

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066962.D
 Acq On : 30 Sep 2020 03:18
 Operator : VA/SY
 Sample : L4179-12
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

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

Quant Time: Sep 30 04:24:34 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	424419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	728305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	753936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	351244	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	197131	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
35) Dibromofluoromethane	7.91	113	219732	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
50) Toluene-d8	10.34	98	869025	55.05	ug/l	0.00
Spiked Amount			Recovery	=	110.10%	
62) 4-Bromofluorobenzene	12.63	95	322939	59.75	ug/l	0.00
Spiked Amount			Recovery	=	119.50%	

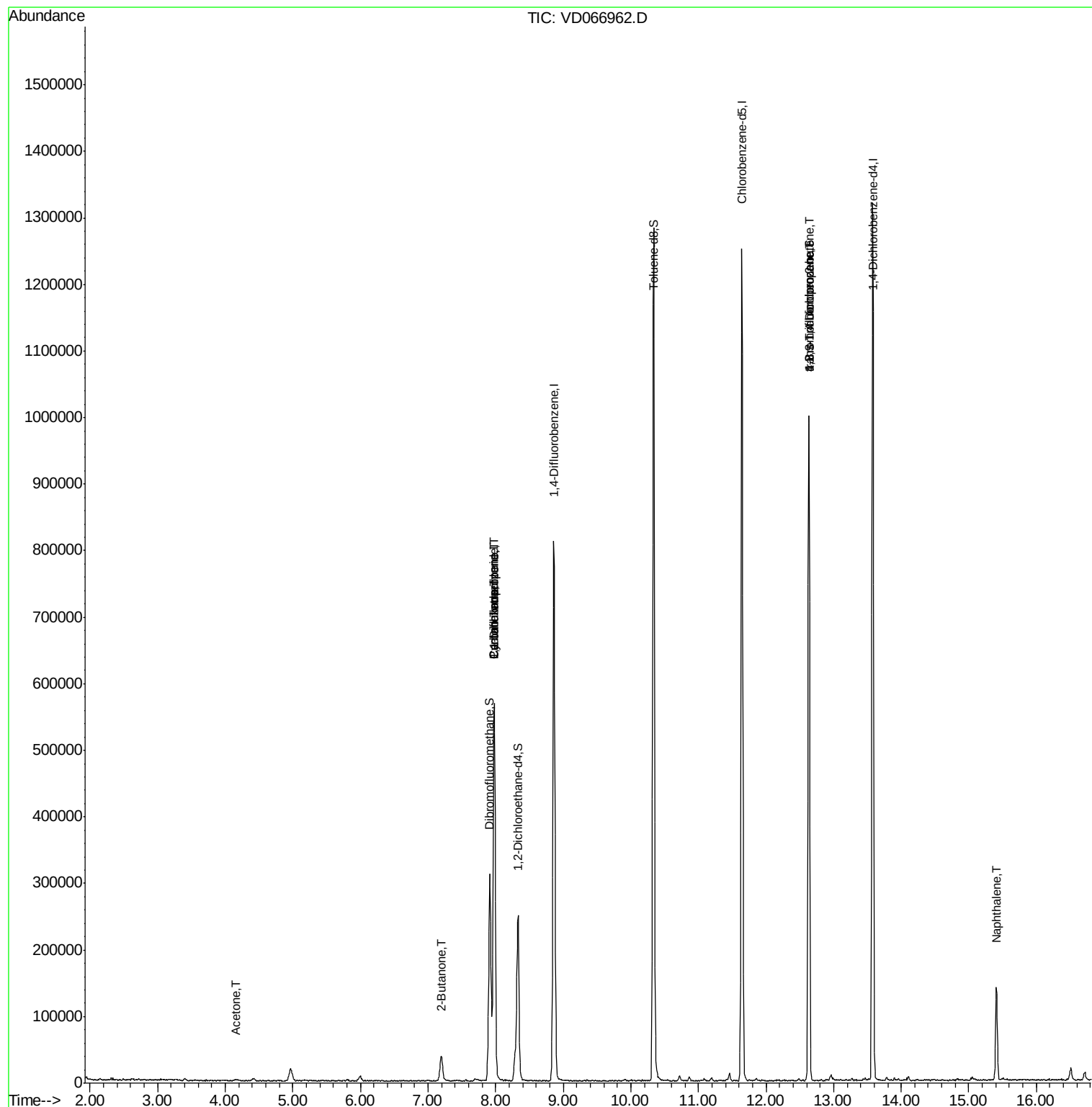
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	364	Below Cal	#	46
11) Tert butyl alcohol	5.21	59	343	Below Cal	#	72
16) Acetone	4.16	43	4609	5.230	ug/l #	79
18) Methyl Acetate	4.64	43	55	Below Cal	#	50
20) Methylene Chloride	4.97	84	14637	Below Cal	#	92
25) 2-Butanone	7.20	43	1738	1.641	ug/l #	46
31) Cyclohexane	7.97	56	9019	1.194	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	32333	4.475	ug/l #	46
38) Carbon Tetrachloride	7.98	117	44337	5.613	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	164616	56.553	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	164616	141.490	ug/l #	10
95) Naphthalene	15.41	128	124814	11.643	ug/l	99

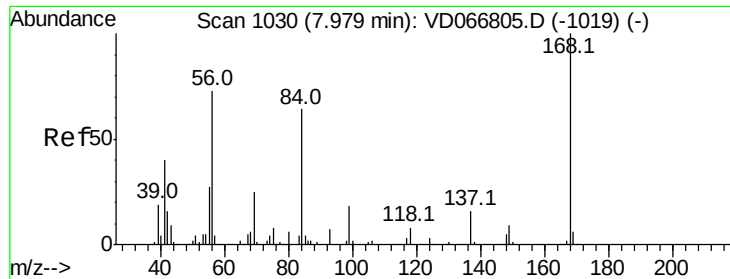
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
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Quant Title : SW846 8260
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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: VD066962.D

Acq: 30 Sep 2020 03:18

Instrument :

MSVOA_D

ClientSampleId :

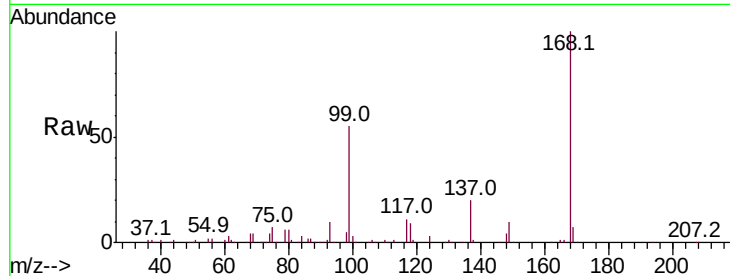
B-11(9-11)

Tot Ion:168 Resp: 424419

Ion Ratio Lower Upper

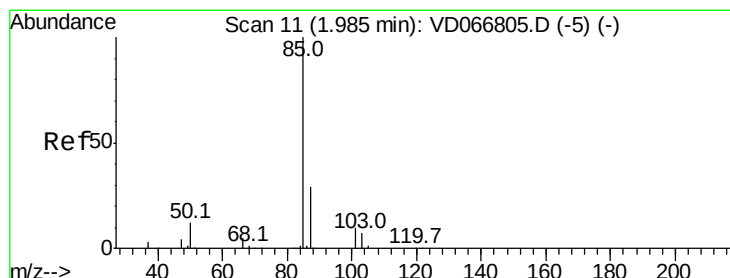
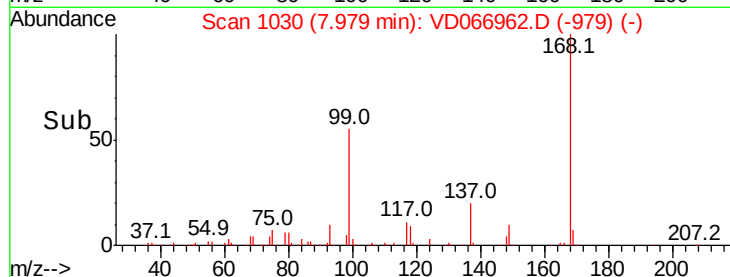
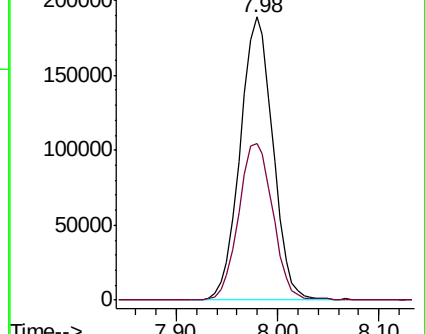
168 100

99 55.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066962.D

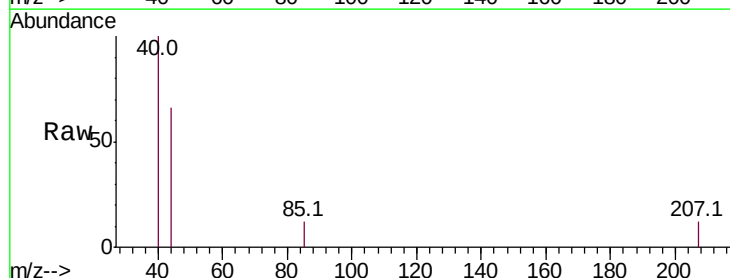
Acq: 30 Sep 2020 03:18

Tgt Ion: 85 Resp: 364

Ion Ratio Lower Upper

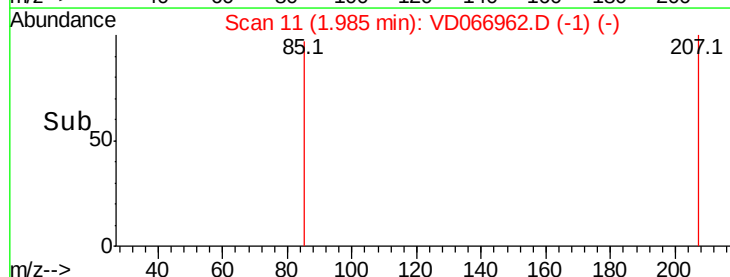
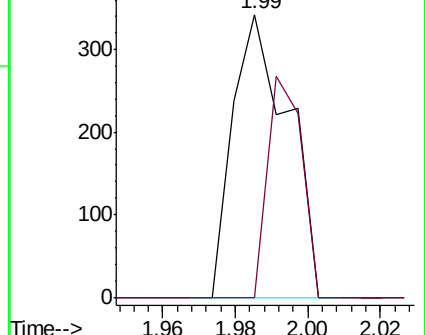
85 100

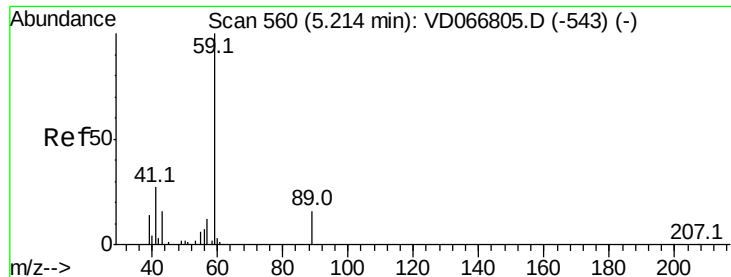
87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



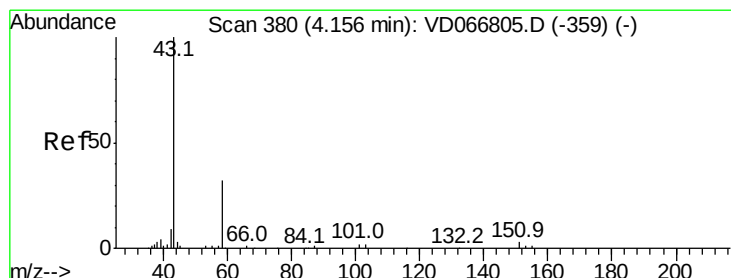
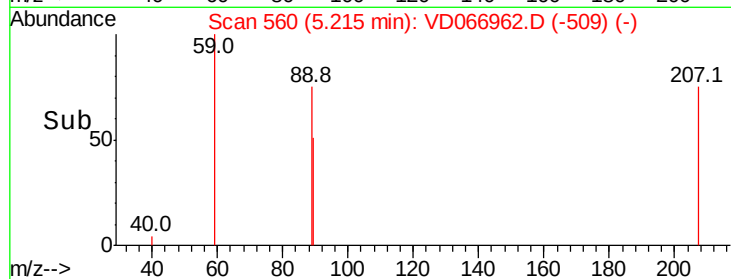
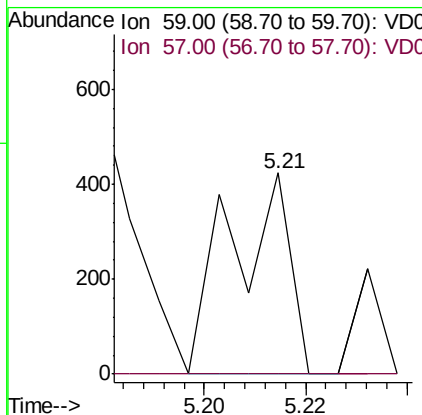
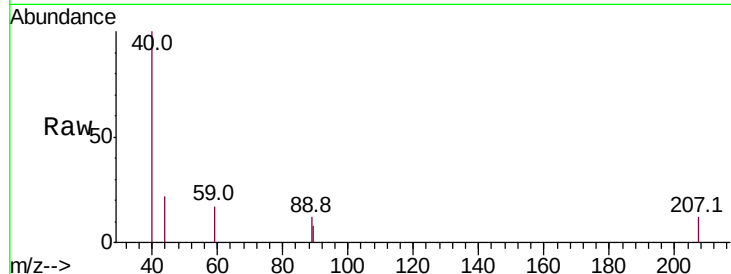


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD066962.D
 Acq: 30 Sep 2020 03:18

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

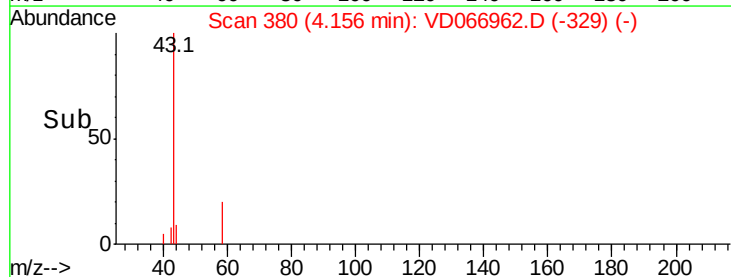
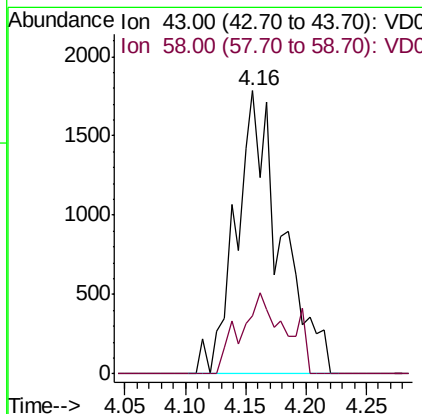
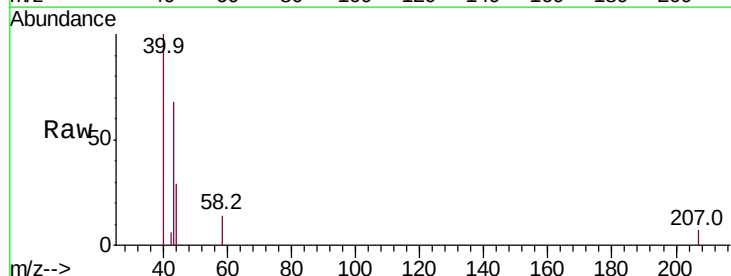
Tot Ion: 59 Resp: 343
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

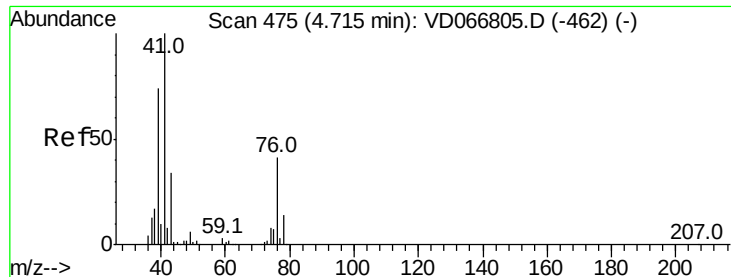


#16

Acetone
 Concen: 5.230 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD066962.D
 Acq: 30 Sep 2020 03:18

Tgt Ion: 43 Resp: 4609
 Ion Ratio Lower Upper
 43 100
 58 20.3 25.6 38.4#

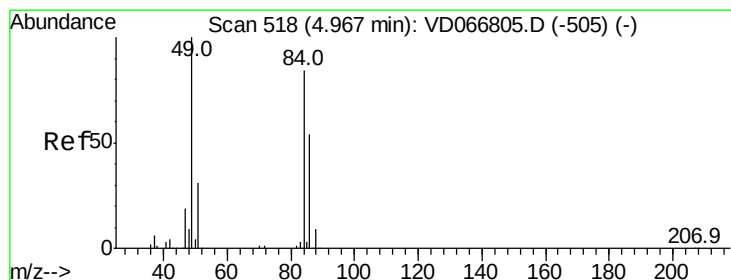
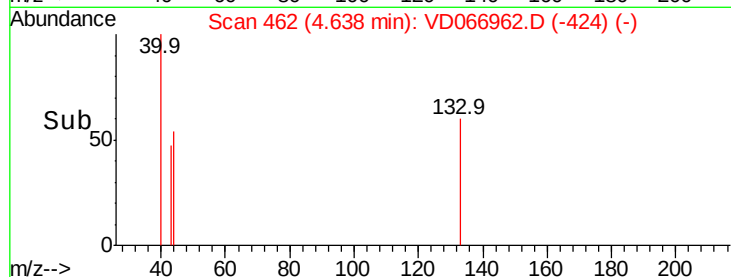
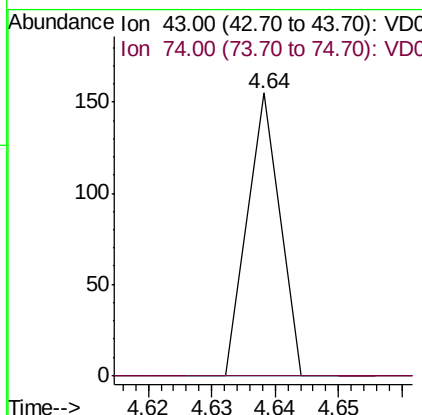
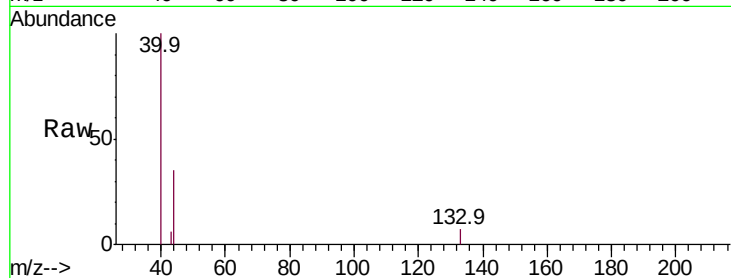




#18
Methyl Acetate
Concen: Below Cal
RT: 4.64 min Scan# 462
Delta R.T. -0.08 min
Lab File: VD066962.D
Acq: 30 Sep 2020 03:18

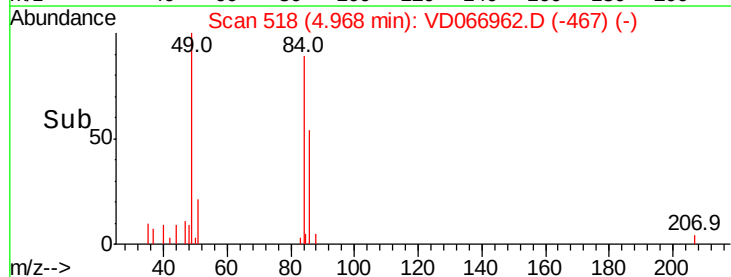
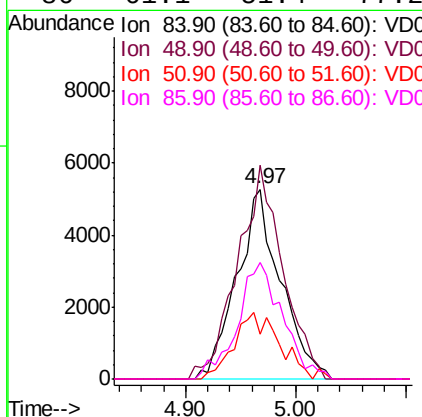
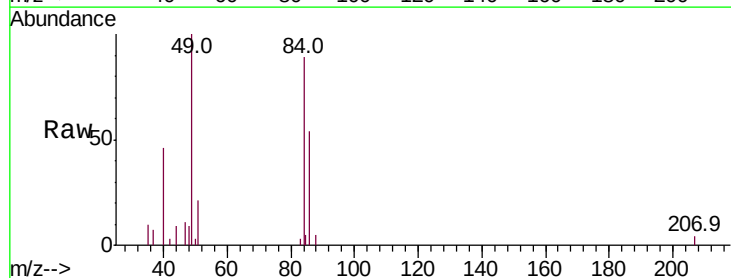
Instrument :
MSVOA_D
ClientSampleId :
B-11(9-11)

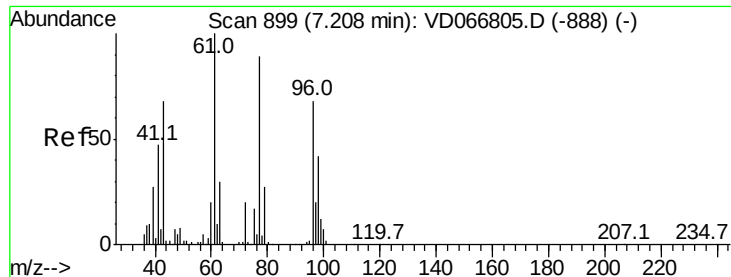
Tot Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066962.D
Acq: 30 Sep 2020 03:18

Tgt Ion: 84 Resp: 14637
Ion Ratio Lower Upper
84 100
49 112.7 95.4 143.2
51 23.4 29.7 44.5#
86 61.1 51.4 77.2





#25

2-Butanone

Concen: 1.641 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066962.D

Acq: 30 Sep 2020 03:18

Instrument :

MSVOA_D

ClientSampleId :

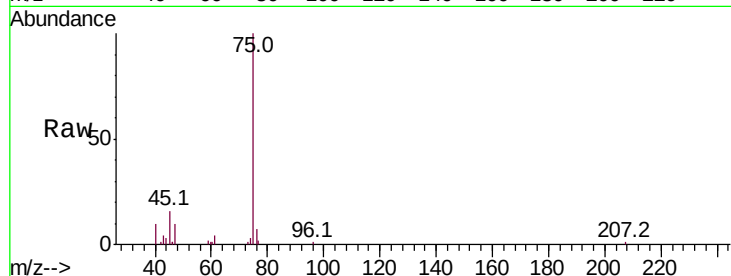
B-11(9-11)

Tot Ion: 43 Resp: 1738

Ion Ratio Lower Upper

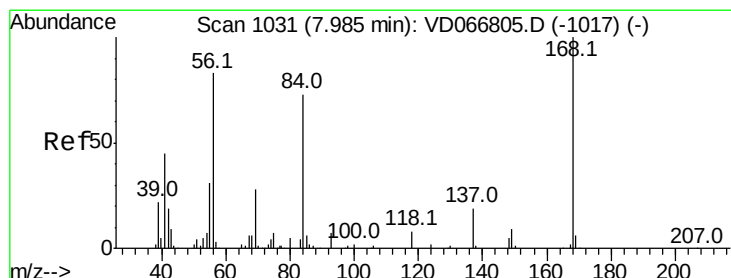
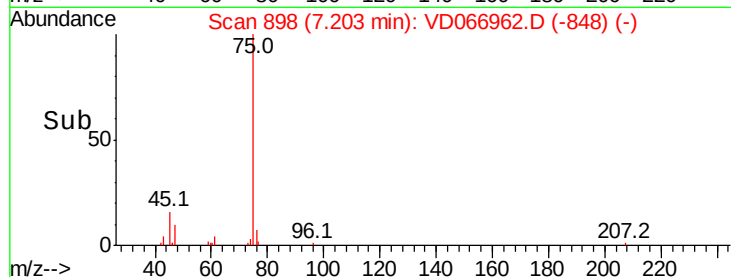
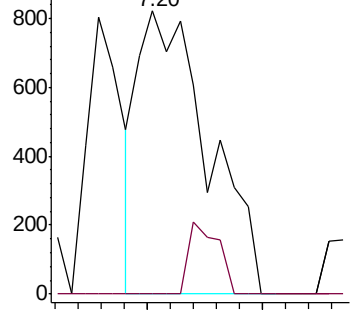
43 100

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: 1.194 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066962.D

Acq: 30 Sep 2020 03:18

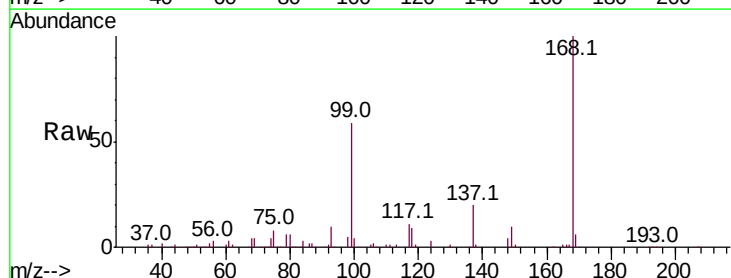
Tgt Ion: 56 Resp: 9019

Ion Ratio Lower Upper

56 100

69 150.4 27.0 40.4#

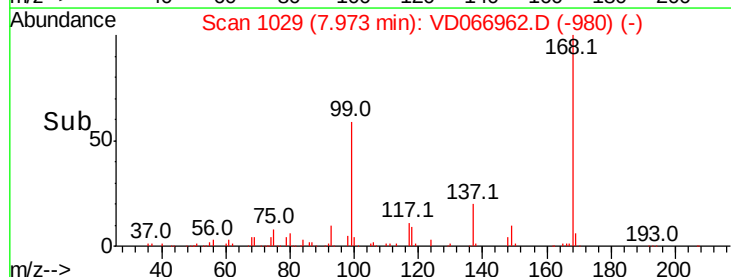
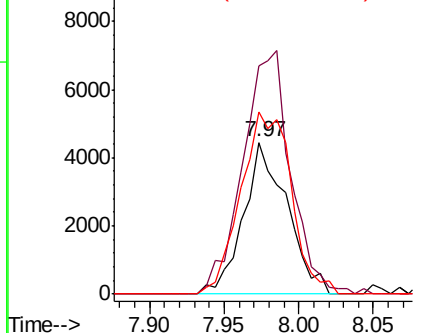
84 120.2 70.2 105.4#

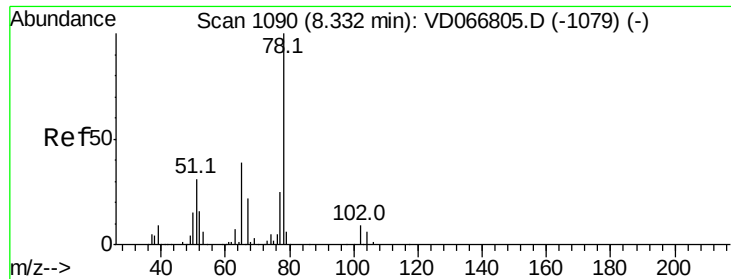


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

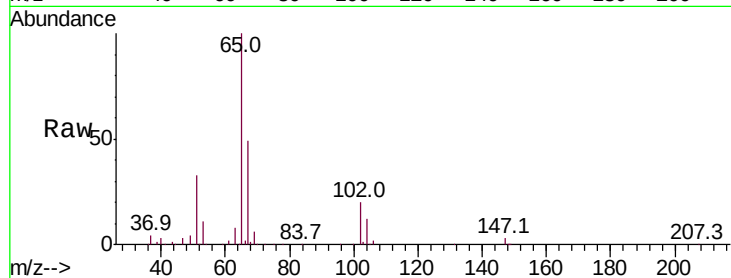




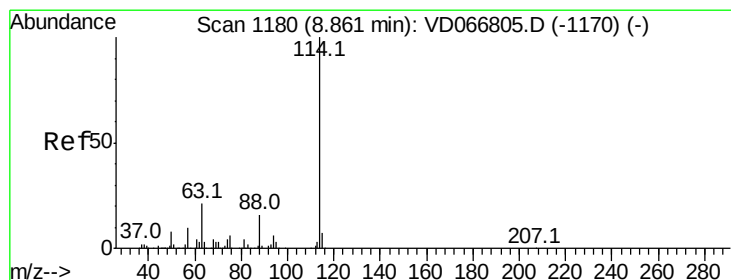
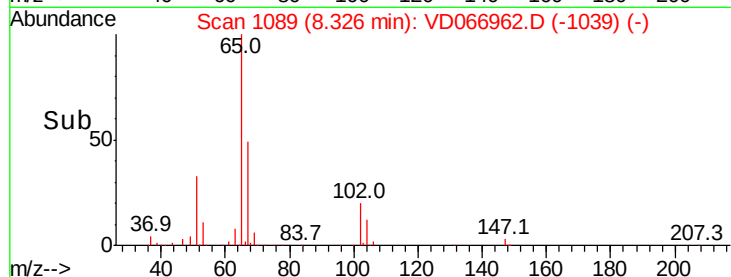
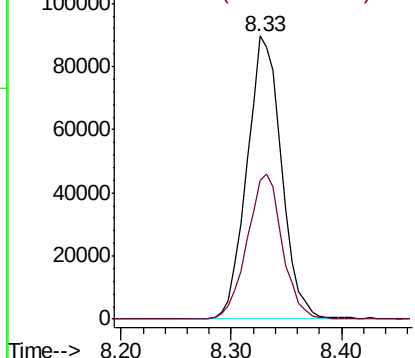
#33
 1,2-Dichloroethane-d4
 Concen: 47.455 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066962.D
 Acq: 30 Sep 2020 03:18

Instrument :
 MSVOA_D
 ClientSampleID :
 B-11(9-11)

Tot Ion: 65 Resp: 197131
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.2

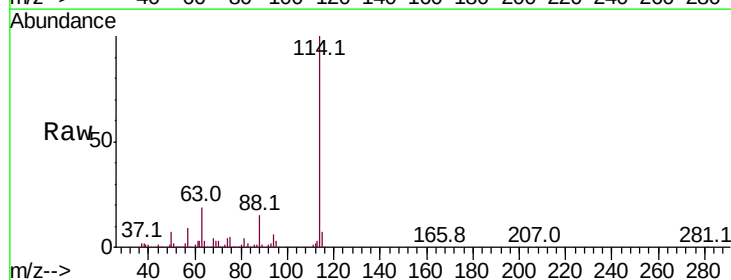


Abundance Ion 64.90 (64.60 to 65.60): VDC
 Ion 66.90 (66.60 to 67.60): VDC

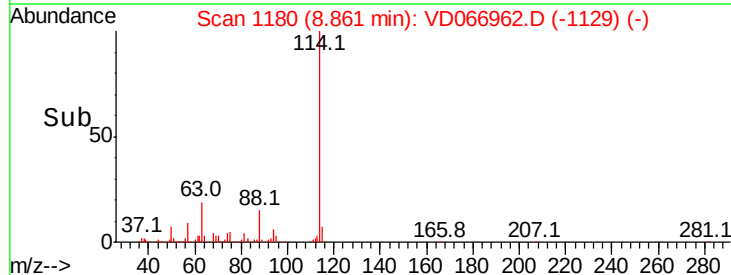
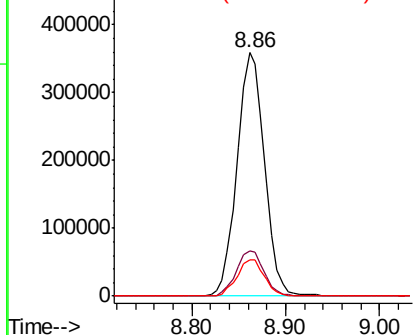


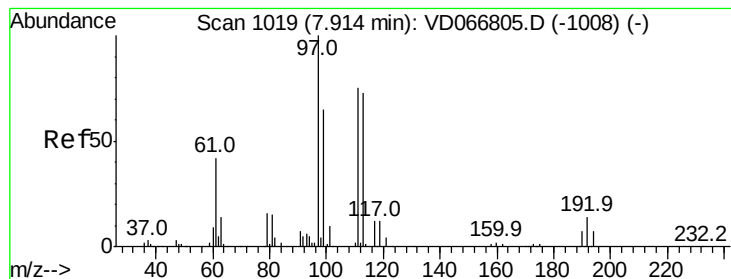
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066962.D
 Acq: 30 Sep 2020 03:18

Tgt Ion: 114 Resp: 728305
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 42.6
 88 15.0 0.0 32.6



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





#35

Dibromofluoromethane

Concen: 47.423 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066962.D

Acq: 30 Sep 2020 03:18

Instrument :

MSVOA_D

ClientSampleId :

B-11(9-11)

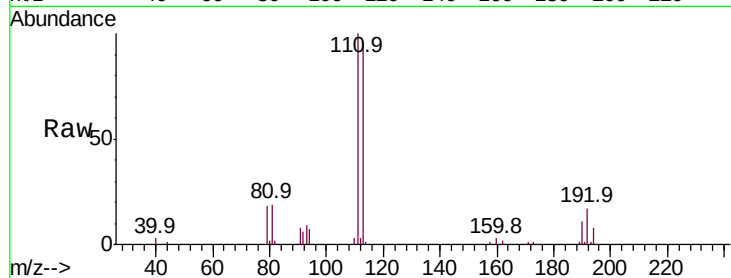
Tot Ion:113 Resp: 219732

Ion Ratio Lower Upper

113 100

111 104.7 81.8 122.8

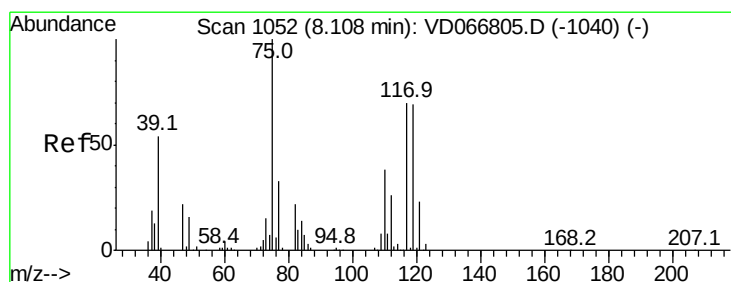
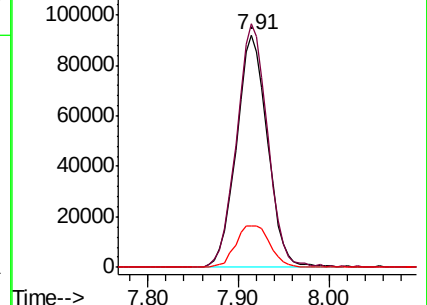
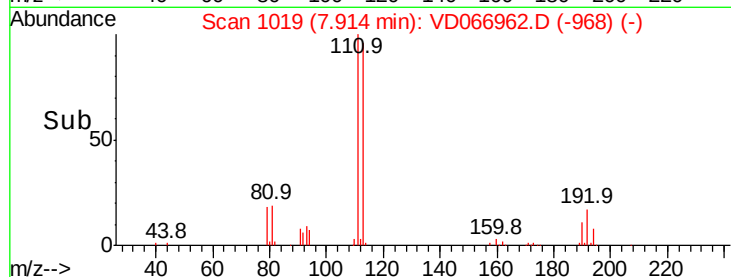
192 19.7 14.4 21.6



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: 4.475 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066962.D

Acq: 30 Sep 2020 03:18

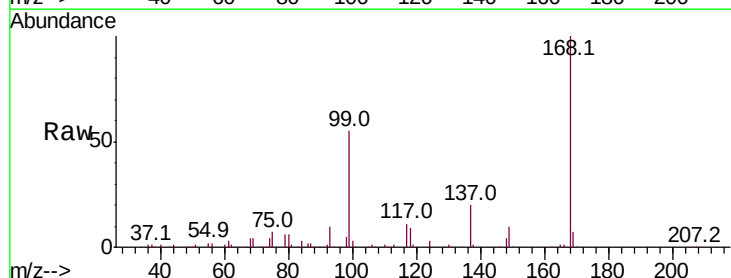
Tgt Ion: 75 Resp: 32333

Ion Ratio Lower Upper

75 100

110 4.9 17.9 53.8#

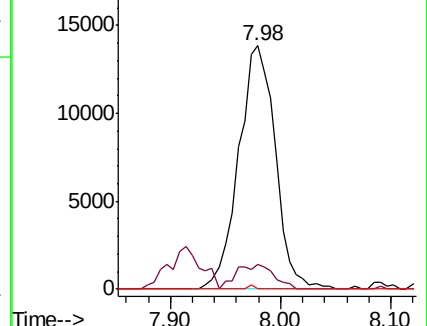
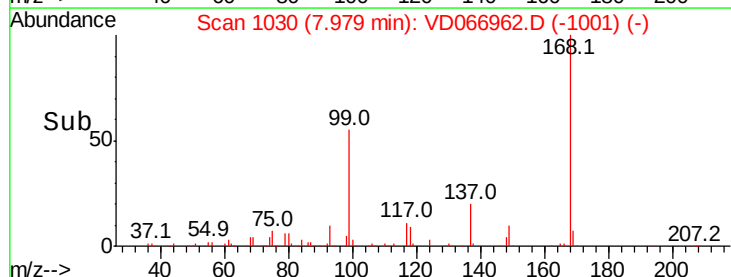
77 0.3 25.0 37.6#

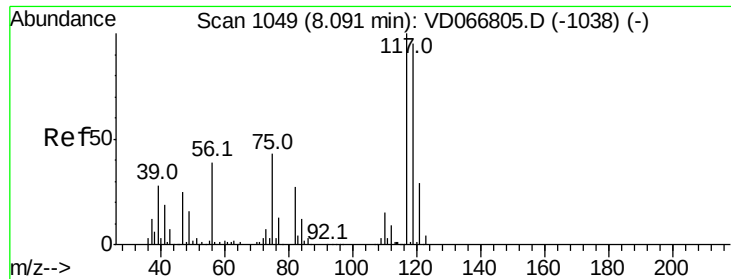


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

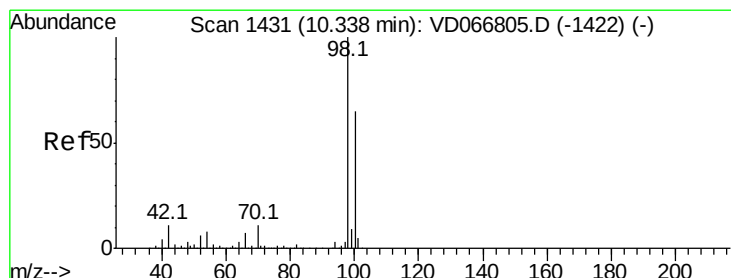
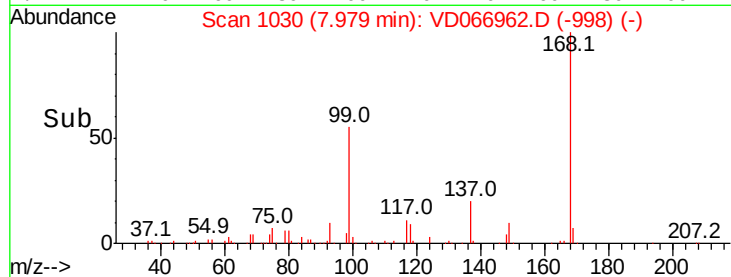
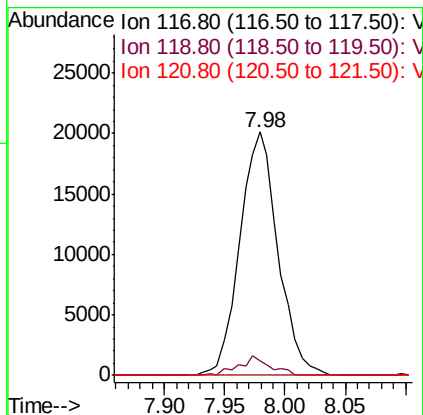
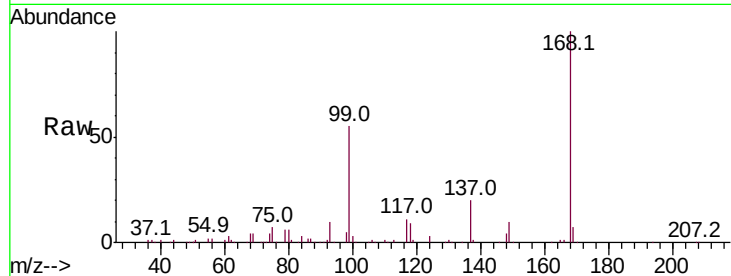




#38
Carbon Tetrachloride
Concen: 5.613 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066962.D
Acq: 30 Sep 2020 03:18

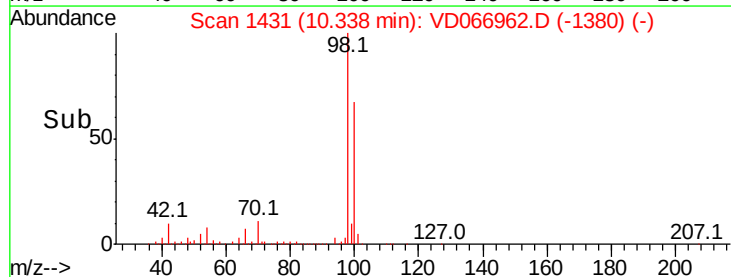
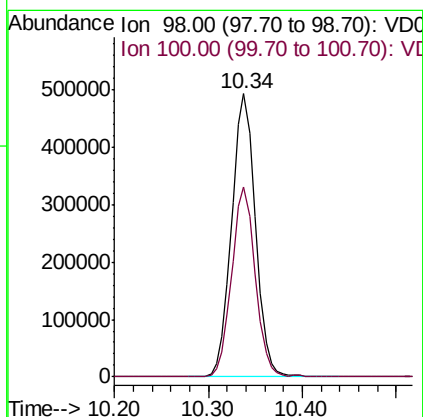
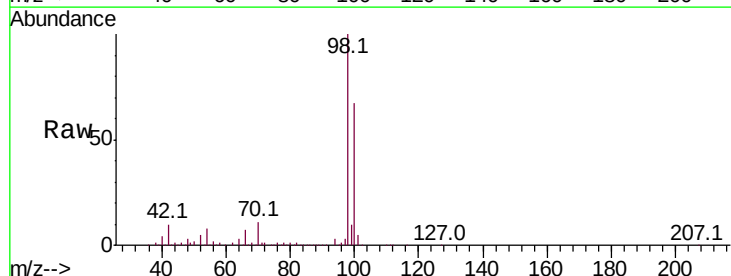
Instrument :
MSVOA_D
ClientSampleId :
B-11(9-11)

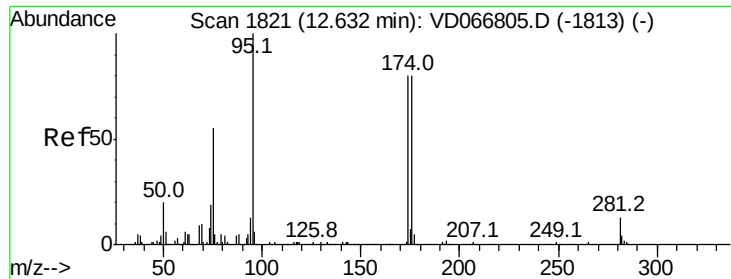
Tot Ion:117 Resp: 44337
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 23.4 35.0#



#50
Toluene-d8
Concen: 55.047 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066962.D
Acq: 30 Sep 2020 03:18

Tgt Ion: 98 Resp: 869025
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.2

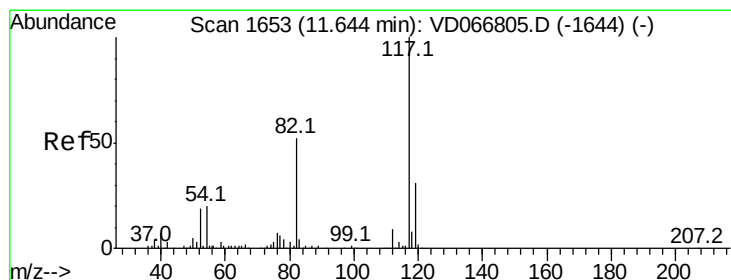
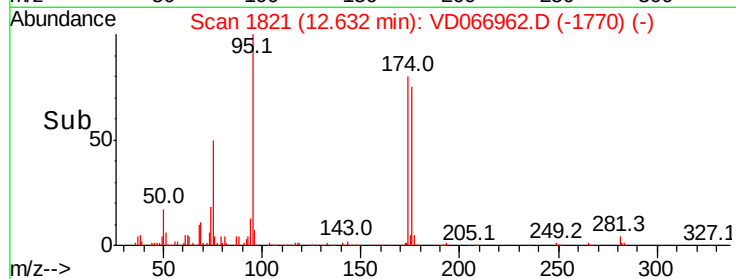
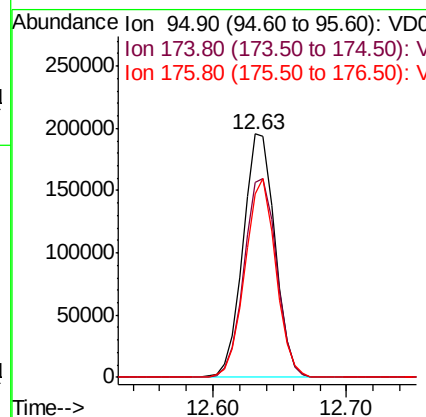
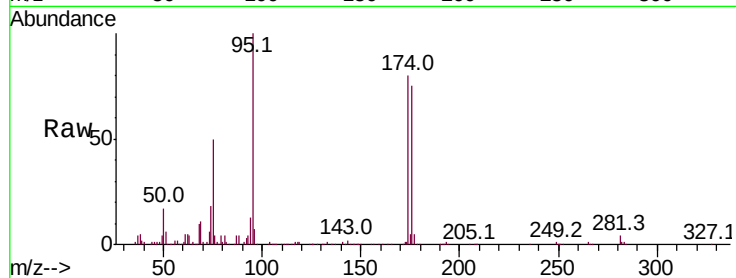




#62
4-Bromofluorobenzene
Concen: 59.754 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066962.D
Acq: 30 Sep 2020 03:18

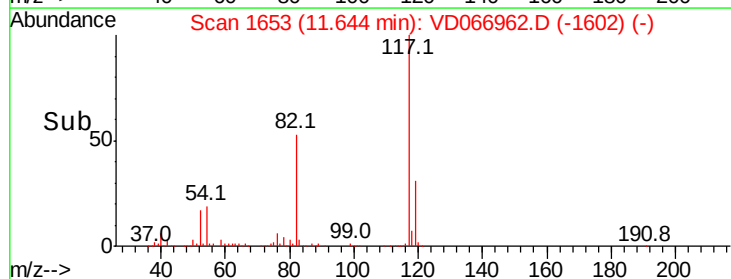
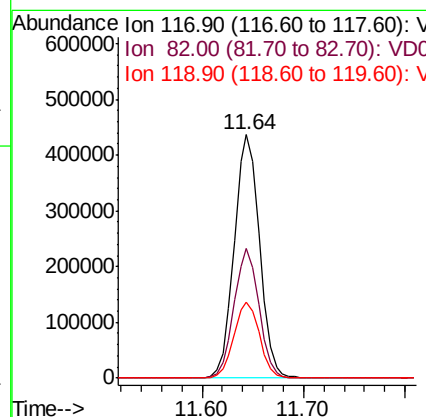
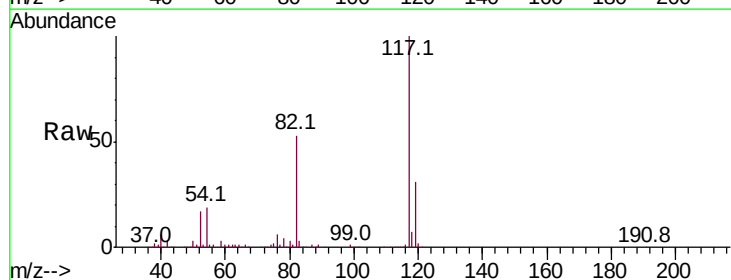
Instrument :
MSVOA_D
ClientSampleId :
B-11(9-11)

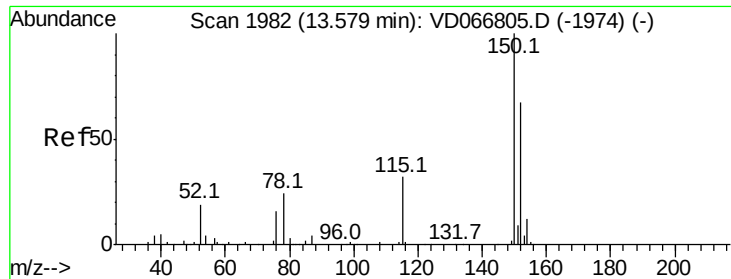
Tot Ion	95	Resp	322939
Ion Ratio	Lower	Upper	
95	100		
174	83.1	0.0	159.8
176	78.5	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066962.D
Acq: 30 Sep 2020 03:18

Tgt Ion	117	Resp	753936
Ion Ratio	Lower	Upper	
117	100		
82	53.3	41.8	62.6
119	31.2	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: VD066962.D

Acq: 30 Sep 2020 03:18

Instrument :

MSVOA_D

ClientSampleId :

B-11(9-11)

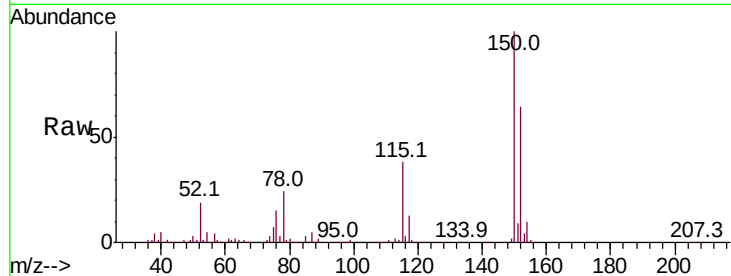
Tot Ion:152 Resp: 351244

Ion Ratio Lower Upper

152 100

115 60.0 30.3 91.0

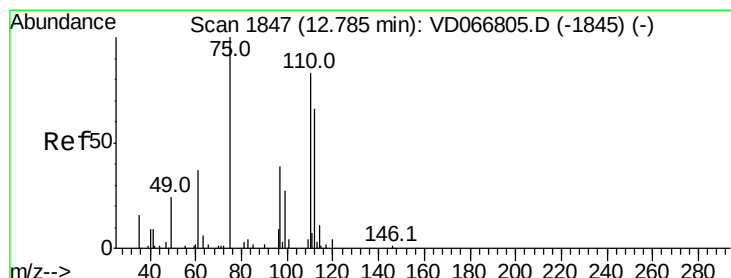
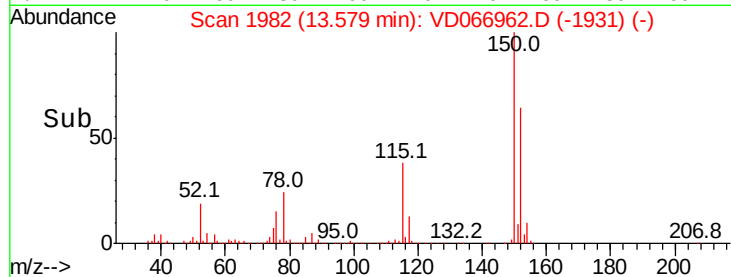
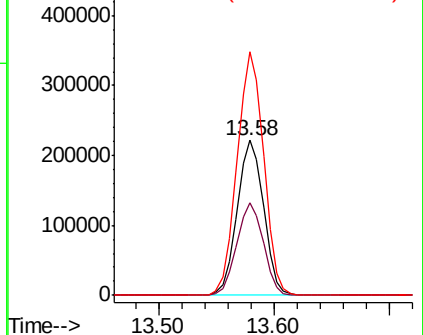
150 158.3 0.0 346.2



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: 56.553 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066962.D

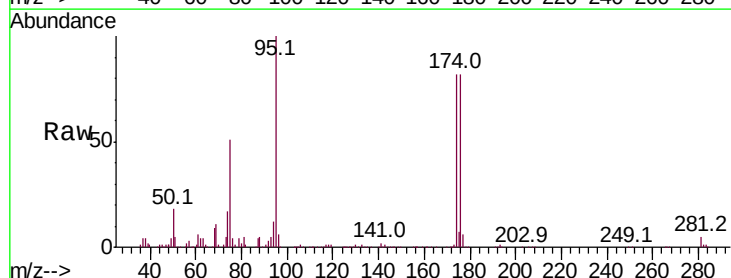
Acq: 30 Sep 2020 03:18

Tgt Ion: 75 Resp: 164616

Ion Ratio Lower Upper

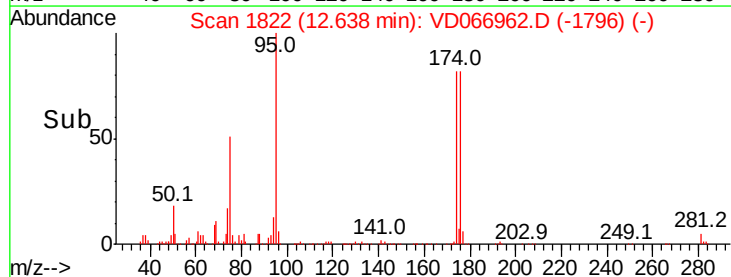
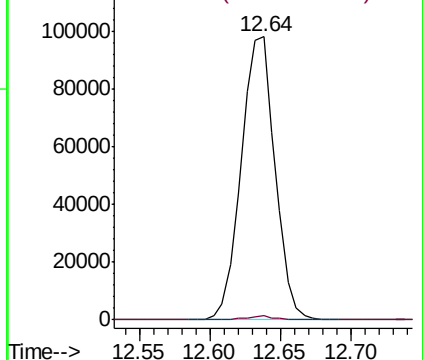
75 100

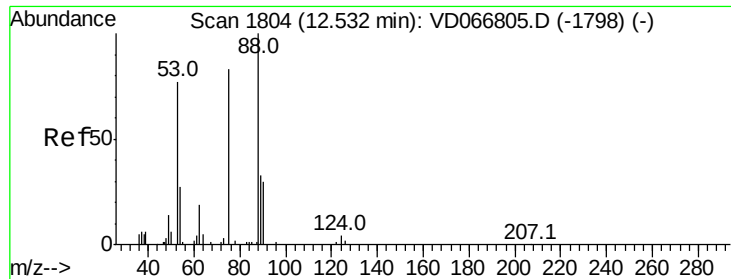
77 1.3 0.0 0.0#



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: 141.490 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066962.D

Acq: 30 Sep 2020 03:18

Instrument :

MSVOA_D

ClientSampleId :

B-11(9-11)

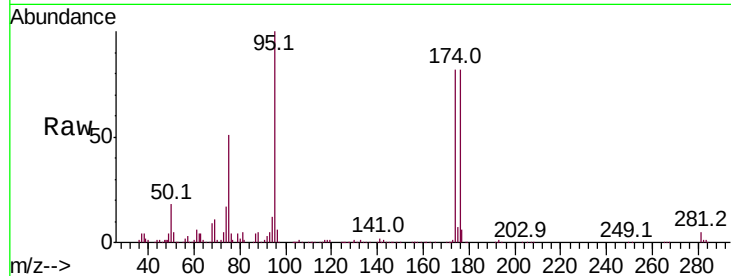
Tot Ion: 75 Resp: 164616

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

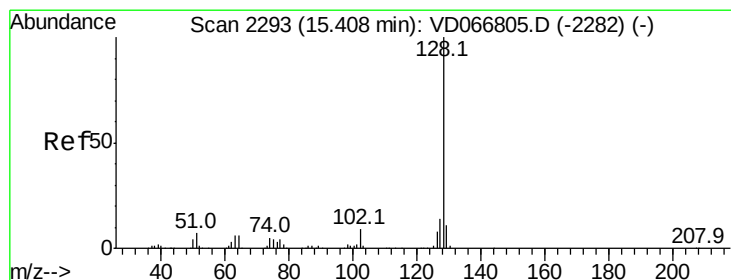
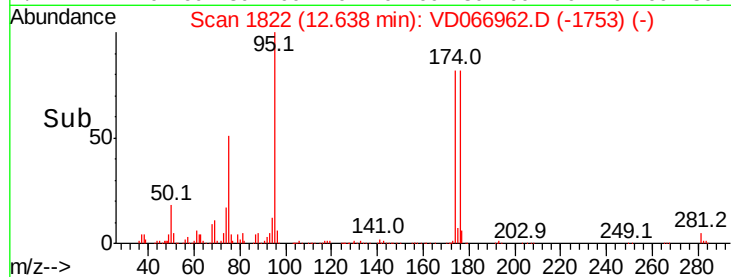
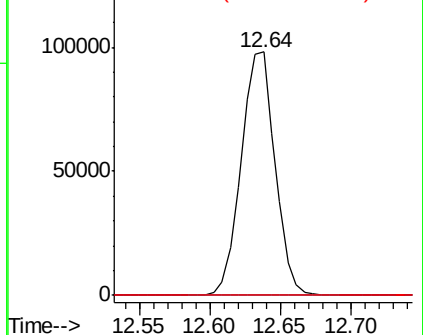
89 0.0 38.1 57.1#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V



#95

Naphthalene

Concen: 11.643 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066962.D

Acq: 30 Sep 2020 03:18

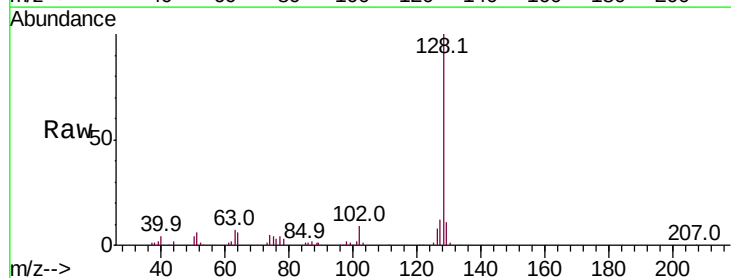
Tgt Ion:128 Resp: 124814

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 11.6 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

