

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066481.D
 Acq On : 31 Aug 2020 14:23
 Operator : VA/SY
 Sample : L3847-04
 Misc : 4.47G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 01 01:01:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	189426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	262915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	226658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	113018	50.00	ug/l	0.00

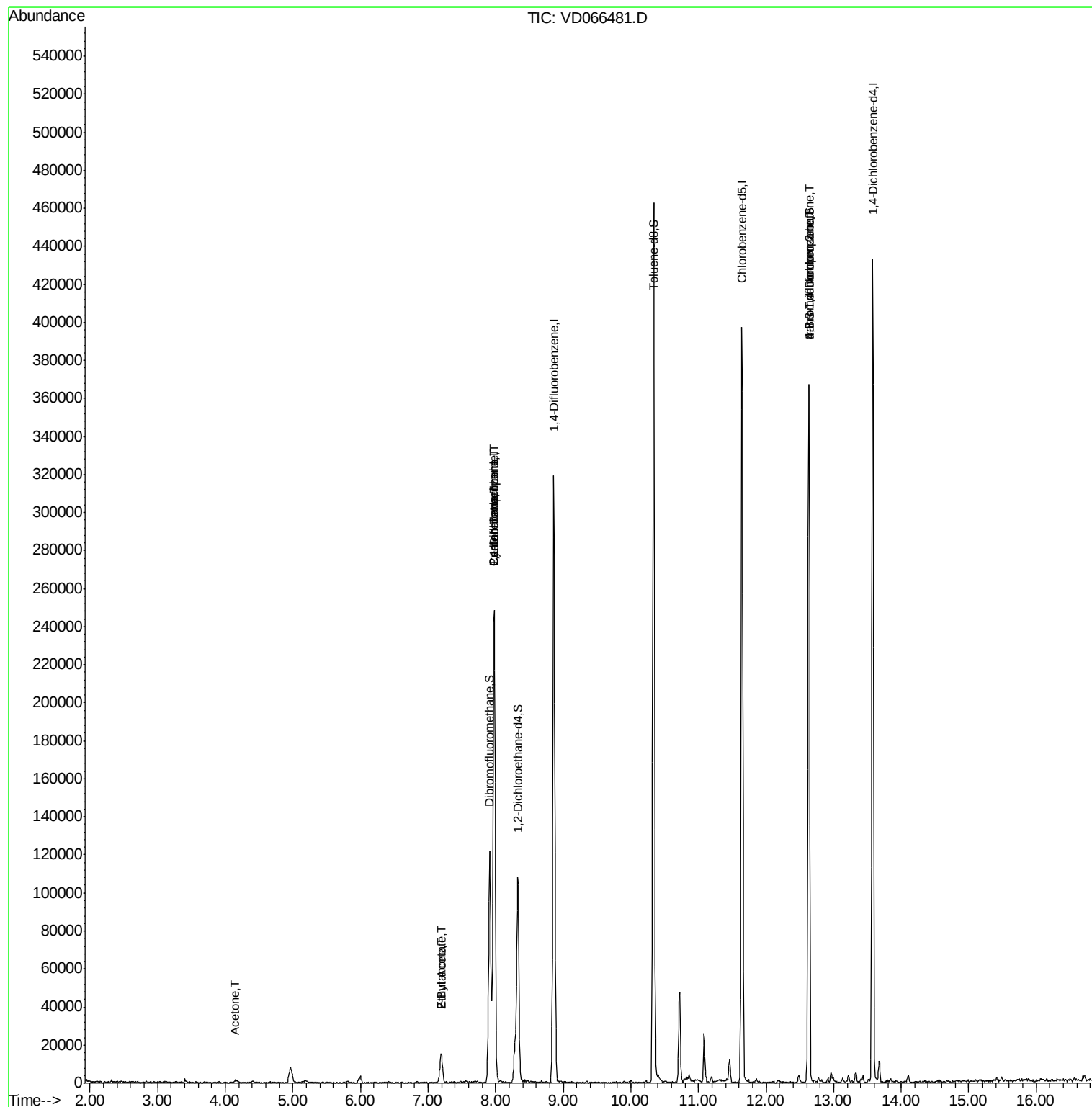
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	96426	51.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.84%	
35) Dibromofluoromethane	7.91	113	78534	47.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.54%	
50) Toluene-d8	10.34	98	299581	49.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.64	95	97332	45.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.20%	

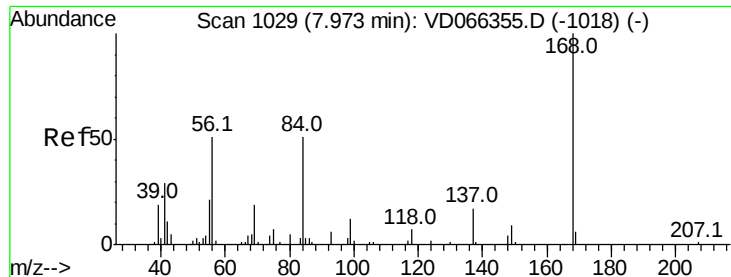
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	538	Below Cal	#	71
16) Acetone	4.15	43	3008	8.984	ug/l	100
20) Methylene Chloride	4.97	84	6676	Below Cal	#	71
25) 2-Butanone	7.20	43	1428	3.757	ug/l #	47
31) Cyclohexane	7.97	56	4478	1.737	ug/l #	12
36) 1,1-Dichloropropene	7.98	75	13592	5.666	ug/l #	52
37) Ethyl Acetate	7.20	43	1428	1.750	ug/l #	56
38) Carbon Tetrachloride	7.97	117	18999	6.079	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	60842	76.522	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	60842	162.432	ug/l #	6

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

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Misc : 4.47G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 01 01:01:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066481.D

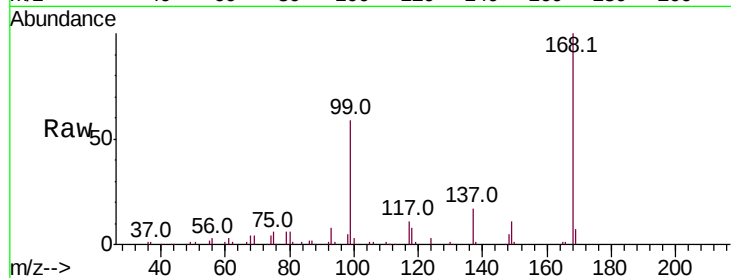
Acq: 31 Aug 2020 14:23

Tot Ion:168 Resp: 189426

Ion Ratio Lower Upper

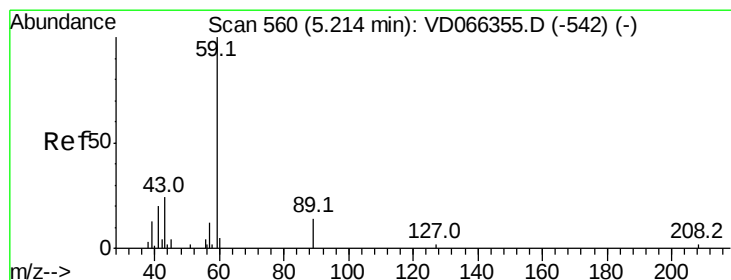
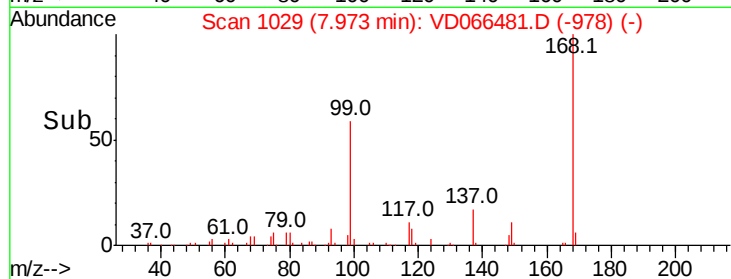
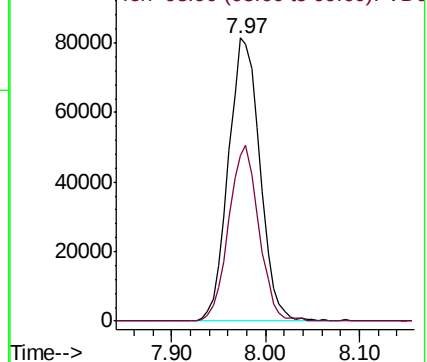
168 100

99 58.5 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD066481.D

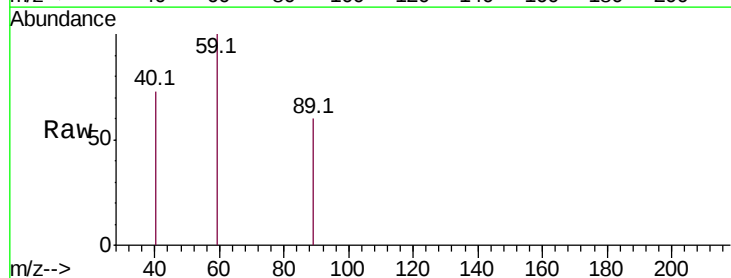
Acq: 31 Aug 2020 14:23

Tgt Ion: 59 Resp: 538

Ion Ratio Lower Upper

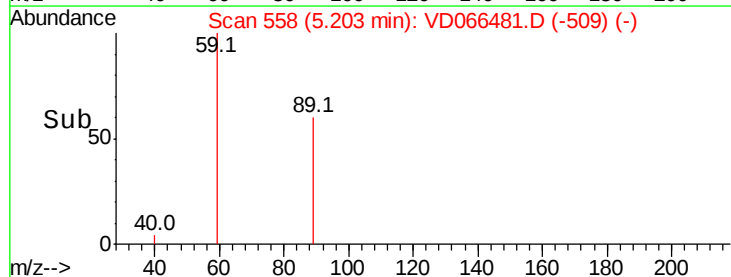
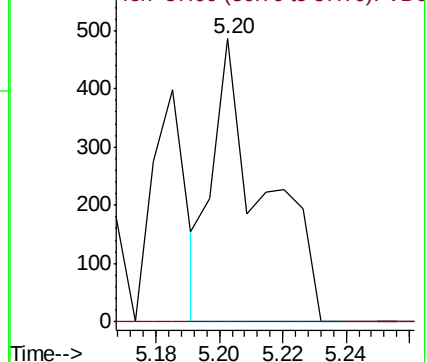
59 100

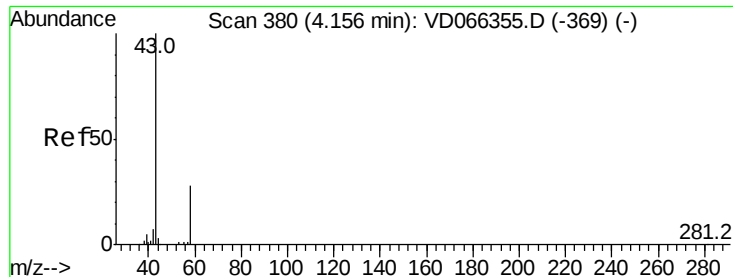
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 8.984 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066481.D

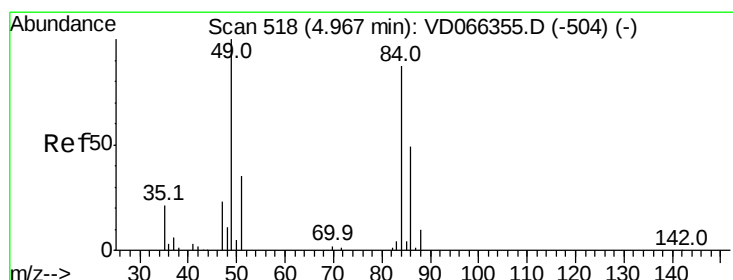
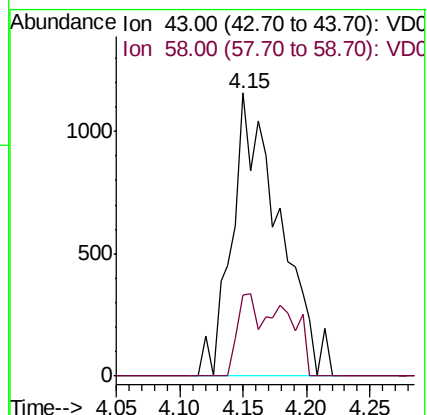
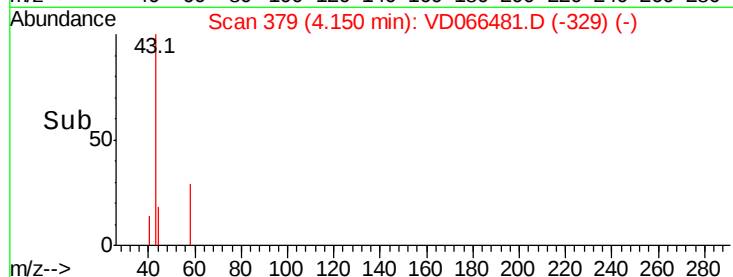
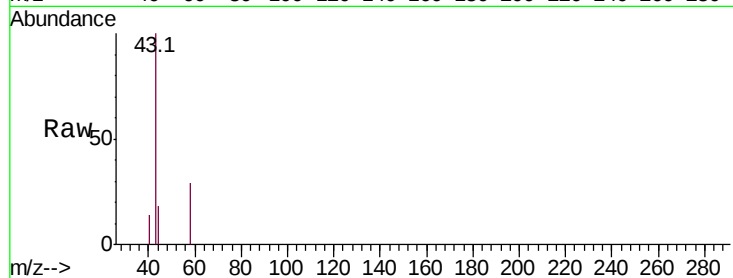
Acq: 31 Aug 2020 14:23

Tot Ion: 43 Resp: 3008

Ion Ratio Lower Upper

43 100

58 28.6 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD066481.D

Acq: 31 Aug 2020 14:23

Tgt Ion: 84 Resp: 6676

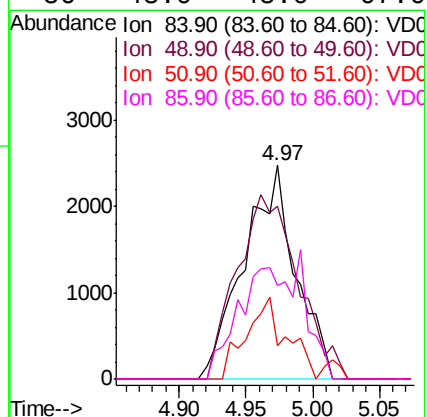
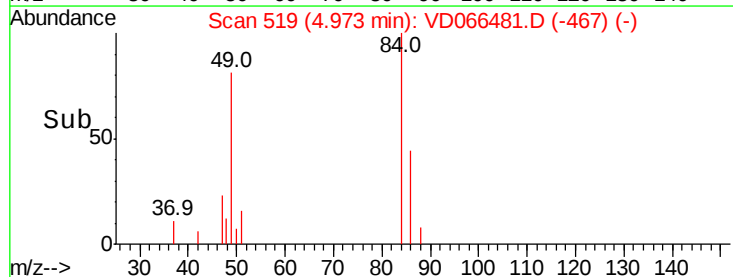
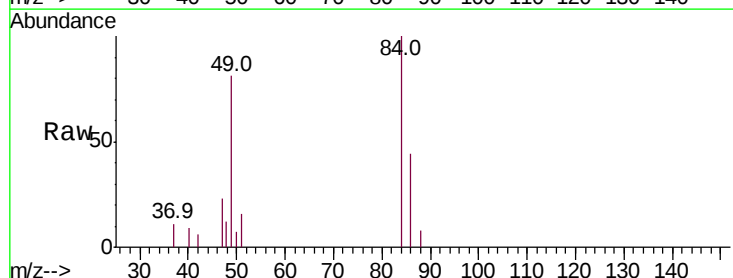
Ion Ratio Lower Upper

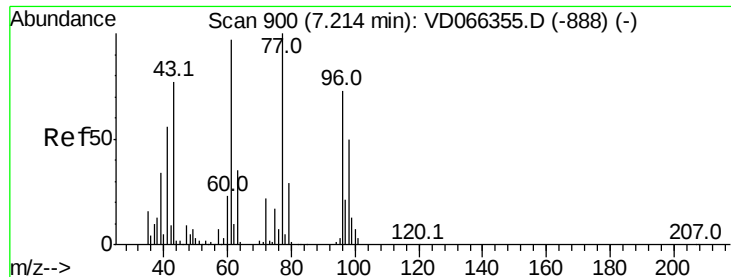
84 100

49 80.9 92.5 138.7#

51 15.7 32.5 48.7#

86 43.9 45.0 67.6#





#25

2-Butanone

Concen: 3.757 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066481.D

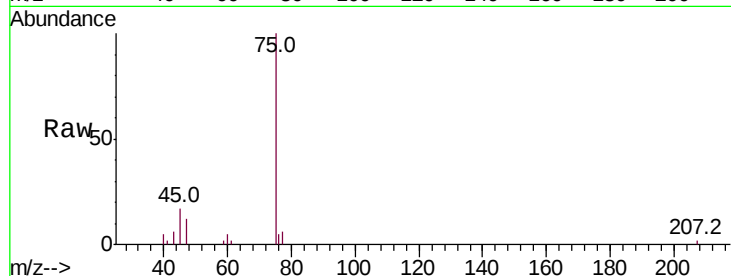
Acq: 31 Aug 2020 14:23

Tot Ion: 43 Resp: 1428

Ion Ratio Lower Upper

43 100

72 0.0 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

600

500

400

300

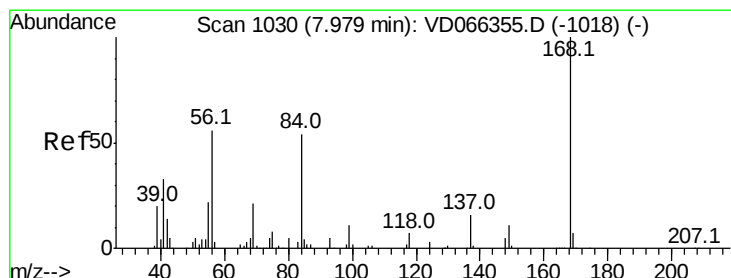
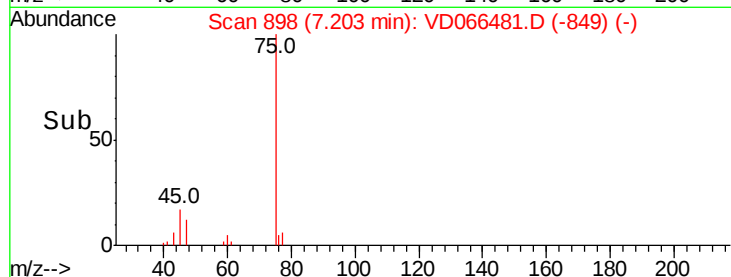
200

100

0

7.15 7.20 7.25

Time-->



#31

Cyclohexane

Concen: 1.737 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066481.D

Acq: 31 Aug 2020 14:23

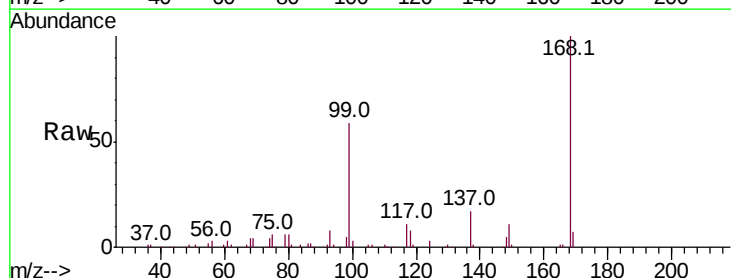
Tgt Ion: 56 Resp: 4478

Ion Ratio Lower Upper

56 100

69 132.8 29.6 44.4#

84 38.1 76.6 115.0#



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

4000

3000

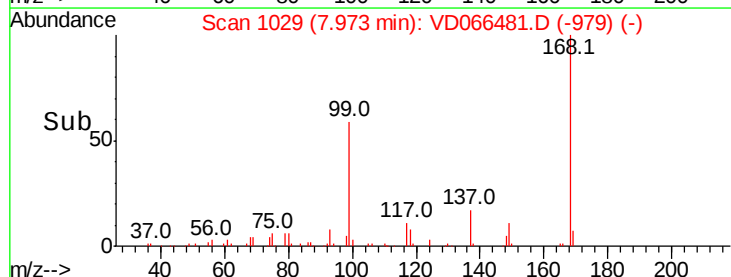
2000

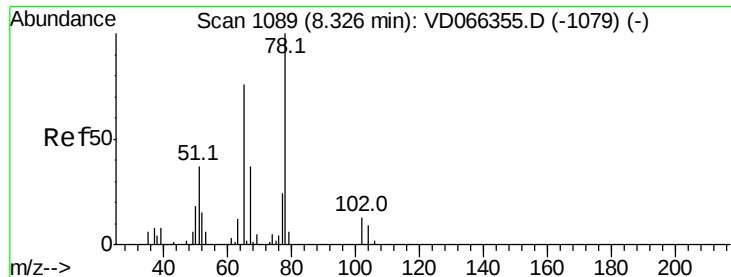
1000

0

7.90 7.95 8.00 8.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.922 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066481.D

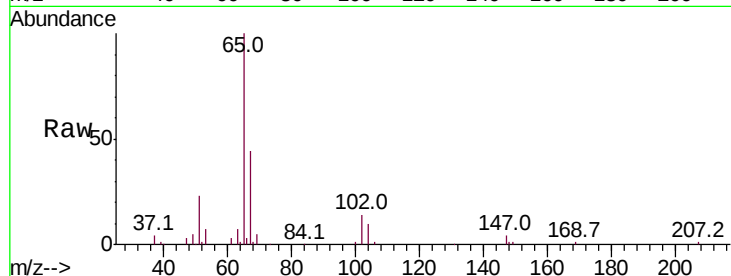
Acq: 31 Aug 2020 14:23

Tot Ion: 65 Resp: 96426

Ion Ratio Lower Upper

65 100

67 43.4 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

50000

40000

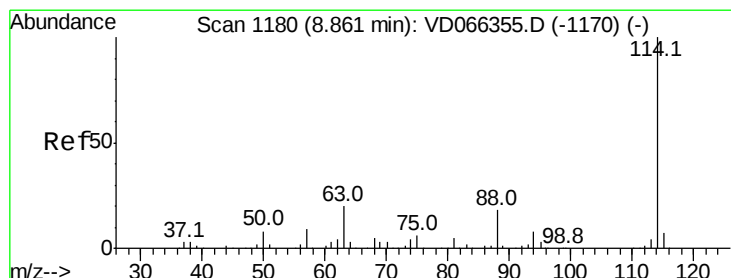
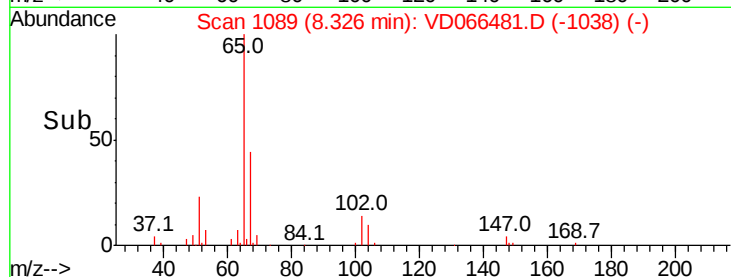
30000

20000

10000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066481.D

Acq: 31 Aug 2020 14:23

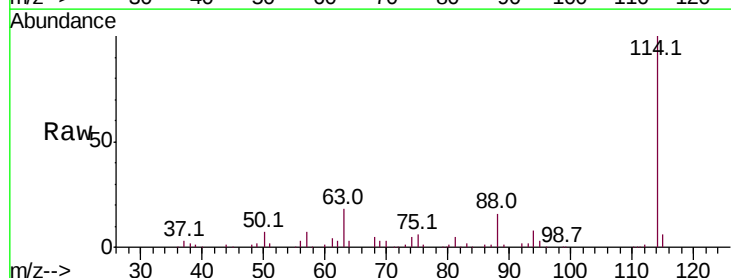
Tgt Ion: 114 Resp: 262915

Ion Ratio Lower Upper

114 100

63 17.6 0.0 40.8

88 15.8 0.0 35.4



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

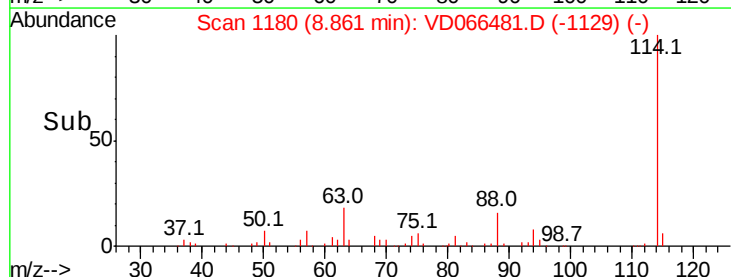
150000

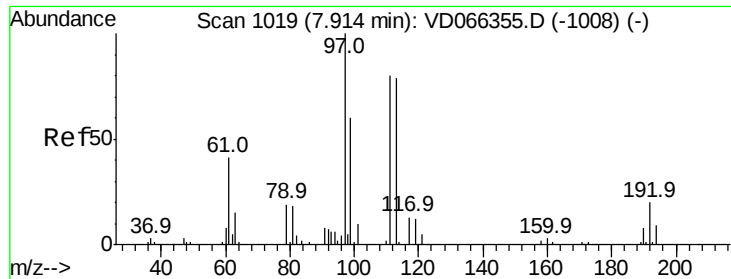
100000

50000

0

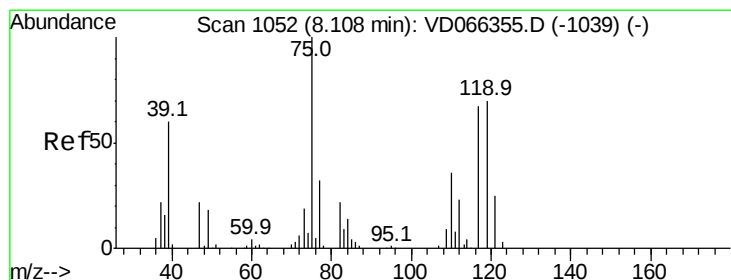
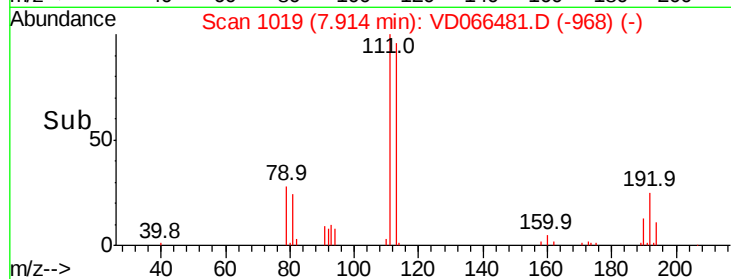
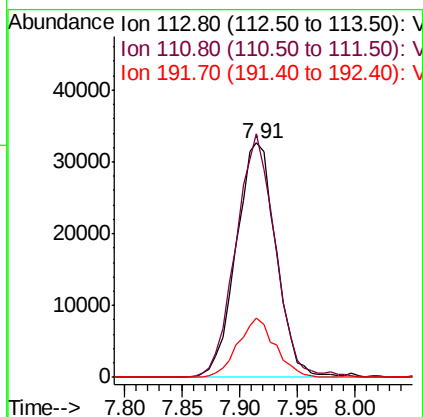
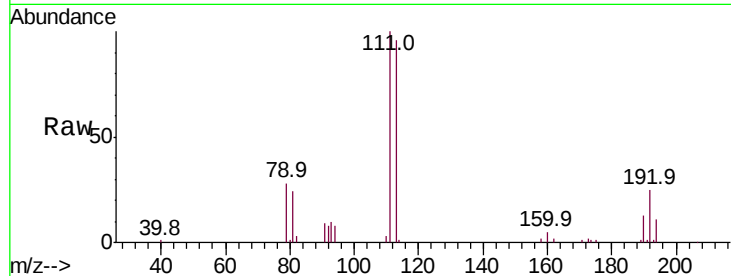
Time--> 8.80 8.90 9.00





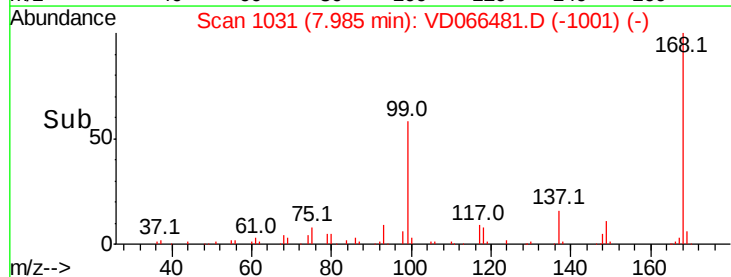
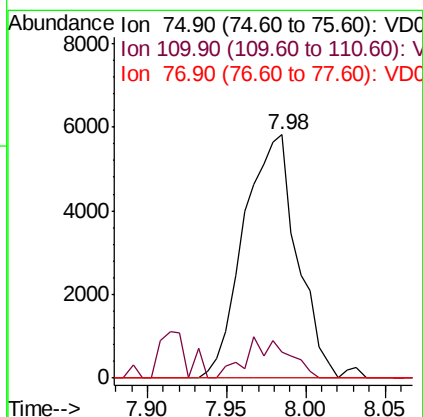
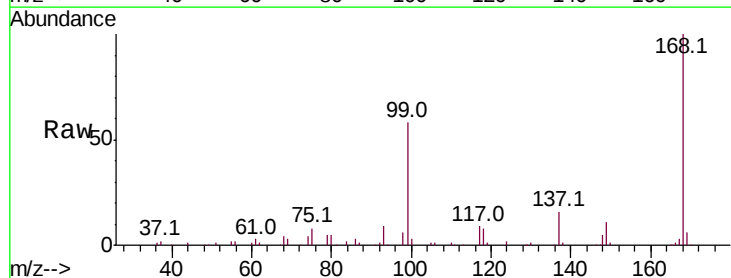
#35
 Dibromofluoromethane
 Concen: 47.769 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066481.D
 Acq: 31 Aug 2020 14:23

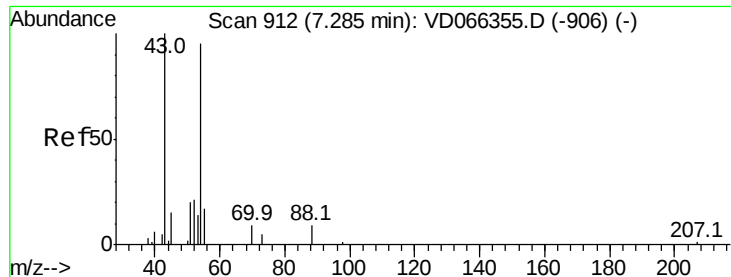
Tot Ion:113 Resp: 78534
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.3 120.5
 192 23.7 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 5.666 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD066481.D
 Acq: 31 Aug 2020 14:23

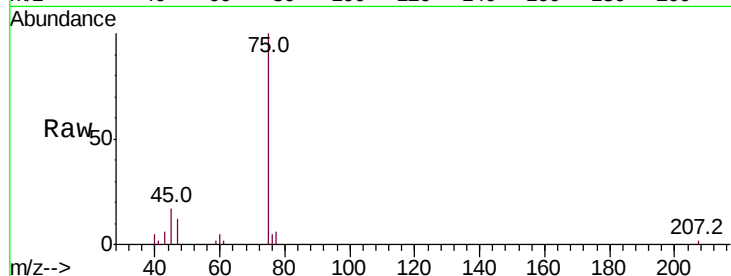
Tgt Ion: 75 Resp: 13592
 Ion Ratio Lower Upper
 75 100
 110 13.2 18.7 56.1#
 77 0.0 25.2 37.8#



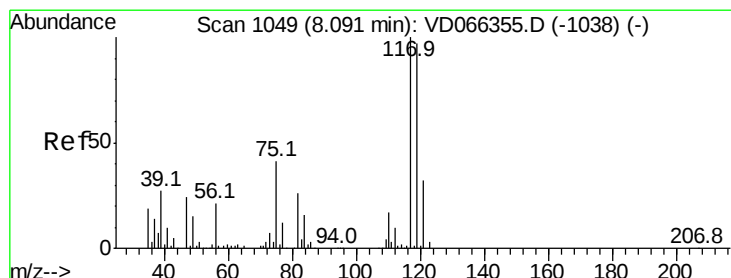
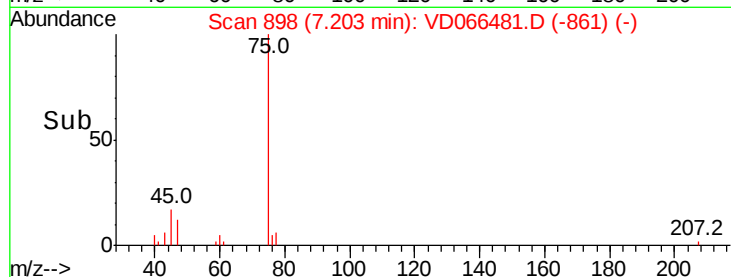
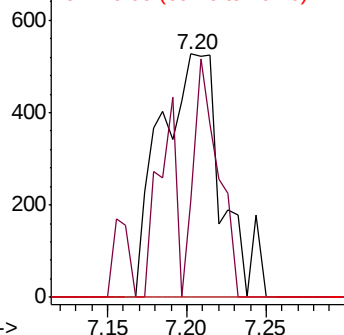


#37
Ethyl Acetate
Concen: 1.750 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.08 min
Lab File: VD066481.D
Acq: 31 Aug 2020 14:23

Tot Ion	Ratio	Lower	Upper
43	100		
61	39.0	13.3	19.9#
70	0.0	3.5	5.3#

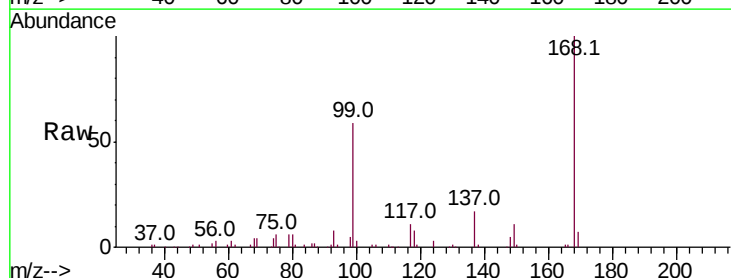


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

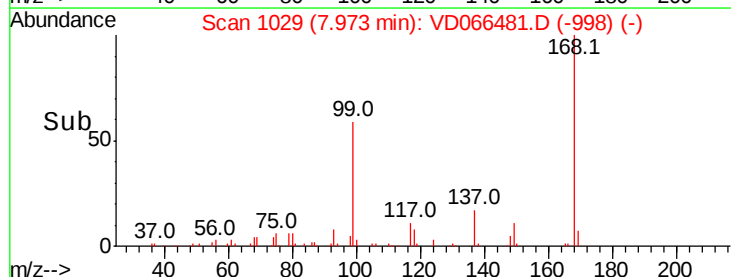
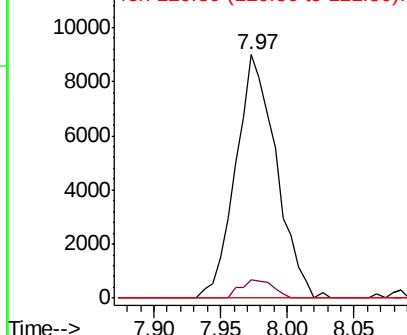


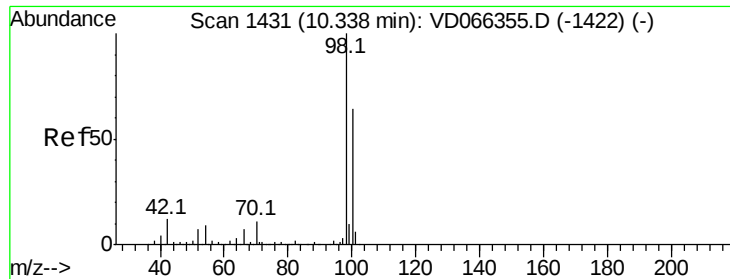
#38
Carbon Tetrachloride
Concen: 6.079 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066481.D
Acq: 31 Aug 2020 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.4	77.2	115.8#
121	0.0	25.8	38.8#



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: 49.803 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066481.D

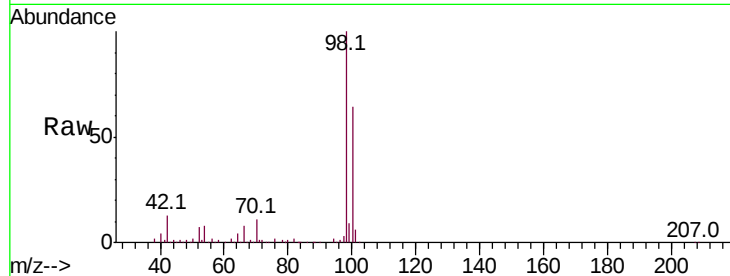
Acq: 31 Aug 2020 14:23

Tot Ion: 98 Resp: 299581

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

200000

150000

100000

50000

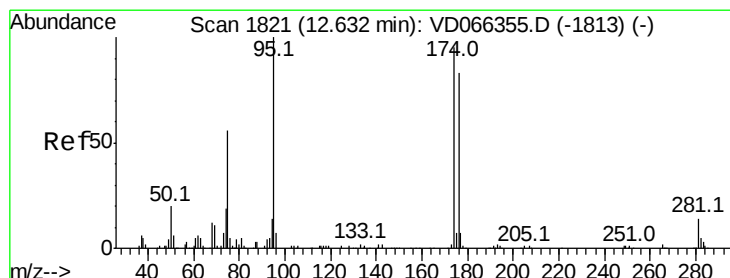
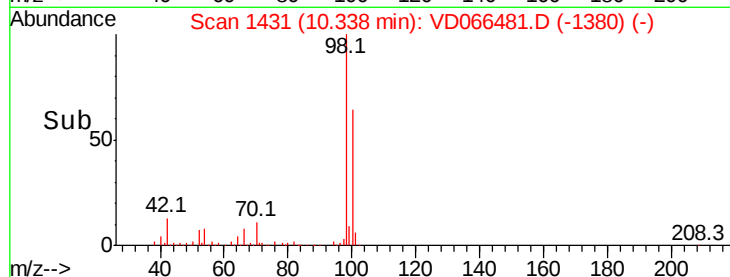
0

10.30

10.34

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 45.600 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD066481.D

Acq: 31 Aug 2020 14:23

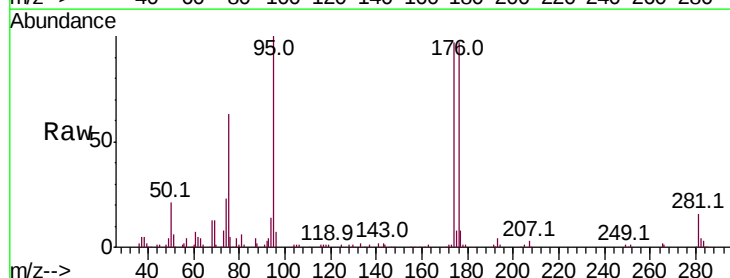
Tgt Ion: 95 Resp: 97332

Ion Ratio Lower Upper

95 100

174 98.4 0.0 183.4

176 96.7 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

80000

60000

40000

20000

0

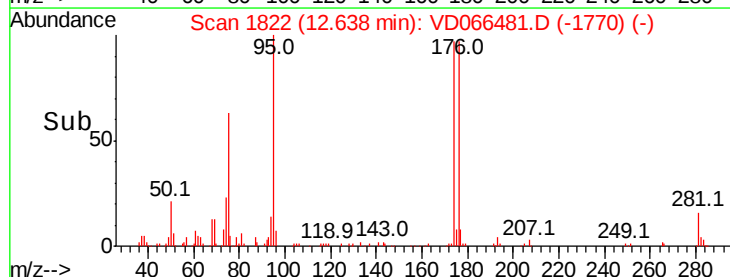
12.55

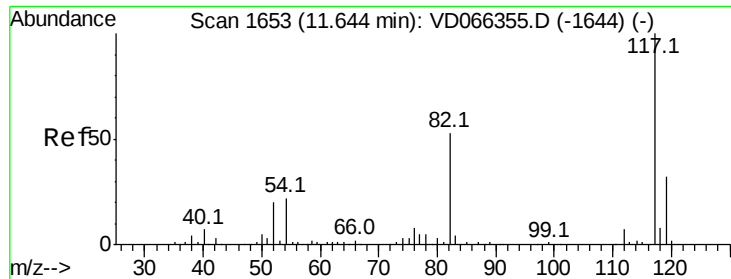
12.60

12.64

12.70

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066481.D

Acq: 31 Aug 2020 14:23

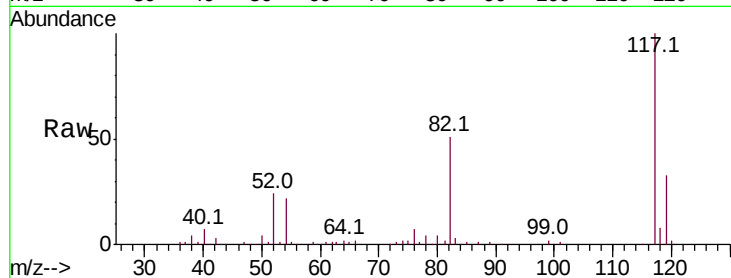
Tot Ion:117 Resp: 226658

Ion Ratio Lower Upper

117 100

82 50.7 42.8 64.2

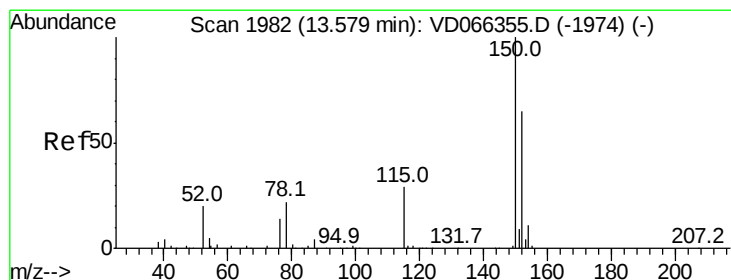
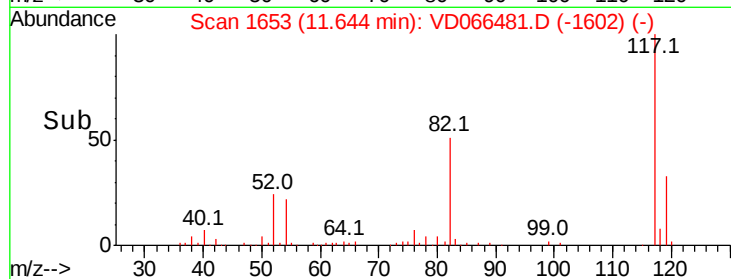
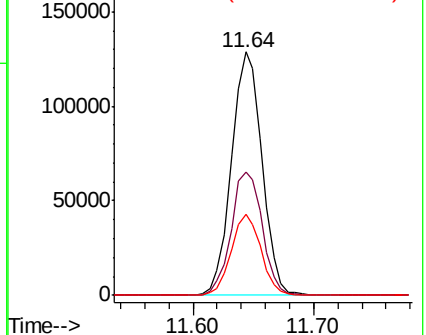
119 33.1 25.8 38.8



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: VD066481.D

Acq: 31 Aug 2020 14:23

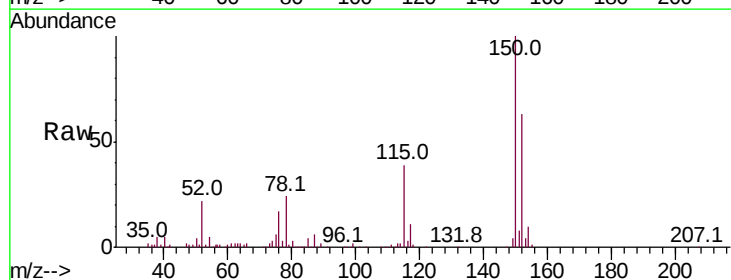
Tgt Ion:152 Resp: 113018

Ion Ratio Lower Upper

152 100

115 58.6 28.3 85.0

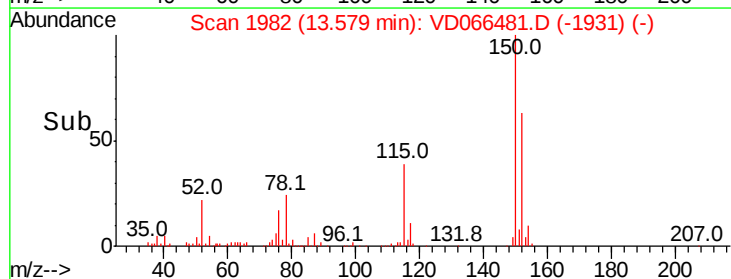
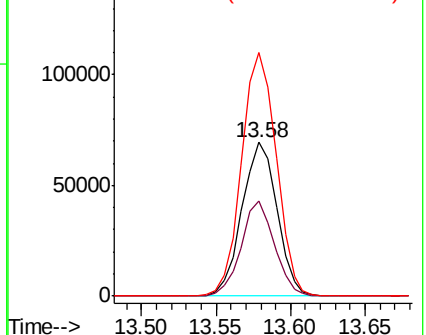
150 156.7 0.0 343.2

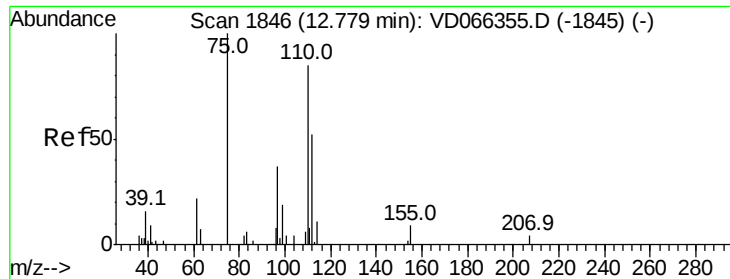


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 76.522 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.14 min

Lab File: VD066481.D

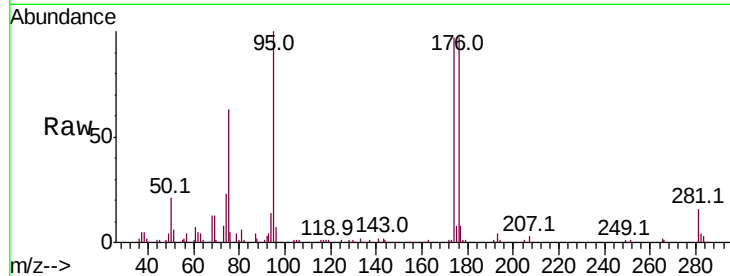
Acq: 31 Aug 2020 14:23

Tot Ion: 75 Resp: 60842

Ion Ratio Lower Upper

75 100

77 1.3 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

40000

30000

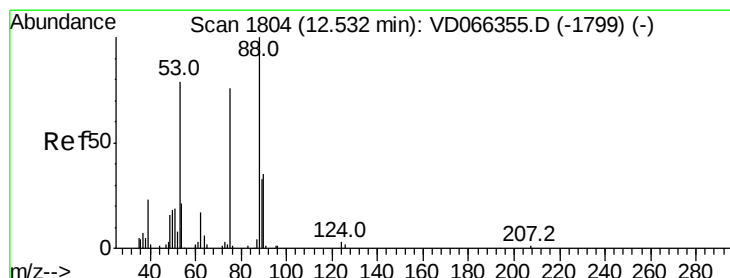
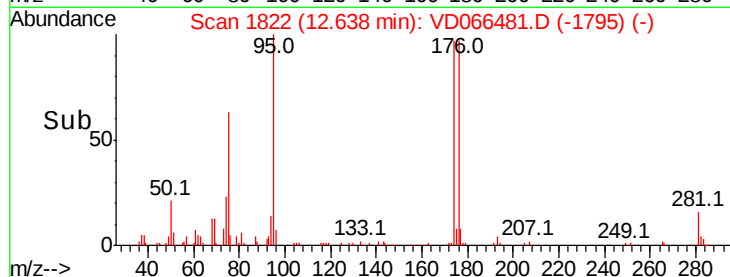
20000

10000

0

12.55 12.60 12.65 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 162.432 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066481.D

Acq: 31 Aug 2020 14:23

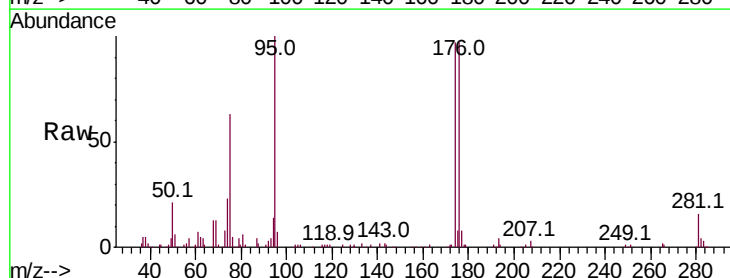
Tgt Ion: 75 Resp: 60842

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.0 39.4 59.0#



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

12.64

50000

40000

30000

20000

10000

0

12.55 12.60 12.65 12.70

Time-->

