

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066344.D
 Acq On : 20 Aug 2020 05:00
 Operator : VA/SY
 Sample : L3678-01RE
 Misc : 9.86G/5.00ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BR-1

Quant Time: Aug 20 07:24:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	167565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	256935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	217275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	95309	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	97888	65.48	ug/l	0.00
Spiked Amount			Recovery	=	130.96%	
35) Dibromofluoromethane	7.91	113	95170	58.47	ug/l	0.00
Spiked Amount			Recovery	=	116.94%	
50) Toluene-d8	10.34	98	251518	41.87	ug/l	0.00
Spiked Amount			Recovery	=	83.74%	
62) 4-Bromofluorobenzene	12.63	95	93661	43.26	ug/l	0.00
Spiked Amount			Recovery	=	86.52%	

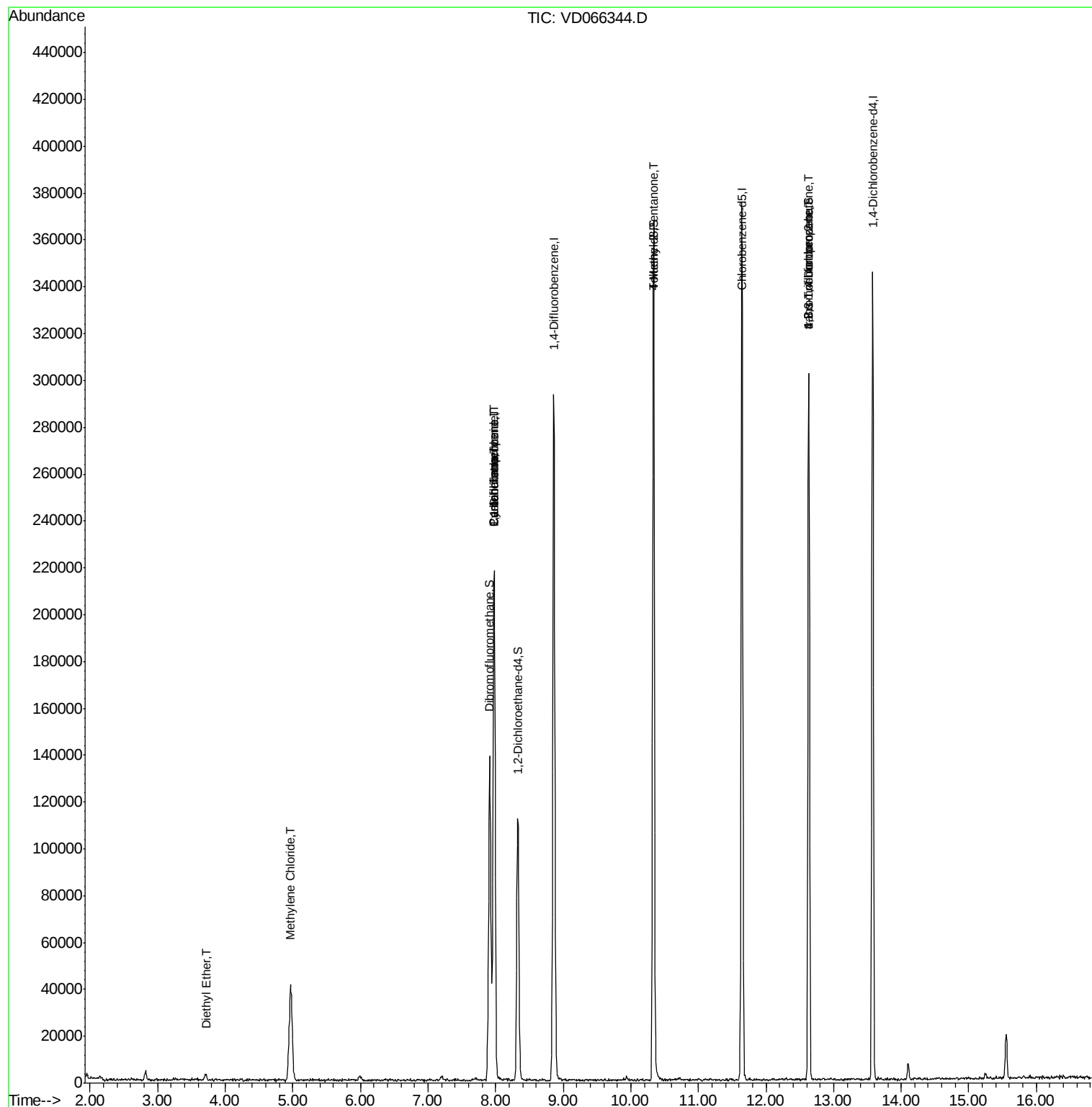
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	1548	2.070	ug/l	95
11) Tert butyl alcohol	5.19	59	77	Below Cal	#	76
20) Methylene Chloride	4.97	84	30367	15.415	ug/l	94
31) Cyclohexane	7.98	56	3317	1.266	ug/l #	1
36) 1,1-Dichloropropene	7.97	75	11616	4.811	ug/l #	51
38) Carbon Tetrachloride	7.98	117	16679	6.195	ug/l #	13
51) 4-Methyl-2-Pentanone	10.33	43	1091	1.127	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	47987	60.375	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	47987	133.464	ug/l #	13

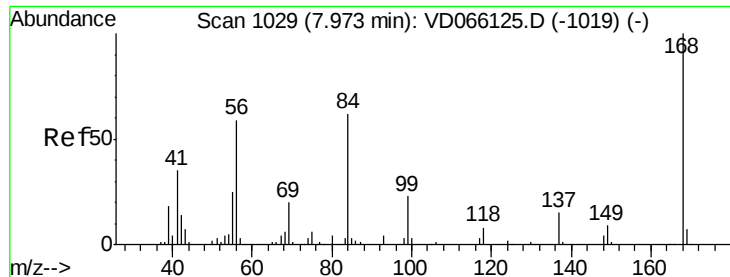
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081920\
Data File : VD066344.D
Acq On : 20 Aug 2020 05:00
Operator : VA/SY
Sample : L3678-01RE
Misc : 9.86G/5.00ml/MSVOA D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BR-1

Quant Time: Aug 20 07:24:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066344.D

Acq: 20 Aug 2020 05:00

Instrument :

MSVOA_D

ClientSampleId :

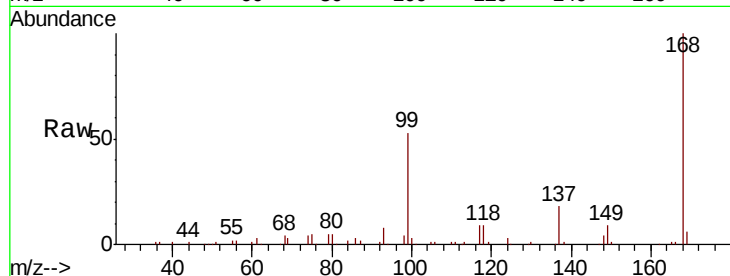
BR-1

Tot Ion:168 Resp: 167565

Ion Ratio Lower Upper

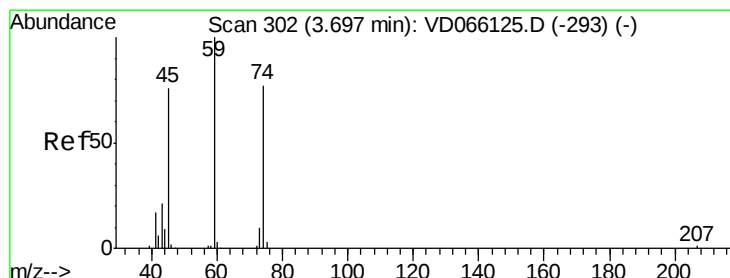
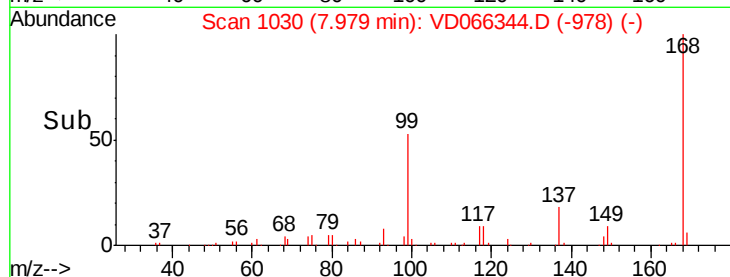
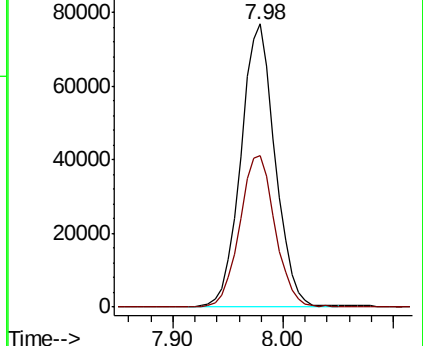
168 100

99 53.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 2.070 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.02 min

Lab File: VD066344.D

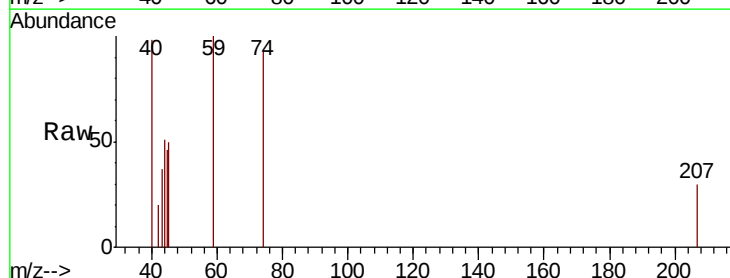
Acq: 20 Aug 2020 05:00

Tgt Ion: 74 Resp: 1548

Ion Ratio Lower Upper

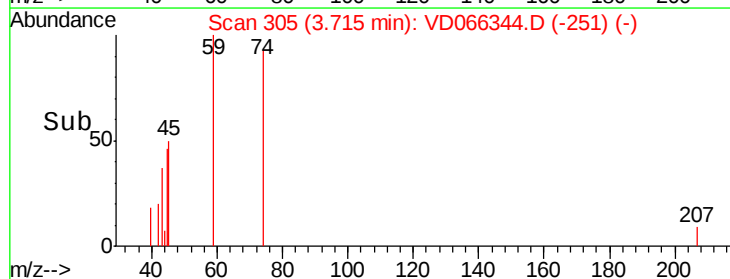
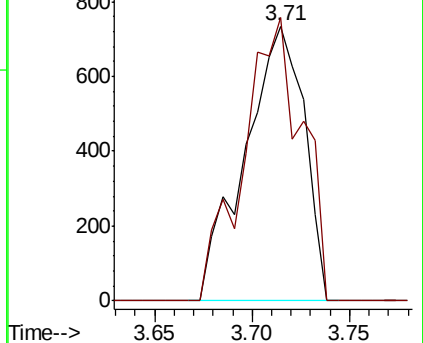
74 100

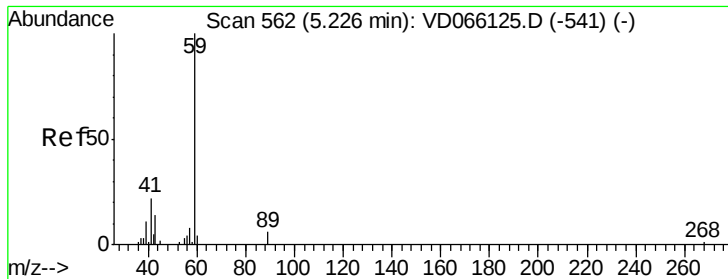
45 101.9 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

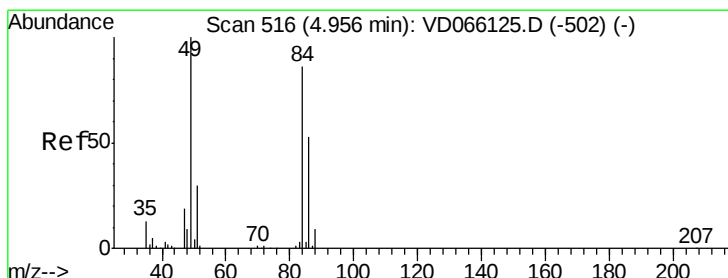
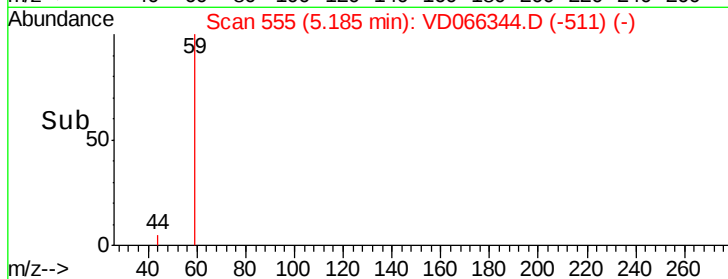
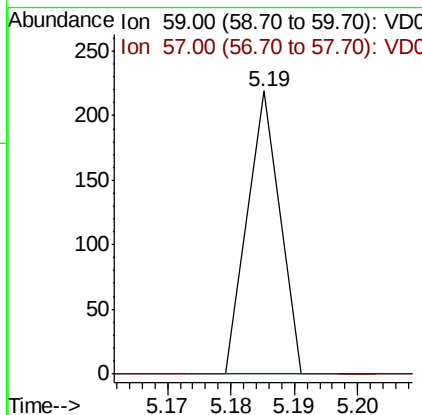
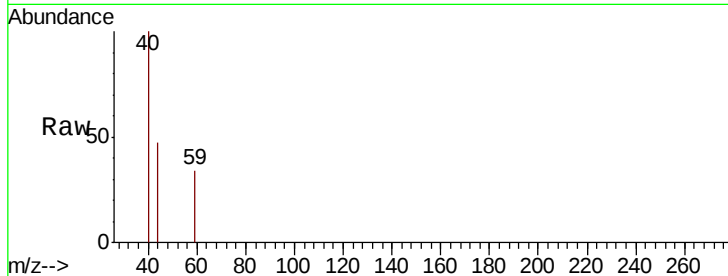




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.19 min Scan# 555
Delta R.T. -0.04 min
Lab File: VD066344.D
Acq: 20 Aug 2020 05:00

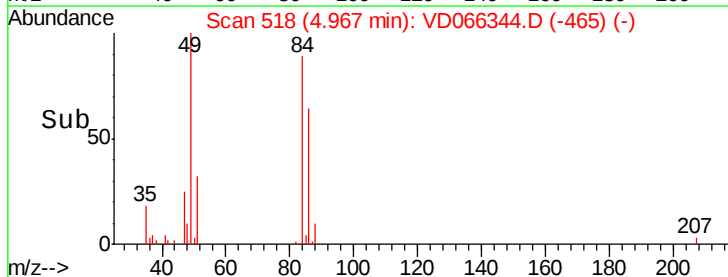
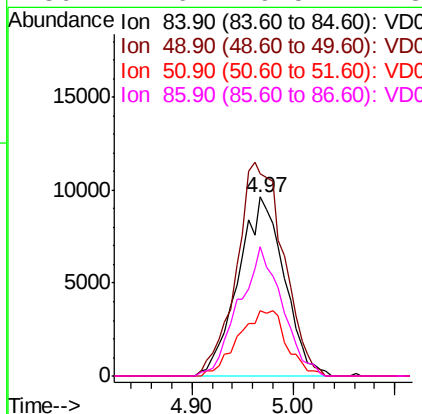
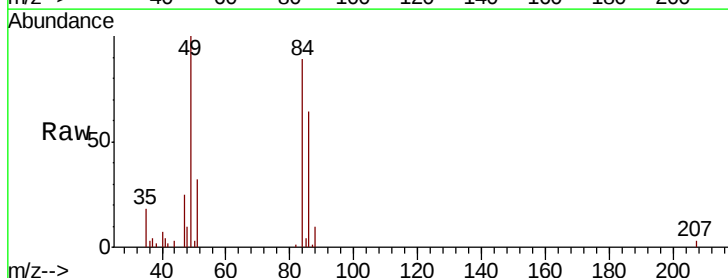
Instrument :
MSVOA_D
ClientSampleId :
BR-1

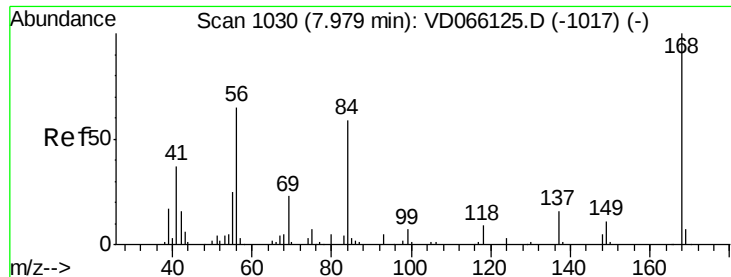
Tot Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#



#20
Methylene Chloride
Concen: 15.415 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066344.D
Acq: 20 Aug 2020 05:00

Tgt Ion: 84 Resp: 30367
Ion Ratio Lower Upper
84 100
49 112.8 93.5 140.3
51 36.5 28.2 42.4
86 72.6 49.5 74.3

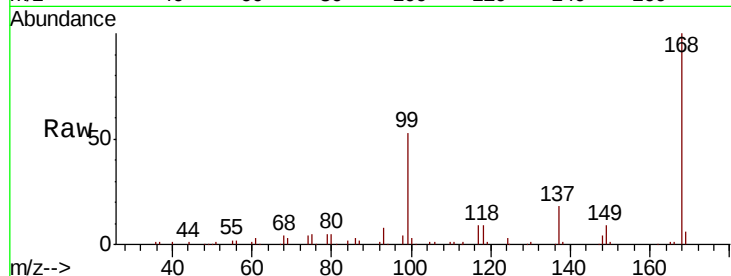




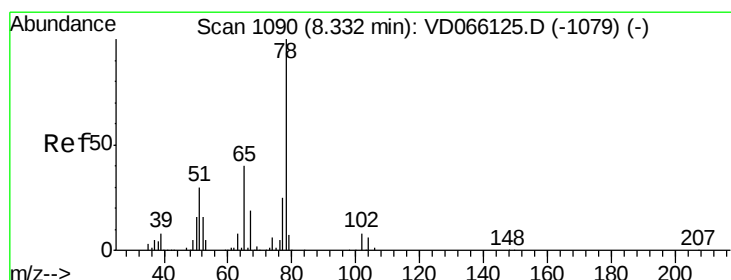
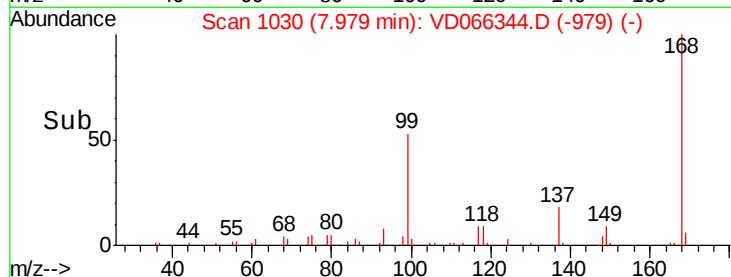
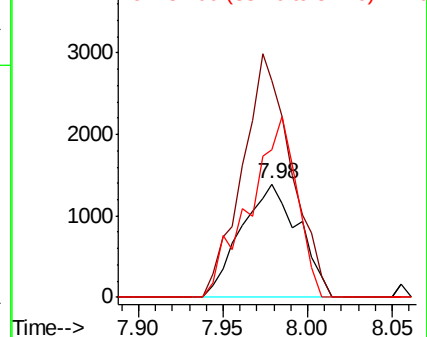
#31
Cyclohexane
Concen: 1.266 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066344.D
Acq: 20 Aug 2020 05:00

Instrument :
MSVOA_D
ClientSampleID :
BR-1

Tot Ion: 56 Resp: 3317
Ion Ratio Lower Upper
56 100
69 191.5 28.8 43.2#
84 129.9 73.0 109.6#

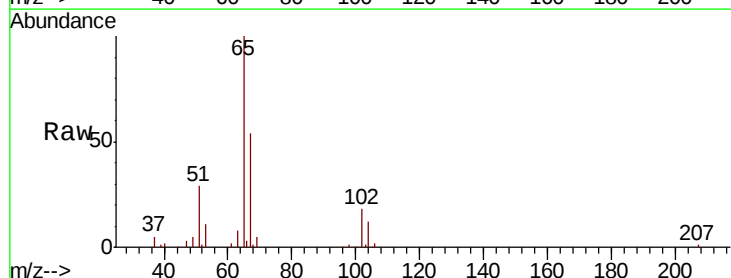


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

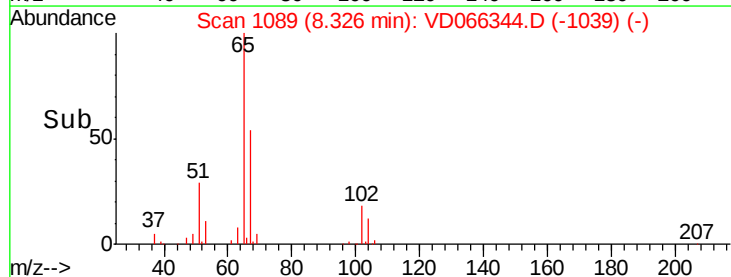
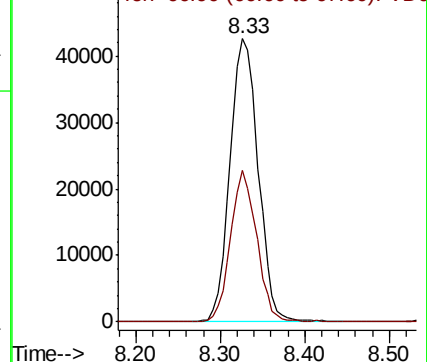


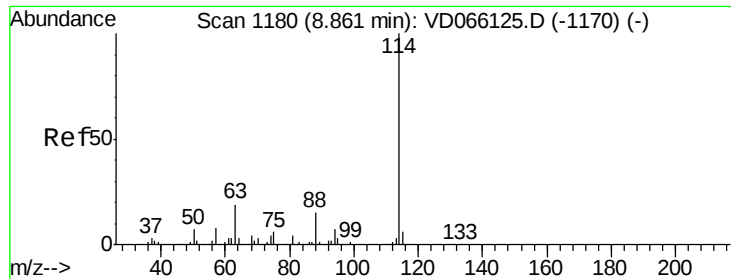
#33
1,2-Dichloroethane-d4
Concen: 65.480 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066344.D
Acq: 20 Aug 2020 05:00

Tgt Ion: 65 Resp: 97888
Ion Ratio Lower Upper
65 100
67 49.5 0.0 104.6



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

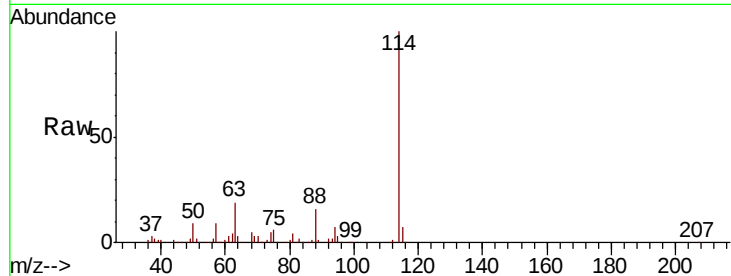




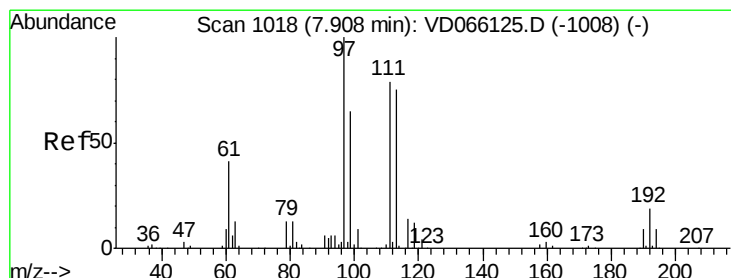
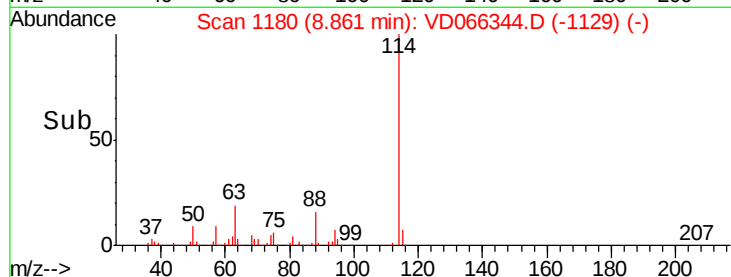
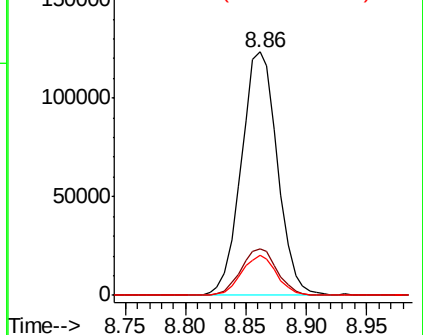
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066344.D
 Acq: 20 Aug 2020 05:00

Instrument :
 MSVOA_D
 ClientSampleId :
 BR-1

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.6
88	16.4	0.0	30.0

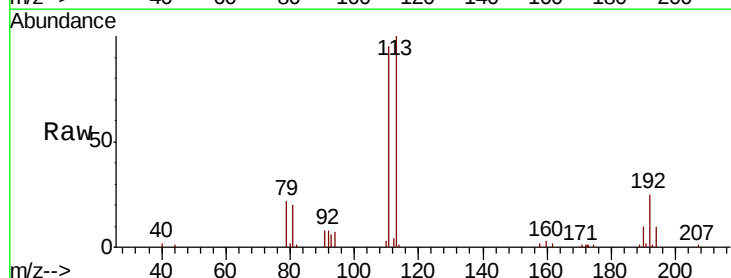


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

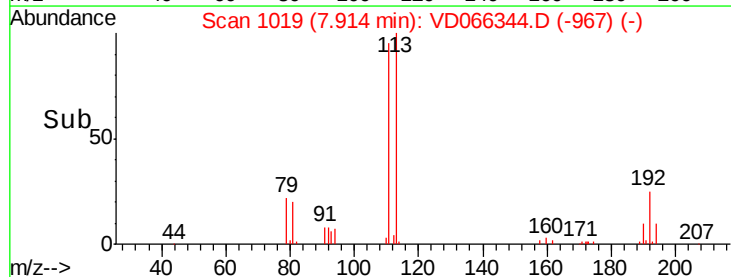
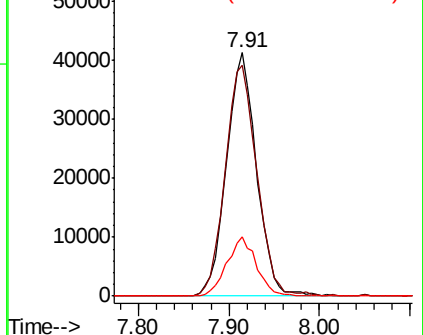


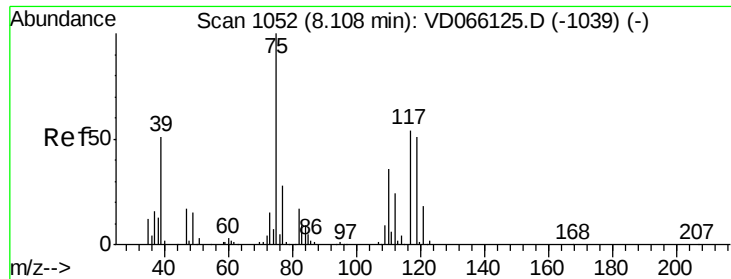
#35
 Dibromofluoromethane
 Concen: 58.471 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066344.D
 Acq: 20 Aug 2020 05:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.6	80.7	121.1
192	23.7	18.4	27.6



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: 4.811 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066344.D

Acq: 20 Aug 2020 05:00

Instrument :

MSVOA_D

ClientSampled :

BR-1

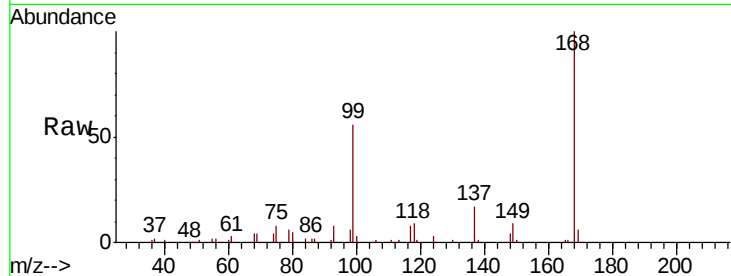
Tot Ion: 75 Resp: 11616

Ion Ratio Lower Upper

75 100

110 11.3 18.8 56.3#

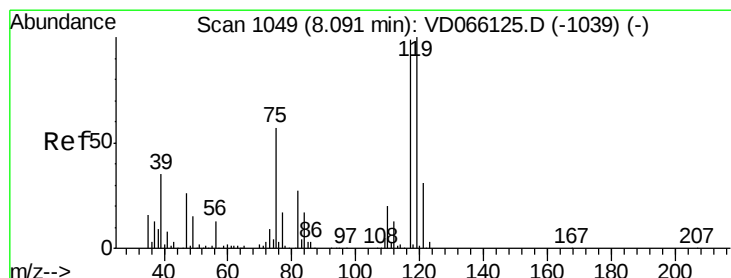
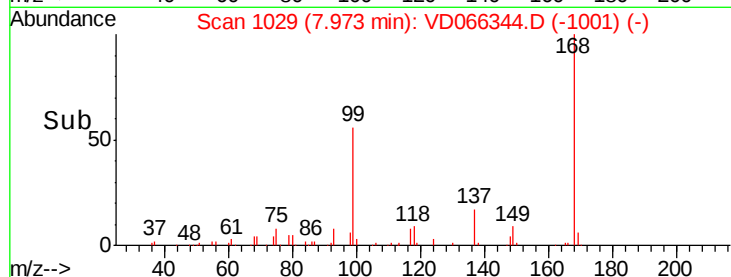
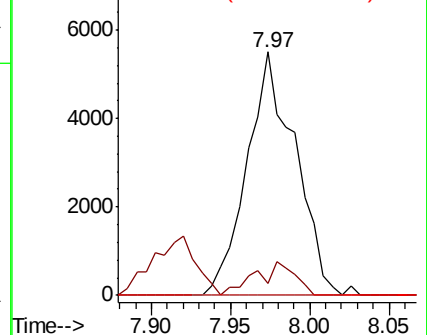
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VD066125.D (-1039) (-)

Ion 109.90 (109.60 to 110.60): VD066125.D (-1039) (-)

Ion 76.90 (76.60 to 77.60): VD066125.D (-1039) (-)



#38

Carbon Tetrachloride

Concen: 6.195 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD066344.D

Acq: 20 Aug 2020 05:00

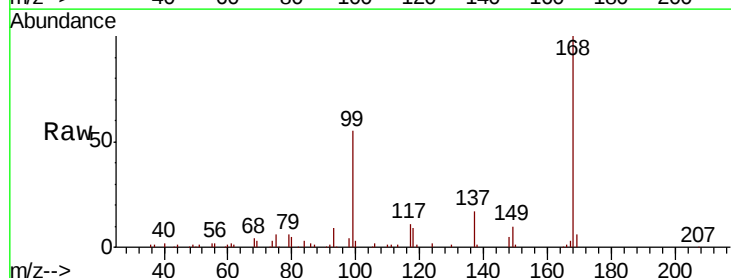
Tgt Ion: 117 Resp: 16679

Ion Ratio Lower Upper

117 100

119 4.7 81.0 121.4#

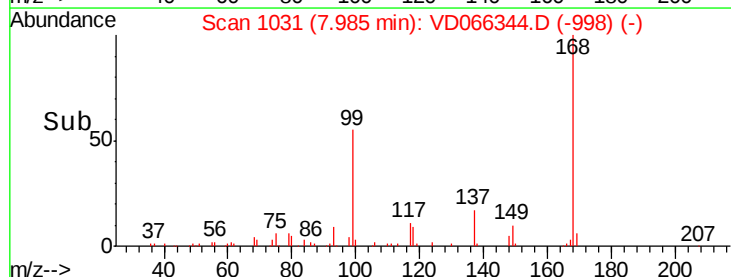
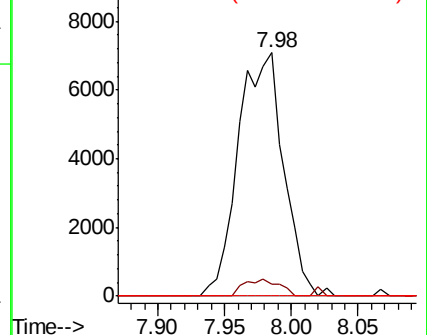
121 0.0 24.8 37.2#

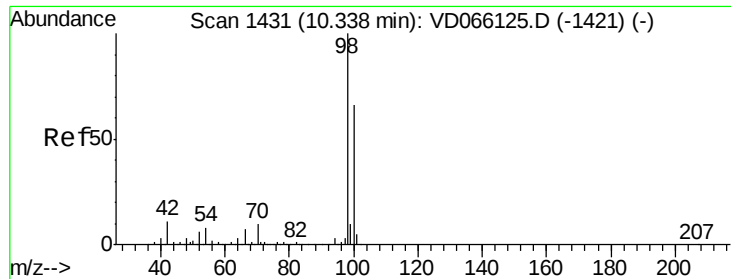


Abundance Ion 116.80 (116.50 to 117.50): VD066125.D (-1039) (-)

Ion 118.80 (118.50 to 119.50): VD066125.D (-1039) (-)

Ion 120.80 (120.50 to 121.50): VD066125.D (-1039) (-)





#50

Toluene-d8

Concen: 41.875 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066344.D

Acq: 20 Aug 2020 05:00

Instrument :

MSVOA_D

ClientSampleId :

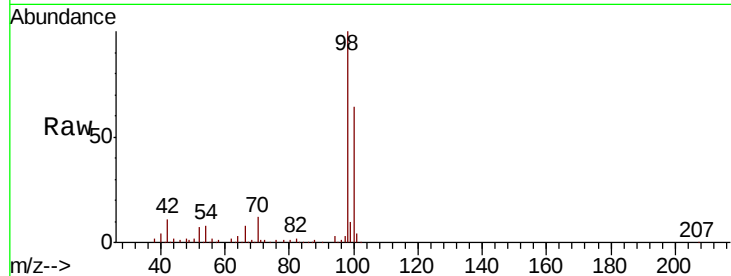
BR-1

Tot Ion: 98 Resp: 251518

Ion Ratio Lower Upper

98 100

100 64.9 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

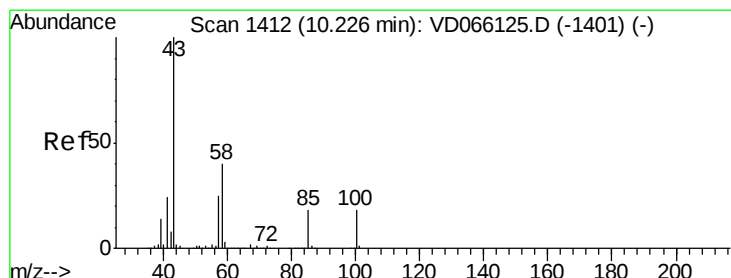
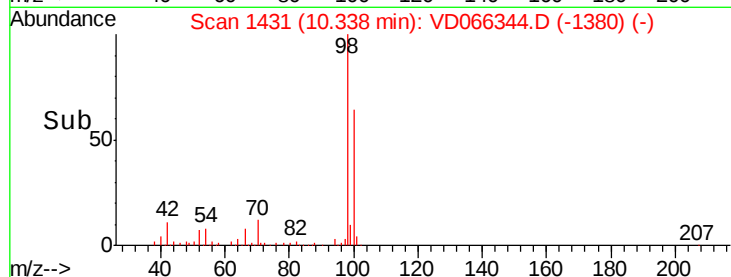
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.127 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066344.D

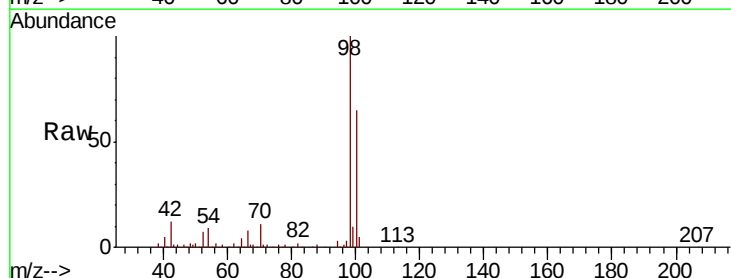
Acq: 20 Aug 2020 05:00

Tgt Ion: 43 Resp: 1091

Ion Ratio Lower Upper

43 100

58 197.5 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.33

1200

1000

800

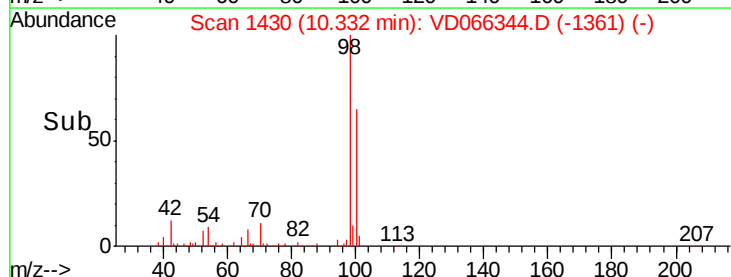
600

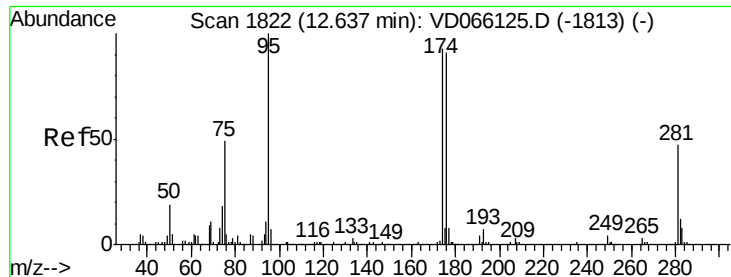
400

200

0

Time-->

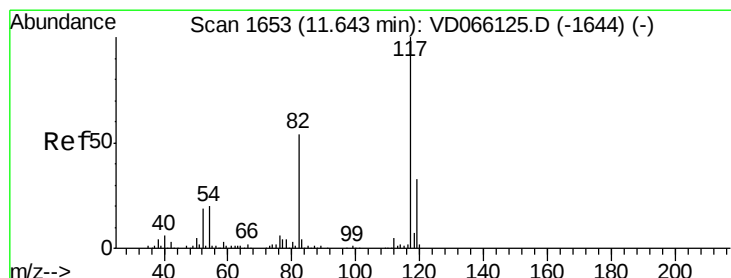
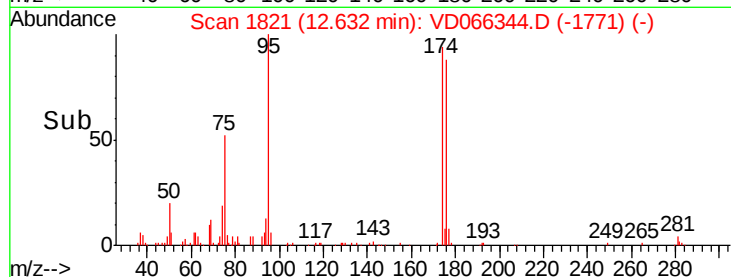
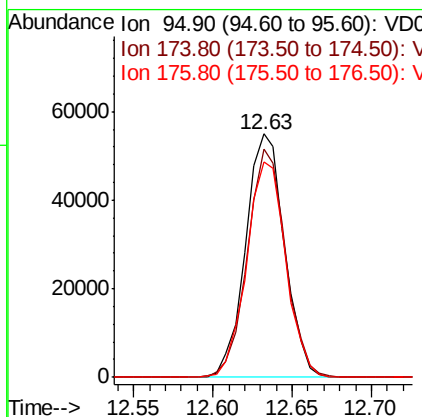
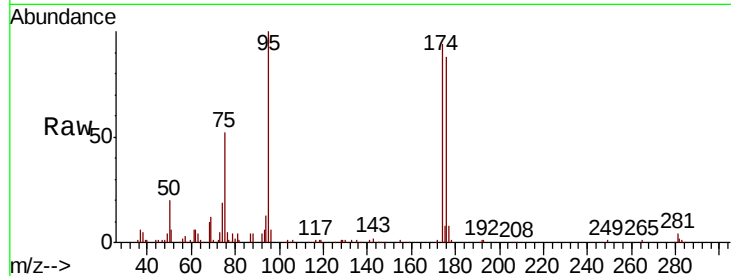




#62
4-Bromofluorobenzene
Concen: 43.260 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066344.D
Acq: 20 Aug 2020 05:00

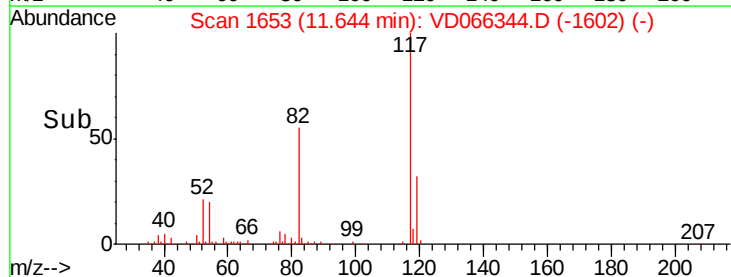
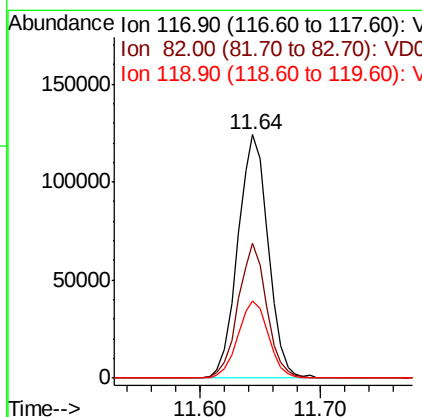
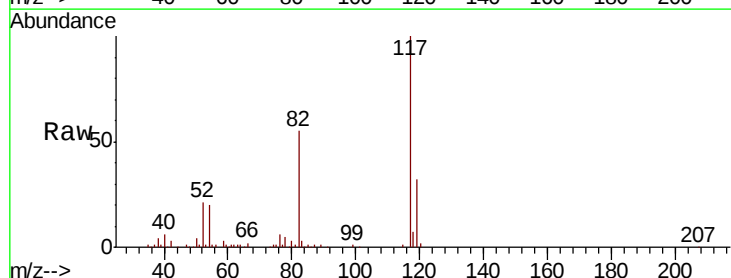
Instrument :
MSVOA_D
ClientSampleId :
BR-1

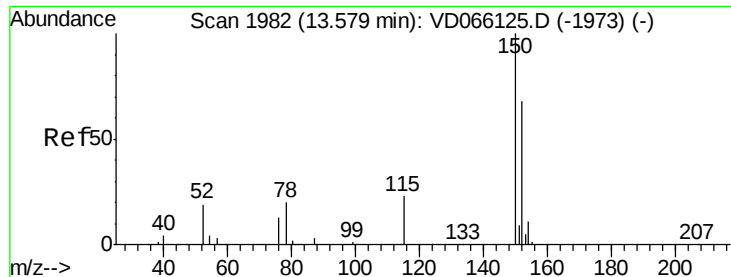
Tot Ion: 95 Resp: 93661
Ion Ratio Lower Upper
95 100
174 91.8 0.0 180.8
176 89.1 0.0 181.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066344.D
Acq: 20 Aug 2020 05:00

Tgt Ion: 117 Resp: 217275
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.4
119 31.8 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066344.D

Acq: 20 Aug 2020 05:00

Instrument :

MSVOA_D

ClientSampleId :

BR-1

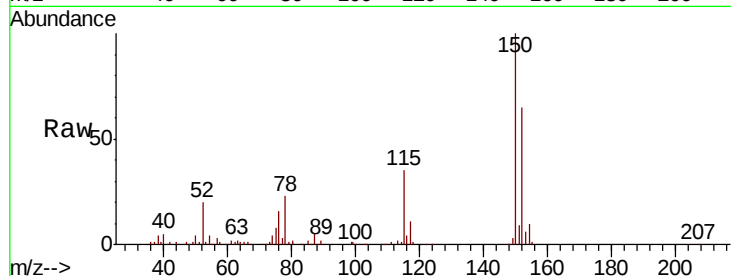
Tot Ion:152 Resp: 95309

Ion Ratio Lower Upper

152 100

115 55.4 28.0 83.9

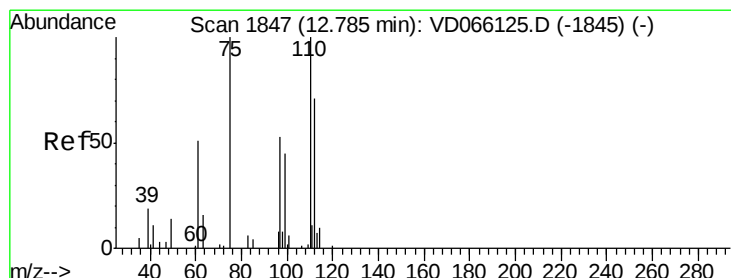
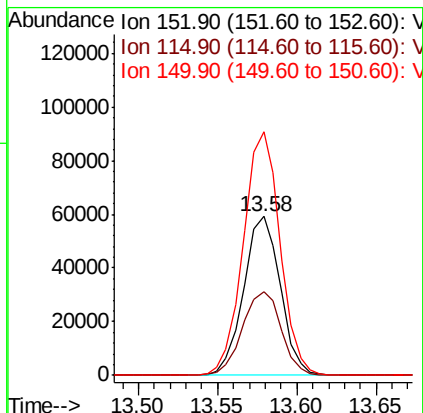
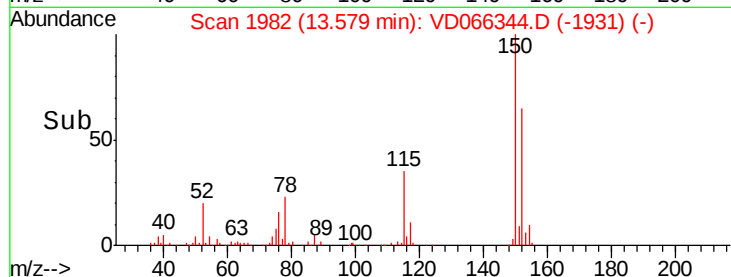
150 153.1 0.0 346.4



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: 60.375 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066344.D

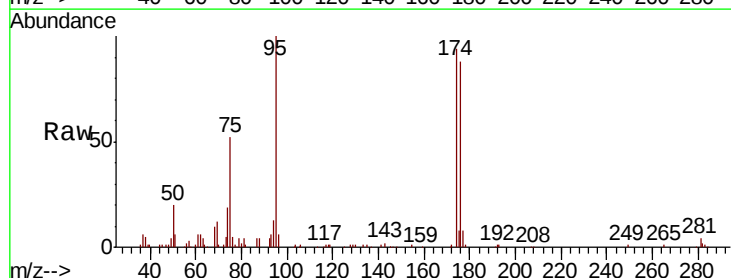
Acq: 20 Aug 2020 05:00

Tgt Ion: 75 Resp: 47987

Ion Ratio Lower Upper

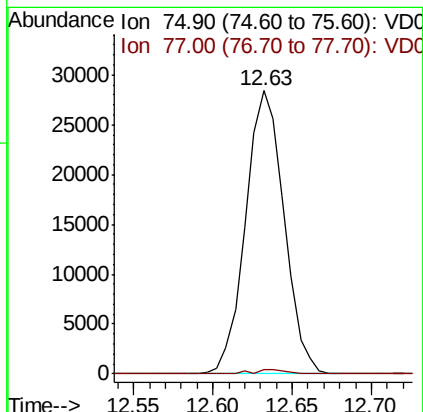
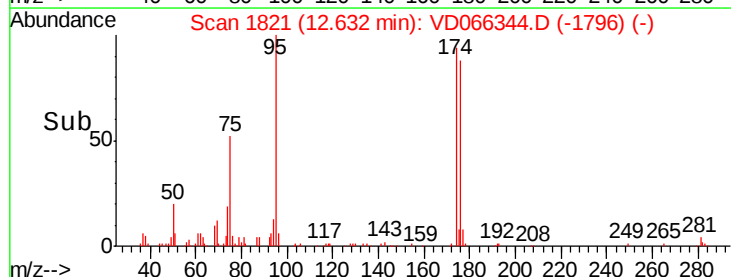
75 100

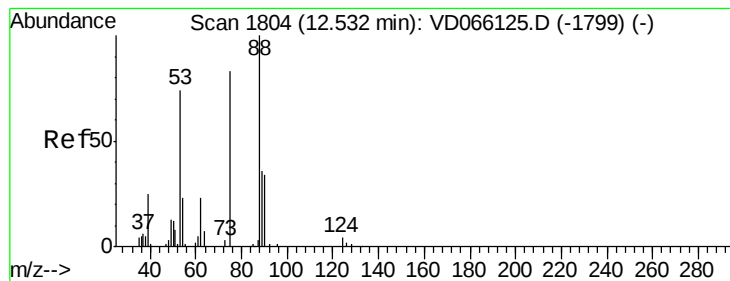
77 1.2 0.0 0.0#



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: 133.464 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066344.D

Acq: 20 Aug 2020 05:00

Instrument :

MSVOA_D

ClientSampleId :

BR-1

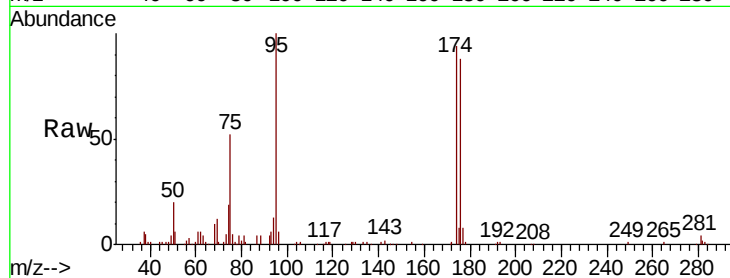
Tot Ion: 75 Resp: 47987

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 36.6 55.0#



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

