

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066487.D
 Acq On : 31 Aug 2020 17:07
 Operator : VA/SY
 Sample : L3847-24
 Misc : 4.59G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 01 01:02:46 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	170781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	248796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	228777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	122023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	97370	58.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.30%	
35) Dibromofluoromethane	7.91	113	76157	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	10.34	98	289408	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.64	95	101885	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

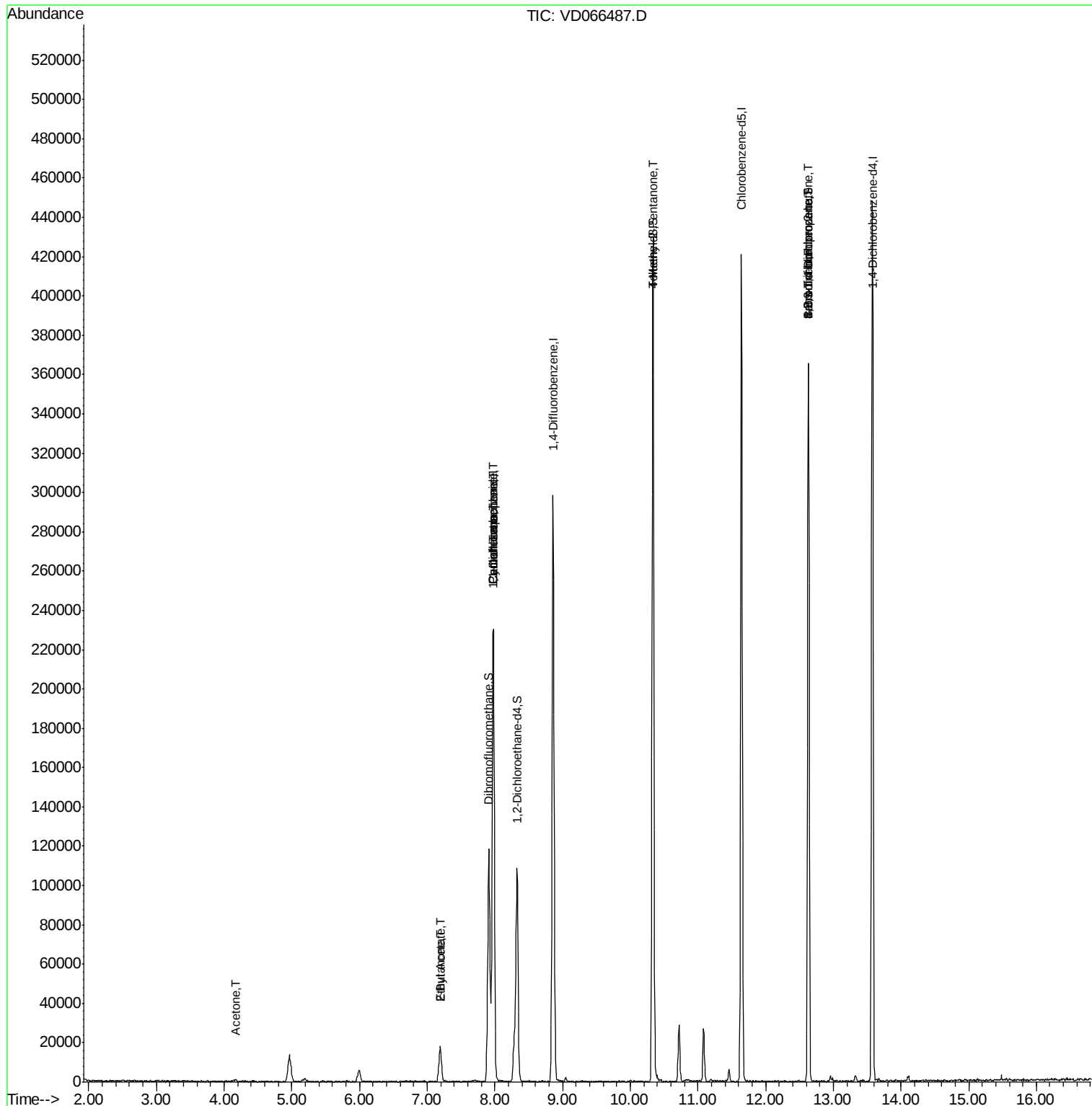
Target Compounds

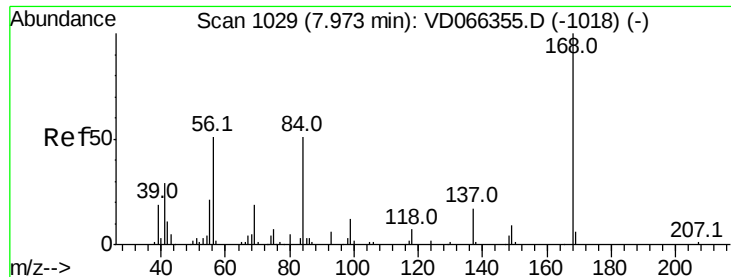
					Qvalue	
11) Tert butyl alcohol	5.22	59	128	Below Cal	#	71
16) Acetone	4.16	43	1709	5.662	ug/l #	46
25) 2-Butanone	7.20	43	899	2.623	ug/l	92
31) Cyclohexane	7.97	56	4129	1.776	ug/l #	28
36) 1,1-Dichloropropene	7.97	75	12793	5.635	ug/l #	49
37) Ethyl Acetate	7.20	43	899	1.164	ug/l #	1
38) Carbon Tetrachloride	7.97	117	18427	6.230	ug/l #	14
51) 4-Methyl-2-Pentanone	10.33	43	1236	1.649	ug/l #	1
71) Bromoform	12.63	173	1297	1.229	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	61634	71.798	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	61634	152.404	ug/l #	6

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

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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: VD066487.D

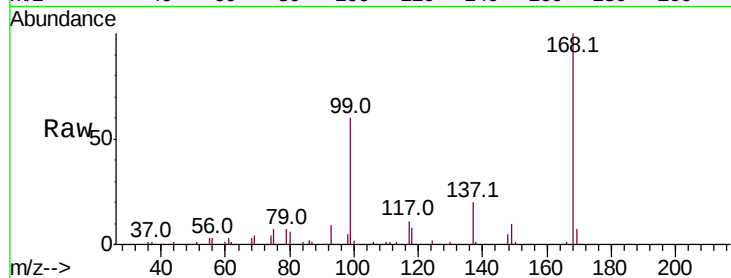
Acq: 31 Aug 2020 17:07

Tot Ion:168 Resp: 170781

Ion Ratio Lower Upper

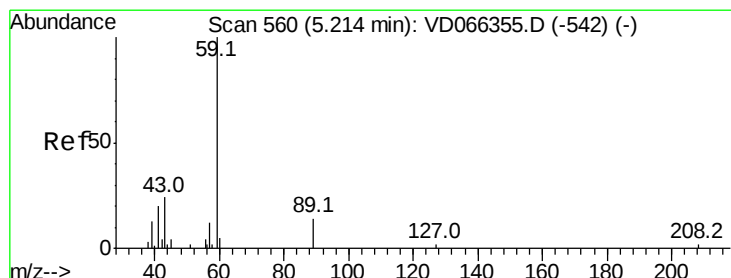
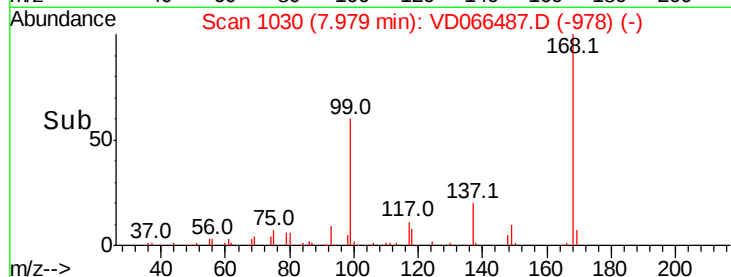
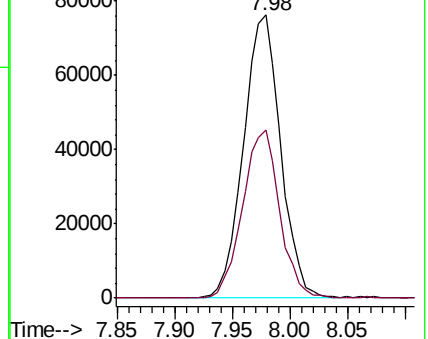
168 100

99 59.5 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: 5.22 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD066487.D

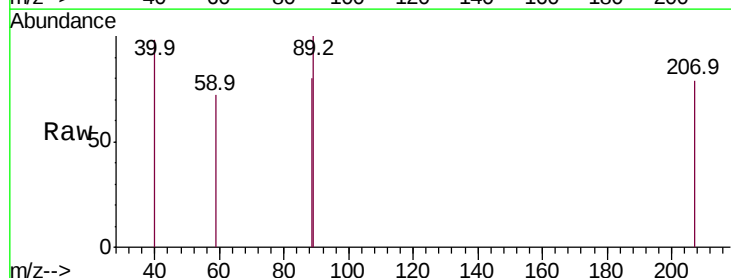
Acq: 31 Aug 2020 17:07

Tgt Ion: 59 Resp: 128

Ion Ratio Lower Upper

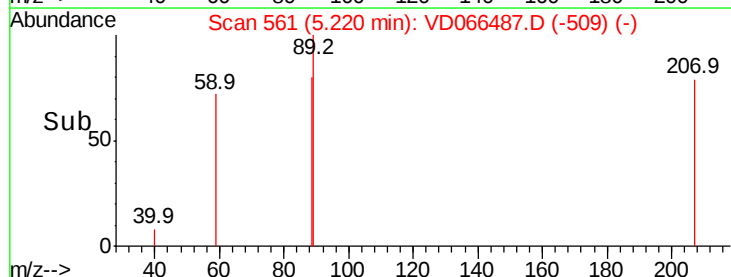
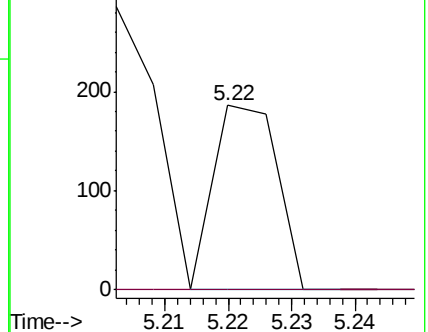
59 100

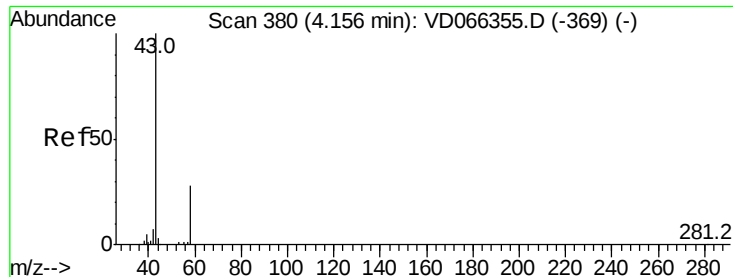
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 5.662 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066487.D

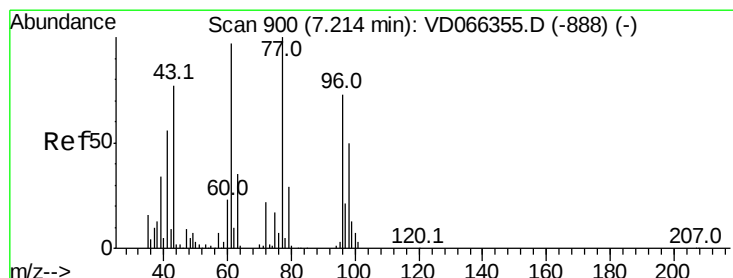
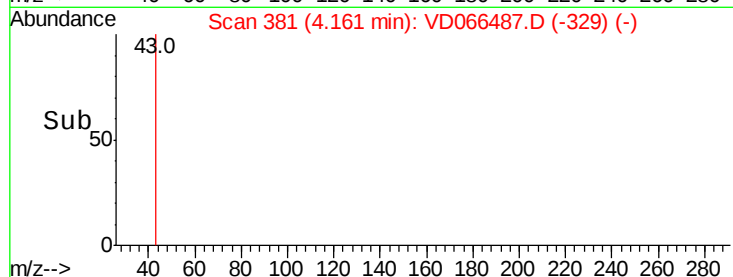
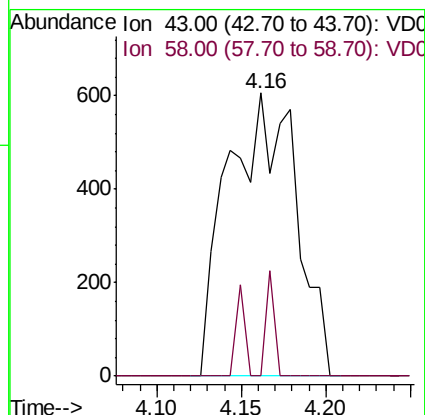
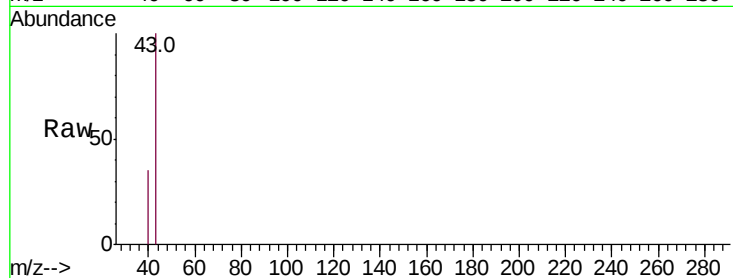
Acq: 31 Aug 2020 17:07

Tot Ion: 43 Resp: 1709

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#25

2-Butanone

Concen: 2.623 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD066487.D

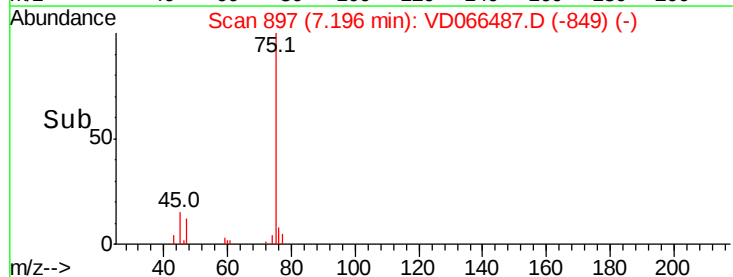
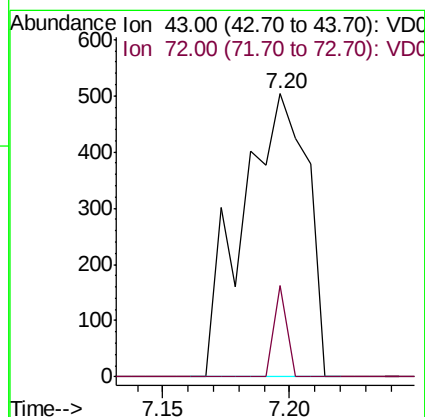
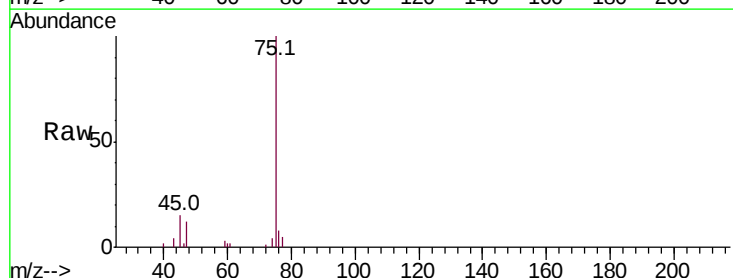
Acq: 31 Aug 2020 17:07

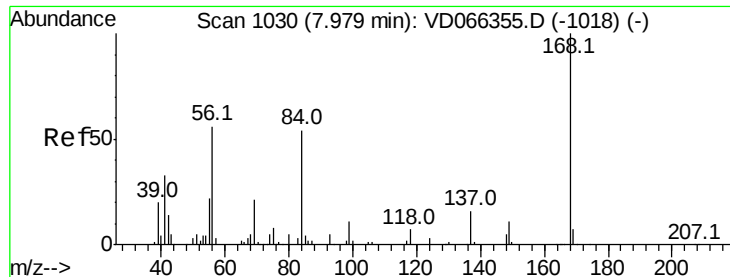
Tgt Ion: 43 Resp: 899

Ion Ratio Lower Upper

43 100

72 32.4 22.5 33.7





#31

Cvclohexane

Concen: 1.776 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066487.D

Acq: 31 Aug 2020 17:07

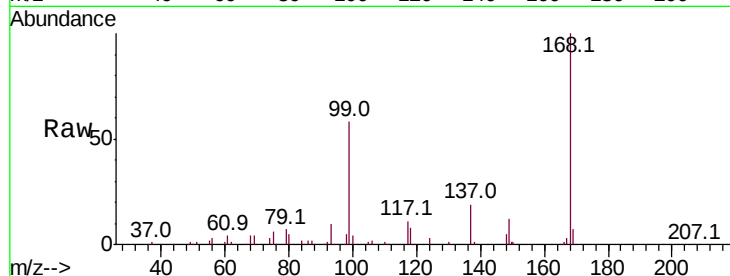
Tot Ion: 56 Resp: 4129

Ion Ratio Lower Upper

56 100

69 142.5 29.6 44.4#

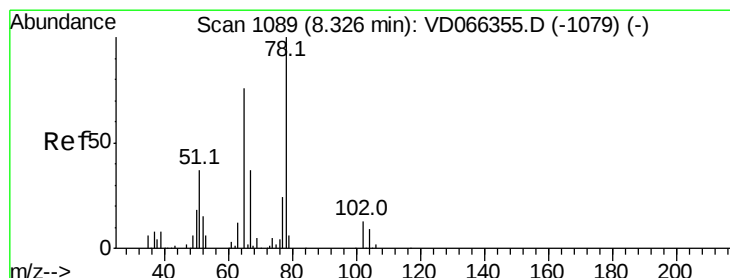
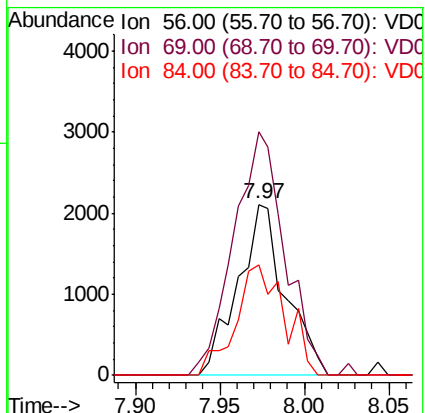
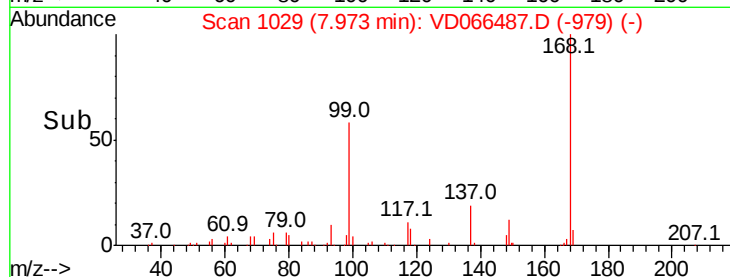
84 64.6 76.6 115.0#



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



#33

1,2-Dichloroethane-d4

Concen: 58.155 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066487.D

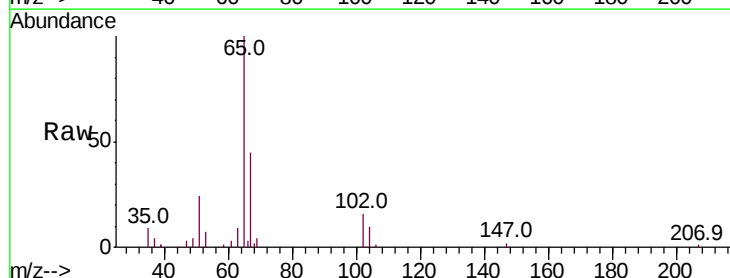
Acq: 31 Aug 2020 17:07

Tgt Ion: 65 Resp: 97370

Ion Ratio Lower Upper

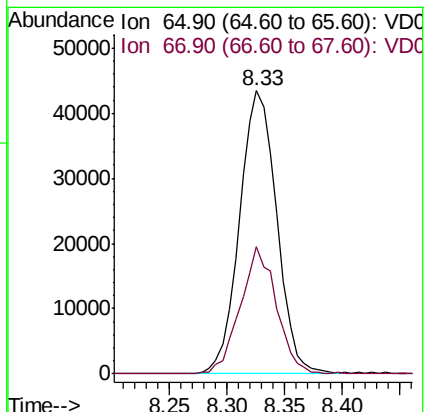
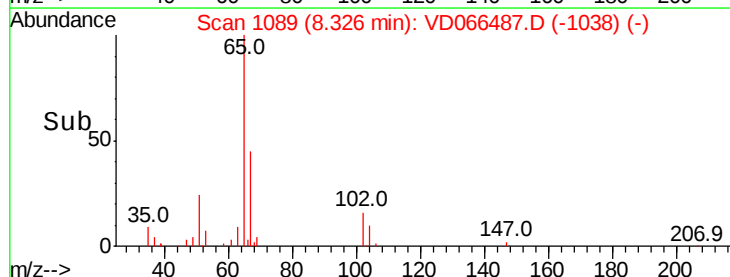
65 100

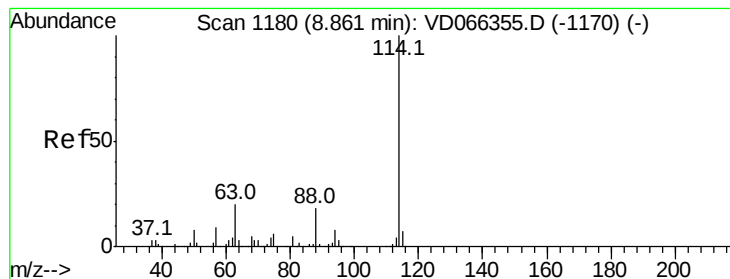
67 43.5 0.0 101.6



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: VD066487.D

Acq: 31 Aug 2020 17:07

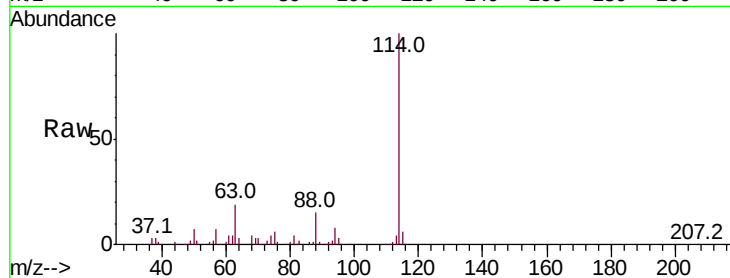
Tot Ion:114 Resp: 248796

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.8

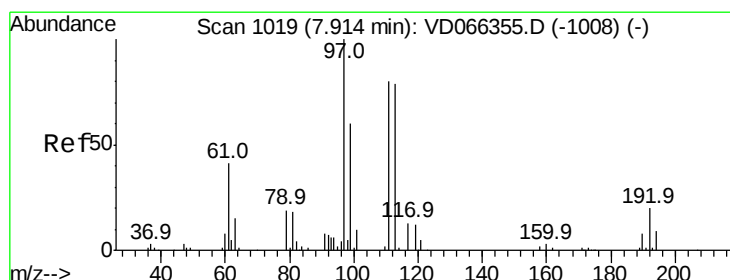
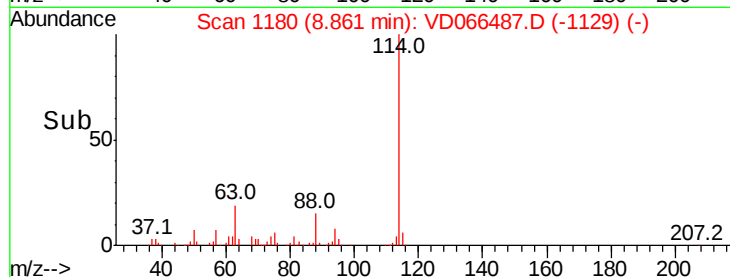
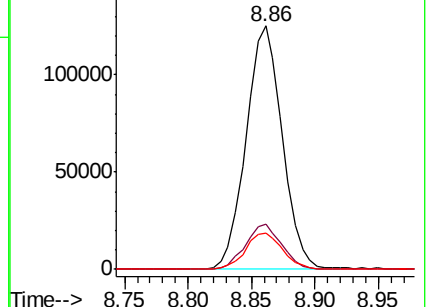
88 14.7 0.0 35.4



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: 48.952 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066487.D

Acq: 31 Aug 2020 17:07

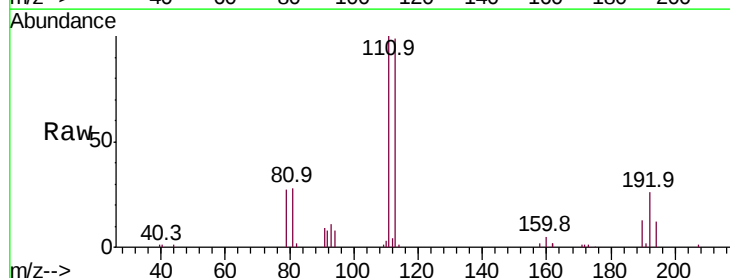
Tgt Ion:113 Resp: 76157

Ion Ratio Lower Upper

113 100

111 103.4 80.3 120.5

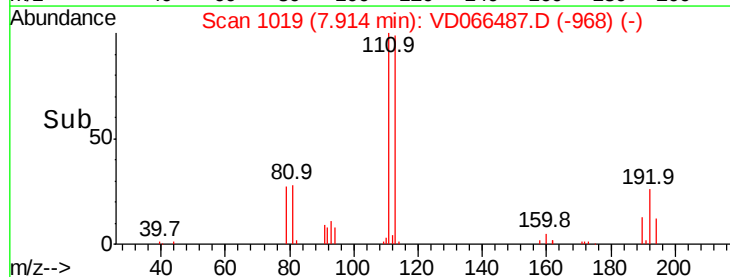
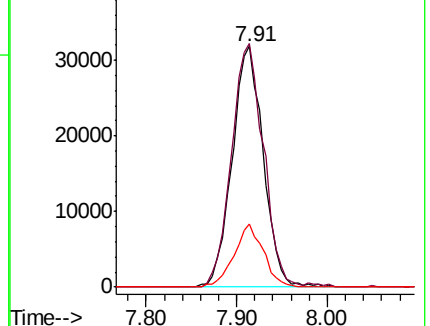
192 24.6 19.0 28.6

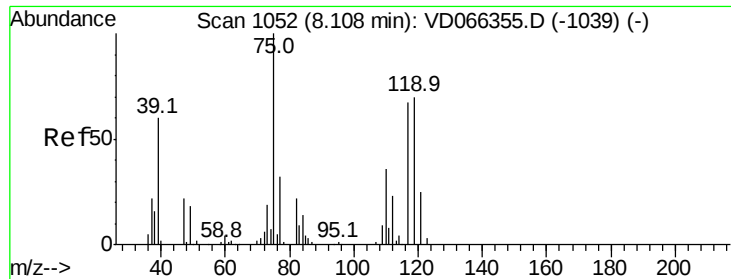


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.635 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.14 min

Lab File: VD066487.D

Acq: 31 Aug 2020 17:07

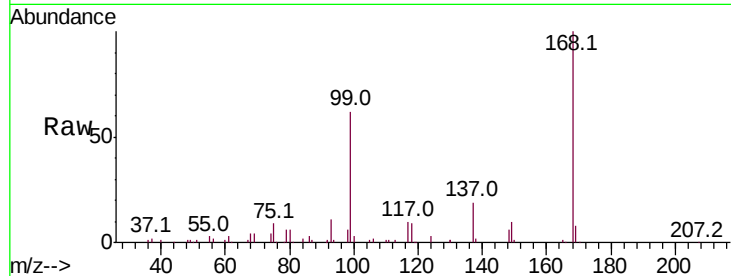
Tot Ion: 75 Resp: 12793

Ion Ratio Lower Upper

75 100

110 10.3 18.7 56.1#

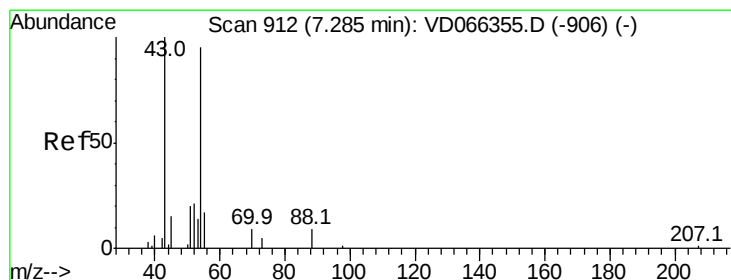
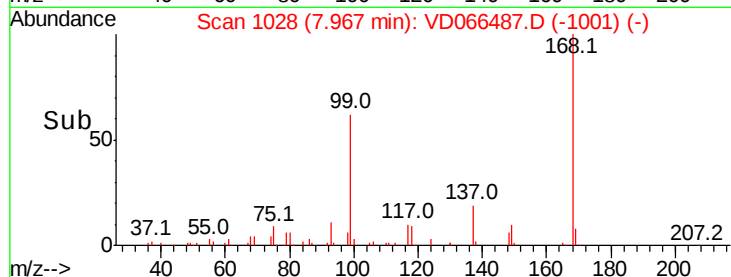
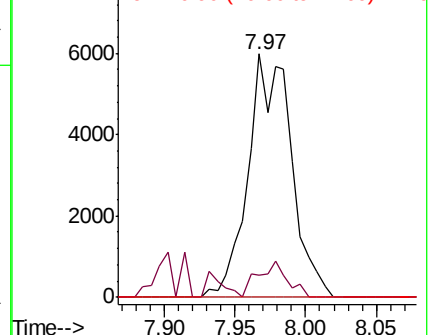
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 1.164 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.09 min

Lab File: VD066487.D

Acq: 31 Aug 2020 17:07

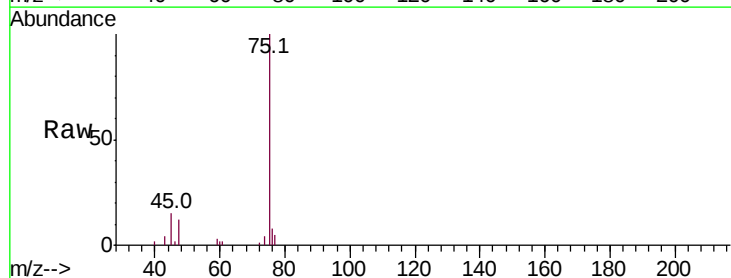
Tgt Ion: 43 Resp: 899

Ion Ratio Lower Upper

43 100

61 85.7 13.3 19.9#

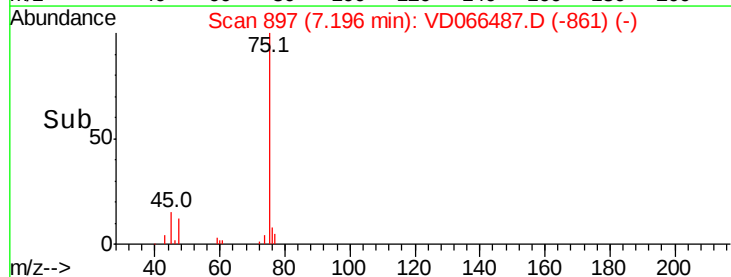
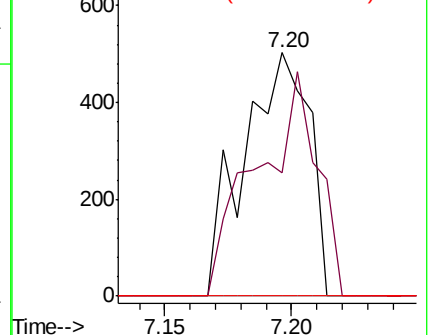
70 0.0 3.5 5.3#

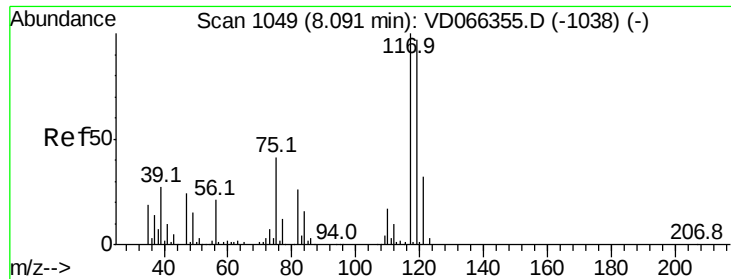


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.230 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066487.D

Acq: 31 Aug 2020 17:07

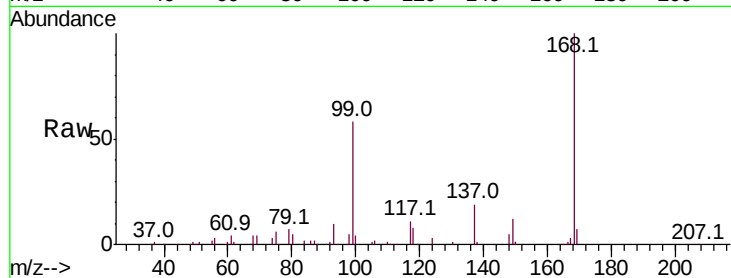
Tot Ion:117 Resp: 18427

Ion Ratio Lower Upper

117 100

119 3.1 77.2 115.8#

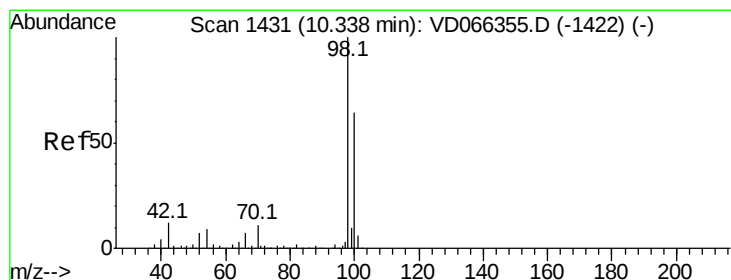
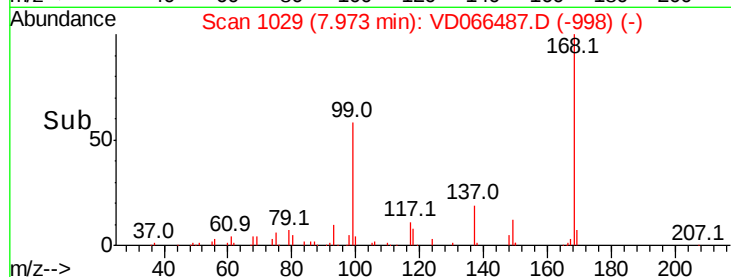
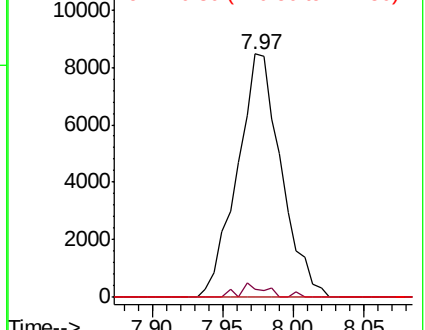
121 0.0 25.8 38.8#



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: 50.842 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066487.D

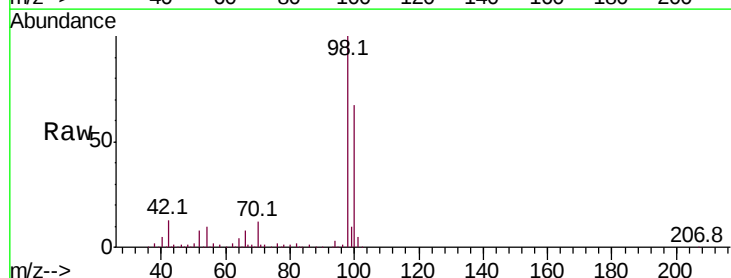
Acq: 31 Aug 2020 17:07

Tgt Ion: 98 Resp: 289408

Ion Ratio Lower Upper

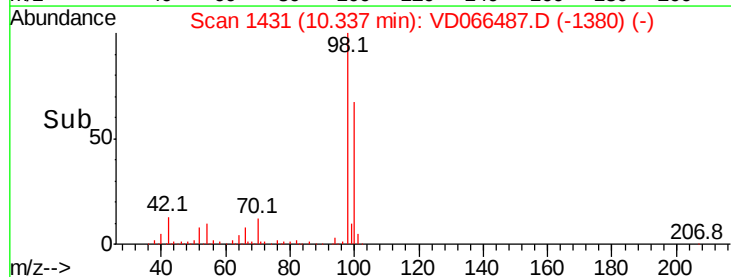
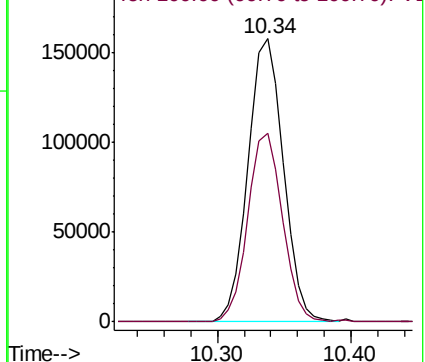
98 100

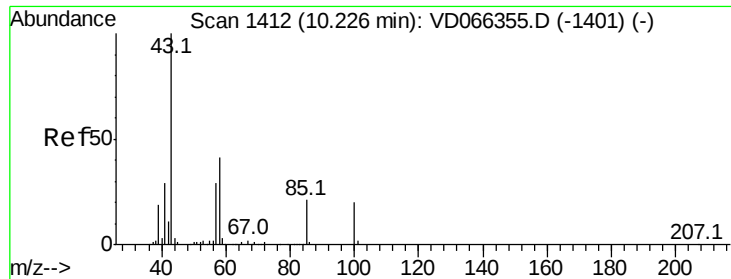
100 65.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.649 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066487.D

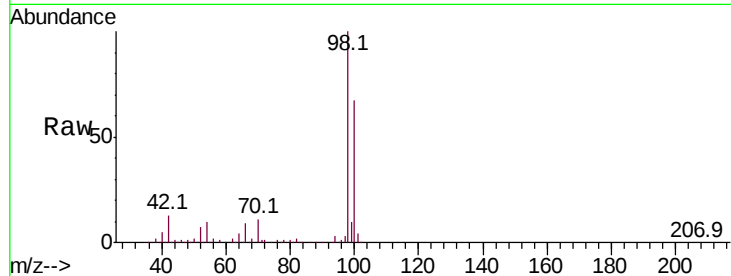
Acq: 31 Aug 2020 17:07

Tot Ion: 43 Resp: 1236

Ion Ratio Lower Upper

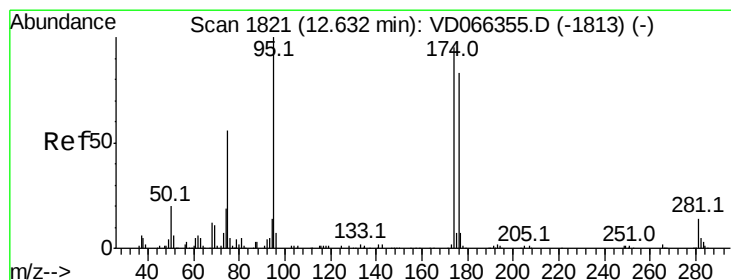
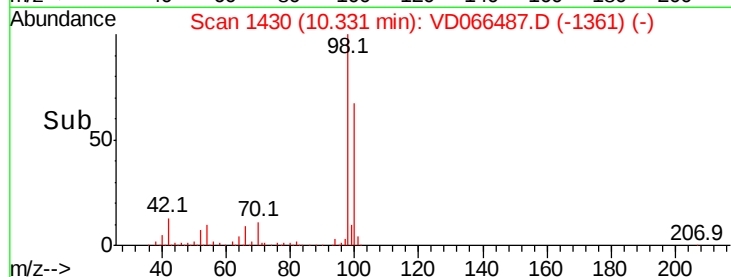
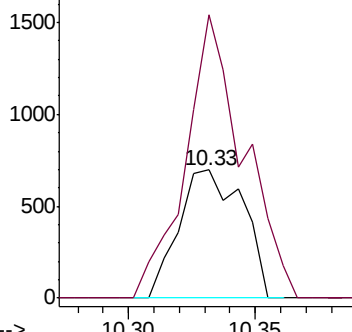
43 100

58 198.9 31.4 47.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 50.442 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD066487.D

Acq: 31 Aug 2020 17:07

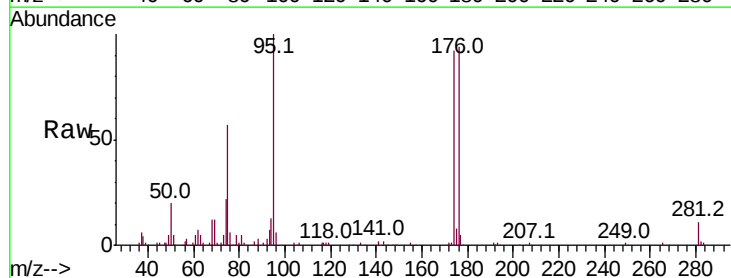
Tgt Ion: 95 Resp: 101885

Ion Ratio Lower Upper

95 100

174 95.5 0.0 183.4

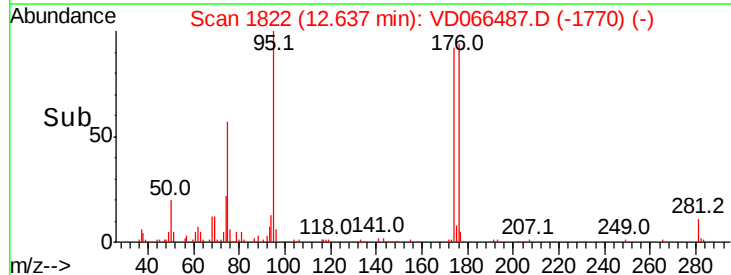
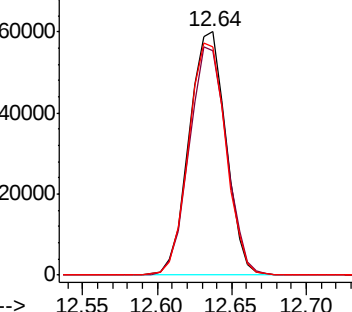
176 96.7 0.0 173.8

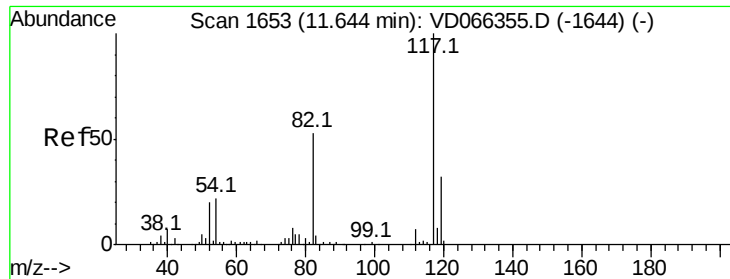


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

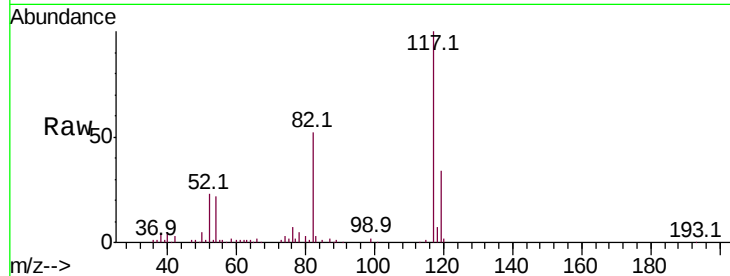
Ion 175.80 (175.50 to 176.50): V



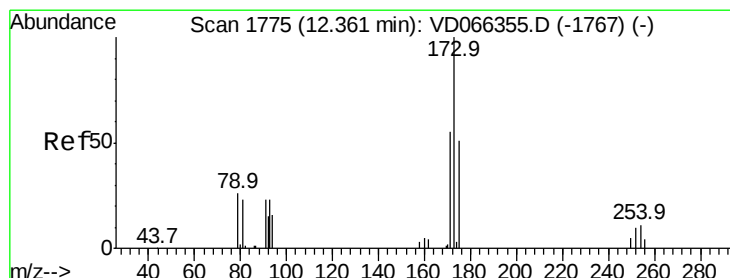
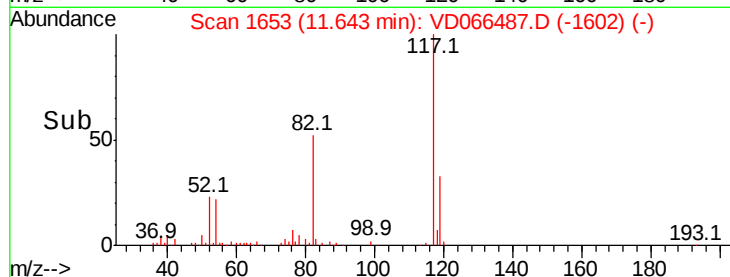
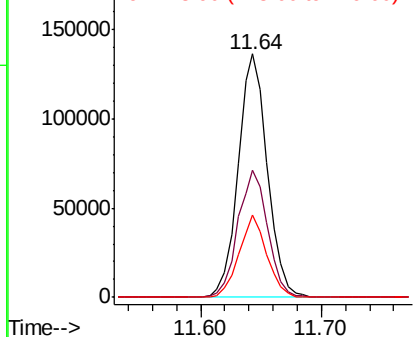


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066487.D
Acq: 31 Aug 2020 17:07

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.8	64.2
119	33.6	25.8	38.8

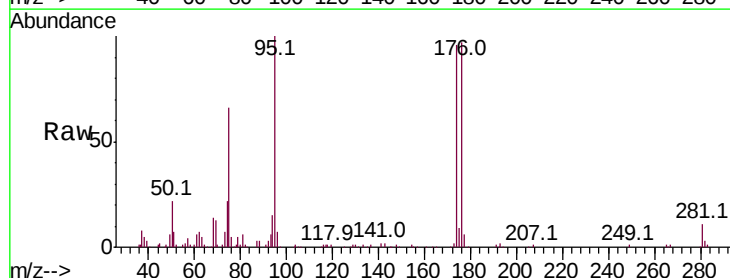


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

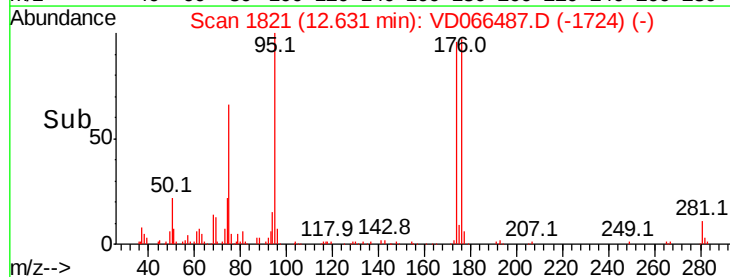
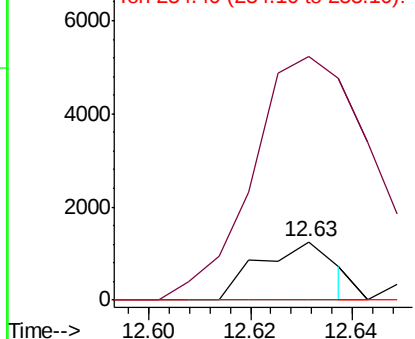


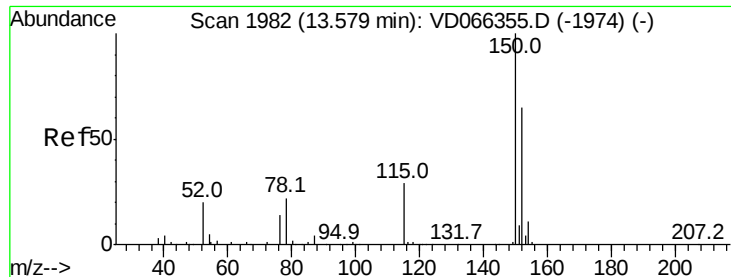
#71
Bromoform
Concen: 1.229 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD066487.D
Acq: 31 Aug 2020 17:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	504.3	24.8	74.3#
254	0.0	0.0	0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

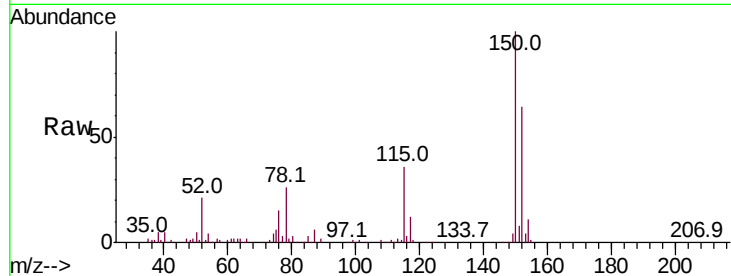




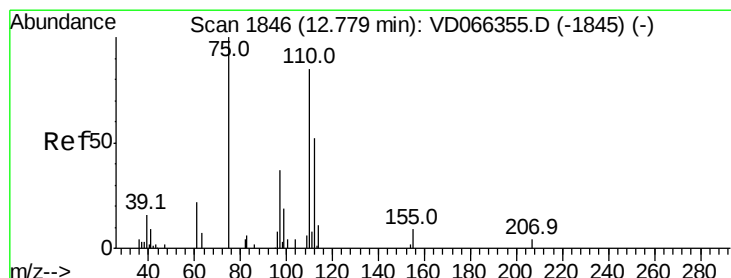
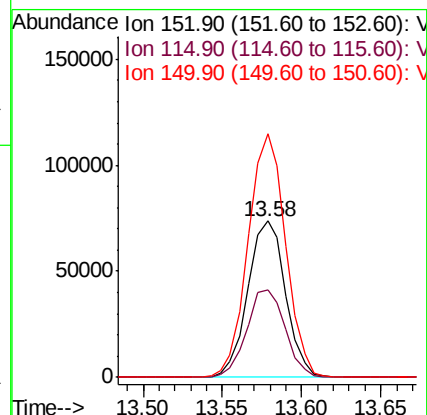
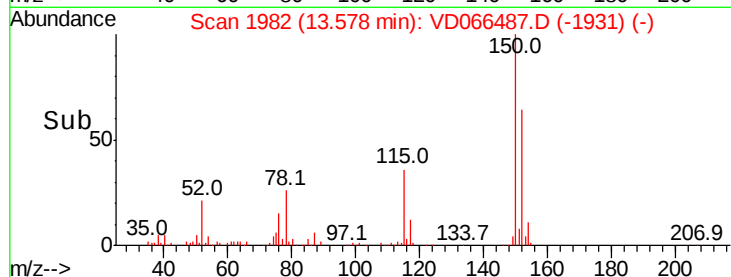
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066487.D
Acq: 31 Aug 2020 17:07

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.3	85.0
150	154.8	0.0	343.2



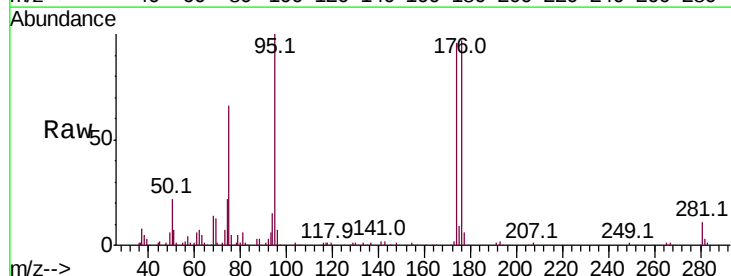
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



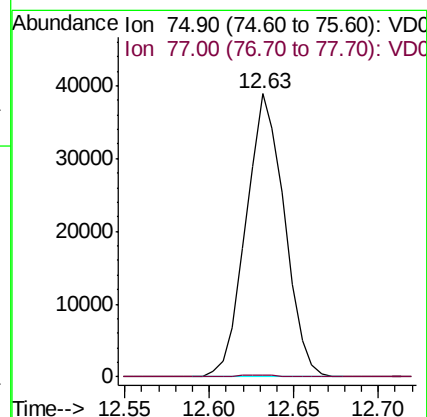
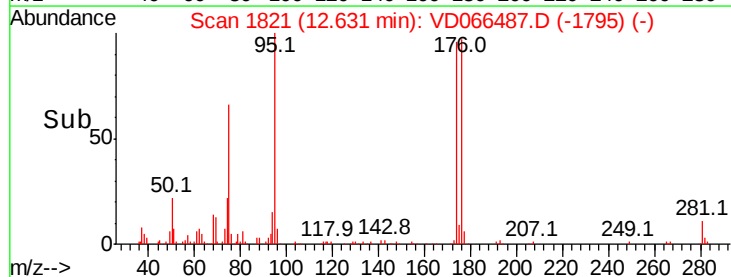
#76

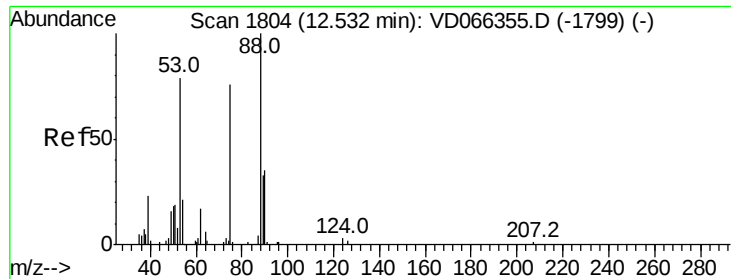
1,2,3-Trichloropropane
Concen: 71.798 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066487.D
Acq: 31 Aug 2020 17:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.7	182.9	548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81
 trans-1,4-Dichloro-2-butene
 Concen: 152.404 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066487.D
 Acq: 31 Aug 2020 17:07

Tot Ion: 75 Resp: 61634
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.4 131.2#
 89 0.0 39.4 59.0#

