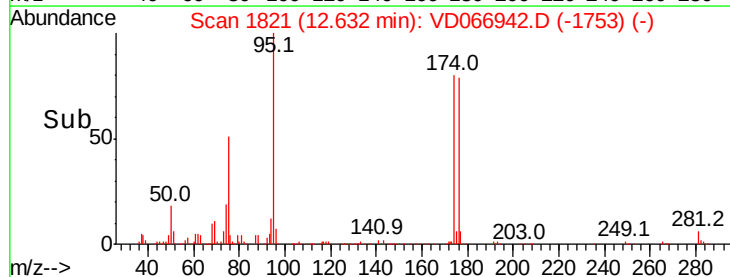
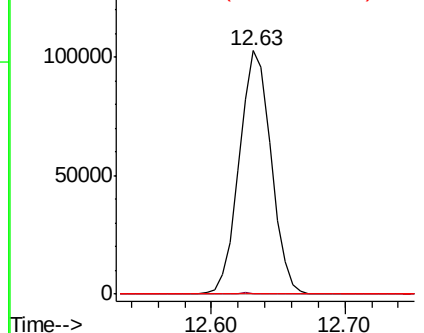
89 0.0 38.1 57.1#

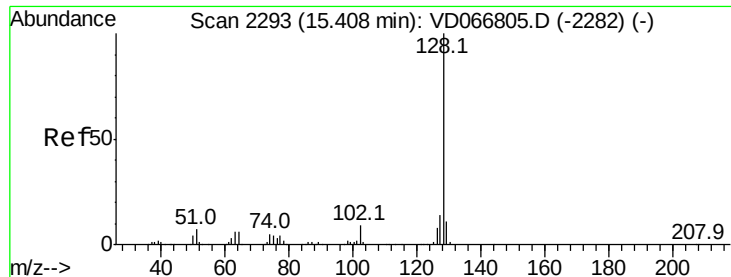


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

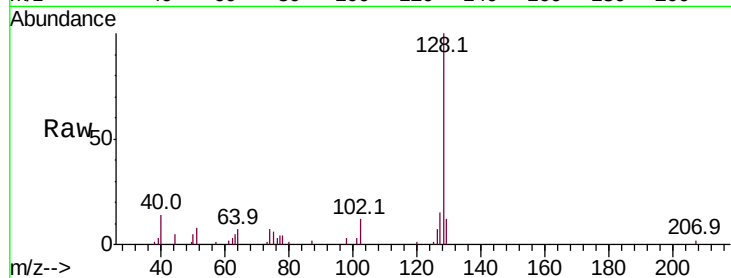




#95
 Naphthalene
 Concen: 3.158 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VD066942.D
 Acq: 29 Sep 2020 16:47

Instrument :
 MSVOA_D
 ClientSampleId :
 B-8(9-11)

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.6	16.0
129	12.9	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

