

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066483.D
 Acq On : 31 Aug 2020 15:17
 Operator : VA/SY
 Sample : L3847-08
 Misc : 4.48G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 01 01:02:06 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	7.98	168	181609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	250484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	229779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120672	50.00	ug/l	0.00

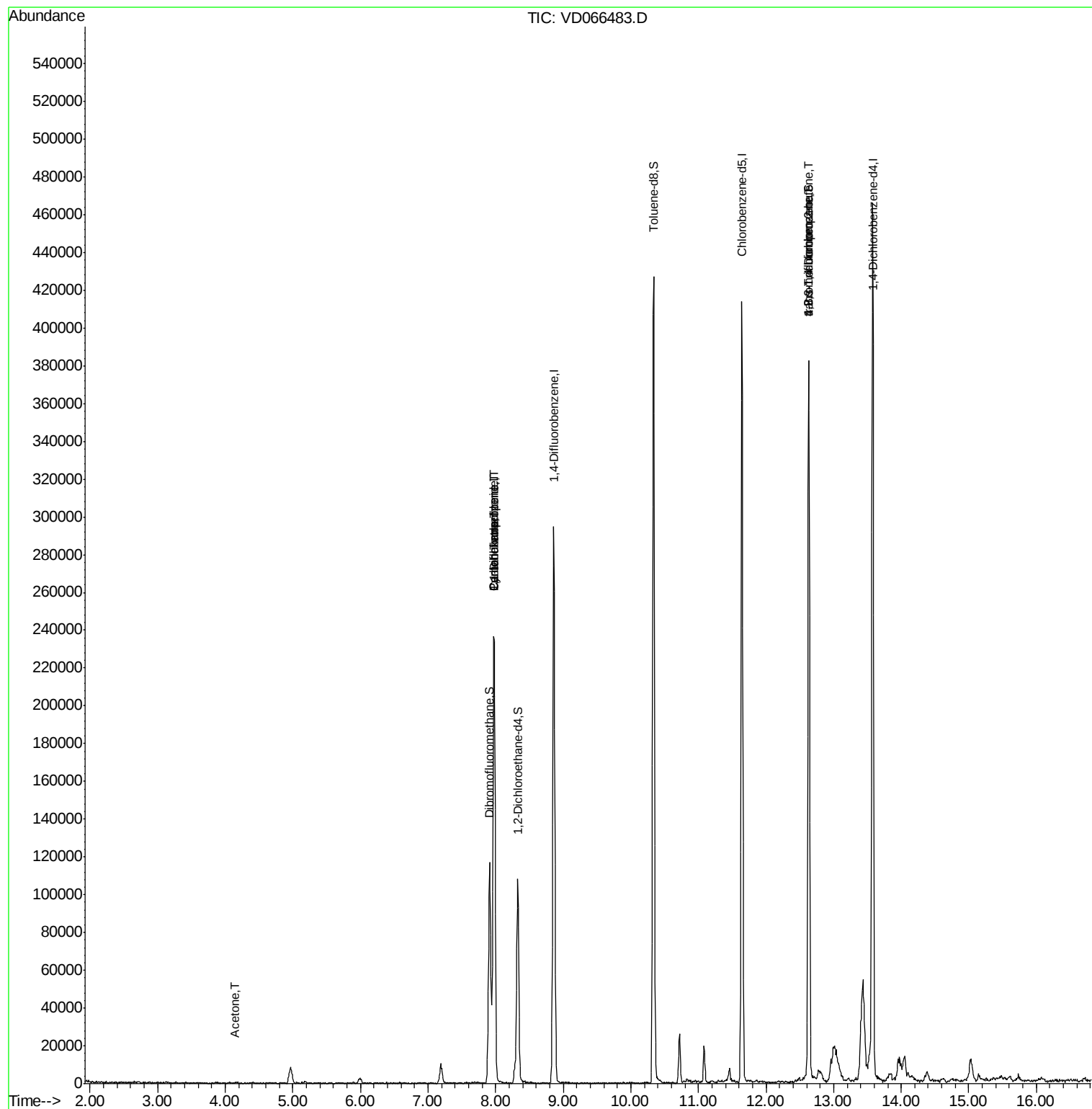
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	94961	53.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.66%	
35) Dibromofluoromethane	7.91	113	76920	49.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.22%	
50) Toluene-d8	10.34	98	288555	50.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.63	95	100703	49.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.04%	

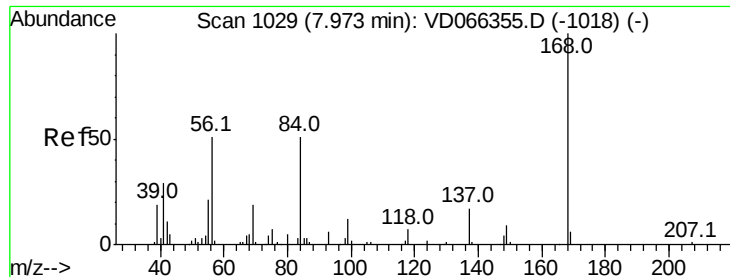
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	451	Below Cal	#	71
16) Acetone	4.15	43	341	1.062	ug/l #	46
20) Methylene Chloride	4.96	84	6640	Below Cal	#	89
31) Cyclohexane	7.97	56	4121	1.667	ug/l #	11
36) 1,1-Dichloropropene	7.98	75	11803	5.164	ug/l #	50
38) Carbon Tetrachloride	7.97	117	19296	6.480	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	63035	74.252	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	63035	157.613	ug/l #	6

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

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ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 01 01:02:06 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: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066483.D

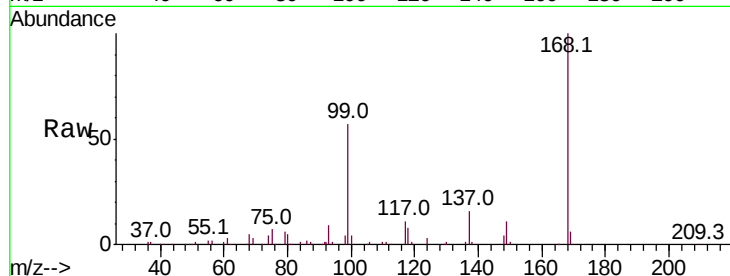
Acq: 31 Aug 2020 15:17

Tot Ion:168 Resp: 181609

Ion Ratio Lower Upper

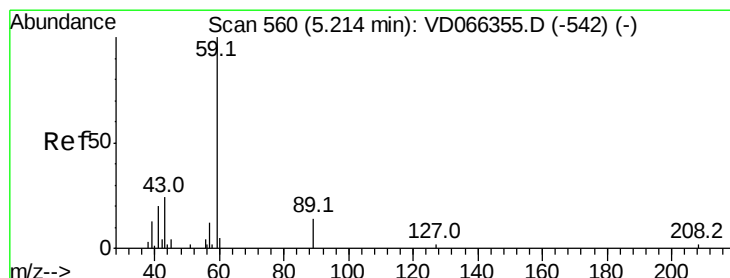
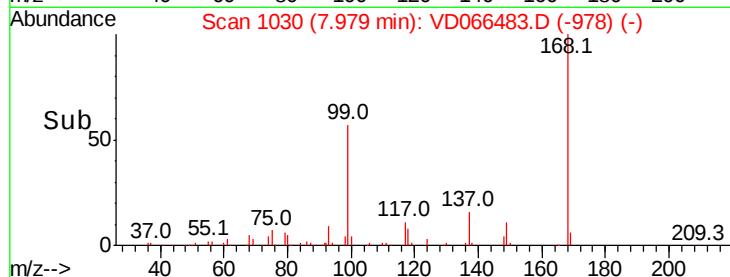
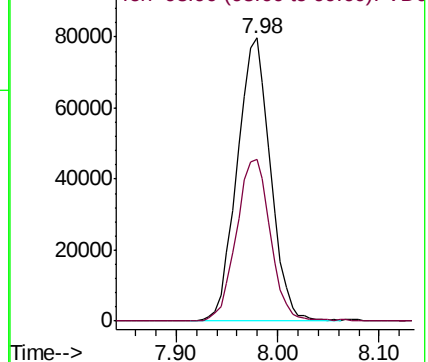
168 100

99 57.2 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: 5.19 min Scan# 555

Delta R.T. -0.03 min

Lab File: VD066483.D

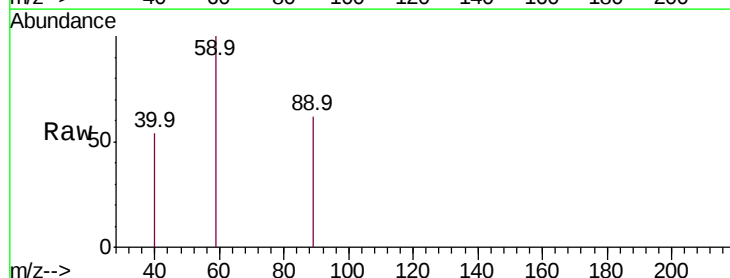
Acq: 31 Aug 2020 15:17

Tgt Ion: 59 Resp: 451

Ion Ratio Lower Upper

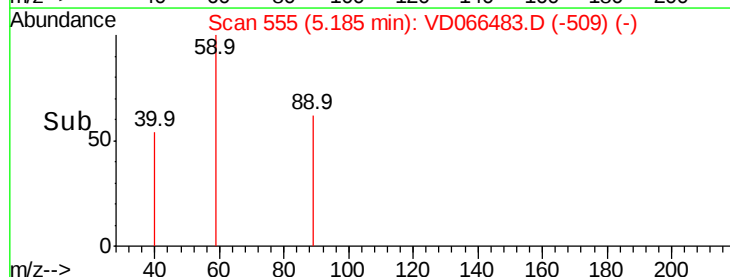
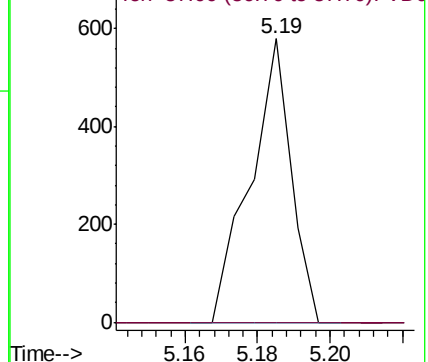
59 100

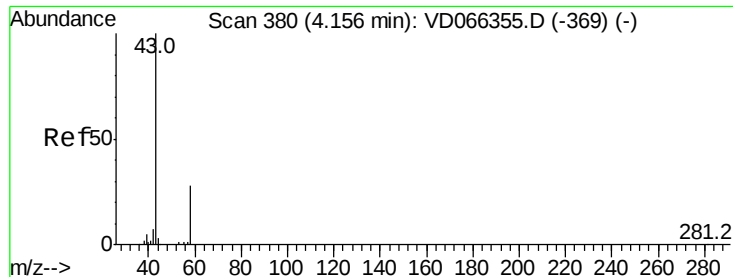
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.062 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066483.D

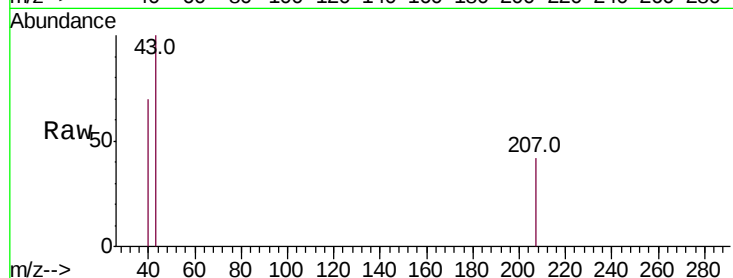
Acq: 31 Aug 2020 15:17

Tot Ion: 43 Resp: 341

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

600

500

400

300

200

100

0

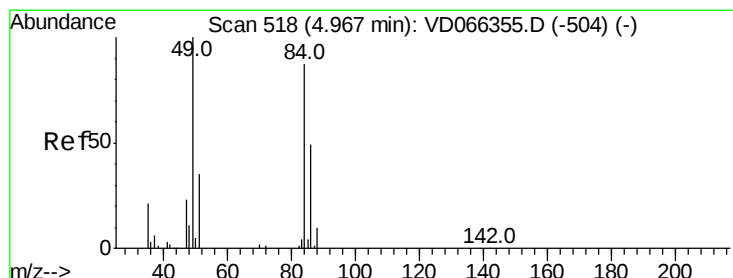
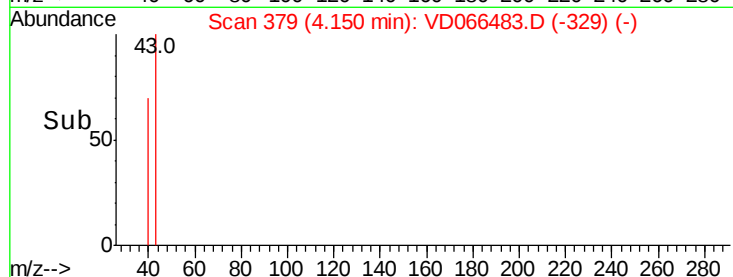
4.12

4.14

4.15

4.16

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066483.D

Acq: 31 Aug 2020 15:17

Tgt Ion: 84 Resp: 6640

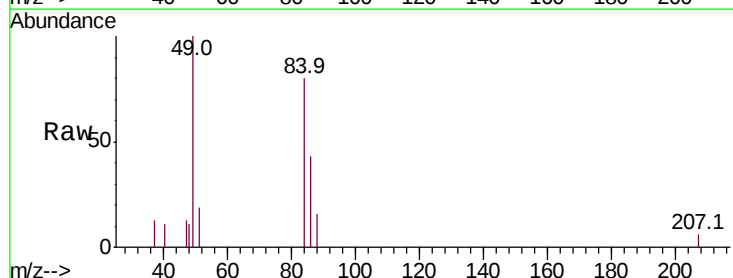
Ion Ratio Lower Upper

84 100

49 125.6 92.5 138.7

51 23.4 32.5 48.7#

86 53.5 45.0 67.6



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

4000

3000

2000

1000

0

4.85

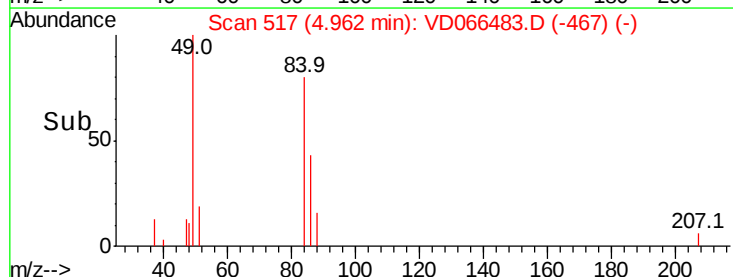
4.90

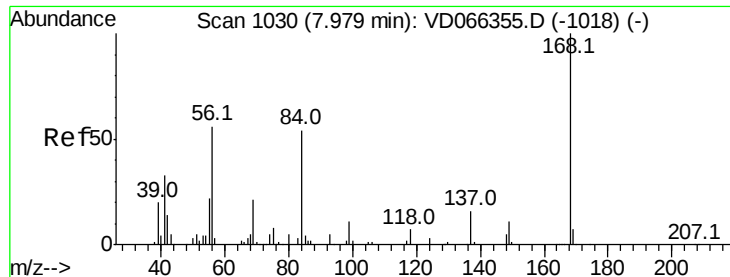
4.95

5.00

5.05

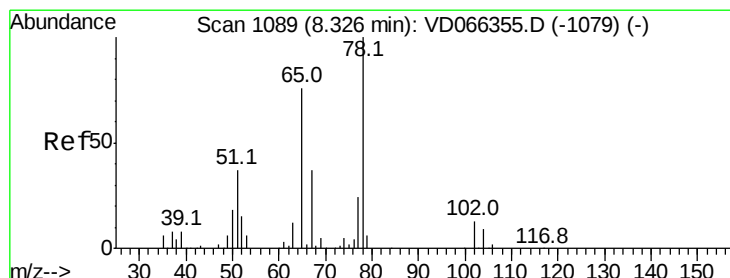
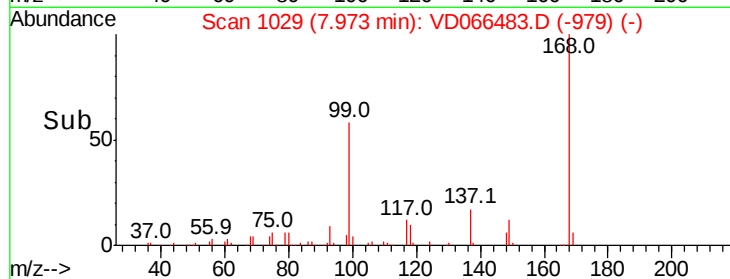
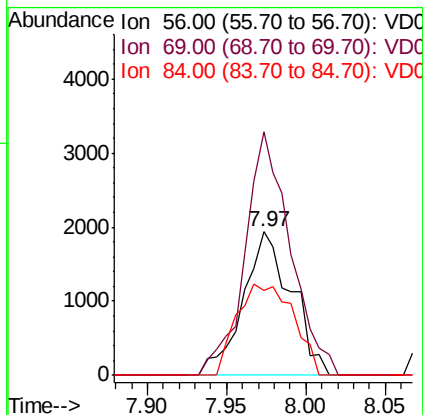
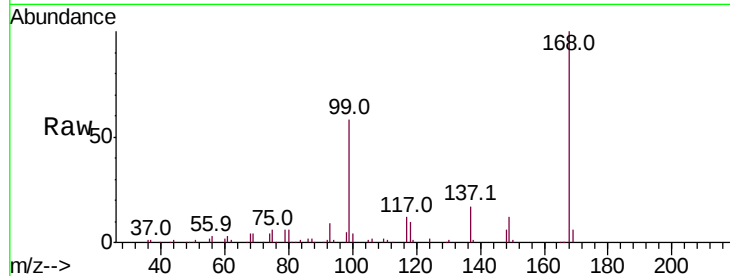
Time-->





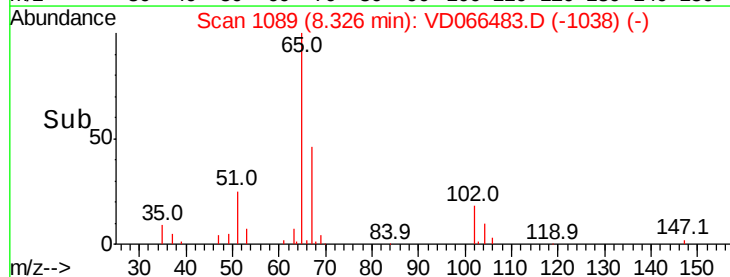
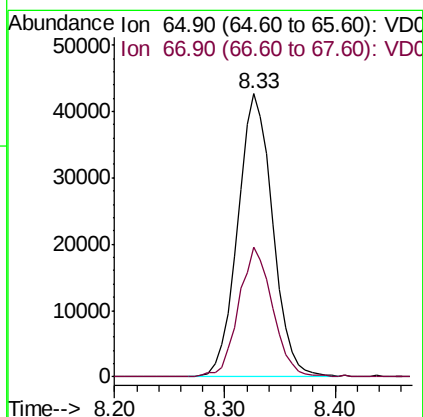
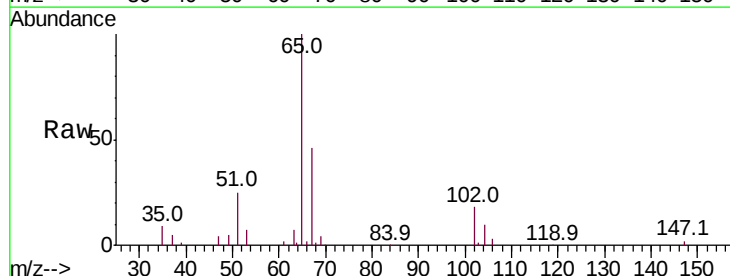
#31
Cyclohexane
Concen: 1.667 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066483.D
Acq: 31 Aug 2020 15:17

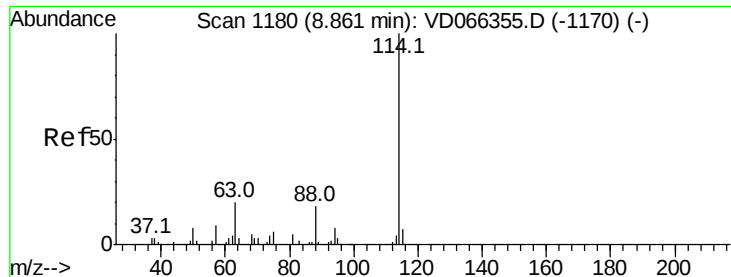
Tot Ion: 56 Resp: 4121
Ion Ratio Lower Upper
56 100
69 169.8 29.6 44.4#
84 58.9 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 53.334 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066483.D
Acq: 31 Aug 2020 15:17

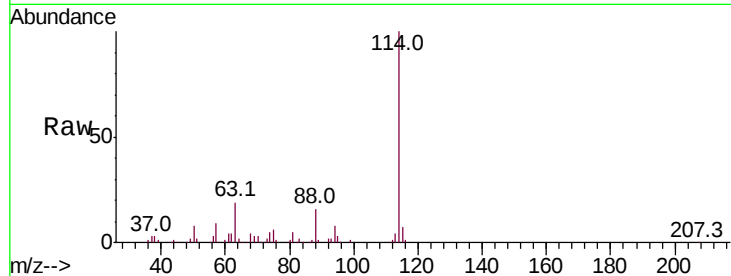
Tgt Ion: 65 Resp: 94961
Ion Ratio Lower Upper
65 100
67 44.6 0.0 101.6



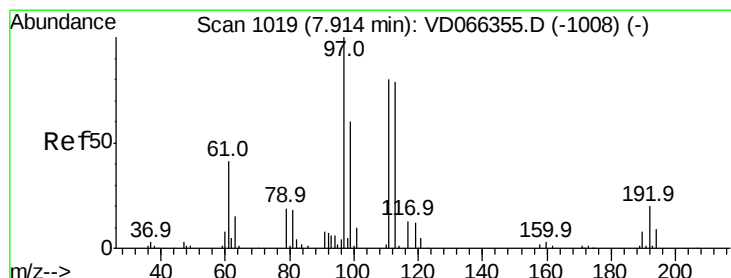
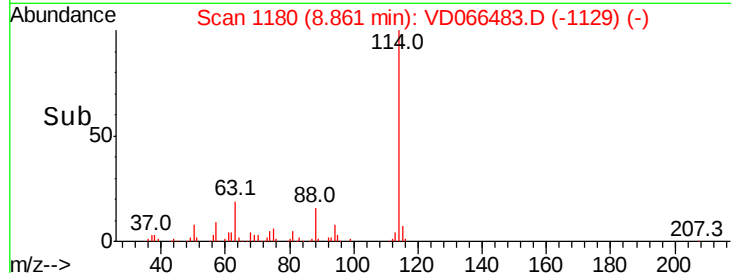
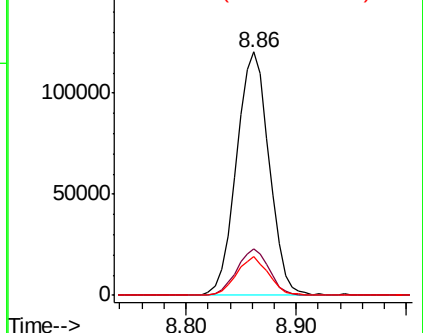


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066483.D
 Acq: 31 Aug 2020 15:17

Tot Ion	114	Resp: Lower	250484 Upper
	Ratio		
114	100		
63	19.1	0.0	40.8
88	15.9	0.0	35.4

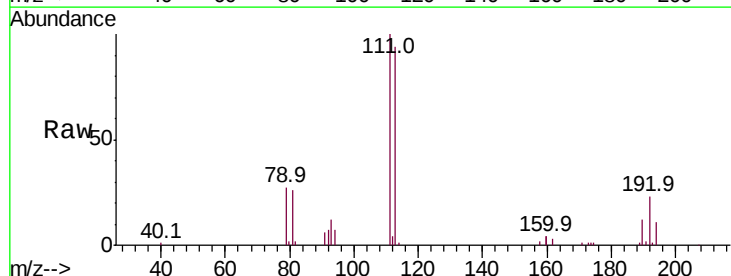


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

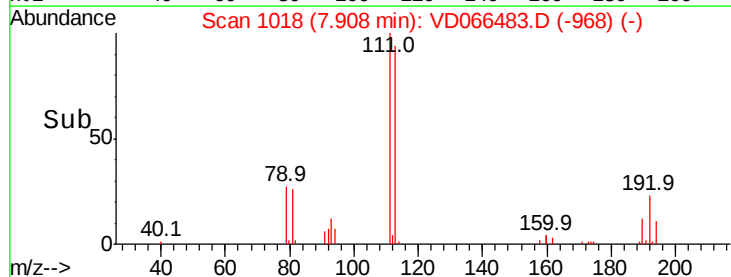
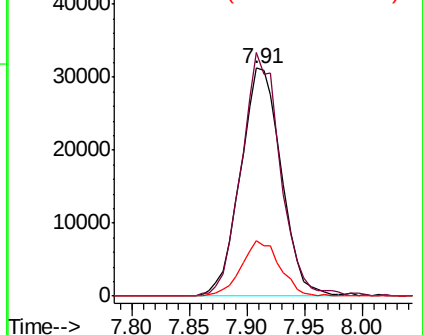


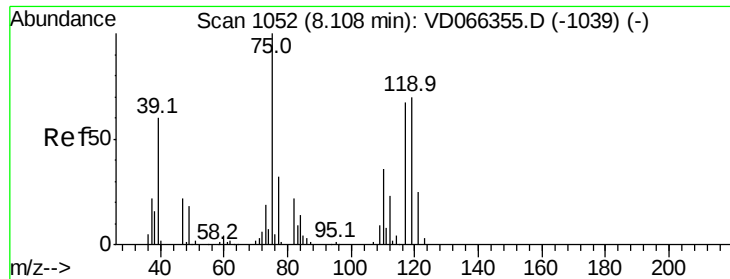
#35
 Dibromofluoromethane
 Concen: 49.109 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066483.D
 Acq: 31 Aug 2020 15:17

Tgt Ion:113	Resp:	76920	
Ion Ratio	Lower	Upper	
113 100			
111 102.6	80.3	120.5	
192 22.9	19.0	28.6	



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: 5.164 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066483.D

Acq: 31 Aug 2020 15:17

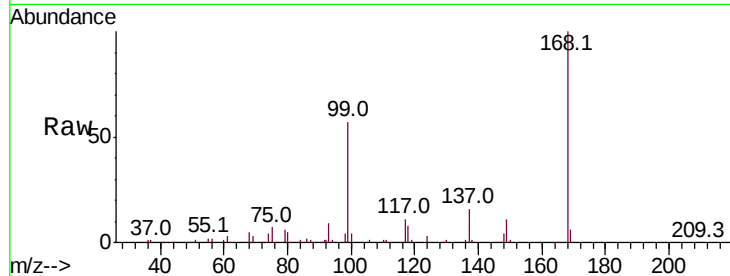
Tot Ion: 75 Resp: 11803

Ion Ratio Lower Upper

75 100

110 10.4 18.7 56.1#

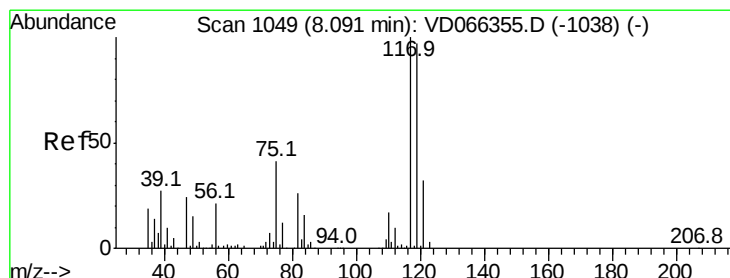
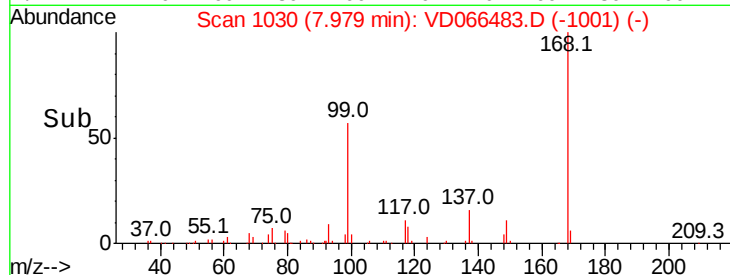
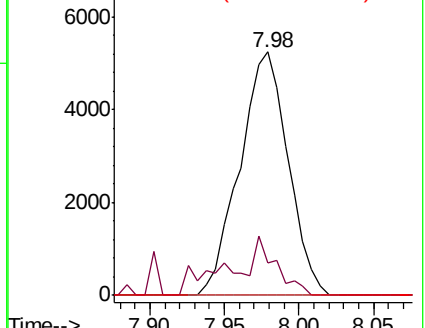
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VD066355.D (-1039) (-)

Ion 109.90 (109.60 to 110.60): VD066355.D (-1039) (-)

Ion 76.90 (76.60 to 77.60): VD066355.D (-1039) (-)



#38

Carbon Tetrachloride

Concen: 6.480 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066483.D

Acq: 31 Aug 2020 15:17

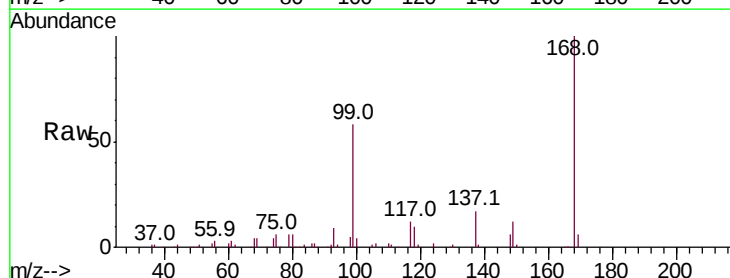
Tgt Ion: 117 Resp: 19296

Ion Ratio Lower Upper

117 100

119 6.3 77.2 115.8#

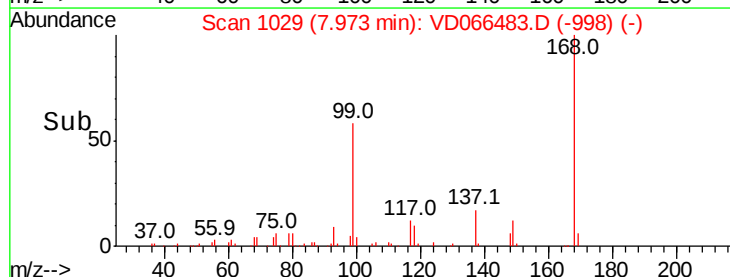
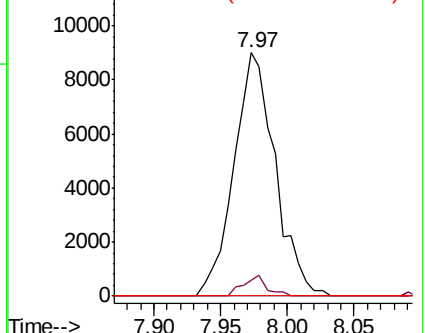
121 0.0 25.8 38.8#

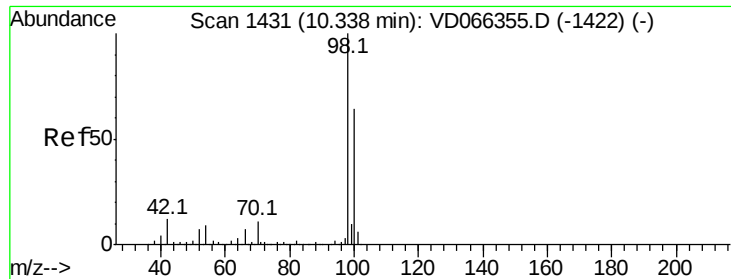


Abundance Ion 116.80 (116.50 to 117.50): VD066355.D (-1038) (-)

Ion 118.80 (118.50 to 119.50): VD066355.D (-1038) (-)

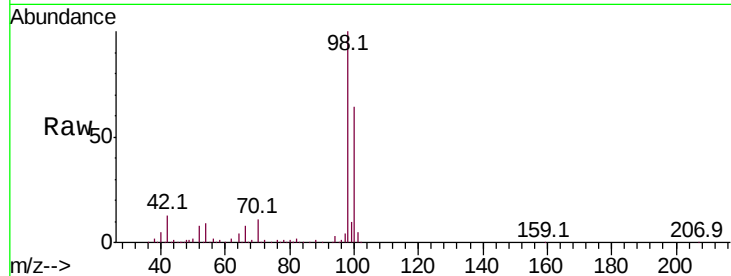
Ion 120.80 (120.50 to 121.50): VD066355.D (-1038) (-)



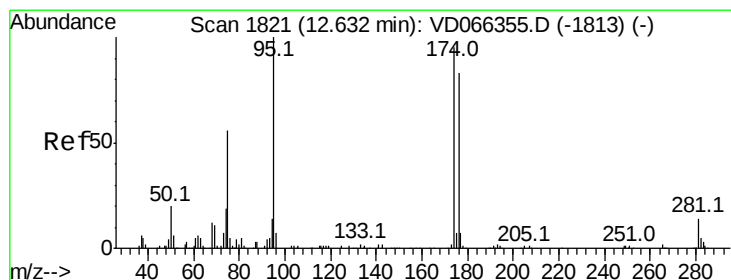
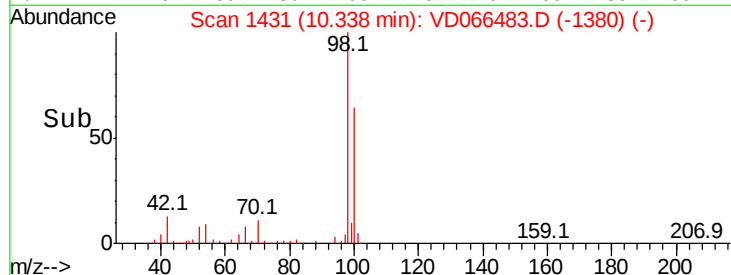
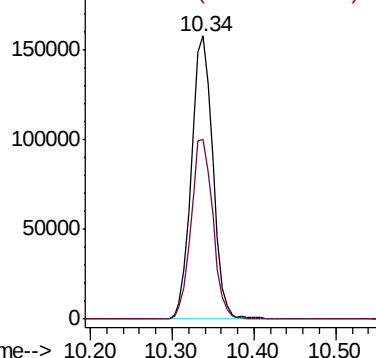


#50
Toluene-d8
Concen: 50.351 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066483.D
Acq: 31 Aug 2020 15:17

Tot Ion: 98 Resp: 288555
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4

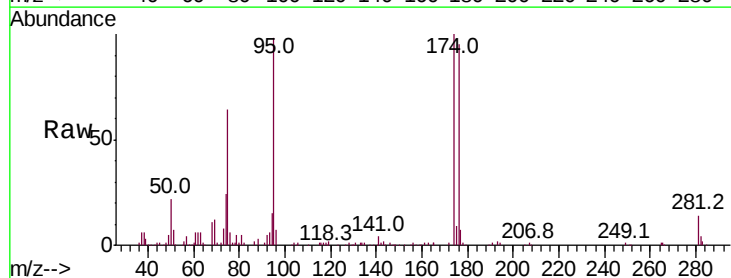


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

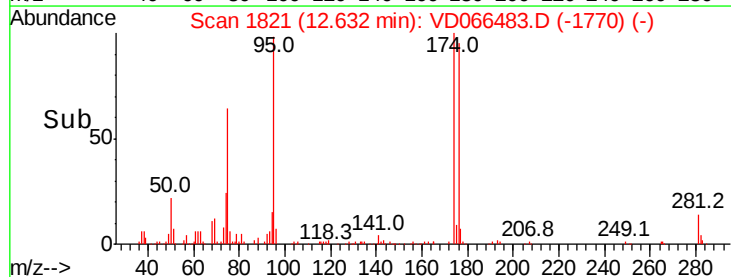
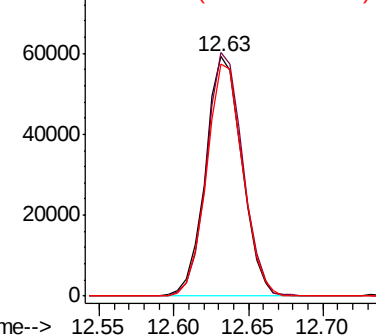


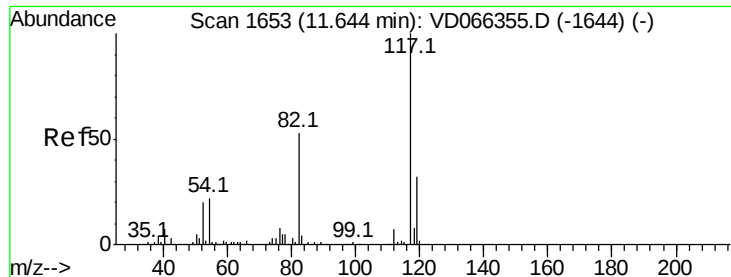
#62
4-Bromofluorobenzene
Concen: 49.521 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066483.D
Acq: 31 Aug 2020 15:17

Tgt Ion: 95 Resp: 100703
Ion Ratio Lower Upper
95 100
174 100.6 0.0 183.4
176 96.0 0.0 173.8



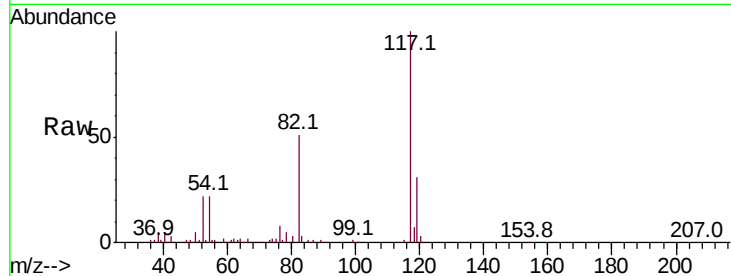
Abundance Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): VDC
Ion 175.80 (175.50 to 176.50): VDC





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066483.D
Acq: 31 Aug 2020 15:17

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	42.8	64.2
119	31.0	25.8	38.8

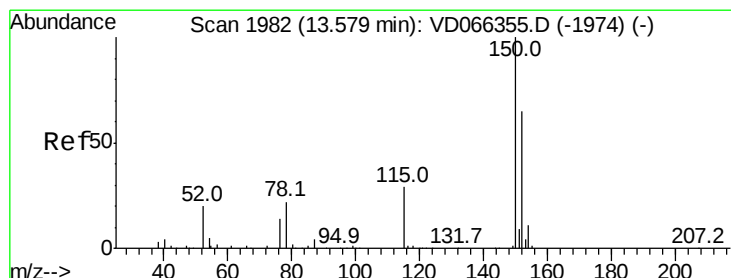
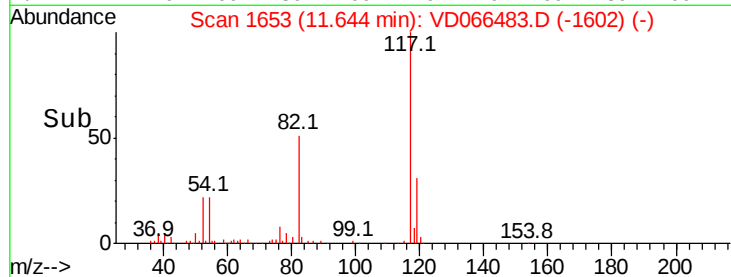
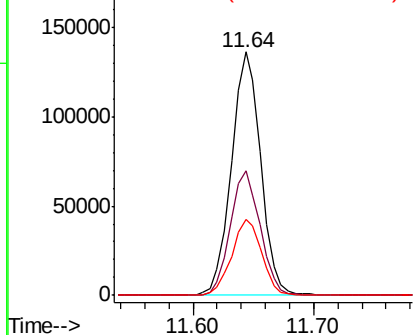


Abundance

Ion 116.90 (116.60 to 117.60): V

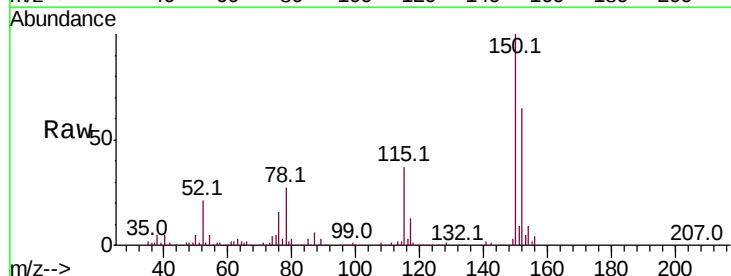
Ion 82.00 (81.70 to 82.70): V

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: VD066483.D
Acq: 31 Aug 2020 15:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	28.3	85.0
150	156.6	0.0	343.2

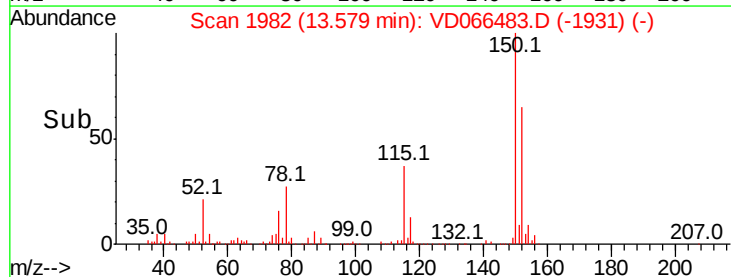
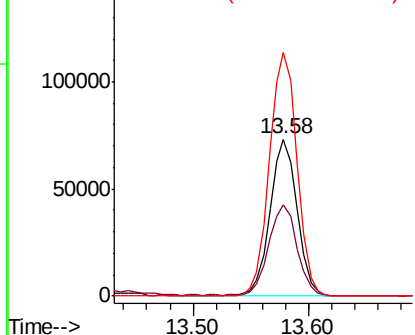


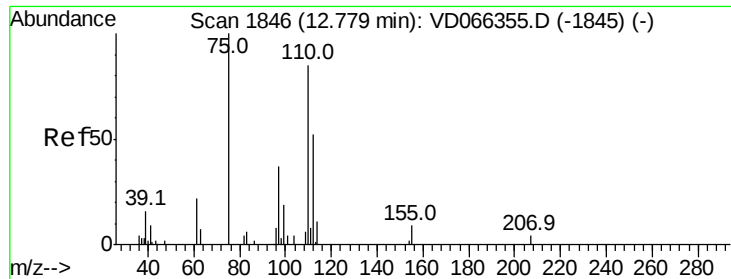
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

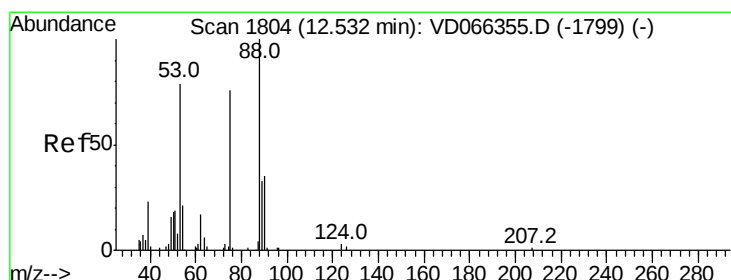
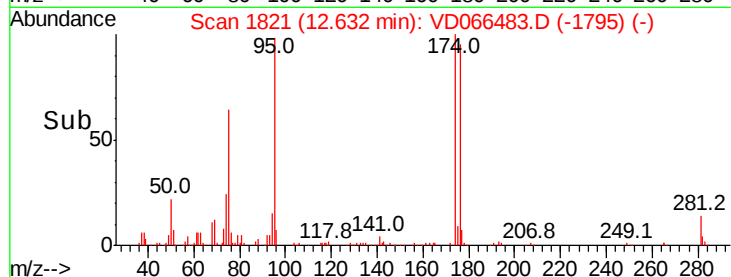
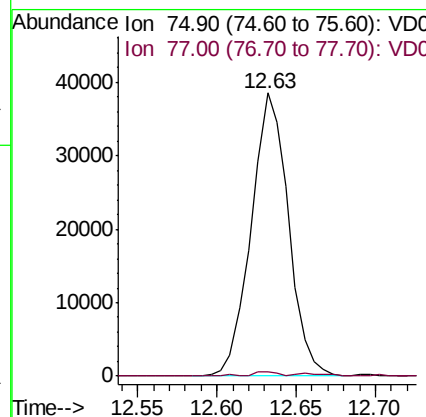
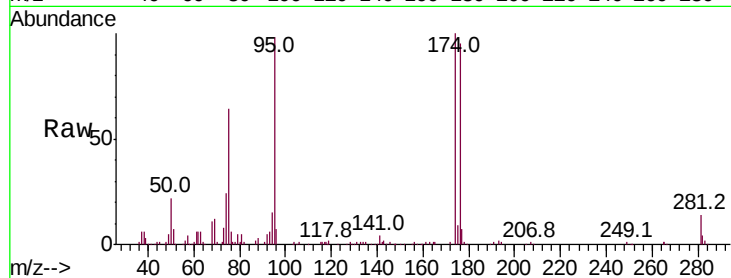
Ion 149.90 (149.60 to 150.60): V





#76
 1,2,3-Trichloropropane
 Concen: 74.252 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066483.D
 Acq: 31 Aug 2020 15:17

Tot Ion: 75 Resp: 63035
 Ion Ratio Lower Upper
 75 100
 77 1.0 182.9 548.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 157.613 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066483.D
 Acq: 31 Aug 2020 15:17

Tgt Ion: 75 Resp: 63035
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.4 131.2#
 89 0.2 39.4 59.0#

