

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066954.D
 Acq On : 29 Sep 2020 23:37
 Operator : VA/SY
 Sample : L4179-01
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-9(2-3)

Quant Time: Sep 30 04:23:08 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	397027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	663573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	696989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333287	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	199061	51.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.46%	
35) Dibromofluoromethane	7.91	113	213799	50.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.28%	
50) Toluene-d8	10.34	98	799717	55.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.20%	
62) 4-Bromofluorobenzene	12.63	95	306862	62.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.64%	

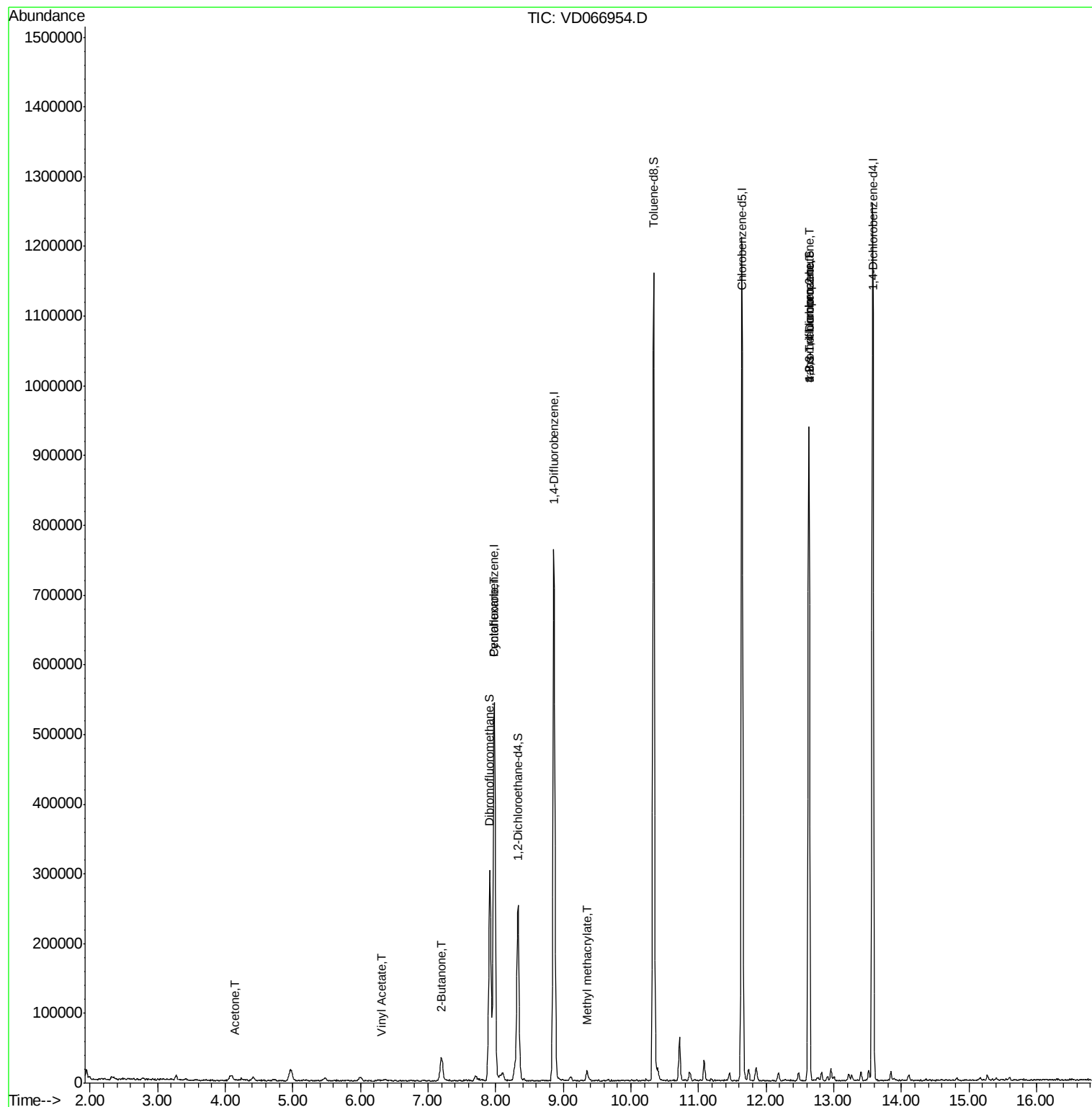
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	2980	Below Cal		95
11) Tert butyl alcohol	5.20	59	699	Below Cal	#	72
16) Acetone	4.16	43	1506	1.827	ug/l #	43
18) Methyl Acetate	4.73	43	62	Below Cal	#	50
20) Methylene Chloride	4.97	84	13397	Below Cal		89
23) Vinyl Acetate	6.30	43	103	2.688	ug/l #	71
25) 2-Butanone	7.20	43	2161	2.181	ug/l #	87
31) Cyclohexane	7.98	56	13413	1.898	ug/l #	44
48) Methyl methacrylate	9.34	41	2918	1.290	ug/l #	69
76) 1,2,3-Trichloropropane	12.64	75	157422	56.995	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	157422	142.597	ug/l #	10

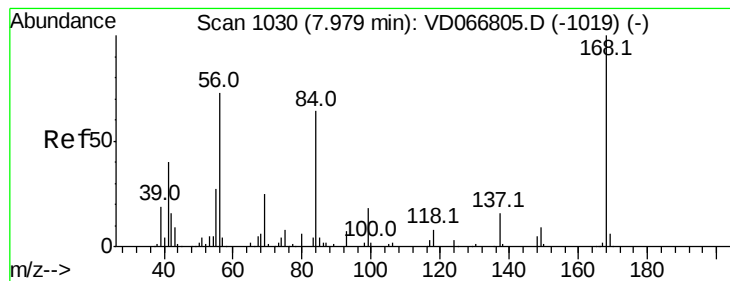
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
Data File : VD066954.D
Acq On : 29 Sep 2020 23:37
Operator : VA/SY
Sample : L4179-01
Misc : 5.07G/5.00ml/MSVOA D/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-9(2-3)

Quant Time: Sep 30 04:23:08 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: VD066954.D

Acq: 29 Sep 2020 23:37

Instrument :

MSVOA_D

ClientSampleId :

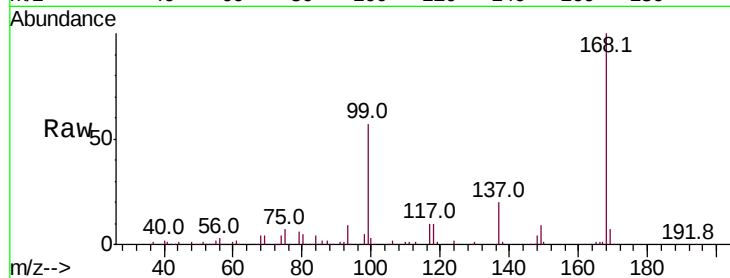
B-9(2-3)

Tot Ion:168 Resp: 397027

Ion Ratio Lower Upper

168 100

99 57.0 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

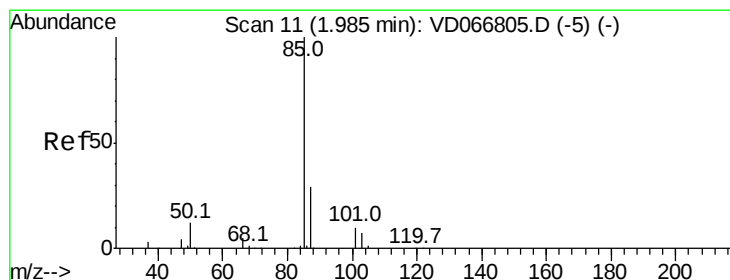
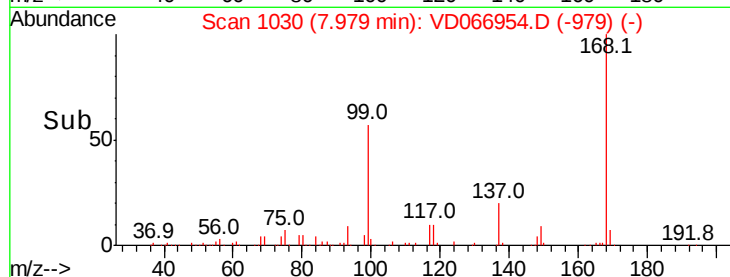
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066954.D

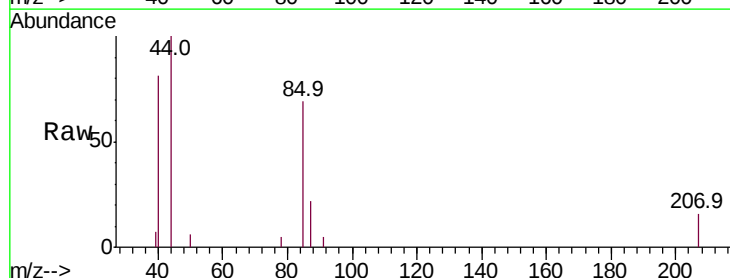
Acq: 29 Sep 2020 23:37

Tgt Ion: 85 Resp: 2980

Ion Ratio Lower Upper

85 100

87 31.6 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

2500

2000

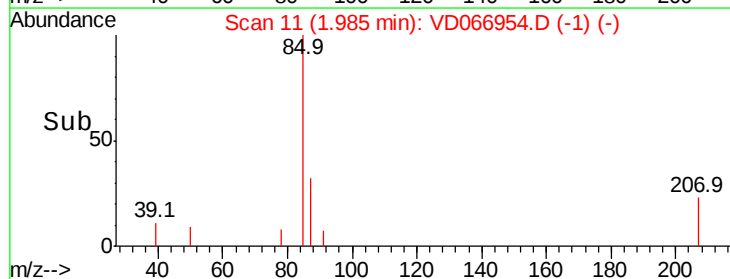
1500

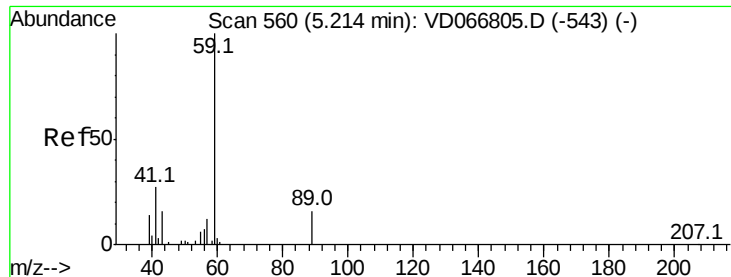
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD066954.D

Acq: 29 Sep 2020 23:37

Instrument :

MSVOA_D

ClientSampleId :

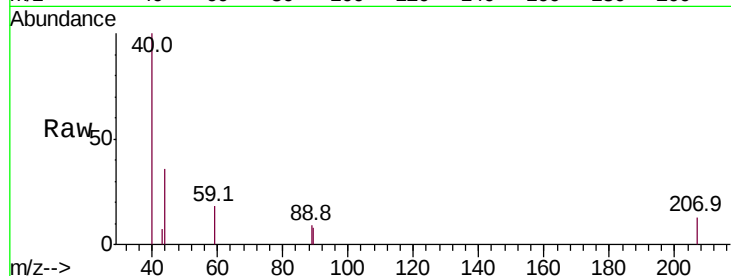
B-9(2-3)

Tot Ion: 59 Resp: 699

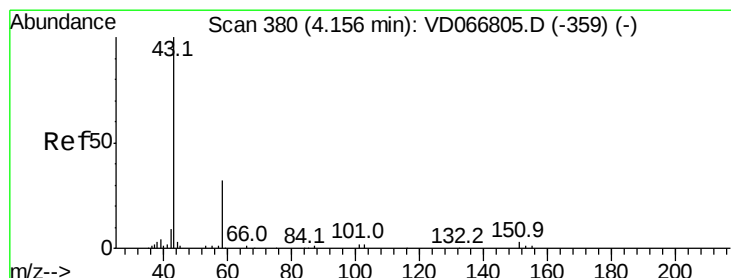
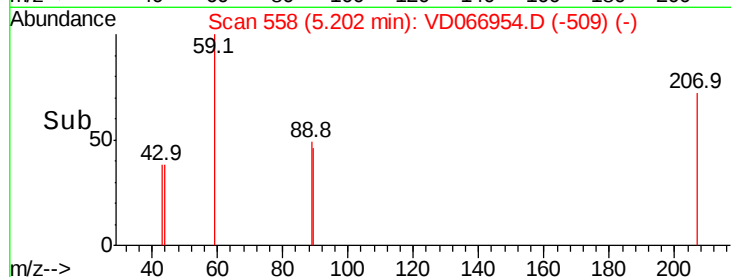
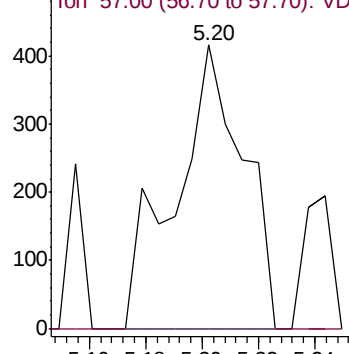
Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC



#16

Acetone

Concen: 1.827 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066954.D

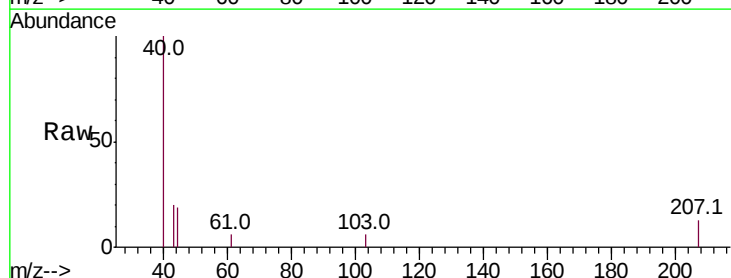
Acq: 29 Sep 2020 23:37

Tgt Ion: 43 Resp: 1506

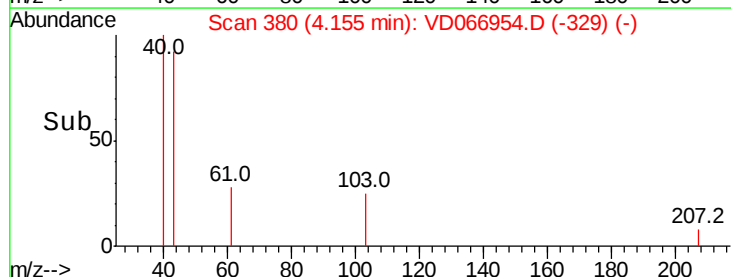
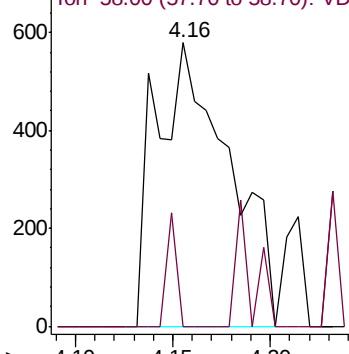
Ion Ratio Lower Upper

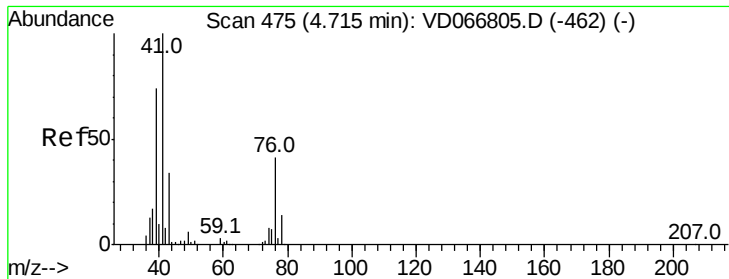
43 100

58 0.0 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

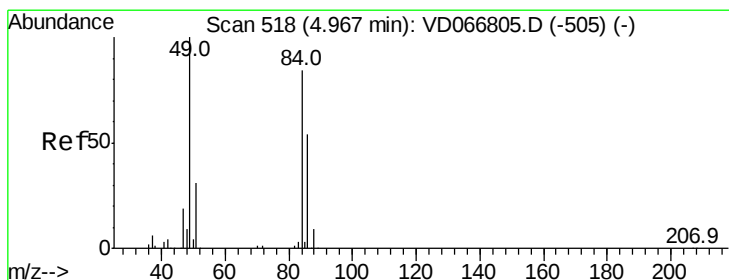
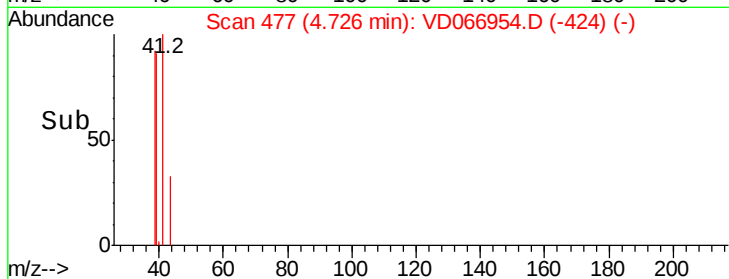
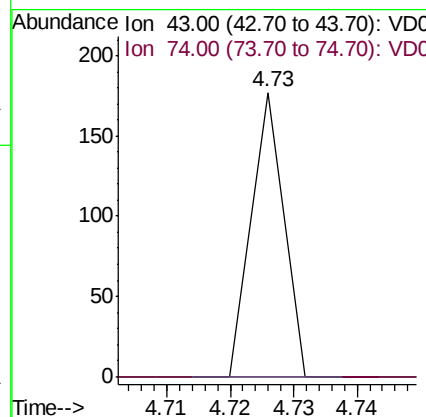
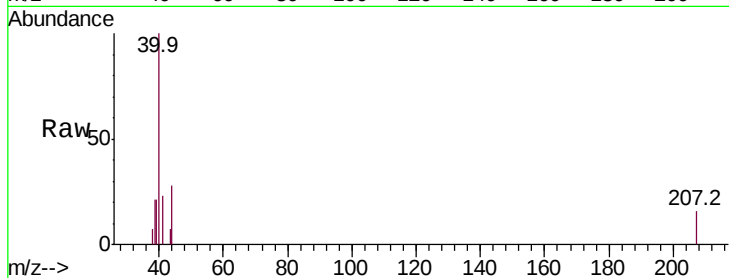




#18
Methyl Acetate
Concen: Below Cal
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD066954.D
Acq: 29 Sep 2020 23:37

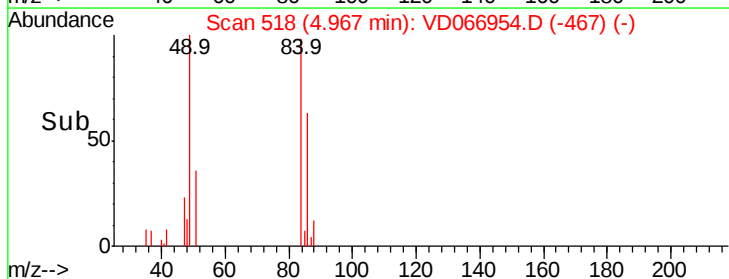
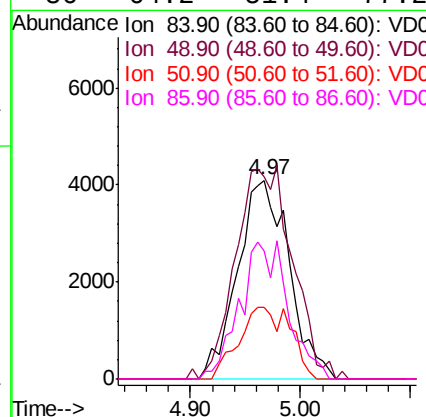
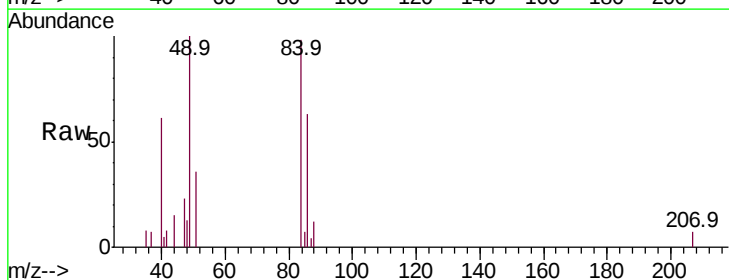
Instrument :
MSVOA_D
ClientSampleId :
B-9(2-3)

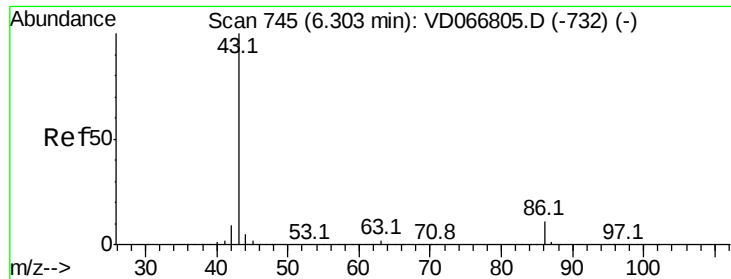
Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066954.D
Acq: 29 Sep 2020 23:37

Tgt Ion: 84 Resp: 13397
Ion Ratio Lower Upper
84 100
49 97.6 95.4 143.2
51 36.2 29.7 44.5
86 64.2 51.4 77.2

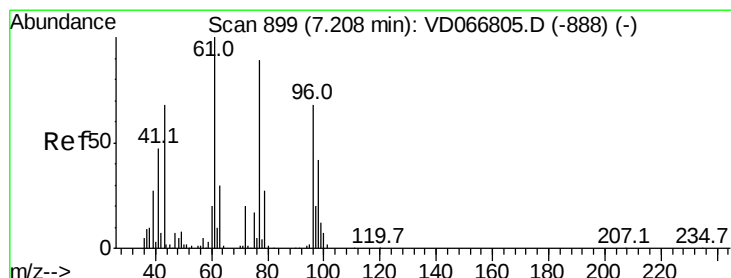
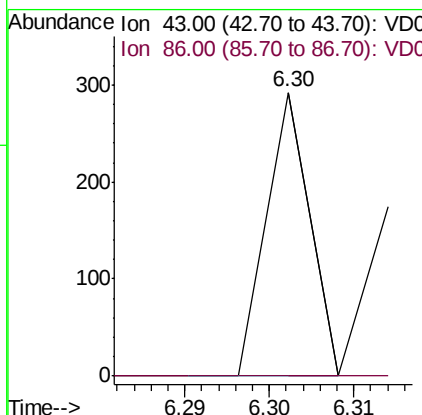
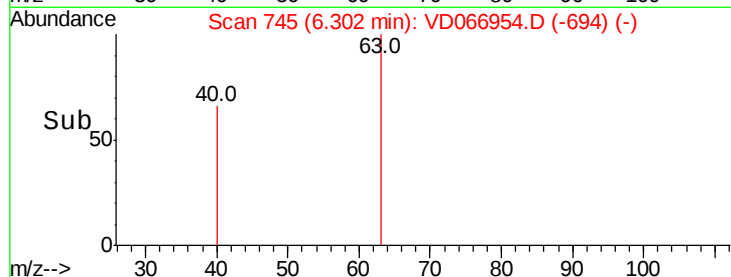
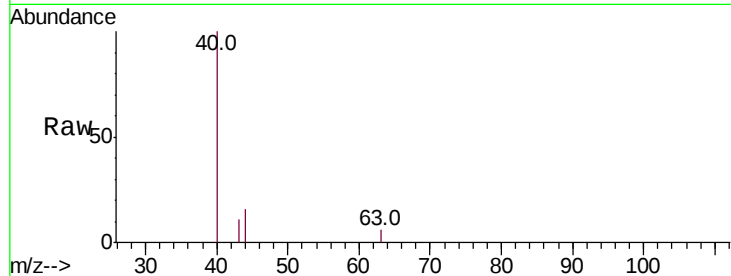




#23
 Vinyl Acetate
 Concen: 2.688 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD066954.D
 Acq: 29 Sep 2020 23:37

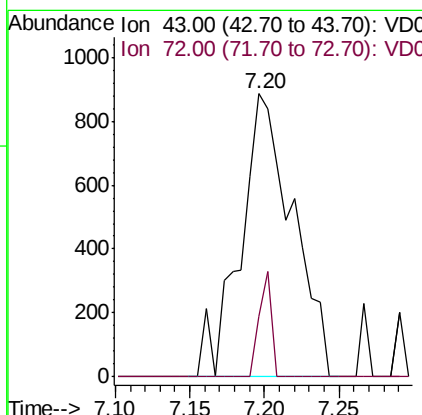
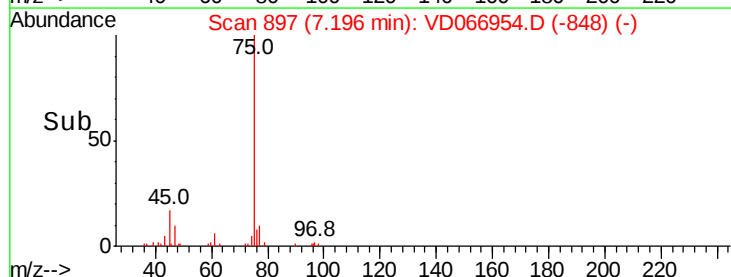
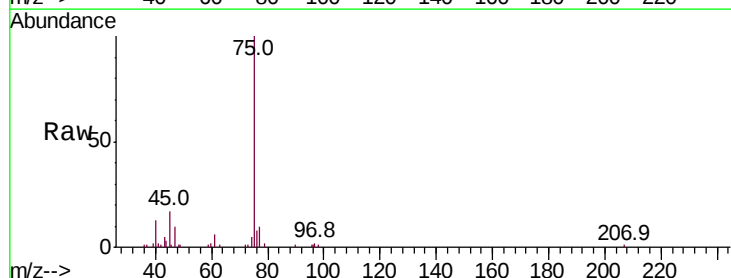
Instrument :
 MSVOA_D
 ClientSampleId :
 B-9(2-3)

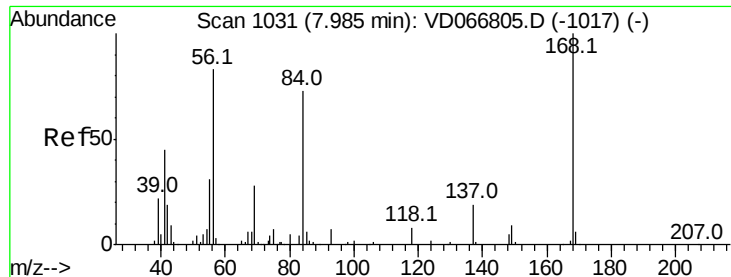
Tot Ion: 43 Resp: 103
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.9 13.3#



#25
 2-Butanone
 Concen: 2.181 ug/l
 RT: 7.20 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: VD066954.D
 Acq: 29 Sep 2020 23:37

Tgt Ion: 43 Resp: 2161
 Ion Ratio Lower Upper
 43 100
 72 21.6 22.9 34.3#

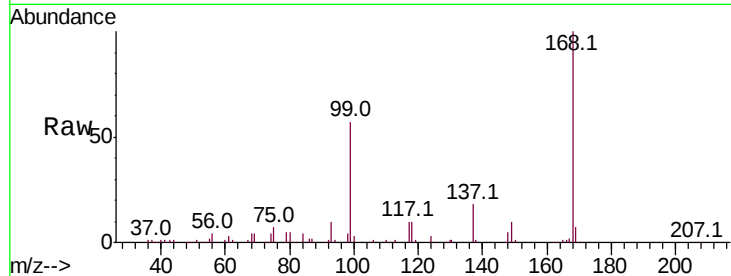




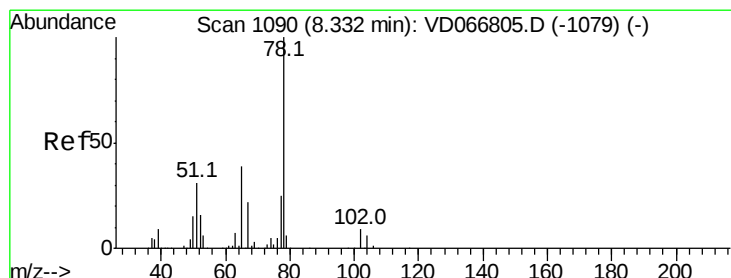
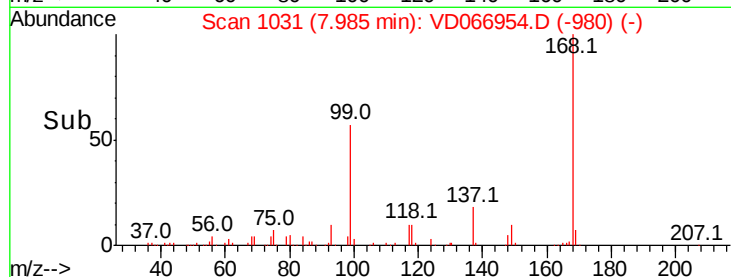
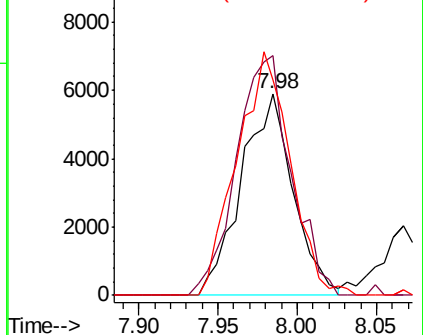
#31
Cyclohexane
Concen: 1.898 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066954.D
Acq: 29 Sep 2020 23:37

Instrument :
MSVOA_D
ClientSampleID :
B-9(2-3)

Tot Ion: 56 Resp: 13413
Ion Ratio Lower Upper
56 100
69 118.9 27.0 40.4#
84 106.7 70.2 105.4#

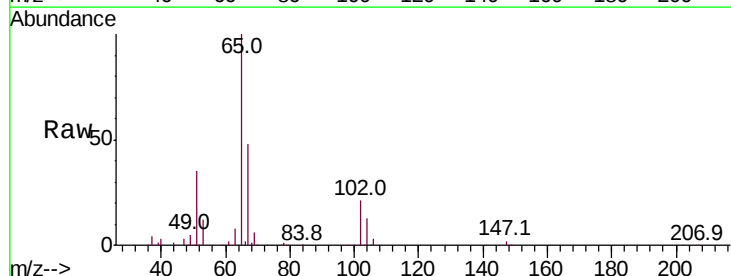


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

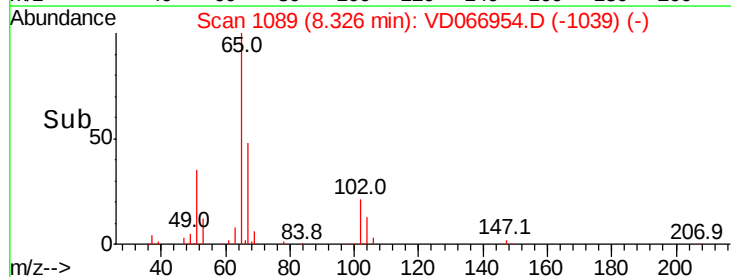
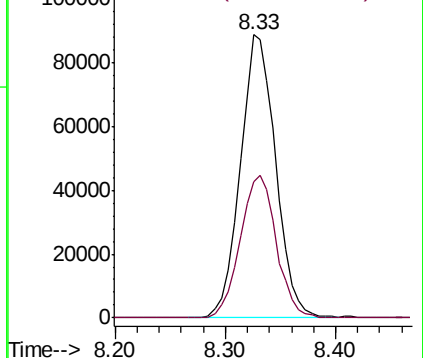


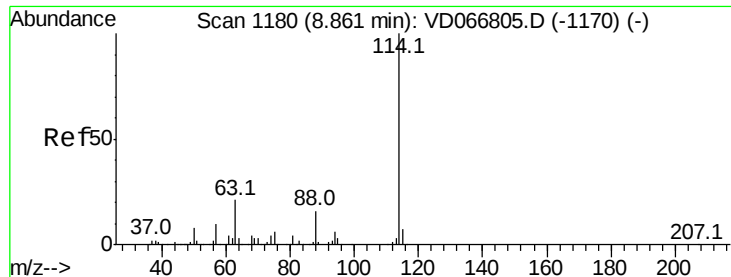
#33
1,2-Dichloroethane-d4
Concen: 51.226 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066954.D
Acq: 29 Sep 2020 23:37

Tgt Ion: 65 Resp: 199061
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.2



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

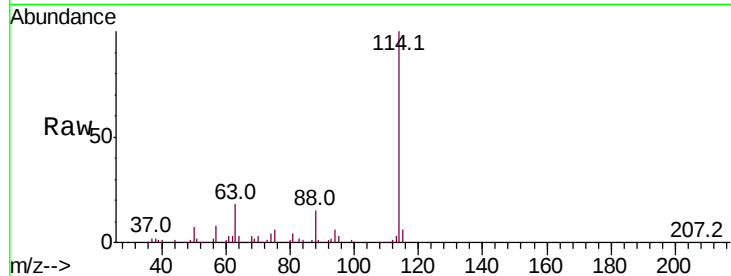




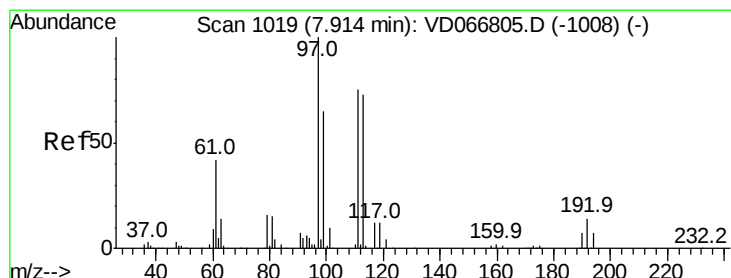
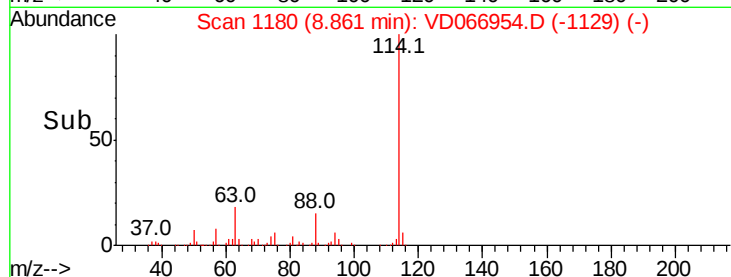
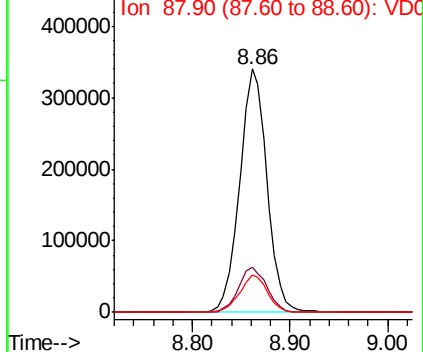
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066954.D
 Acq: 29 Sep 2020 23:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-9(2-3)

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	42.6
88	15.2	0.0	32.6

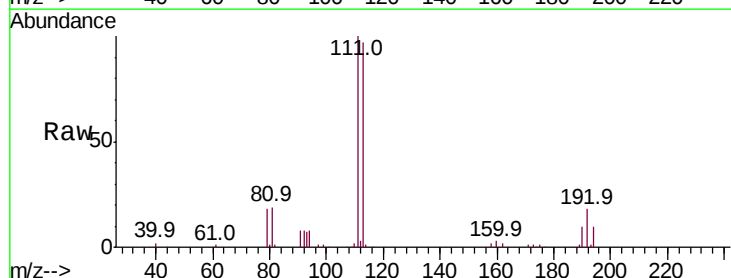


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

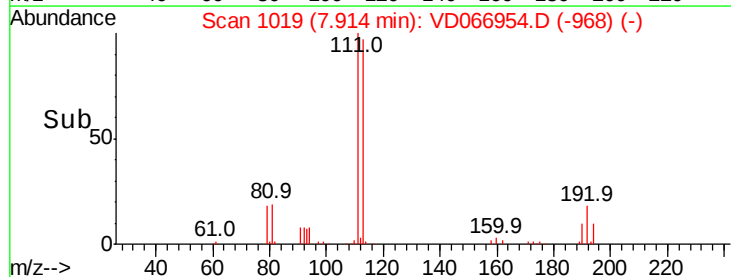
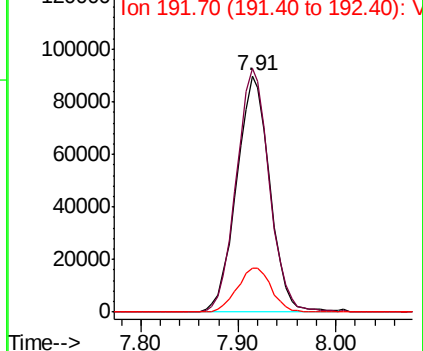


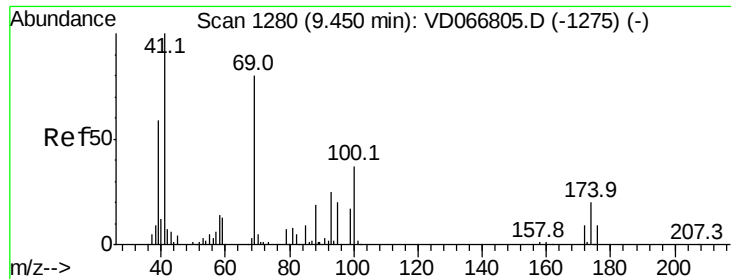
#35
 Dibromofluoromethane
 Concen: 50.643 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066954.D
 Acq: 29 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.8
192	19.1	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

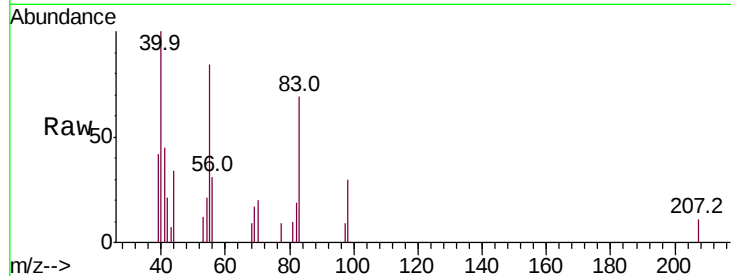




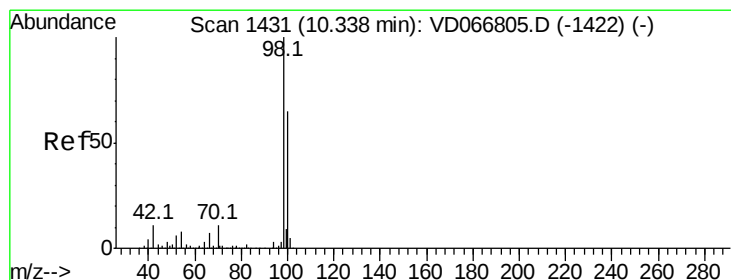
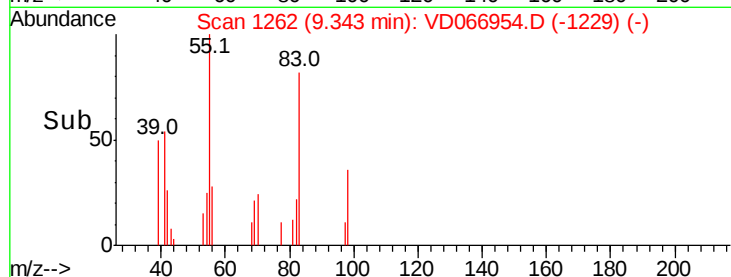
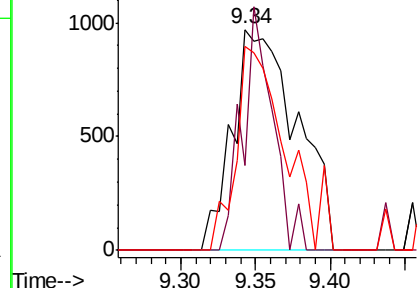
#48
Methvl methacrylate
Concen: 1.290 ug/l
RT: 9.34 min Scan# 1262
Delta R.T. -0.11 min
Lab File: VD066954.D
Acq: 29 Sep 2020 23:37

Instrument :
MSVOA_D
ClientSampleId :
B-9(2-3)

Tot Ion: 41 Resp: 2918
Ion Ratio Lower Upper
41 100
69 51.9 74.5 111.7#
39 67.3 47.0 70.6

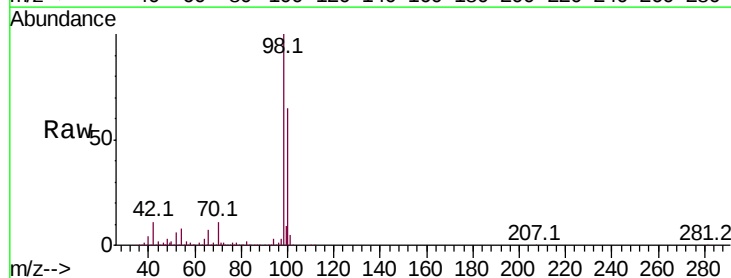


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

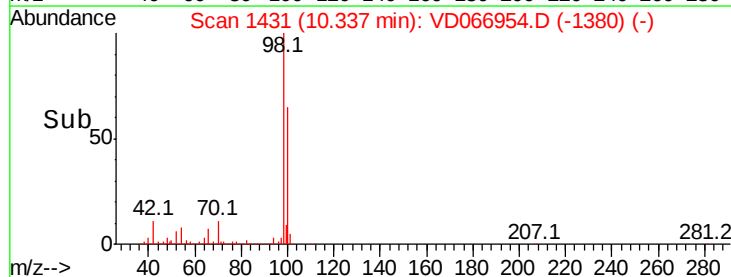
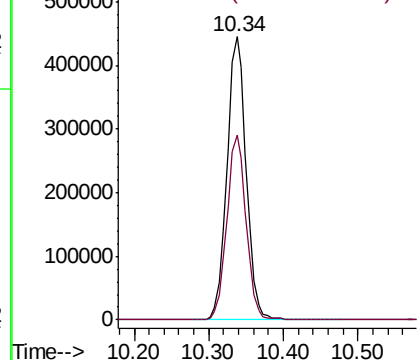


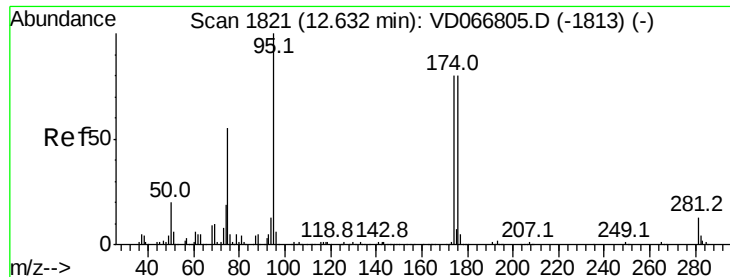
#50
Toluene-d8
Concen: 55.598 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066954.D
Acq: 29 Sep 2020 23:37

Tgt Ion: 98 Resp: 799717
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



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





#62

4-Bromofluorobenzene

Concen: 62.318 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066954.D

Acq: 29 Sep 2020 23:37

Instrument :

MSVOA_D

ClientSampleId :

B-9(2-3)

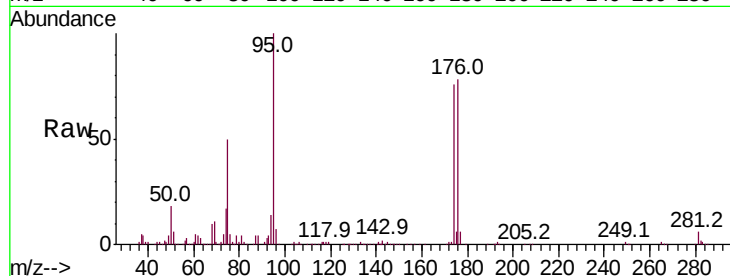
Tot Ion: 95 Resp: 306862

Ion Ratio Lower Upper

95 100

174 80.8 0.0 159.8

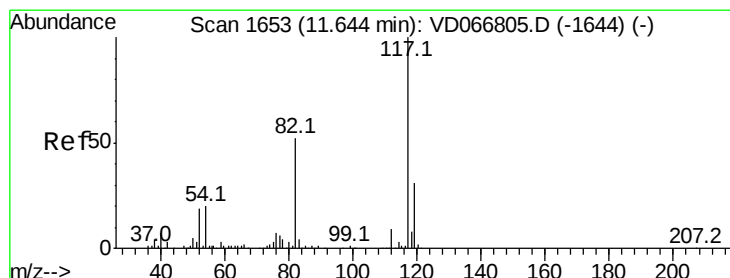
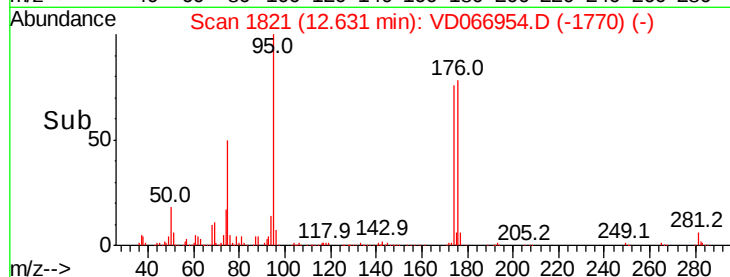
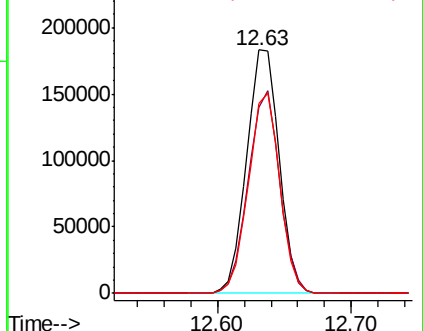
176 79.2 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066954.D

Acq: 29 Sep 2020 23:37

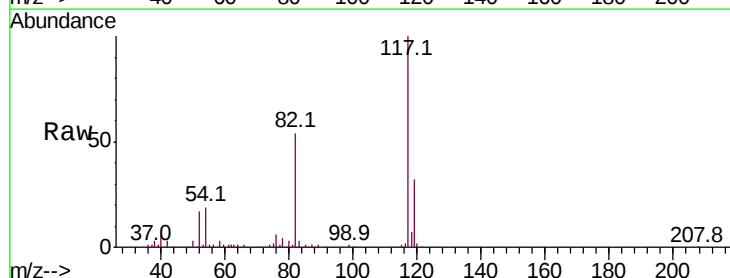
Tgt Ion: 117 Resp: 696989

Ion Ratio Lower Upper

117 100

82 54.0 41.8 62.6

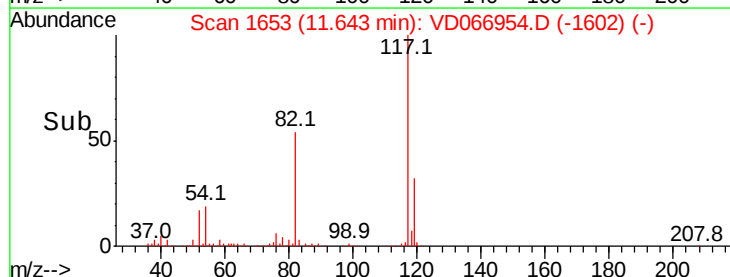
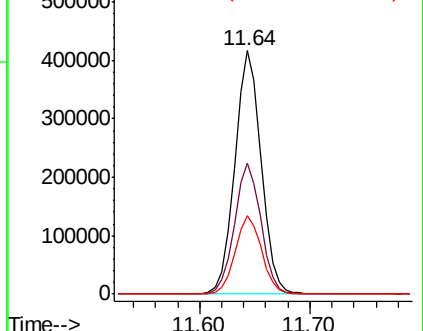
119 32.4 24.6 37.0

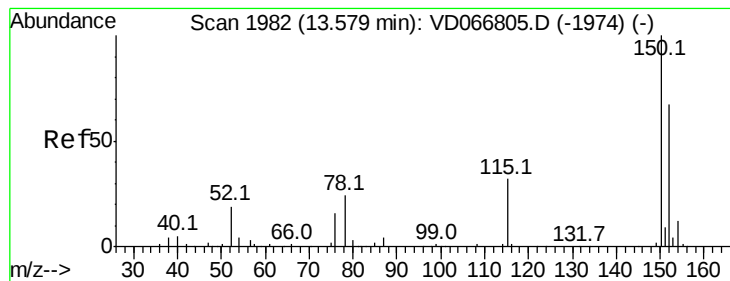


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066954.D

Acq: 29 Sep 2020 23:37

Instrument :

MSVOA_D

ClientSampleId :

B-9(2-3)

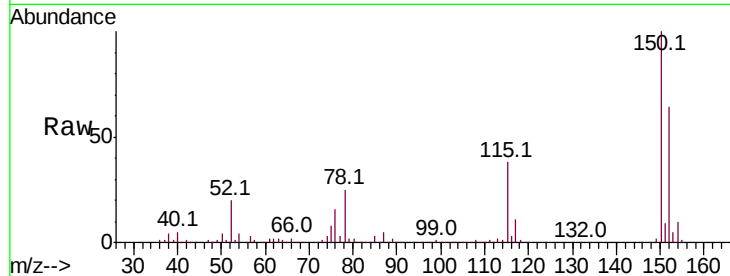
Tot Ion:152 Resp: 333287

Ion Ratio Lower Upper

152 100

115 59.0 30.3 91.0

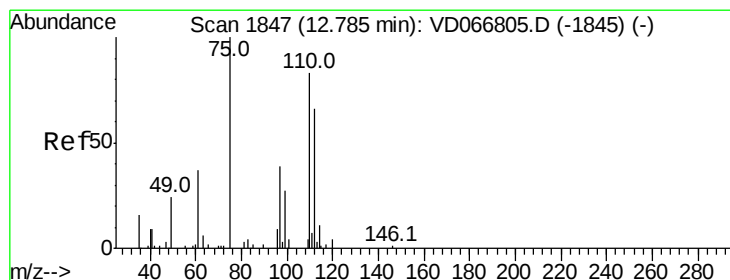
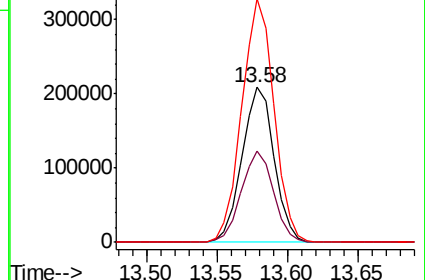
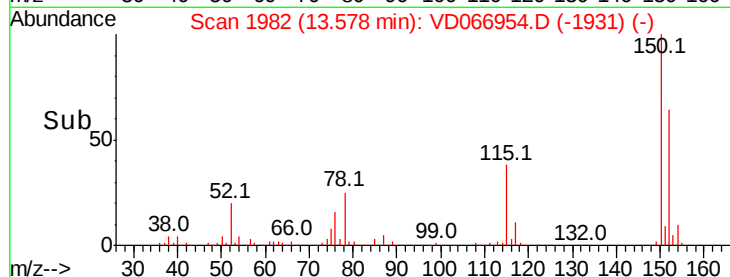
150 157.4 0.0 346.2



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: 56.995 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066954.D

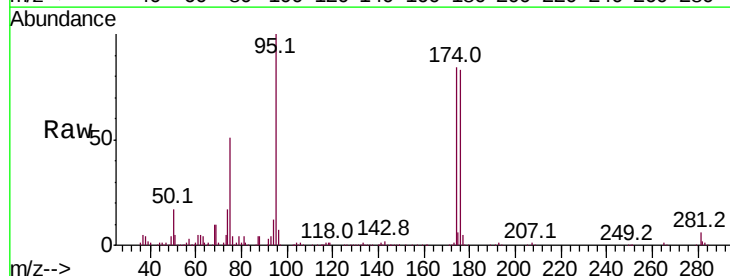
Acq: 29 Sep 2020 23:37

Tgt Ion: 75 Resp: 157422

Ion Ratio Lower Upper

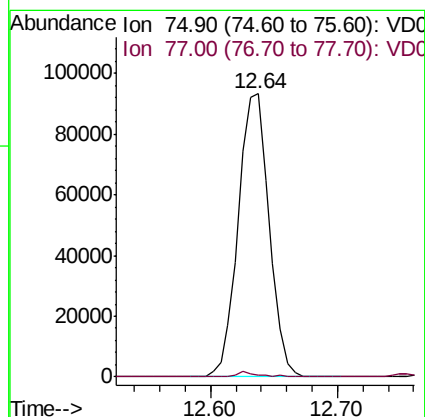
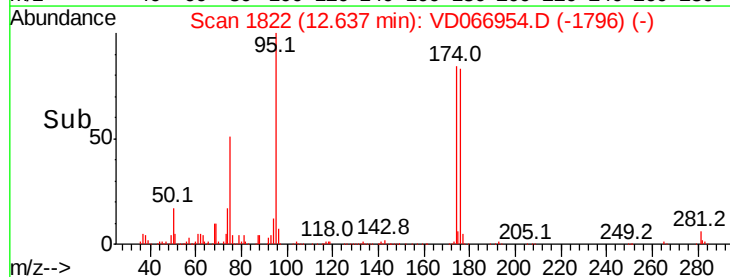
75 100

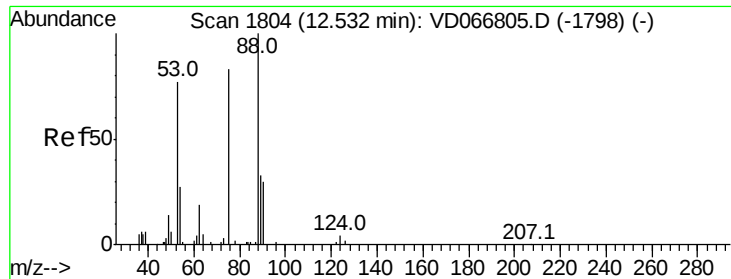
77 1.3 0.0 0.0#



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: 142.597 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066954.D

Acq: 29 Sep 2020 23:37

Instrument :

MSVOA_D

ClientSampleId :

B-9(2-3)

Tot Ion: 75 Resp: 157422

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 38.1 57.1#

