

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066480.D
 Acq On : 31 Aug 2020 13:55
 Operator : VA/SY
 Sample : L3847-02
 Misc : 4.20G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 01 01:01:43 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	176152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	242424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	212194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	95365	50.00	ug/l	0.00

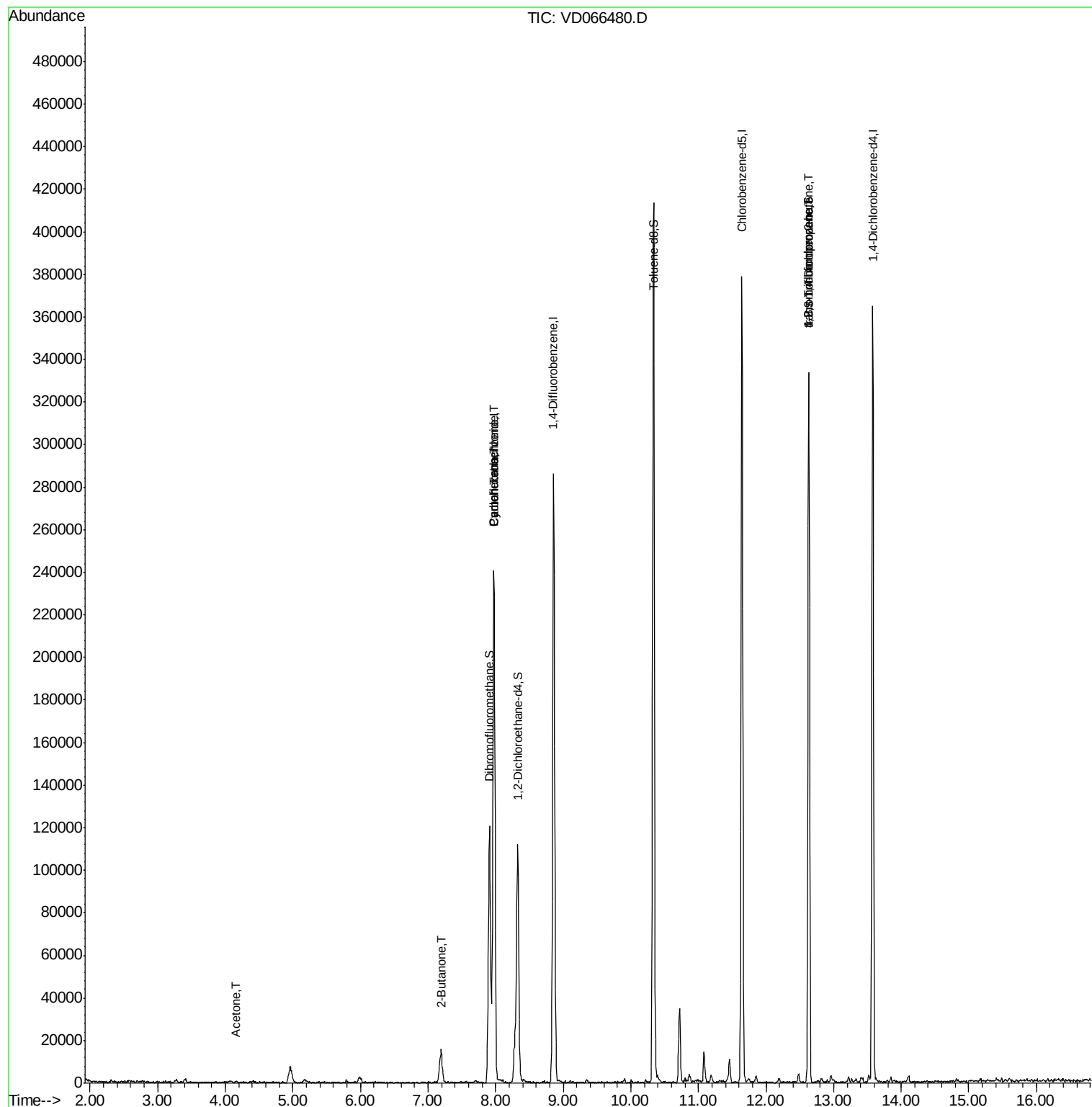
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	100963	58.46	ug/l	0.00
Spiked Amount			Recovery	=	116.92%	
35) Dibromofluoromethane	7.91	113	78270	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
50) Toluene-d8	10.34	98	277823	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.63	95	86551	43.98	ug/l	0.00
Spiked Amount			Recovery	=	87.96%	

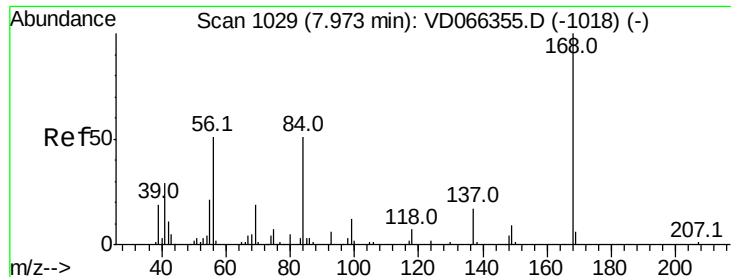
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	67	Below Cal	#	71
16) Acetone	4.17	43	1106	3.552	ug/l #	46
20) Methylene Chloride	4.97	84	6152	Below Cal		88
25) 2-Butanone	7.20	43	751	2.125	ug/l #	47
31) Cyclohexane	7.97	56	4476	1.867	ug/l #	30
38) Carbon Tetrachloride	7.97	117	18811	6.527	ug/l #	14
76) 1,2,3-Trichloropropane	12.63	75	54599	81.382	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	54599	172.748	ug/l #	6

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

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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: VD066480.D

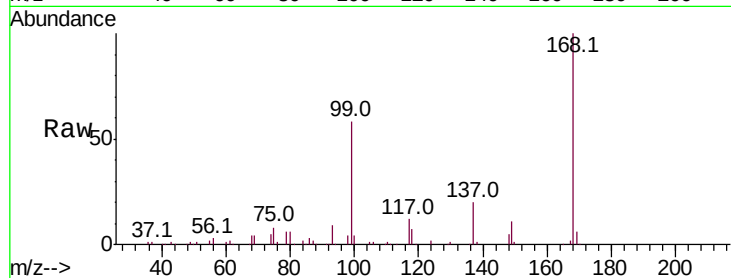
Acq: 31 Aug 2020 13:55

Tot Ion:168 Resp: 176152

Ion Ratio Lower Upper

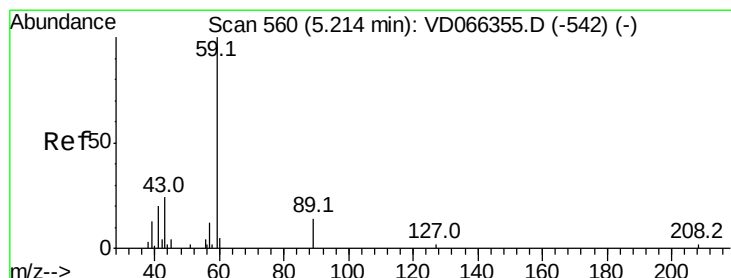
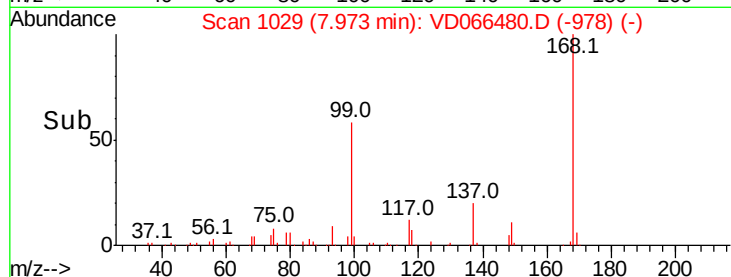
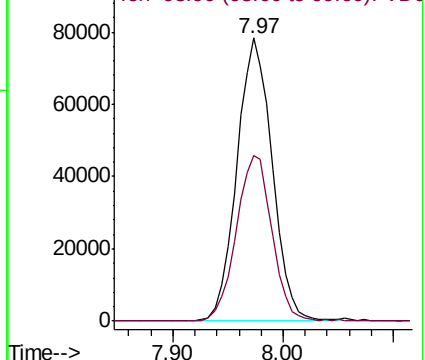
168 100

99 58.1 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: 5.24 min Scan# 565

Delta R.T. 0.03 min

Lab File: VD066480.D

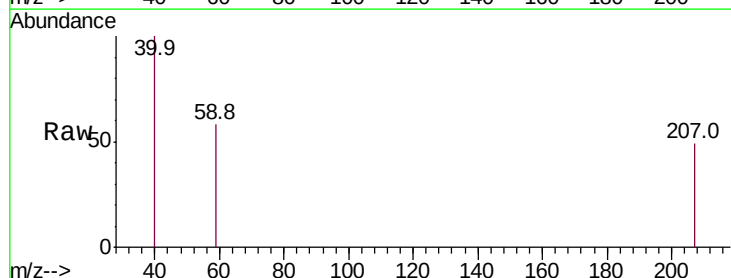
Acq: 31 Aug 2020 13:55

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

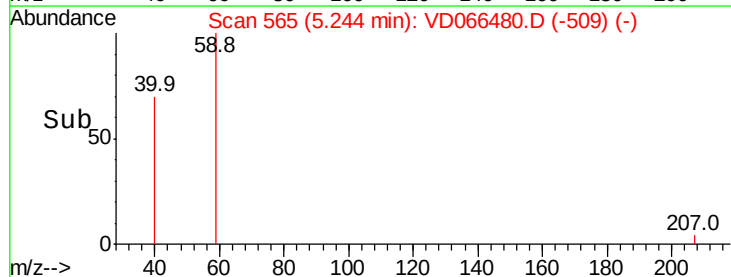
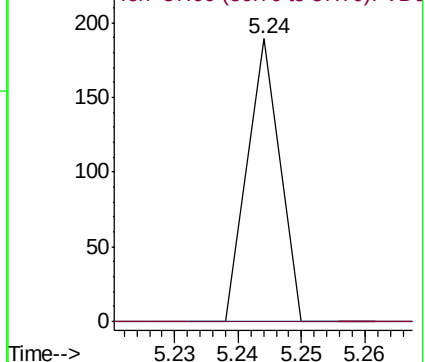
59 100

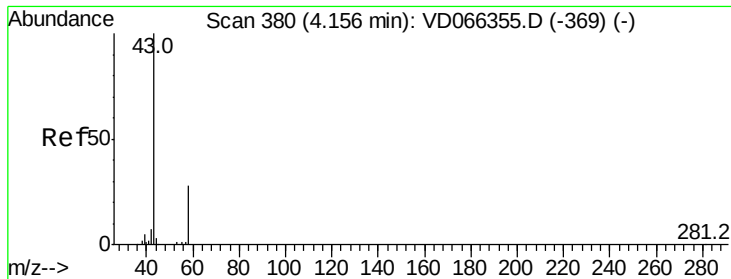
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 3.552 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066480.D

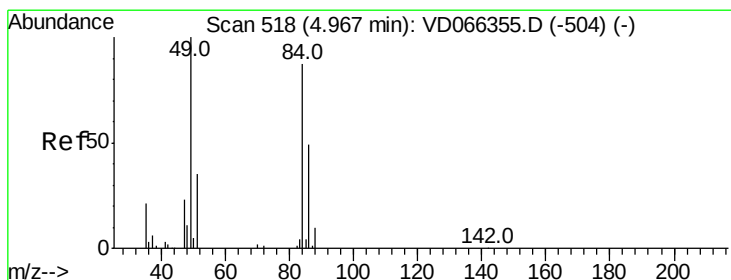
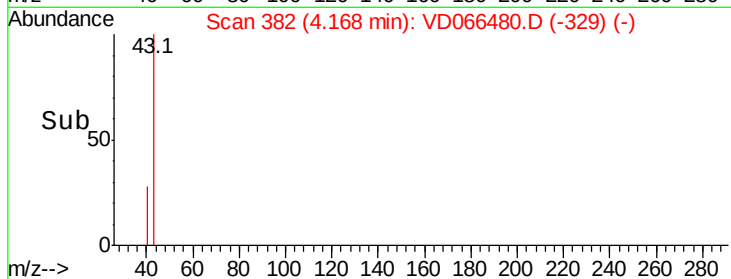
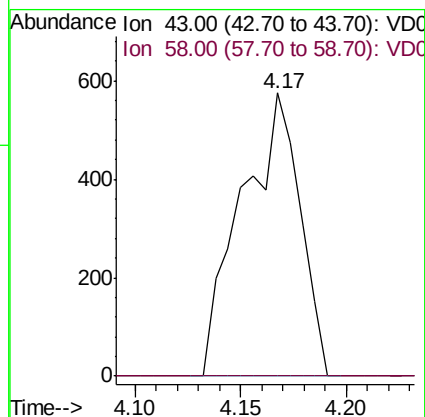
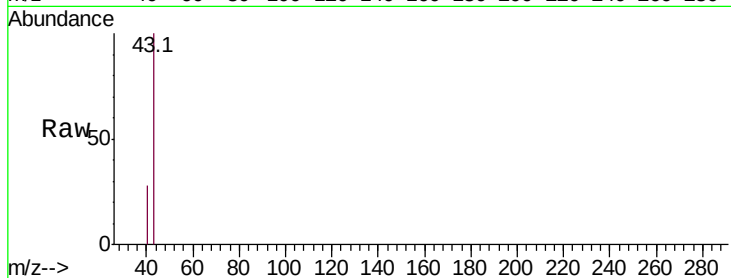
Acq: 31 Aug 2020 13:55

Tot Ion: 43 Resp: 1106

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066480.D

Acq: 31 Aug 2020 13:55

Tgt Ion: 84 Resp: 6152

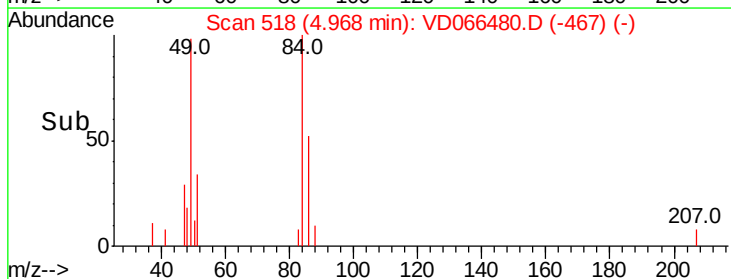
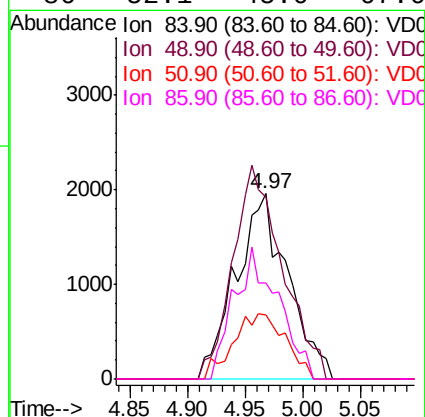
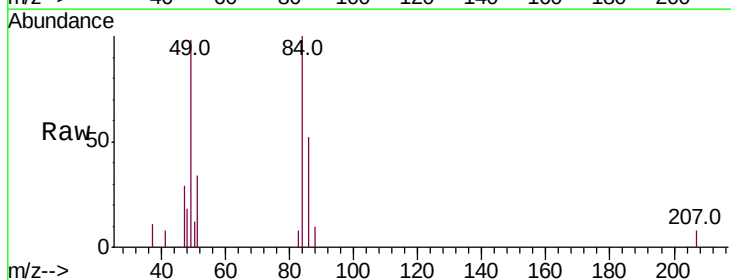
Ion Ratio Lower Upper

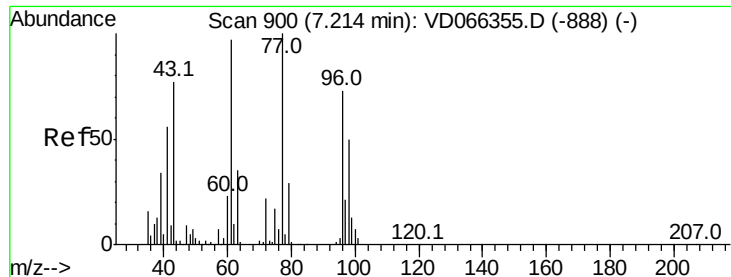
84 100

49 98.2 92.5 138.7

51 34.3 32.5 48.7

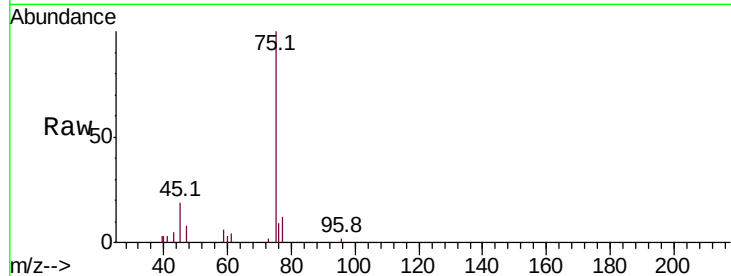
86 52.1 45.0 67.6



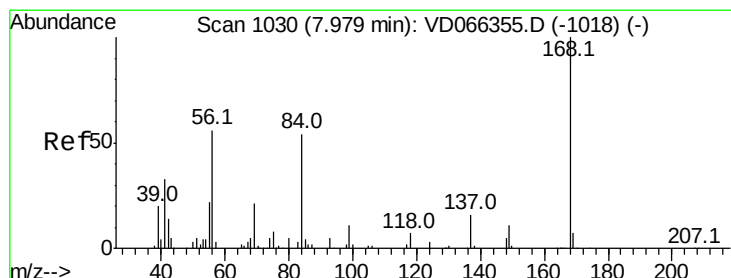
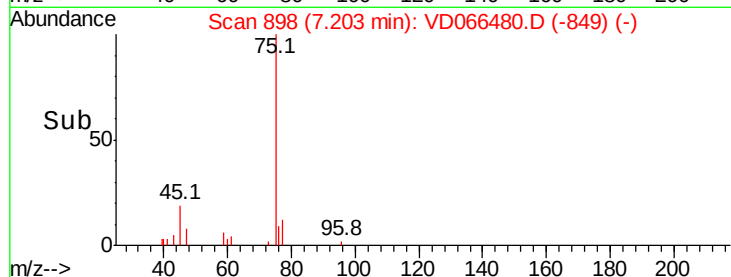
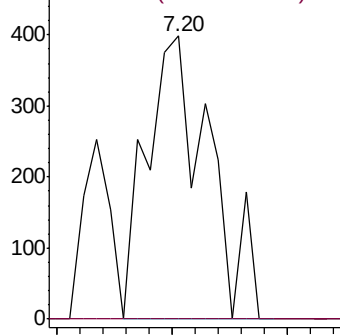


#25
2-Butanone
Concen: 2.125 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066480.D
Acq: 31 Aug 2020 13:55

Tot Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
72 0.0 22.5 33.7#

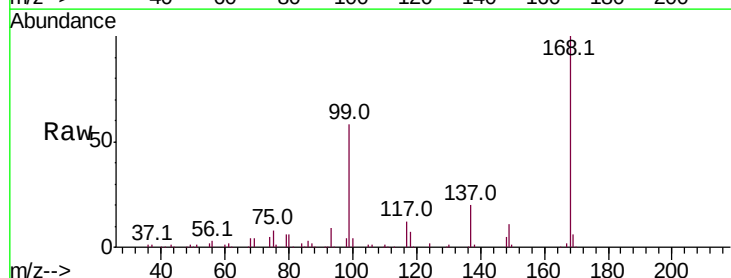


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

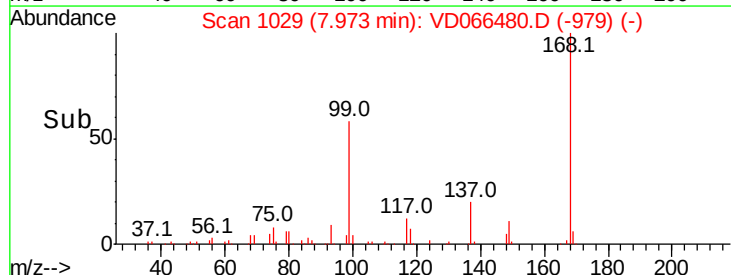
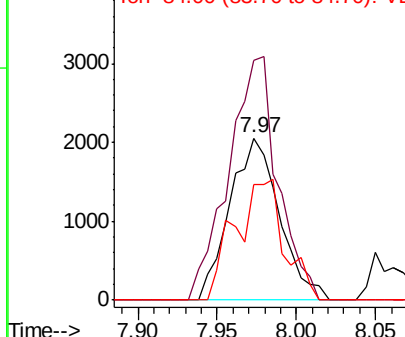


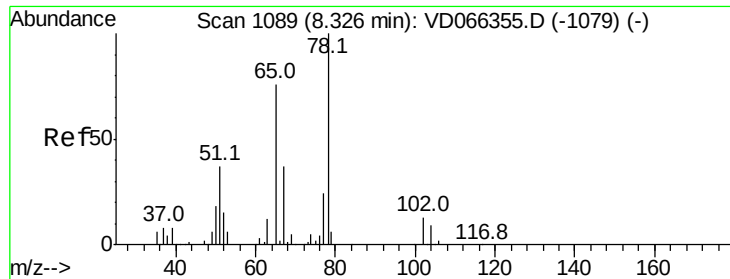
#31
Cyclohexane
Concen: 1.867 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066480.D
Acq: 31 Aug 2020 13:55

Tgt Ion: 56 Resp: 4476
Ion Ratio Lower Upper
56 100
69 148.2 29.6 44.4#
84 71.0 76.6 115.0#



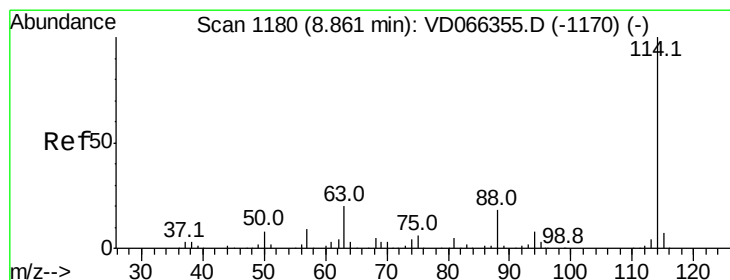
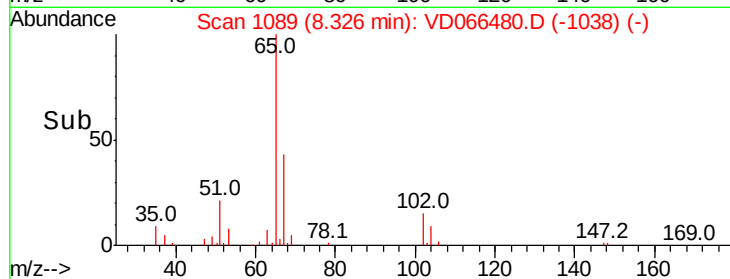
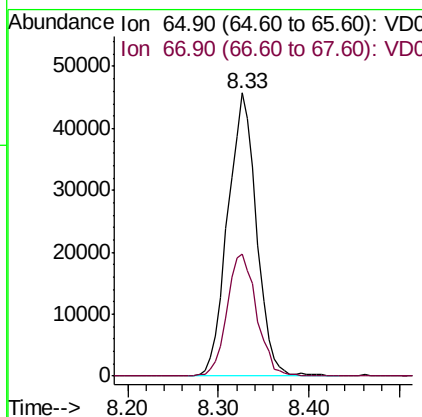
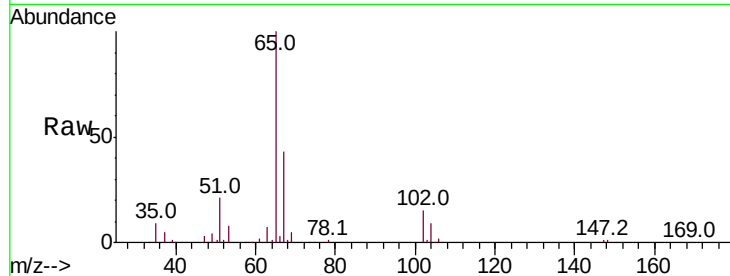
Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC





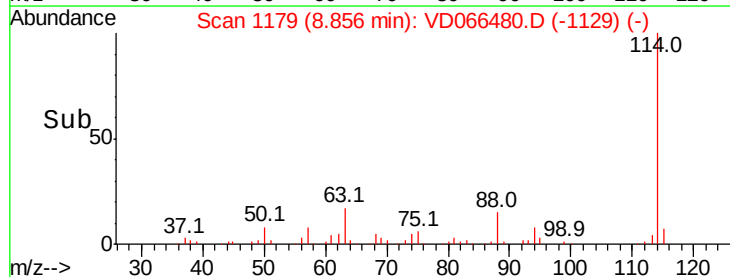
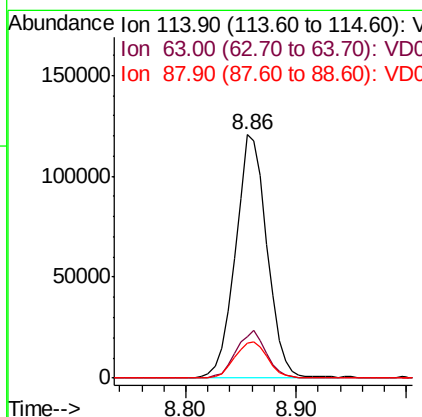
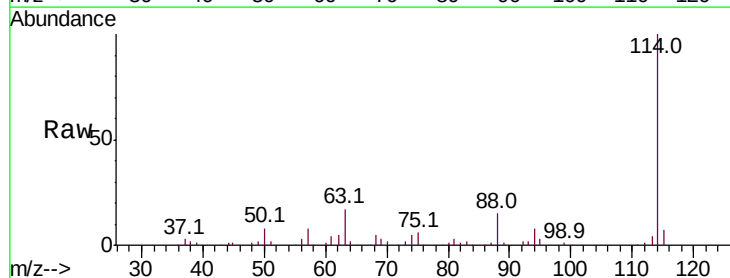
#33
 1,2-Dichloroethane-d4
 Concen: 58.462 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066480.D
 Acq: 31 Aug 2020 13:55

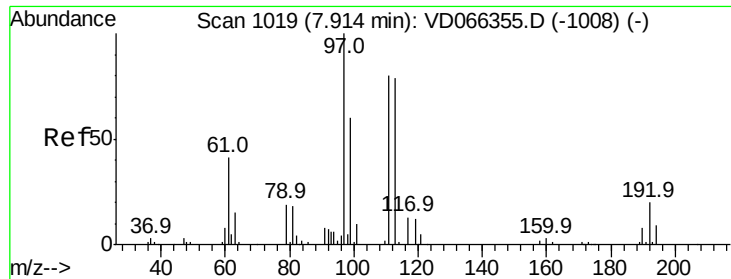
Tot Ion: 65 Resp: 100963
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066480.D
 Acq: 31 Aug 2020 13:55

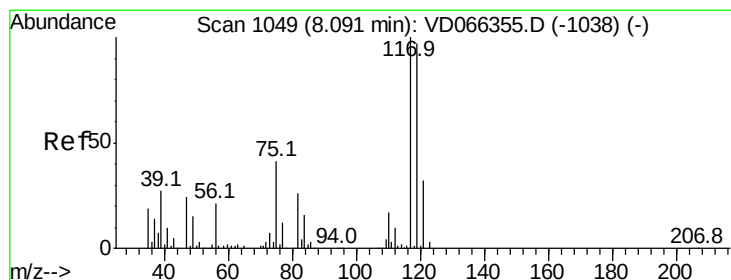
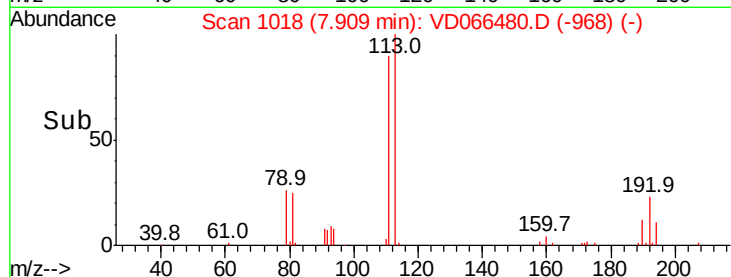
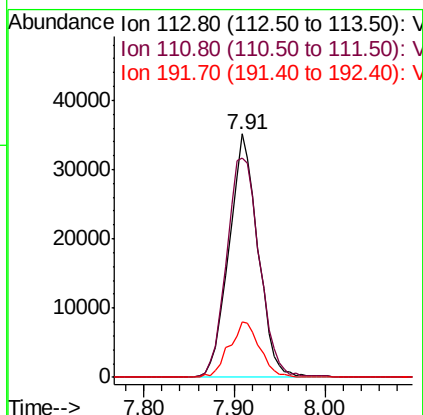
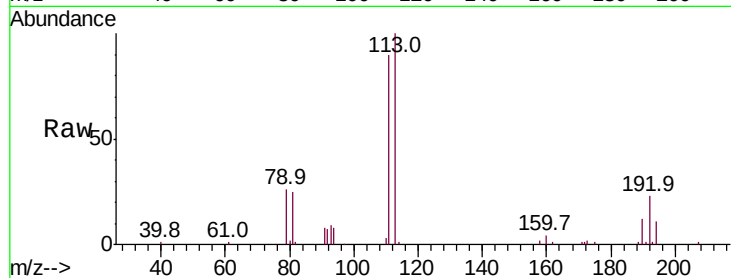
Tgt Ion: 114 Resp: 242424
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 40.8
 88 14.6 0.0 35.4





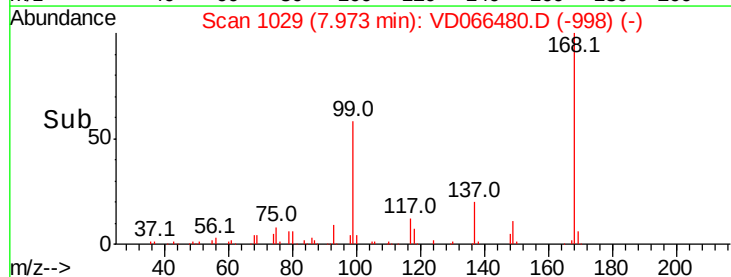
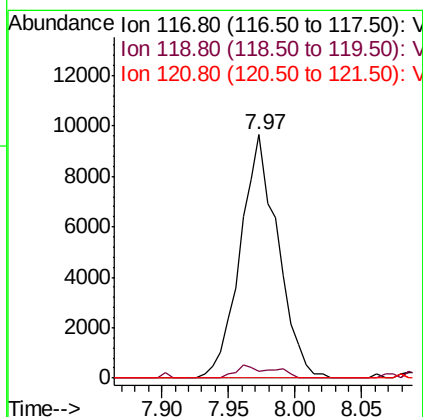
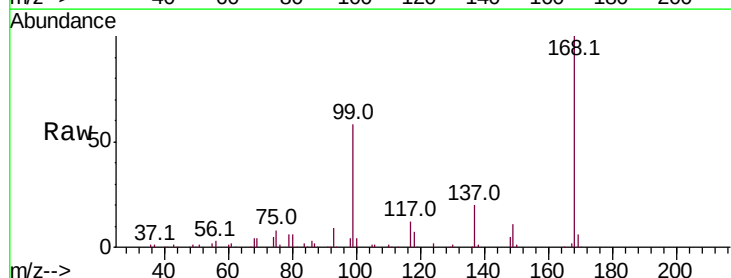
#35
 Dibromofluoromethane
 Concen: 51.633 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066480.D
 Acq: 31 Aug 2020 13:55

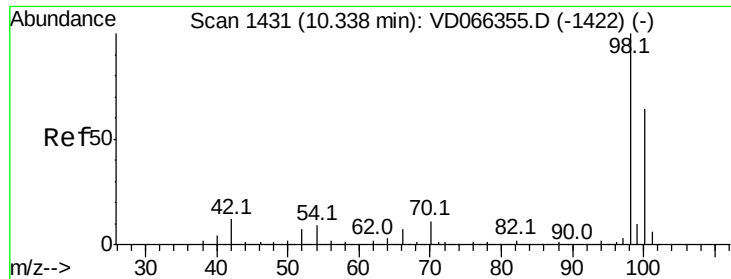
Tot Ion:113 Resp: 78270
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.3 120.5
 192 23.7 19.0 28.6



#38
 Carbon Tetrachloride
 Concen: 6.527 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066480.D
 Acq: 31 Aug 2020 13:55

Tgt Ion:117 Resp: 18811
 Ion Ratio Lower Upper
 117 100
 119 2.6 77.2 115.8#
 121 0.0 25.8 38.8#





#50

Toluene-d8

Concen: 50.090 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066480.D

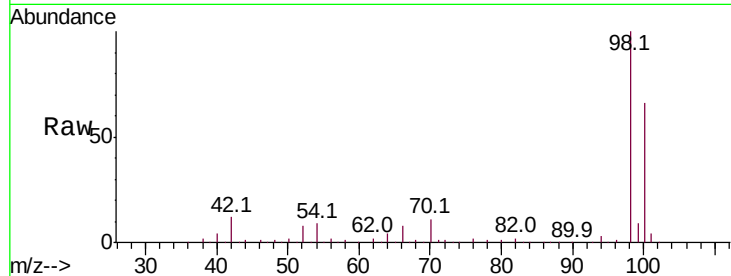
Acq: 31 Aug 2020 13:55

Tot Ion: 98 Resp: 277823

Ion Ratio Lower Upper

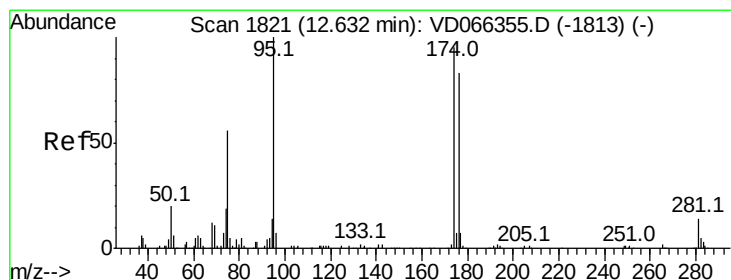
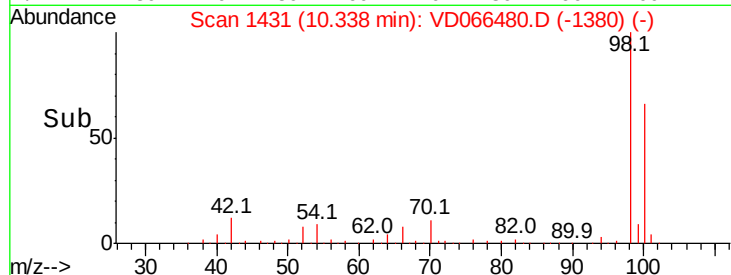
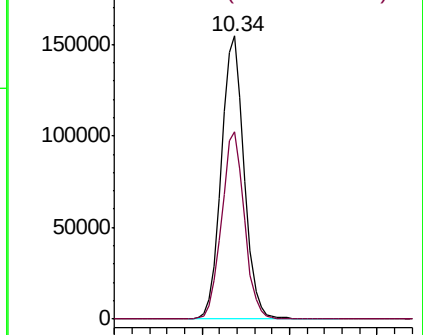
98 100

100 66.4 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: 43.976 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066480.D

Acq: 31 Aug 2020 13:55

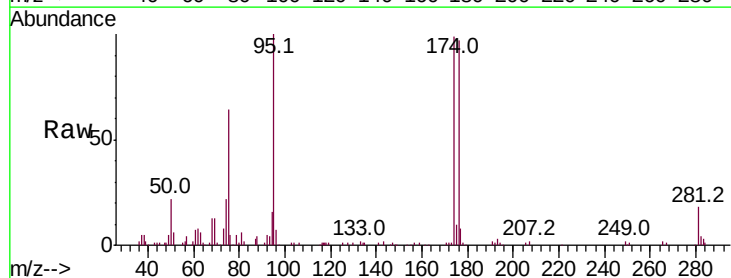
Tgt Ion: 95 Resp: 86551

Ion Ratio Lower Upper

95 100

174 101.2 0.0 183.4

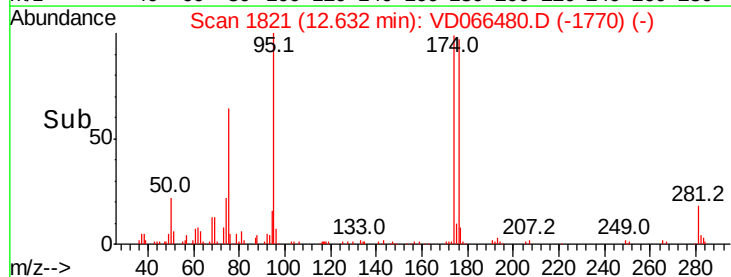
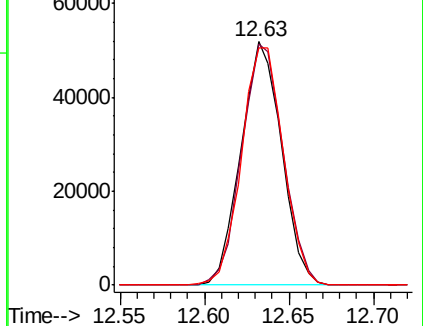
176 100.9 0.0 173.8

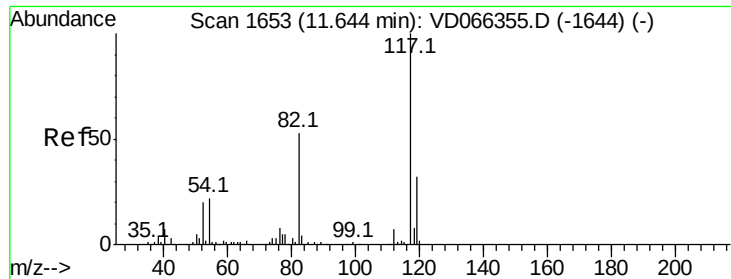


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

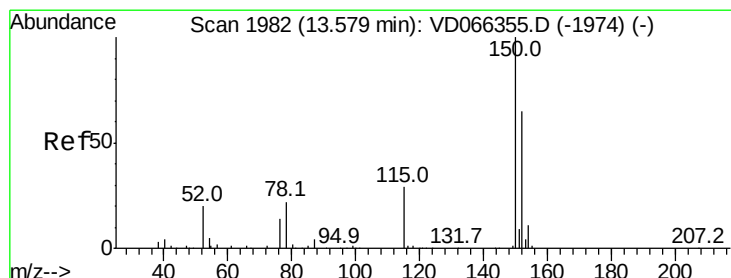
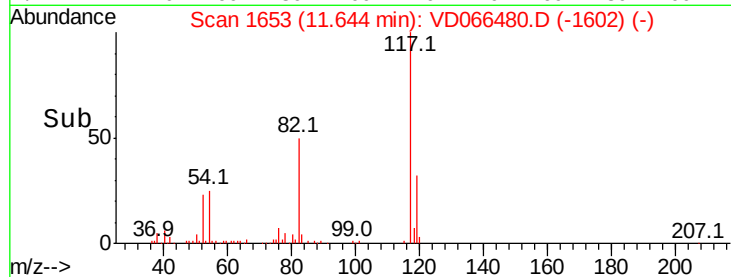
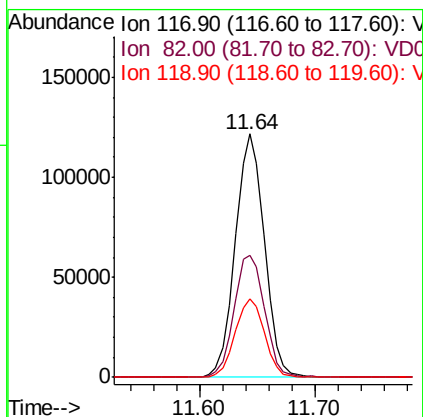
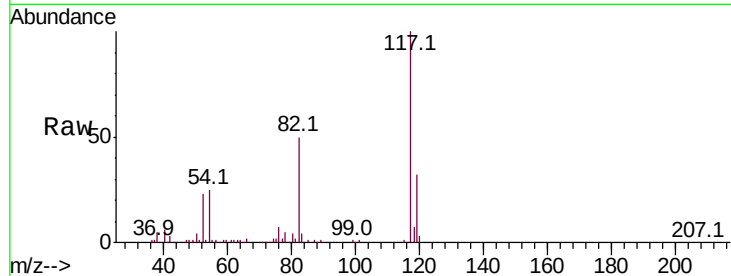
Ion 175.80 (175.50 to 176.50): VDC





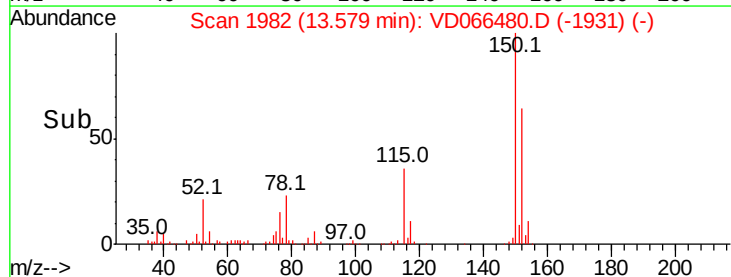
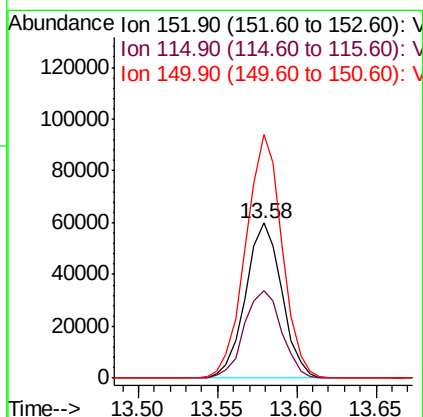
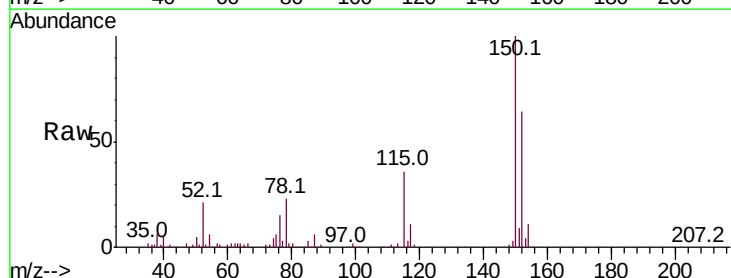
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066480.D
Acq: 31 Aug 2020 13:55

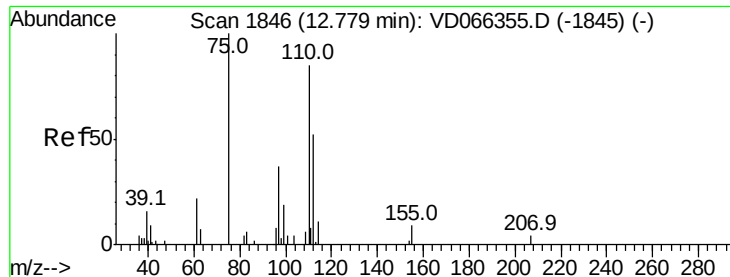
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	42.8	64.2
119	32.1	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066480.D
Acq: 31 Aug 2020 13:55

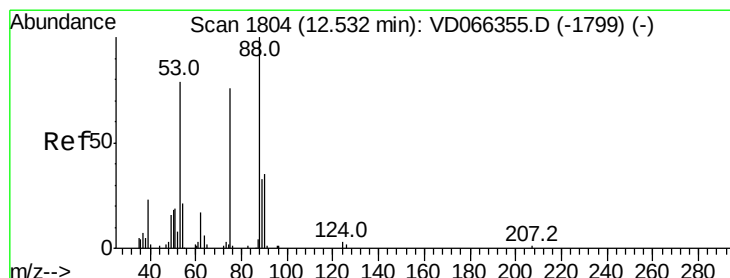
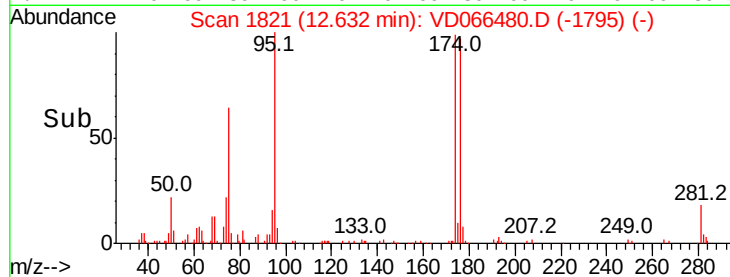
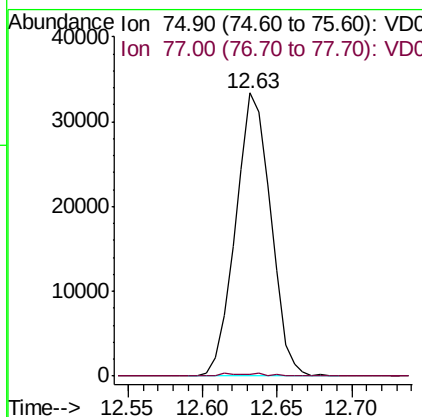
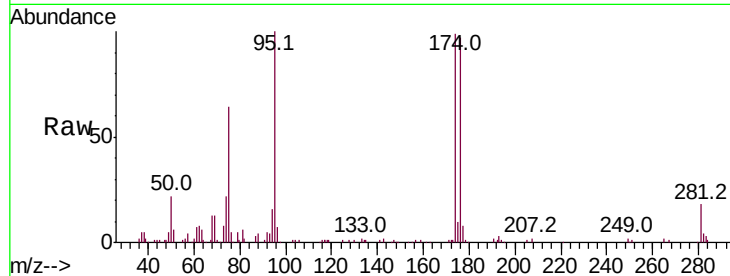
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.3	85.0
150	157.2	0.0	343.2





#76
 1,2,3-Trichloropropane
 Concen: 81.382 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066480.D
 Acq: 31 Aug 2020 13:55

Tot Ion: 75 Resp: 54599
 Ion Ratio Lower Upper
 75 100
 77 0.5 182.9 548.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 172.748 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066480.D
 Acq: 31 Aug 2020 13:55

Tgt Ion: 75 Resp: 54599
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.4 131.2#
 89 0.0 39.4 59.0#

