

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066956.D
 Acq On : 30 Sep 2020 00:32
 Operator : VA/SY
 Sample : L4179-03
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-9(12-14)

Quant Time: Sep 30 04:23:22 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	421374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	708129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	733208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	353829	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	197787	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
35) Dibromofluoromethane	7.91	113	220803	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.34	98	852634	55.55	ug/l	0.00
Spiked Amount			Recovery	=	111.10%	
62) 4-Bromofluorobenzene	12.63	95	319877	60.87	ug/l	0.00
Spiked Amount			Recovery	=	121.74%	

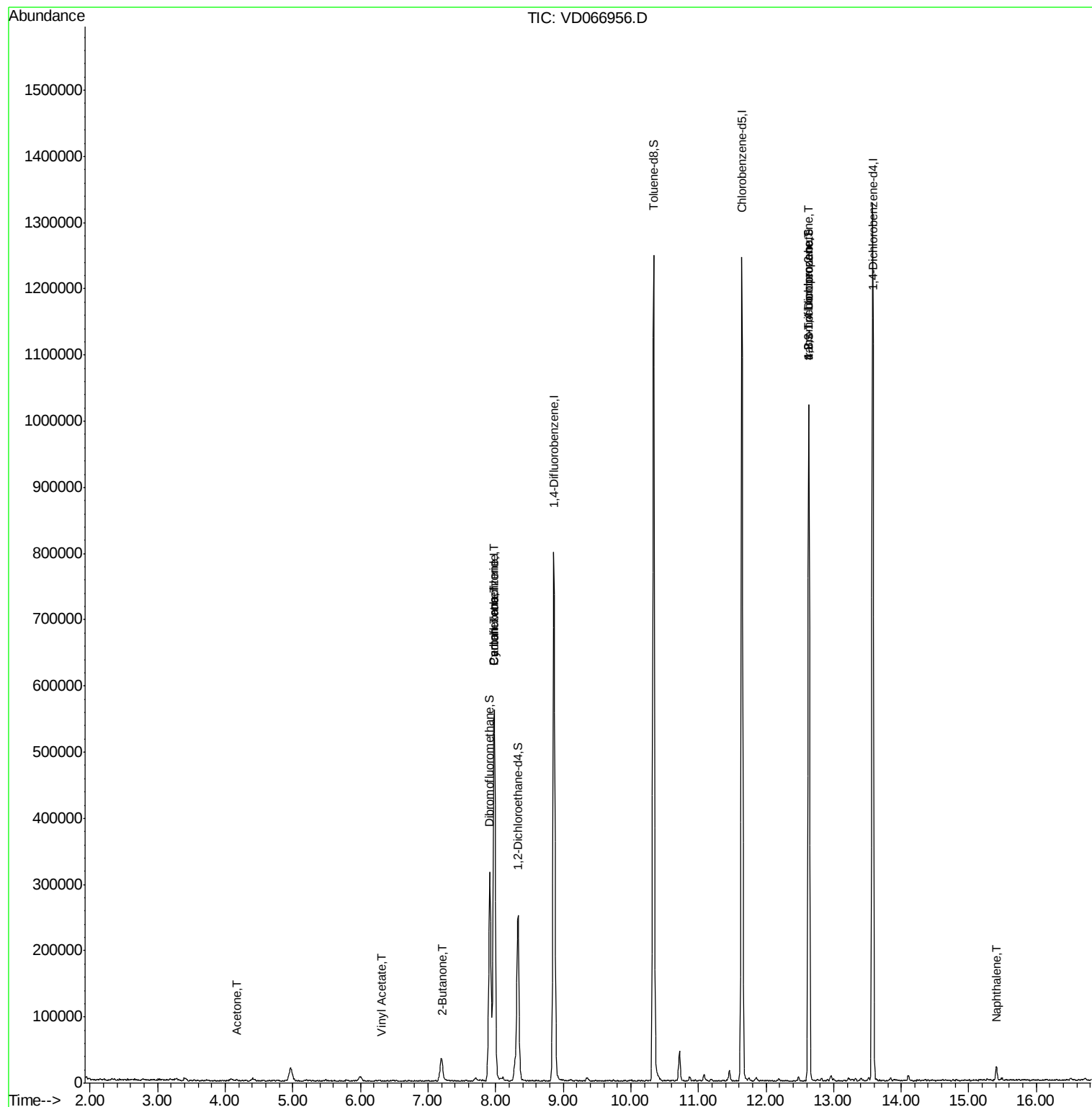
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1348	Below Cal		83
11) Tert butyl alcohol	5.25	59	72	Below Cal	#	72
16) Acetone	4.17	43	1990	2.275	ug/l #	86
18) Methyl Acetate	4.74	43	58	Below Cal	#	50
20) Methylene Chloride	4.96	84	15545	Below Cal		89
23) Vinyl Acetate	6.31	43	57	2.680	ug/l #	71
25) 2-Butanone	7.21	43	2236	2.127	ug/l #	46
31) Cyclohexane	7.97	56	11169	1.489	ug/l #	20
38) Carbon Tetrachloride	7.98	117	43470	5.660	ug/l #	14
76) 1,2,3-Trichloropropane	12.63	75	162782	55.514	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	162782	138.892	ug/l #	10
95) Naphthalene	15.41	128	18327	1.697	ug/l	98

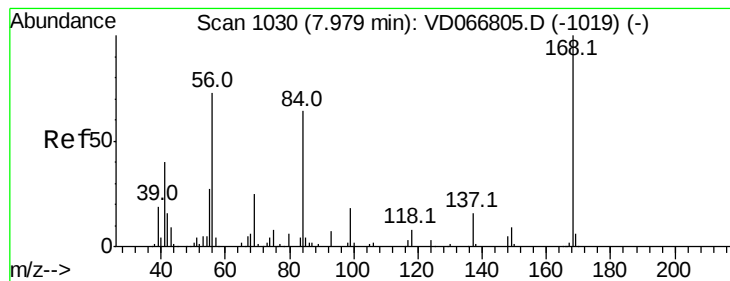
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
Data File : VD066956.D
Acq On : 30 Sep 2020 00:32
Operator : VA/SY
Sample : L4179-03
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-9(12-14)

Quant Time: Sep 30 04:23:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 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: VD066956.D

Acq: 30 Sep 2020 00:32

Instrument :

MSVOA_D

ClientSampleId :

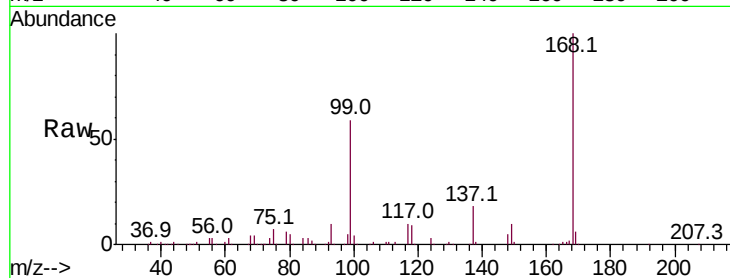
B-9(12-14)

Tot Ion:168 Resp: 421374

Ion Ratio Lower Upper

168 100

99 58.3 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

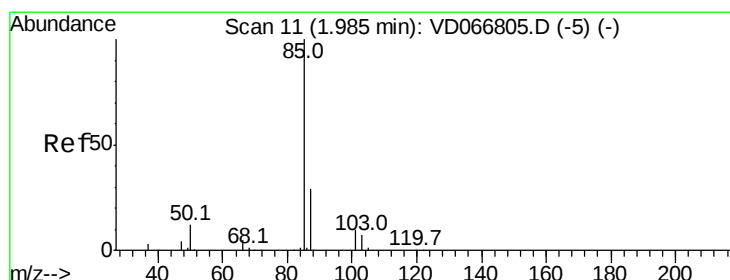
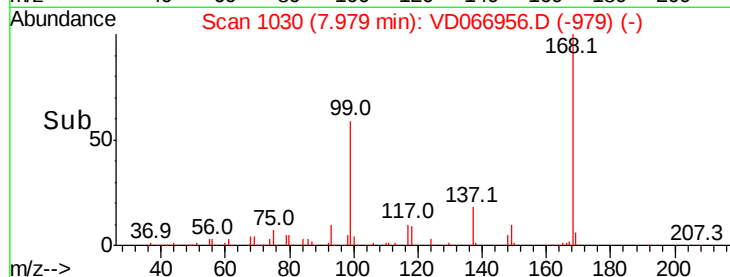
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066956.D

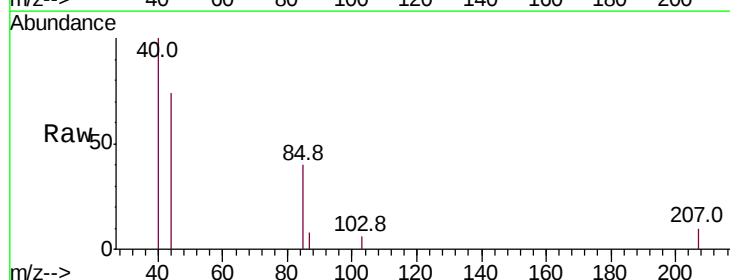
Acq: 30 Sep 2020 00:32

Tgt Ion: 85 Resp: 1348

Ion Ratio Lower Upper

85 100

87 19.9 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

1200

1000

800

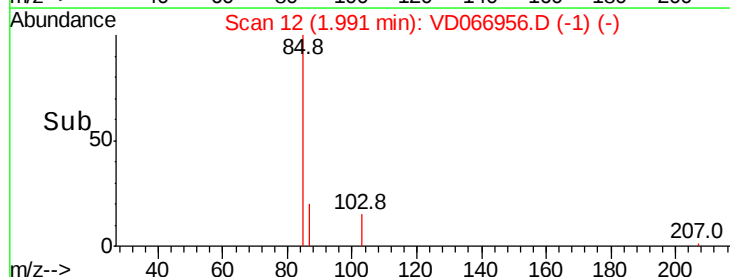
600

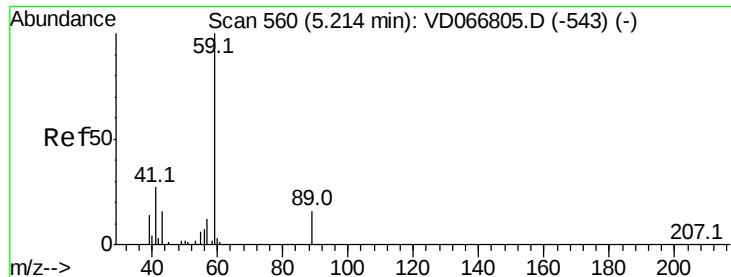
400

200

0

Time-->



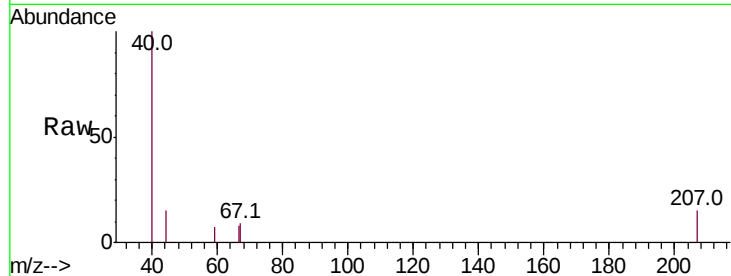


#11

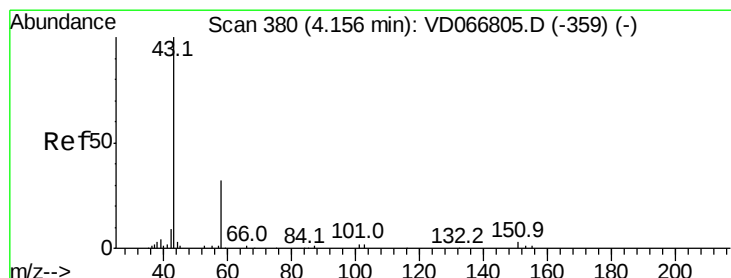
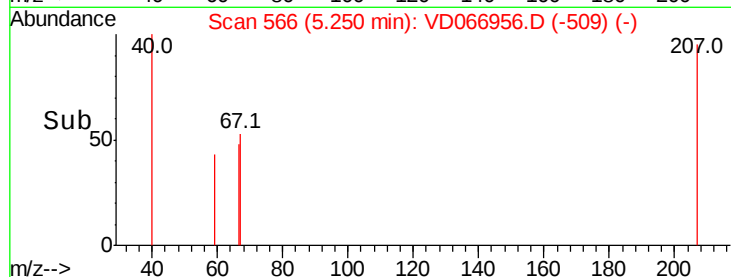
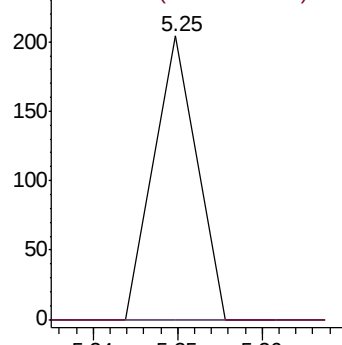
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.25 min Scan# 566
 Delta R.T. 0.04 min
 Lab File: VD066956.D
 Acq: 30 Sep 2020 00:32

Instrument :
 MSVOA_D
 ClientSampleId :
 B-9(12-14)

Tot Ion: 59 Resp: 72
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



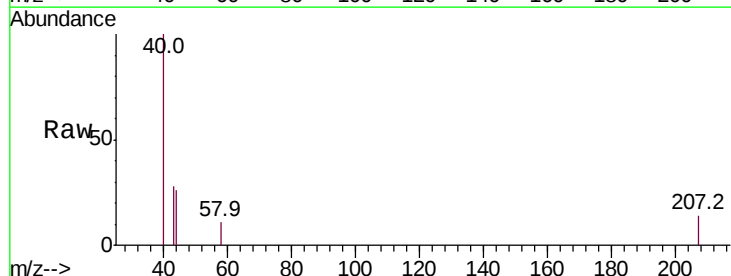
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



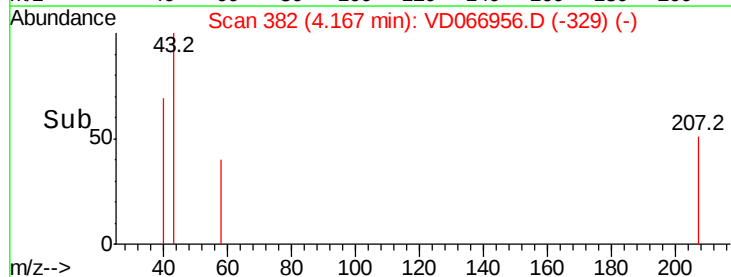
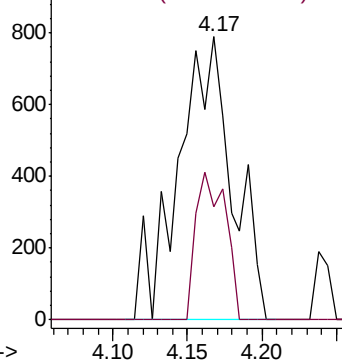
#16

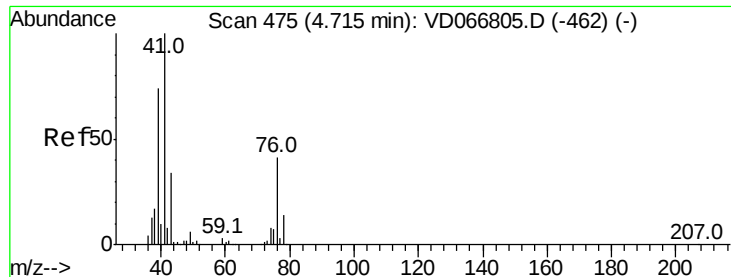
Acetone
 Concen: 2.275 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066956.D
 Acq: 30 Sep 2020 00:32

Tgt Ion: 43 Resp: 1990
 Ion Ratio Lower Upper
 43 100
 58 39.8 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

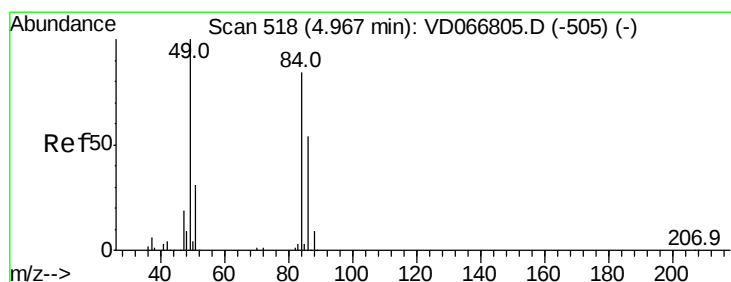
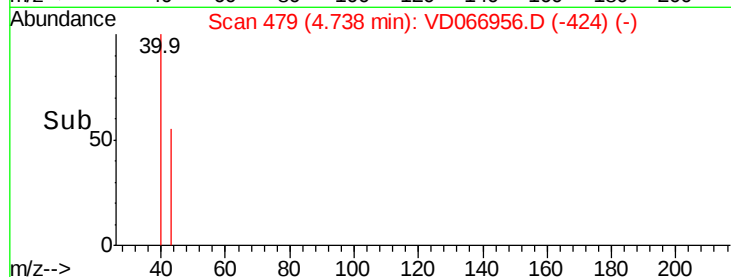
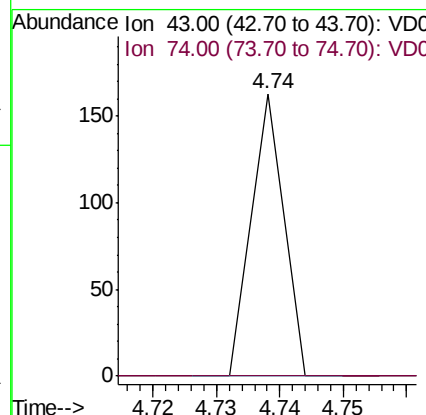
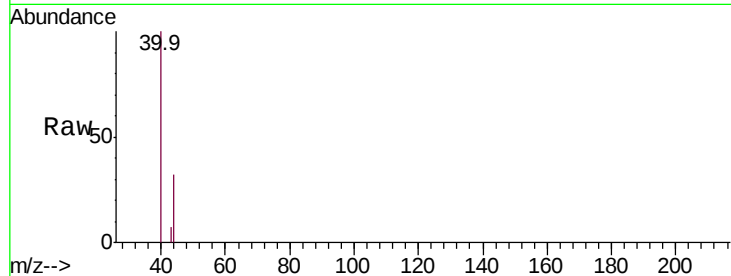




#18
Methyl Acetate
Concen: Below Cal
RT: 4.74 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD066956.D
Acq: 30 Sep 2020 00:32

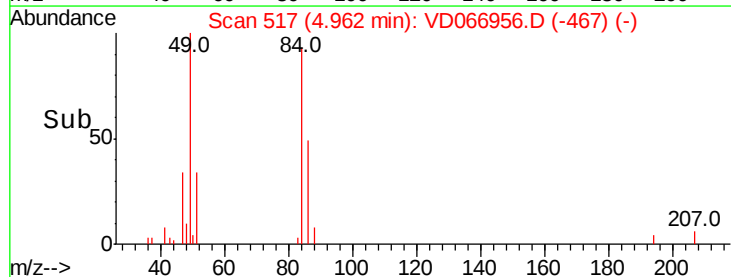
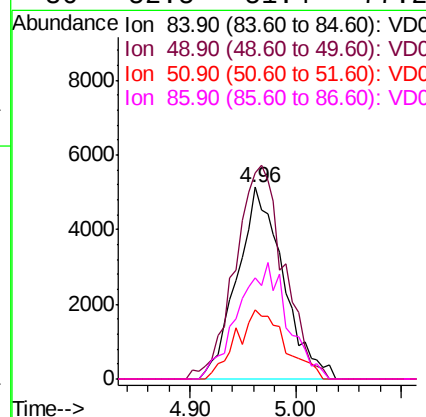
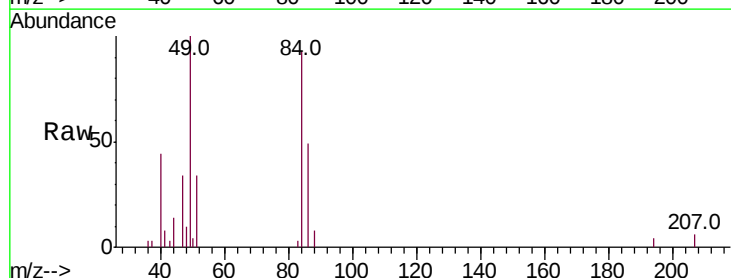
Instrument :
MSVOA_D
ClientSampleId :
B-9(12-14)

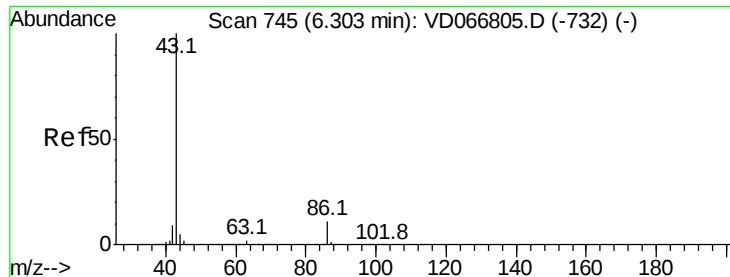
Tot Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066956.D
Acq: 30 Sep 2020 00:32

Tgt Ion: 84 Resp: 15545
Ion Ratio Lower Upper
84 100
49 107.1 95.4 143.2
51 36.1 29.7 44.5
86 52.5 51.4 77.2





#23

Vinyl Acetate

Concen: 2.680 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD066956.D

Acq: 30 Sep 2020 00:32

Instrument :

MSVOA_D

ClientSampleId :

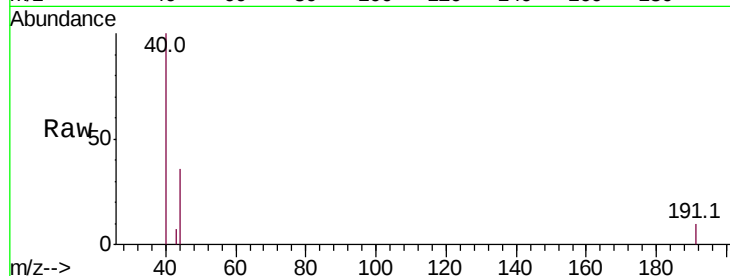
B-9(12-14)

Tot Ion: 43 Resp: 57

Ion Ratio Lower Upper

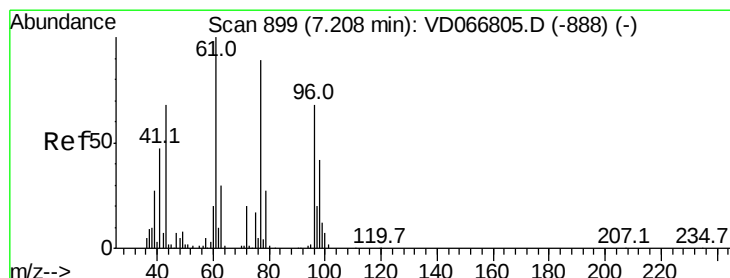
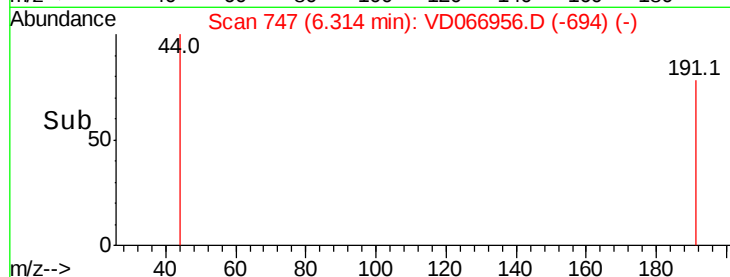
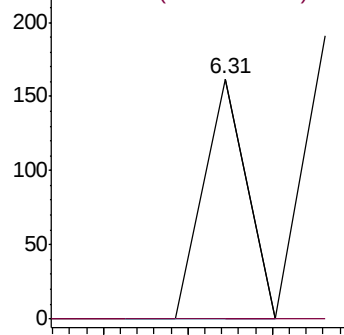
43 100

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



#25

2-Butanone

Concen: 2.127 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066956.D

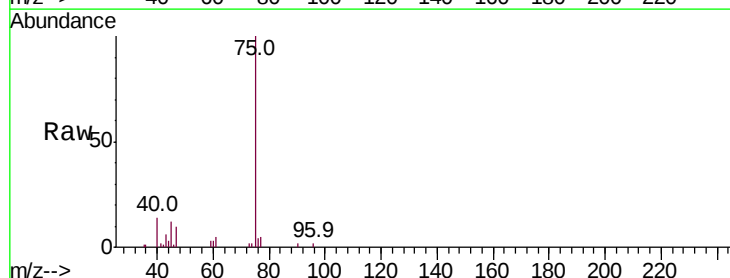
Acq: 30 Sep 2020 00:32

Tgt Ion: 43 Resp: 2236

Ion Ratio Lower Upper

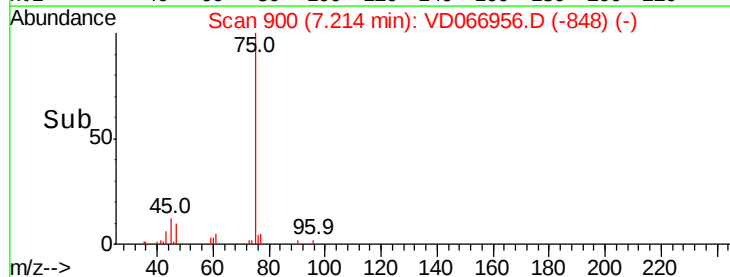
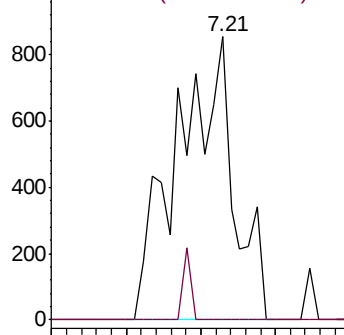
43 100

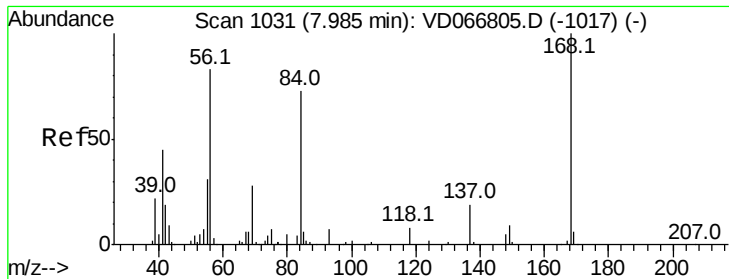
72 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

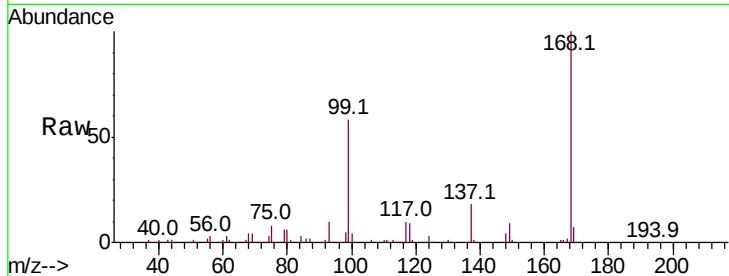




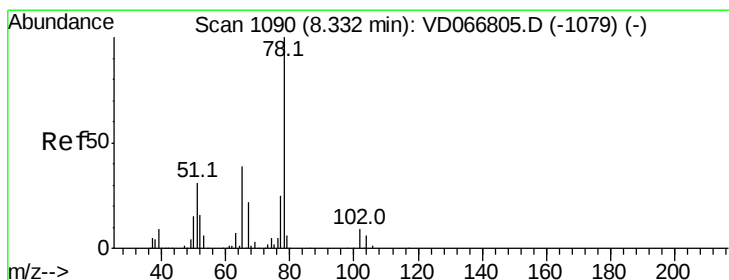
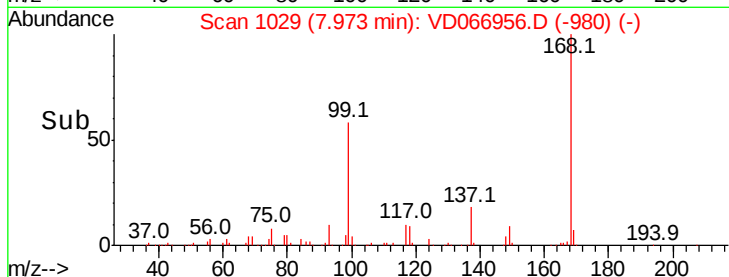
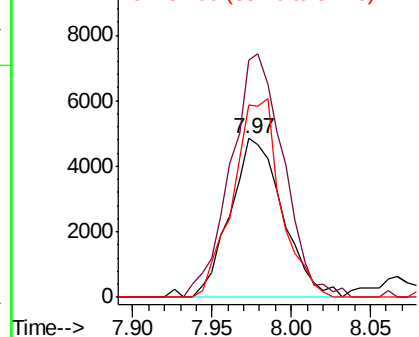
#31
Cyclohexane
Concen: 1.489 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066956.D
Acq: 30 Sep 2020 00:32

Instrument :
MSVOA_D
ClientSampleId :
B-9(12-14)

Tot Ion: 56 Resp: 11169
Ion Ratio Lower Upper
56 100
69 143.8 27.0 40.4#
84 121.6 70.2 105.4#

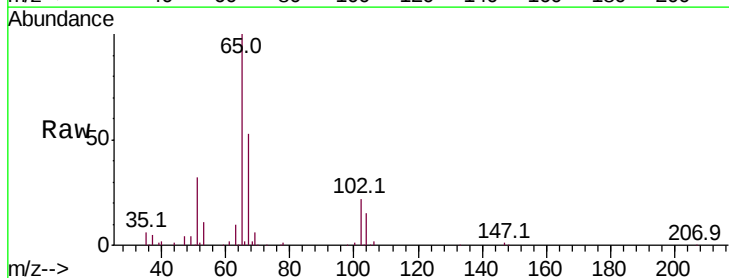


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

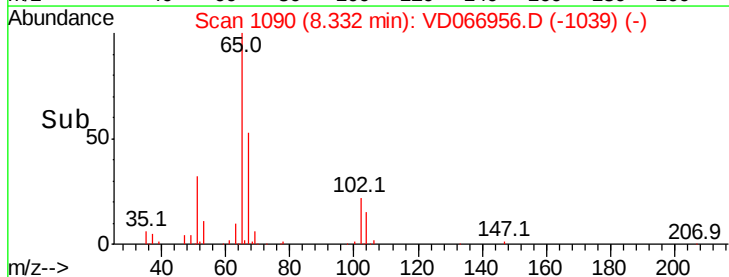
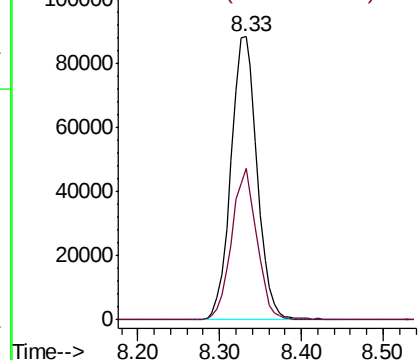


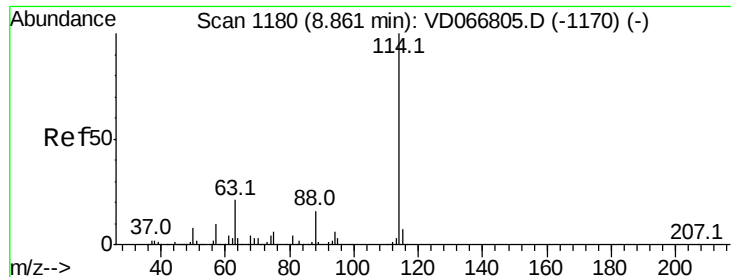
#33
1,2-Dichloroethane-d4
Concen: 47.957 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD066956.D
Acq: 30 Sep 2020 00:32

Tgt Ion: 65 Resp: 197787
Ion Ratio Lower Upper
65 100
67 51.3 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: VD066956.D

Acq: 30 Sep 2020 00:32

Instrument :

MSVOA_D

ClientSampleId :

B-9(12-14)

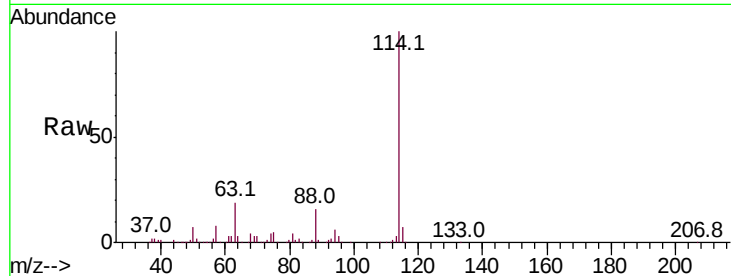
Tot Ion:114 Resp: 708129

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.6

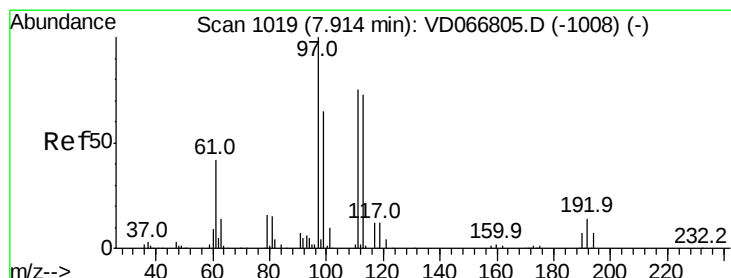
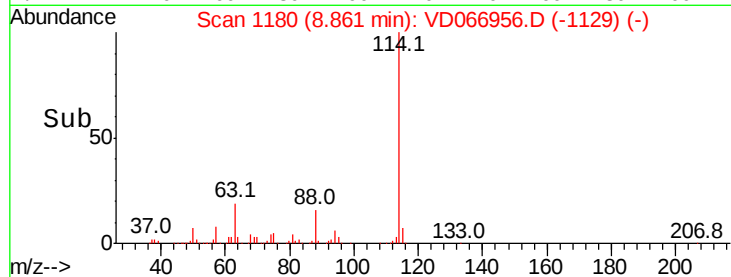
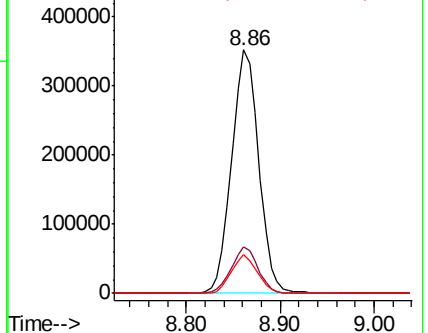
88 15.7 0.0 32.6



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: 49.012 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066956.D

Acq: 30 Sep 2020 00:32

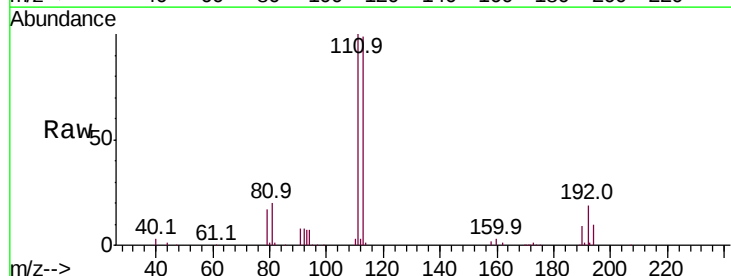
Tgt Ion:113 Resp: 220803

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

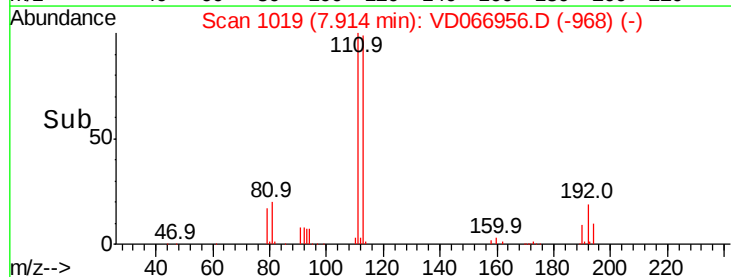
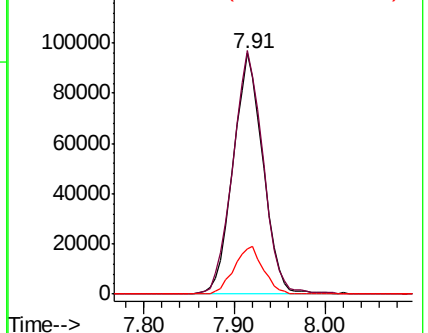
192 19.4 14.4 21.6

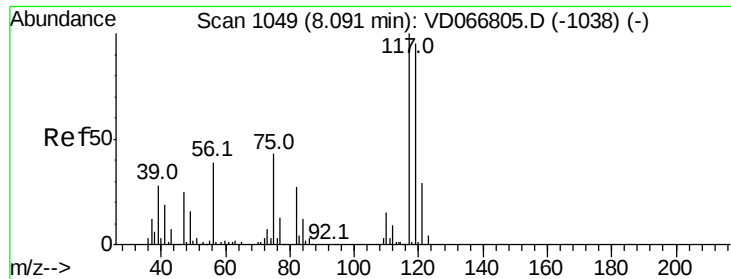


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

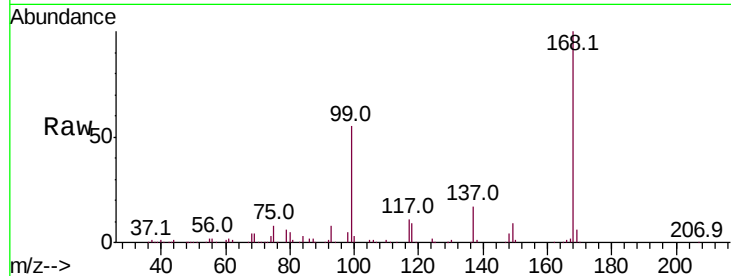




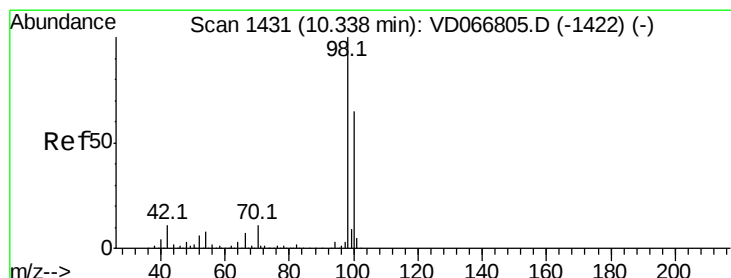
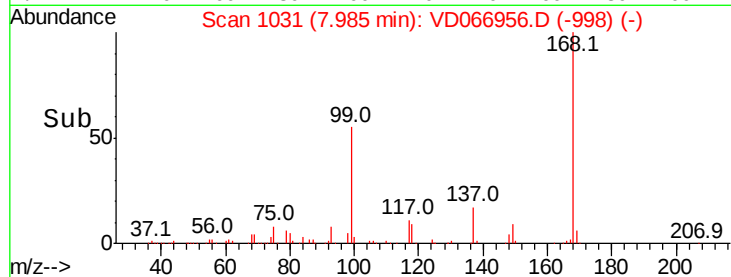
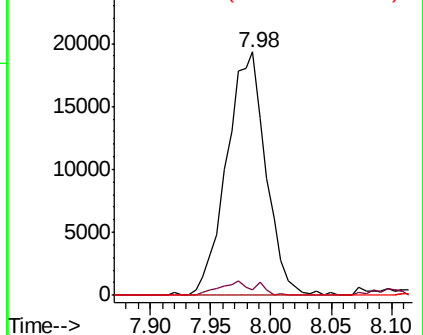
#38
Carbon Tetrachloride
Concen: 5.660 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD066956.D
Acq: 30 Sep 2020 00:32

Instrument :
MSVOA_D
ClientSampleId :
B-9(12-14)

Tot Ion:117 Resp: 43470
Ion Ratio Lower Upper
117 100
119 2.4 75.8 113.8#
121 0.0 23.4 35.0#

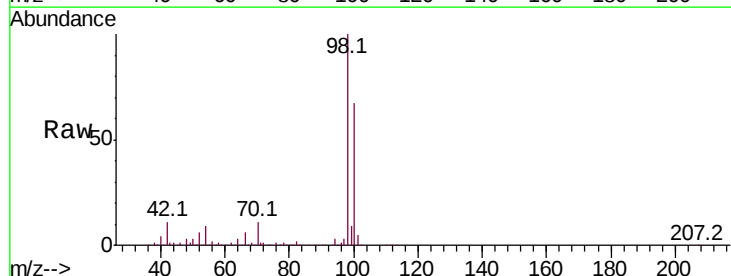


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

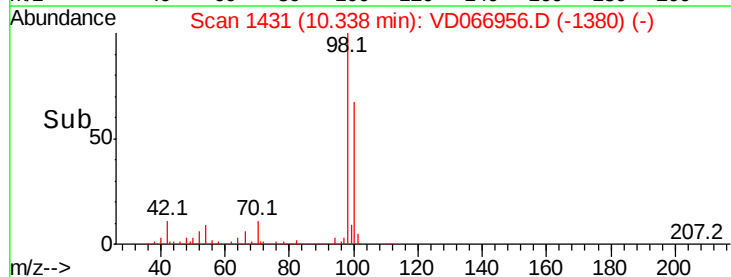
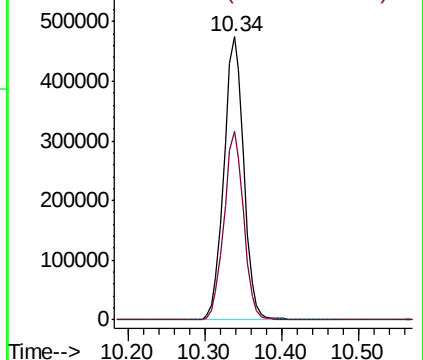


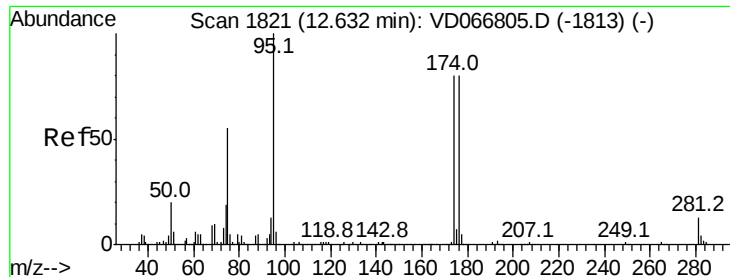
#50
Toluene-d8
Concen: 55.547 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066956.D
Acq: 30 Sep 2020 00:32

Tgt Ion: 98 Resp: 852634
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

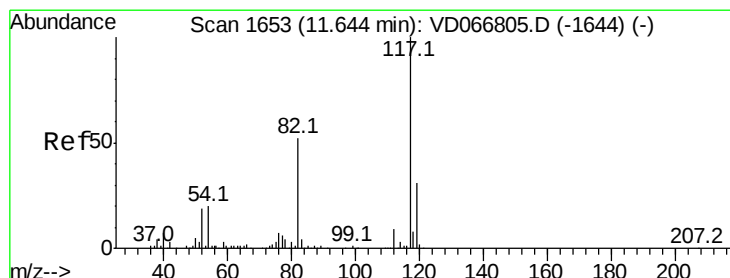
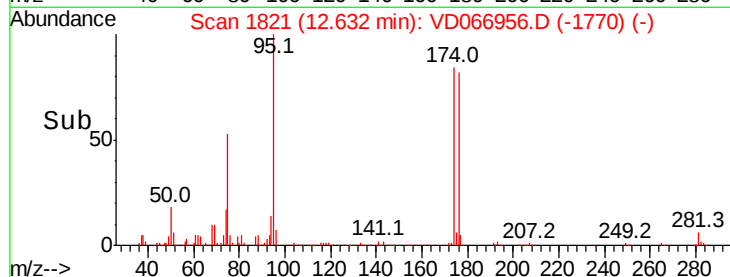
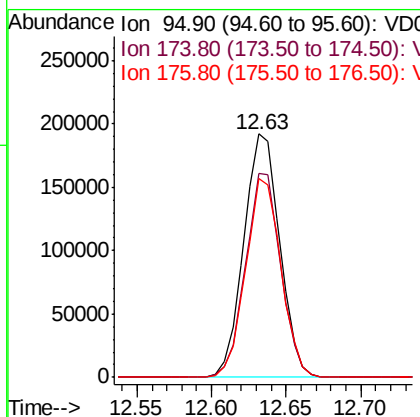
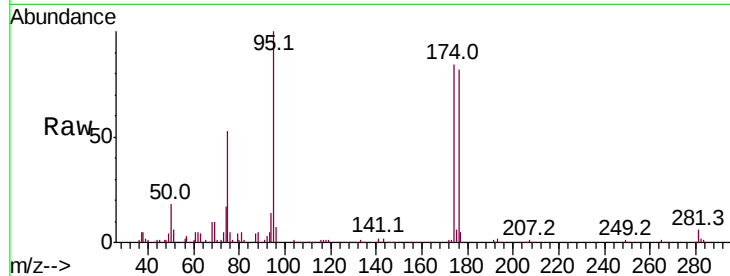




#62
4-Bromofluorobenzene
Concen: 60.874 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066956.D
Acq: 30 Sep 2020 00:32

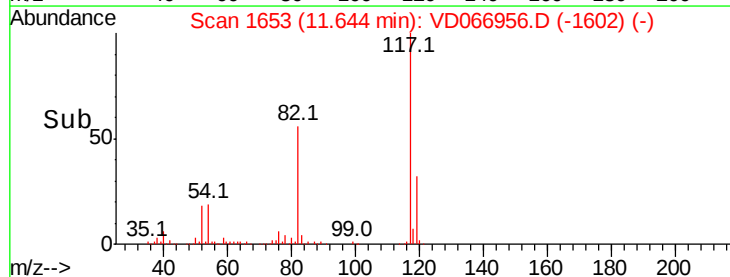
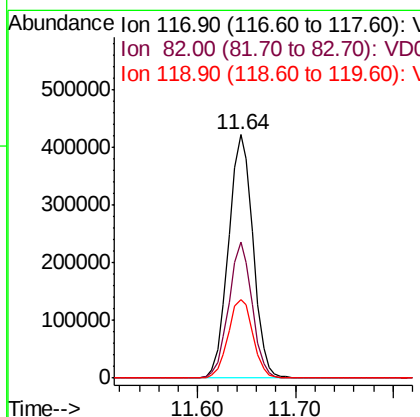
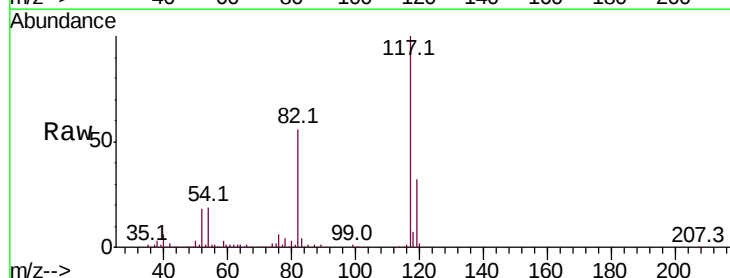
Instrument :
MSVOA_D
ClientSampleId :
B-9(12-14)

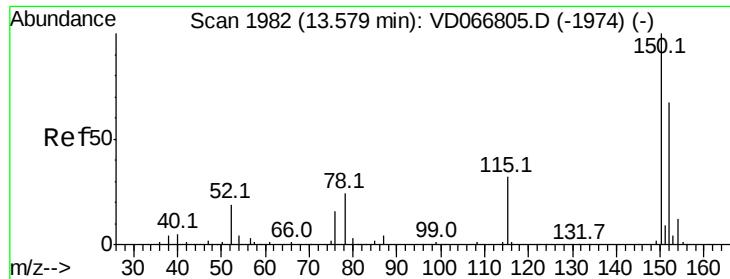
Tot Ion: 95 Resp: 319877
Ion Ratio Lower Upper
95 100
174 82.3 0.0 159.8
176 80.0 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066956.D
Acq: 30 Sep 2020 00:32

Tgt Ion: 117 Resp: 733208
Ion Ratio Lower Upper
117 100
82 56.1 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: VD066956.D

Acq: 30 Sep 2020 00:32

Instrument :

MSVOA_D

ClientSampleId :

B-9(12-14)

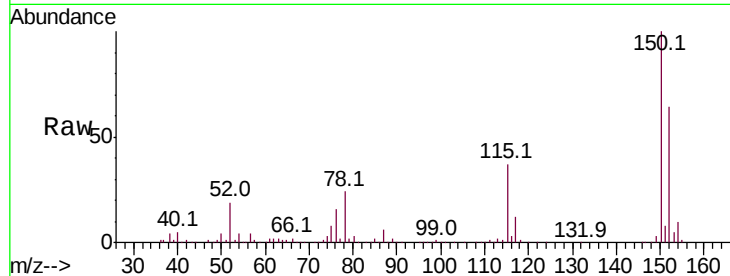
Tot Ion:152 Resp: 353829

Ion Ratio Lower Upper

152 100

115 58.7 30.3 91.0

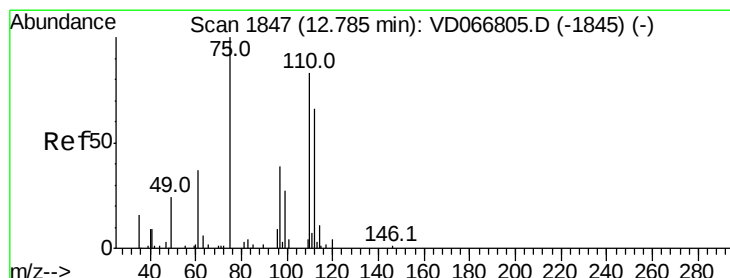
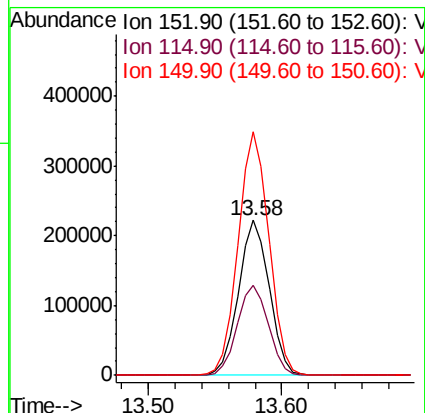
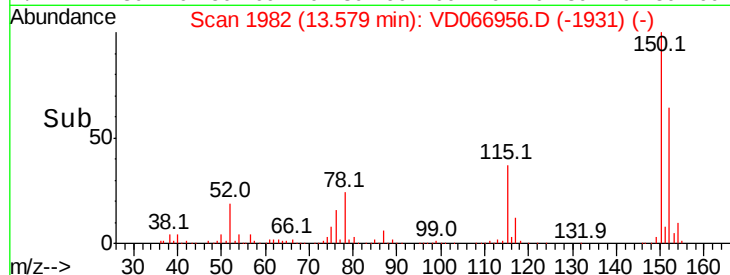
150 157.1 0.0 346.2



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: 55.514 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066956.D

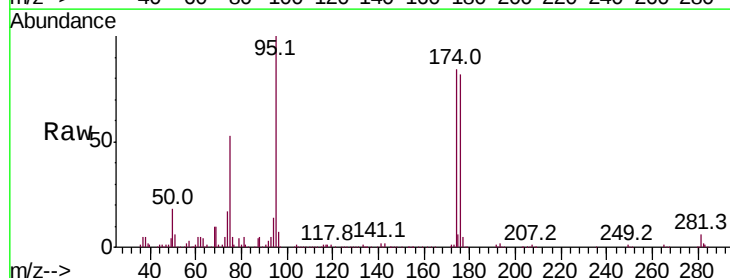
Acq: 30 Sep 2020 00:32

Tgt Ion: 75 Resp: 162782

Ion Ratio Lower Upper

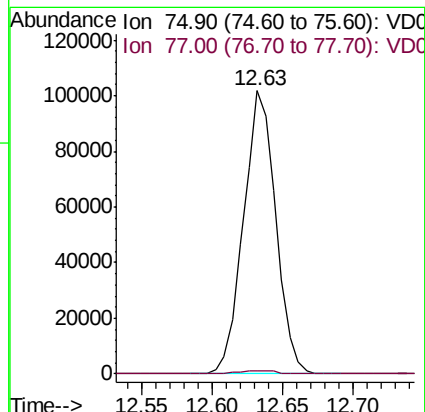
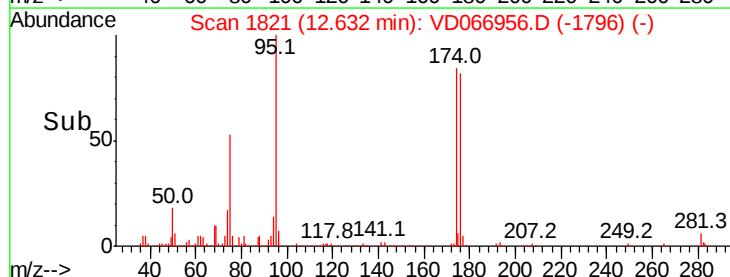
75 100

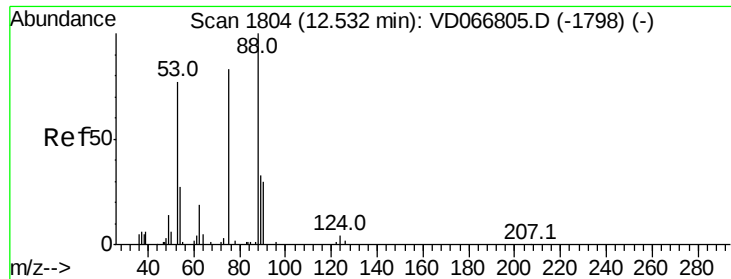
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 138.892 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066956.D

Acq: 30 Sep 2020 00:32

Instrument :

MSVOA_D

ClientSampleId :

B-9(12-14)

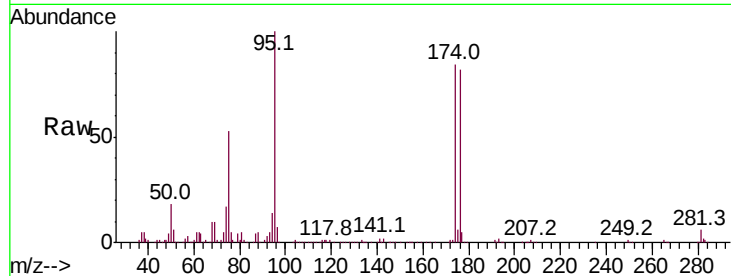
Tot Ion: 75 Resp: 162782

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

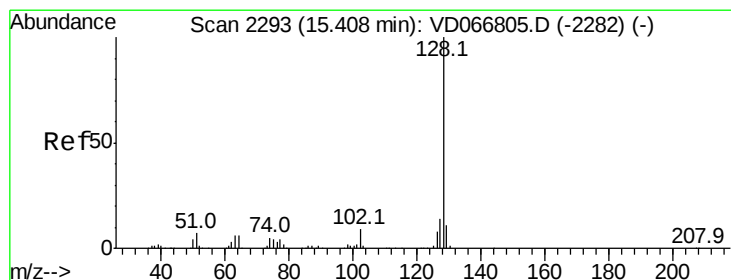
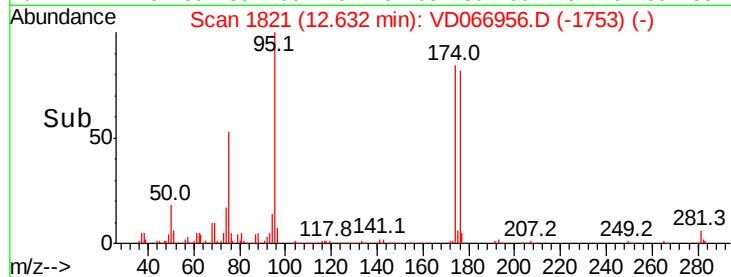
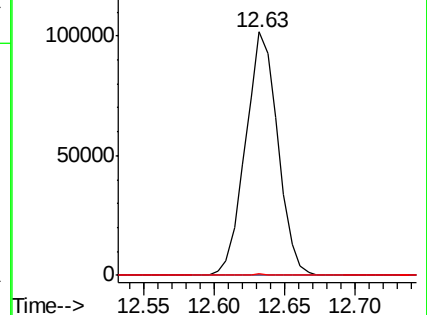
89 0.2 38.1 57.1#



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: 1.697 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066956.D

Acq: 30 Sep 2020 00:32

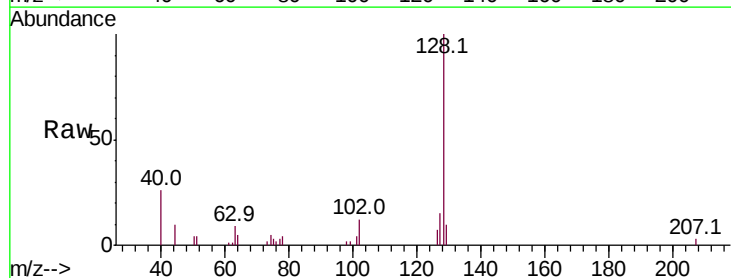
Tgt Ion: 128 Resp: 18327

Ion Ratio Lower Upper

128 100

127 13.8 10.6 16.0

129 10.4 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

