

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066482.D
 Acq On : 31 Aug 2020 14:50
 Operator : VA/SY
 Sample : L3847-06
 Misc : 3.79G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

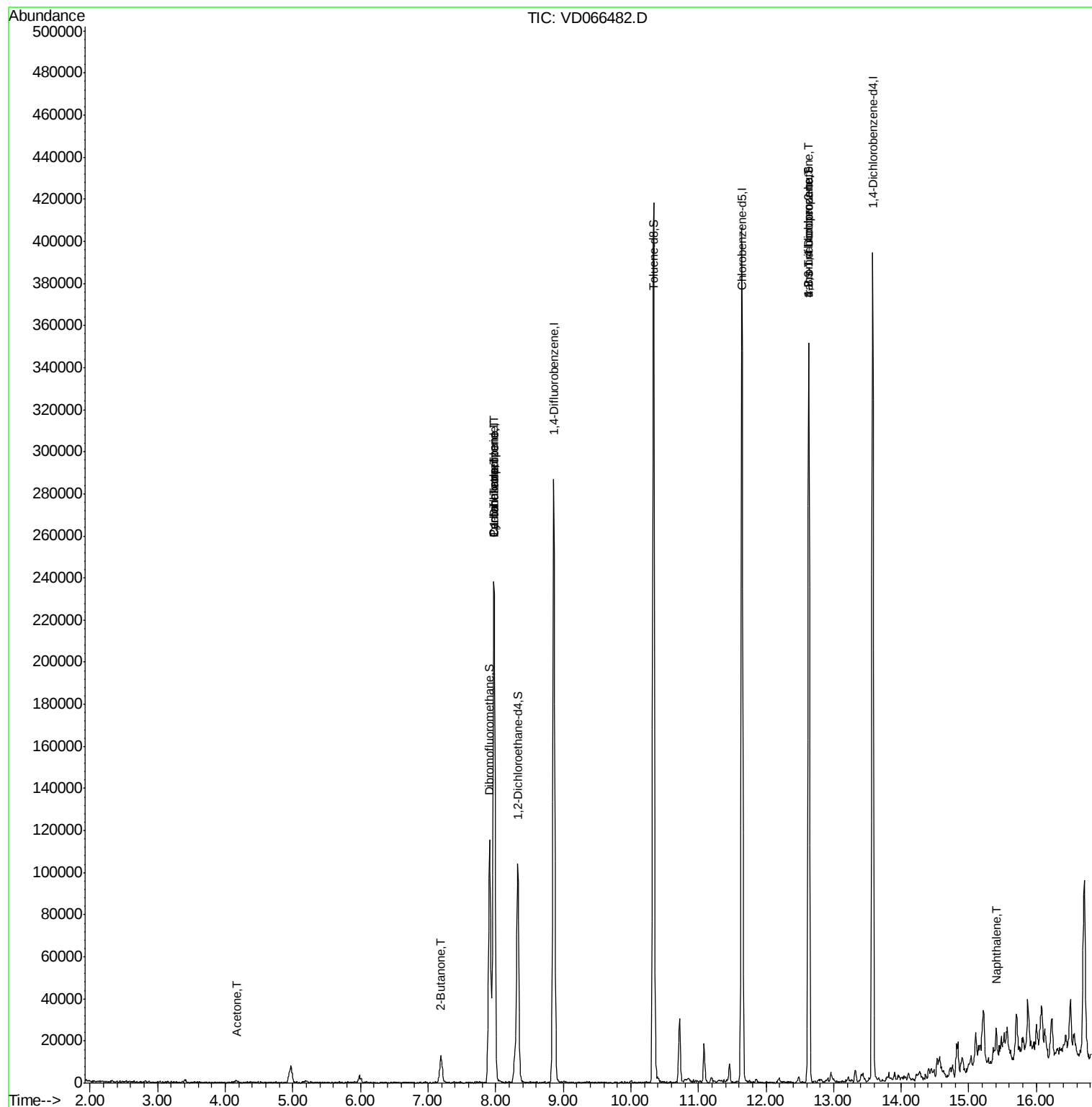
Quant Time: Sep 01 01:01:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

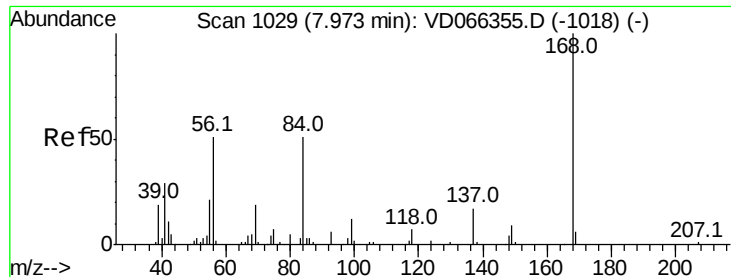
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	176379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	247577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	222944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	104332	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	94195	54.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.94%	
35) Dibromofluoromethane	7.91	113	76859	49.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.30%	
50) Toluene-d8	10.34	98	284247	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.63	95	92809	46.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.34%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.19	59	447	Below Cal	#	71
16) Acetone	4.16	43	1700	5.453	ug/l #	46
20) Methylene Chloride	4.97	84	5708	Below Cal	#	91
25) 2-Butanone	7.19	43	530	1.498	ug/l #	47
31) Cyclohexane	7.98	56	3717	1.548	ug/l #	28
36) 1,1-Dichloropropene	7.98	75	12876	5.700	ug/l #	51
38) Carbon Tetrachloride	7.98	117	18337	6.231	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	58625	79.873	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	58625	169.544	ug/l #	6
95) Naphthalene	15.41	128	14439	4.131	ug/l #	94

(#) = 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: VD066482.D

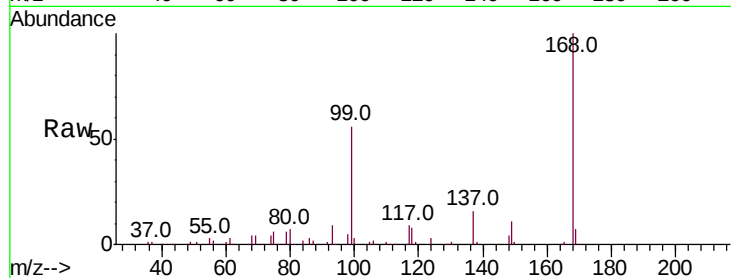
Acq: 31 Aug 2020 14:50

Tot Ion:168 Resp: 176379

Ion Ratio Lower Upper

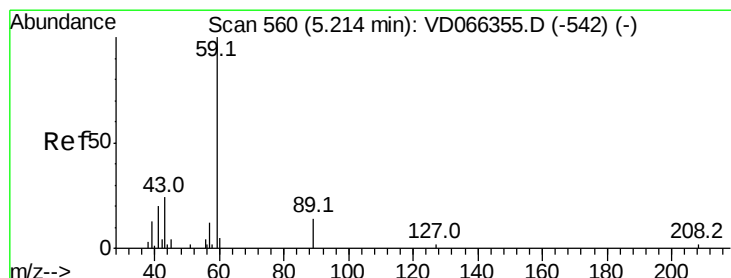
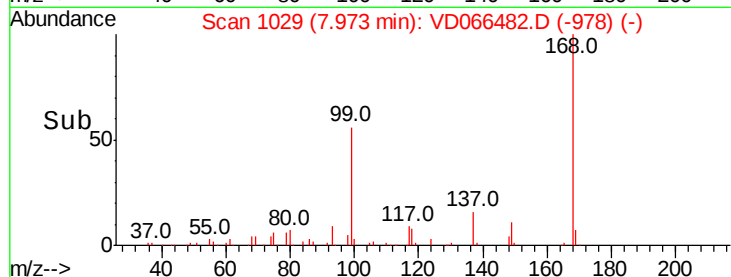
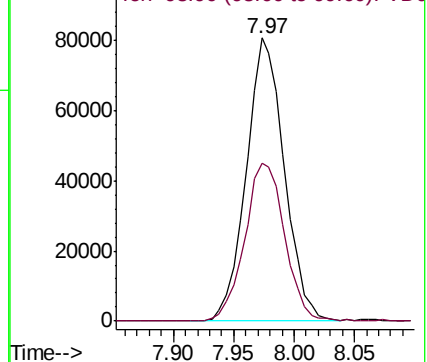
168 100

99 55.7 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# 556

Delta R.T. -0.02 min

Lab File: VD066482.D

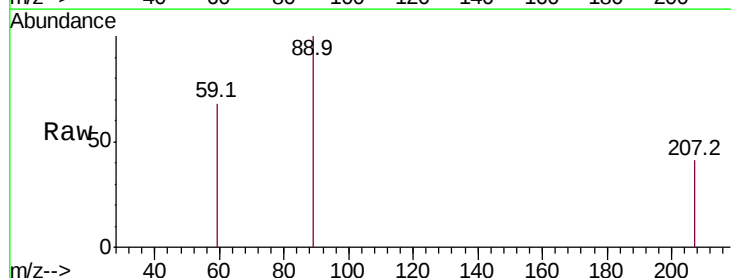
Acq: 31 Aug 2020 14:50

Tgt Ion: 59 Resp: 447

Ion Ratio Lower Upper

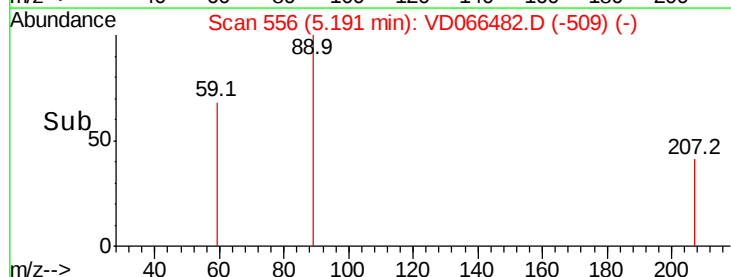
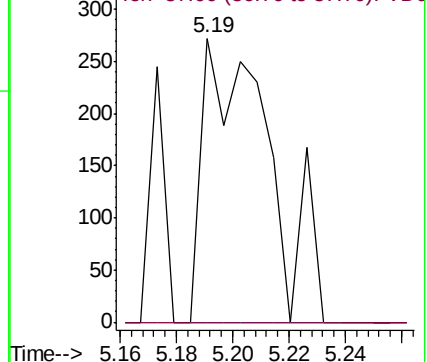
59 100

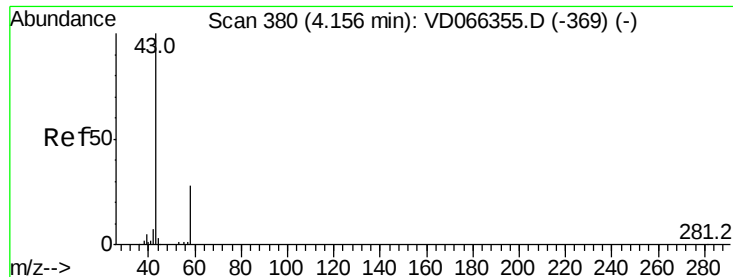
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 5.453 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066482.D

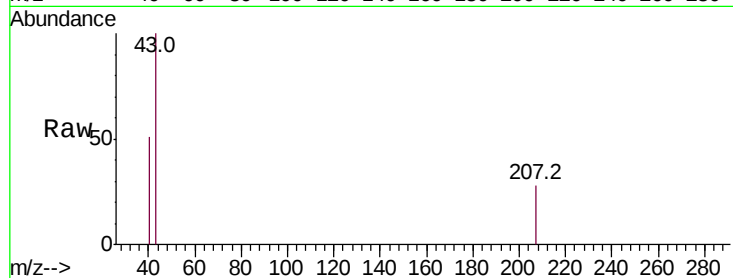
Acq: 31 Aug 2020 14:50

Tot Ion: 43 Resp: 1700

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

4.16

800

600

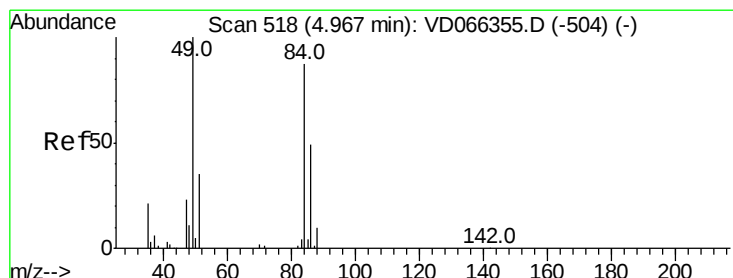
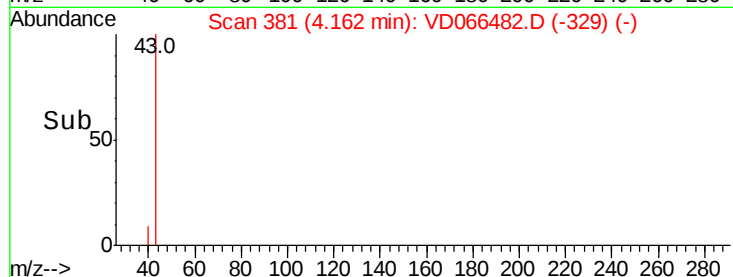
400

200

0

4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD066482.D

Acq: 31 Aug 2020 14:50

Tgt Ion: 84 Resp: 5708

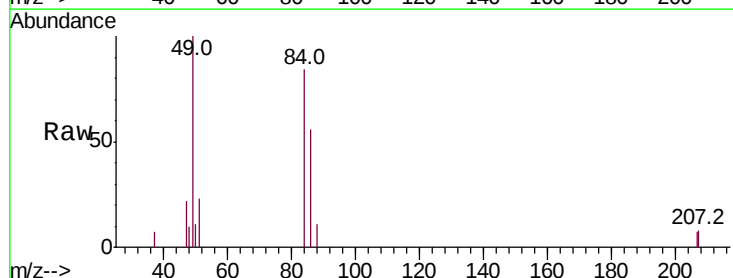
Ion Ratio Lower Upper

84 100

49 118.4 92.5 138.7

51 27.1 32.5 48.7#

86 66.4 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

3000

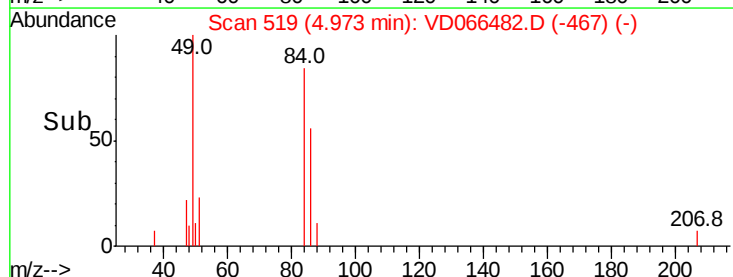
2000

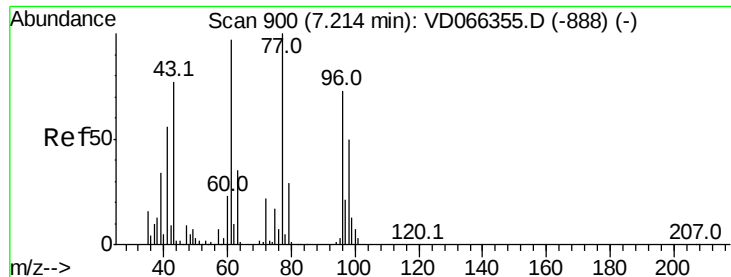
1000

0

4.90 4.95 5.00 5.05

Time-->





#25

2-Butanone

Concen: 1.498 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066482.D

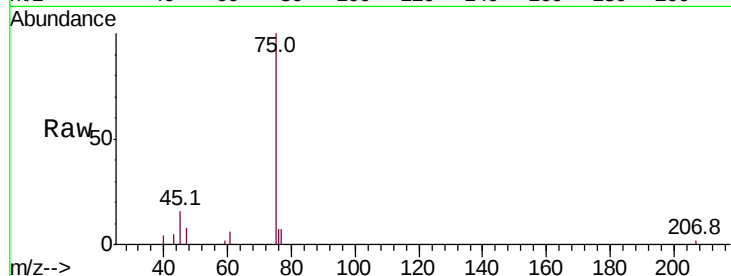
Acq: 31 Aug 2020 14:50

Tot Ion: 43 Resp: 530

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

7.19

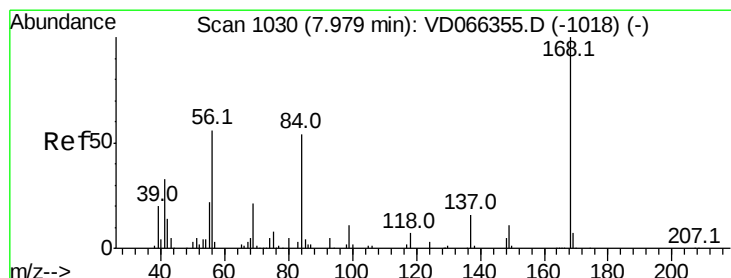
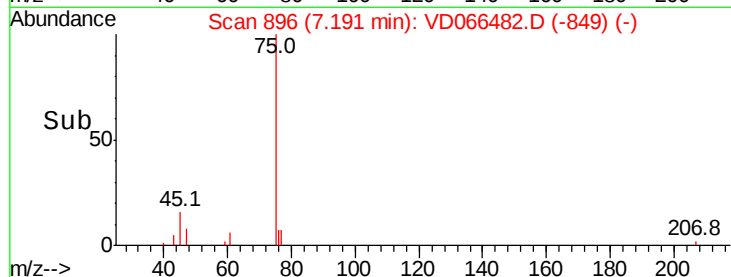
300

200

100

0

Time--> 7.14 7.16 7.18 7.20 7.22



#31

Cyclohexane

Concen: 1.548 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066482.D

Acq: 31 Aug 2020 14:50

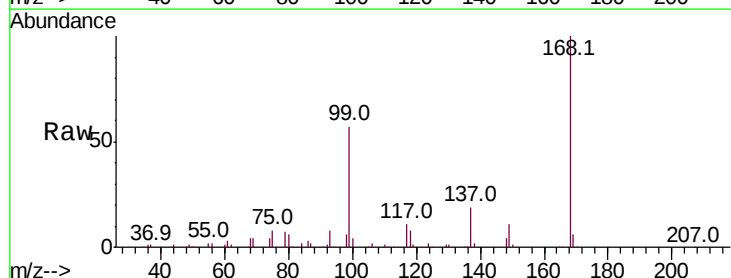
Tgt Ion: 56 Resp: 3717

Ion Ratio Lower Upper

56 100

69 163.7 29.6 44.4#

84 78.8 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

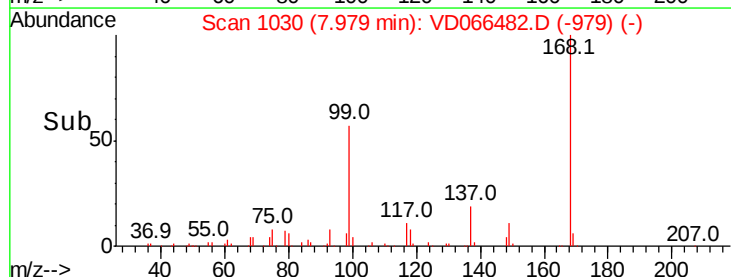
3000

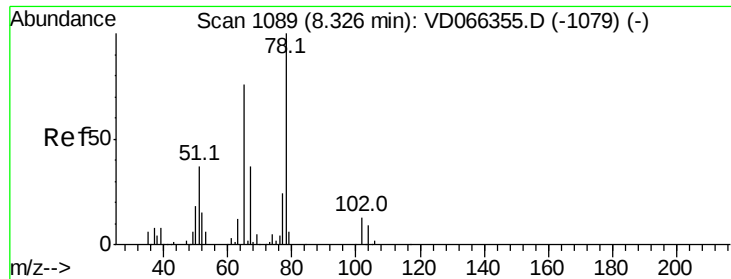
2000

1000

0

Time--> 7.90 7.95 8.00 8.05





#33

1,2-Dichloroethane-d4

Concen: 54.473 ug/l

RT: 8.33 min Scan# 1089

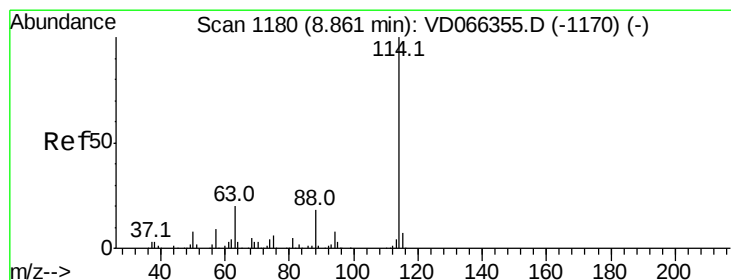
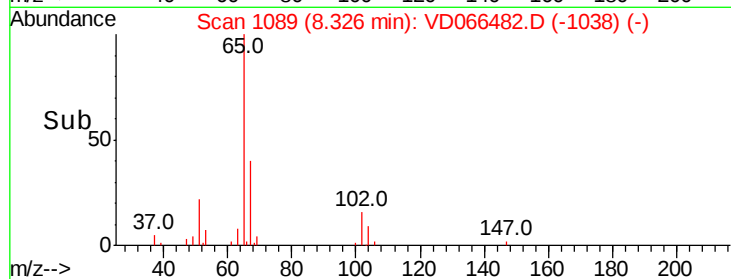
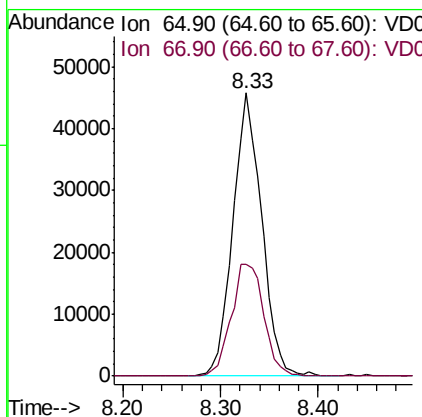
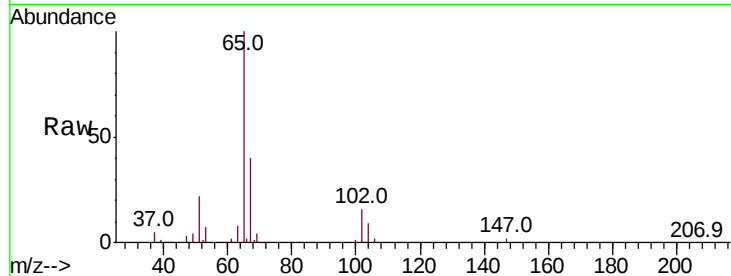
Delta R.T. 0.00 min

Lab File: VD066482.D

Acq: 31 Aug 2020 14:50

Tot Ion: 65 Resp: 94195

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

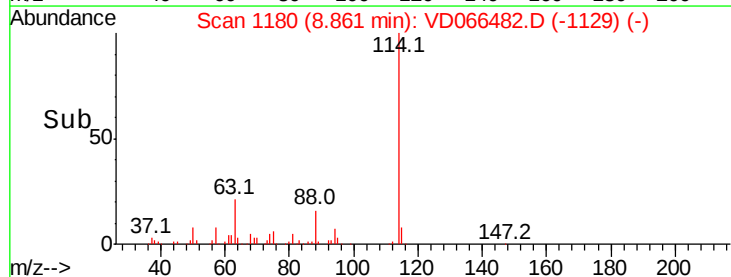
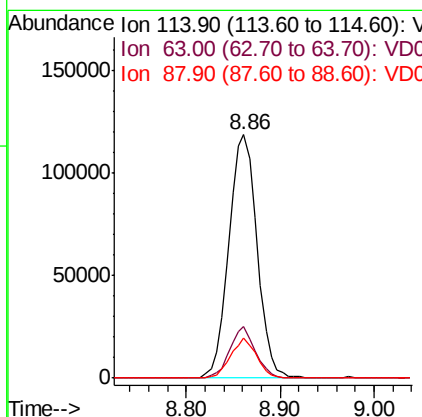
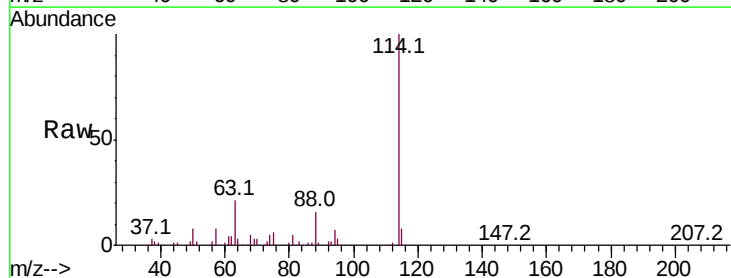
Delta R.T. 0.00 min

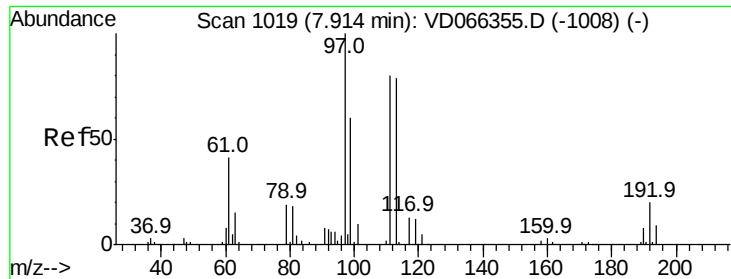
Lab File: VD066482.D

Acq: 31 Aug 2020 14:50

Tgt Ion: 114 Resp: 247577

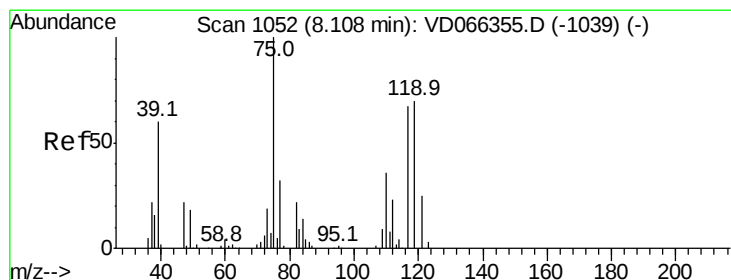
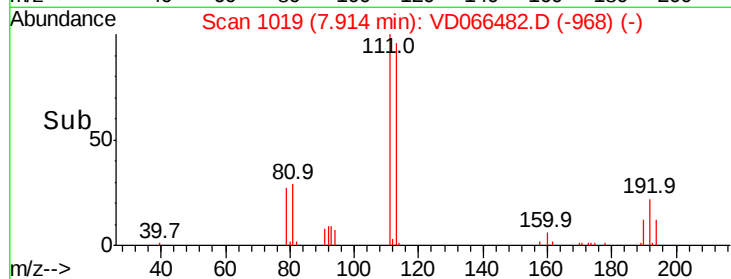
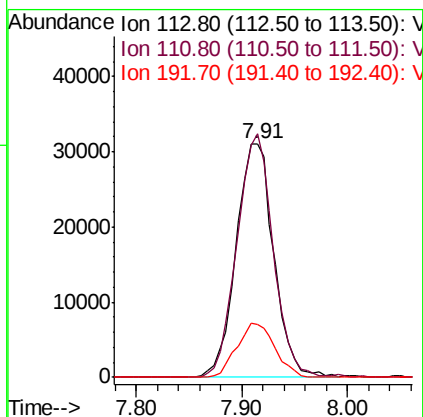
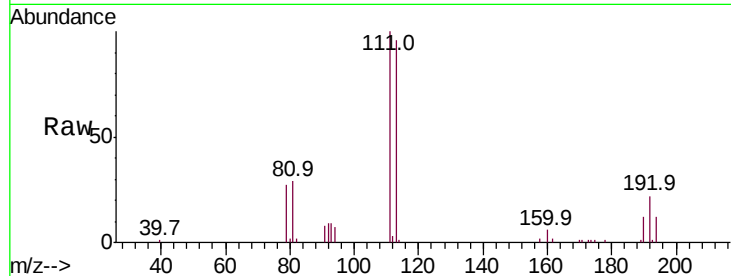
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.8
88	16.4	0.0	35.4





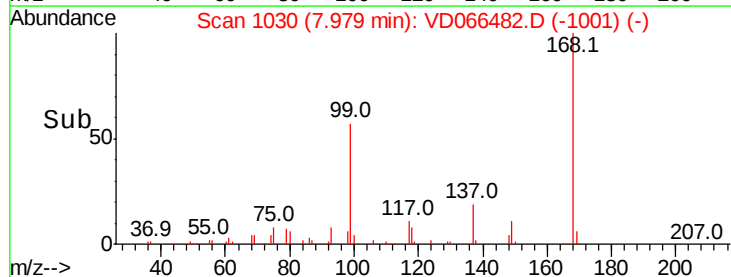
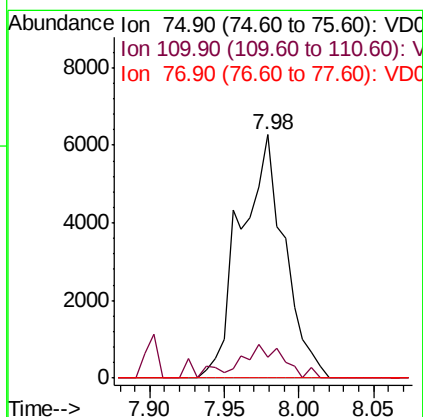
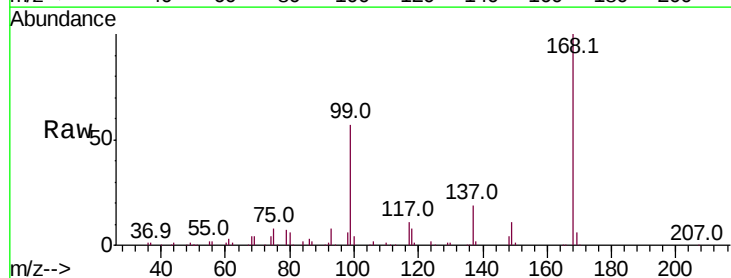
#35
 Dibromofluoromethane
 Concen: 49.647 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066482.D
 Acq: 31 Aug 2020 14:50

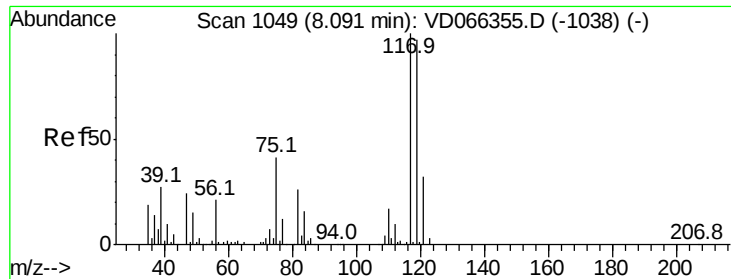
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	80.3	120.5
192	23.3	19.0	28.6



#36
 1,1-Dichloropropene
 Concen: 5.700 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066482.D
 Acq: 31 Aug 2020 14:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.2	18.7	56.1#
77	0.0	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 6.231 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066482.D

Acq: 31 Aug 2020 14:50

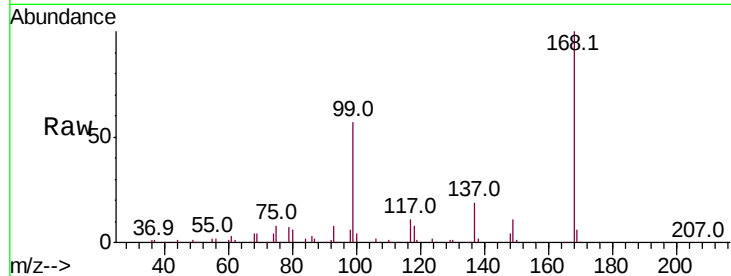
Tot Ion:117 Resp: 18337

Ion Ratio Lower Upper

117 100

119 6.3 77.2 115.8#

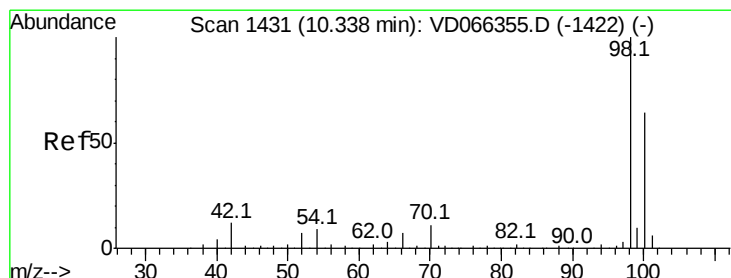
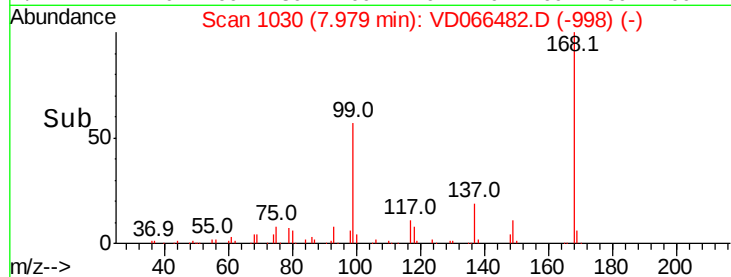
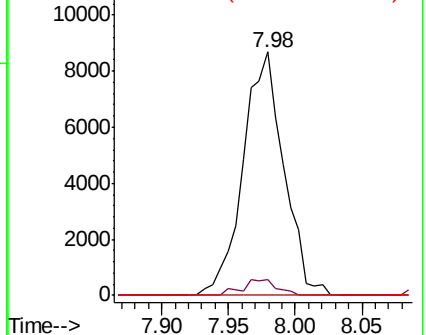
121 0.0 25.8 38.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.182 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066482.D

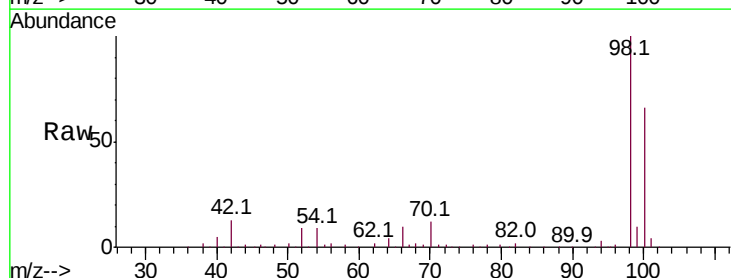
Acq: 31 Aug 2020 14:50

Tgt Ion: 98 Resp: 284247

Ion Ratio Lower Upper

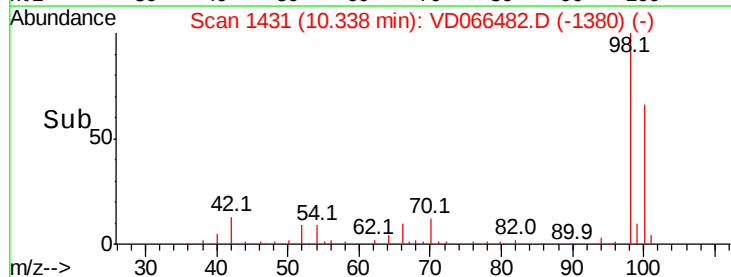
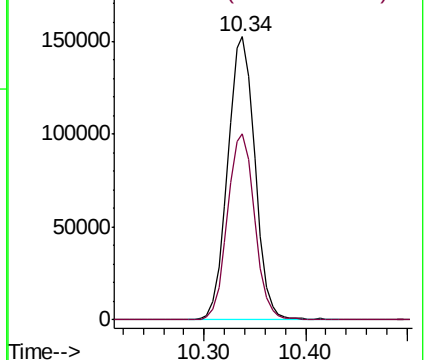
98 100

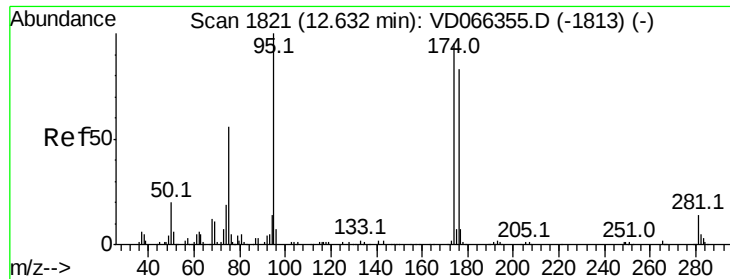
100 65.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

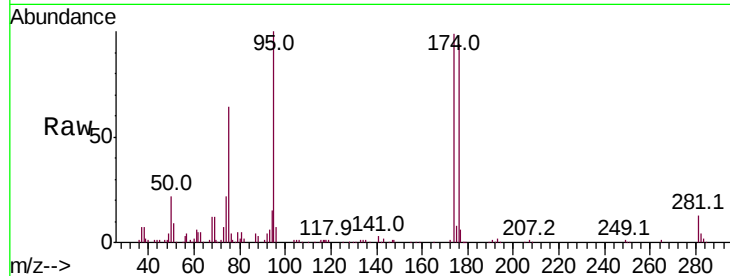
Ion 100.00 (99.70 to 100.70): V



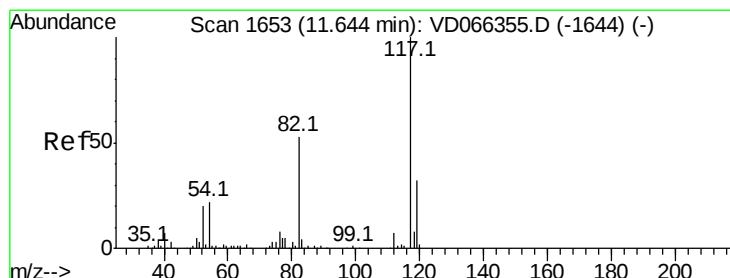
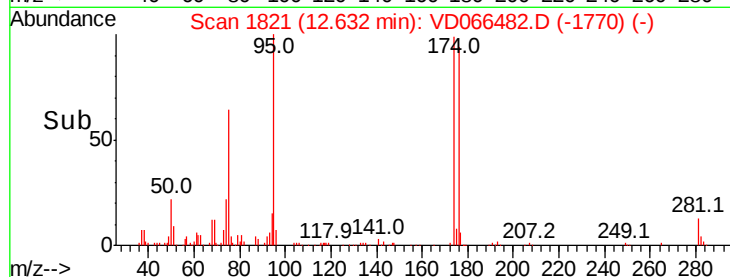
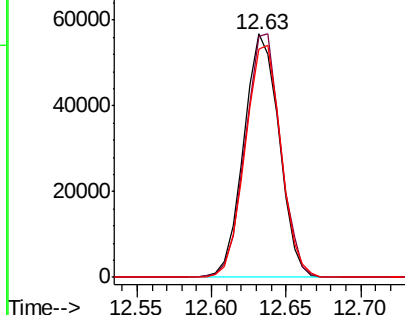


#62
4-Bromofluorobenzene
Concen: 46.175 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066482.D
Acq: 31 Aug 2020 14:50

Tot Ion: 95 Resp: 92809
Ion Ratio Lower Upper
95 100
174 100.0 0.0 183.4
176 96.4 0.0 173.8

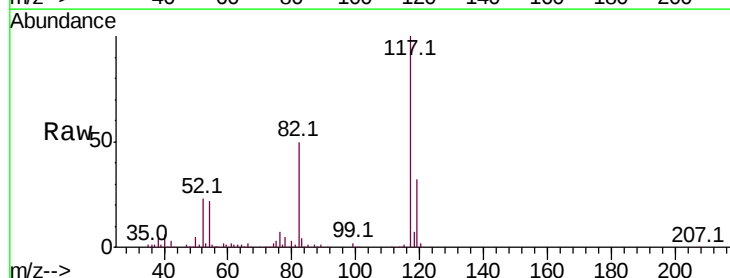


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

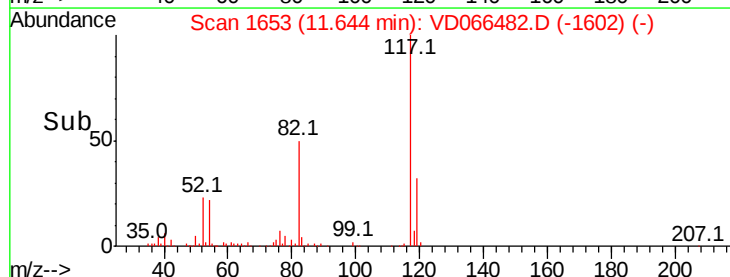
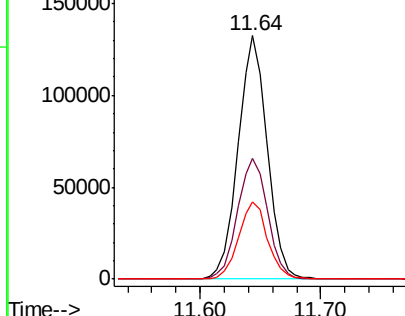


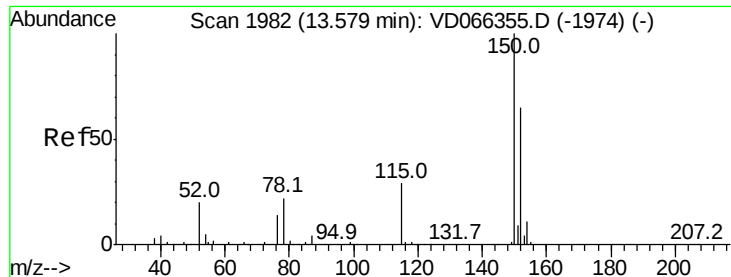
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066482.D
Acq: 31 Aug 2020 14:50

Tgt Ion: 117 Resp: 222944
Ion Ratio Lower Upper
117 100
82 49.5 42.8 64.2
119 31.9 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

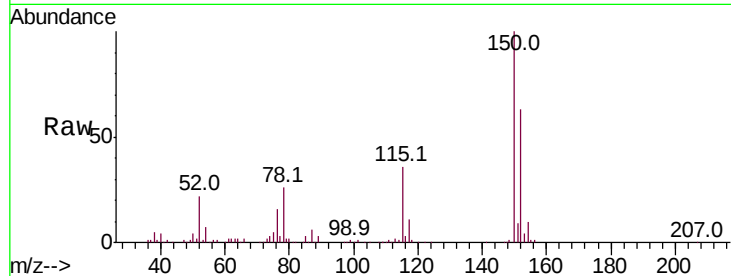




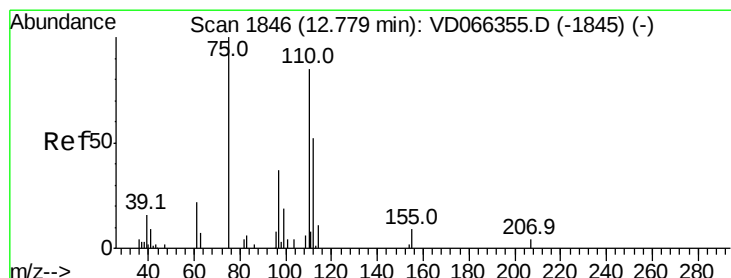
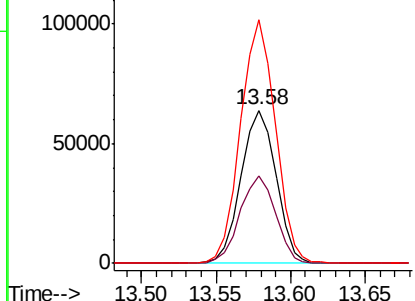
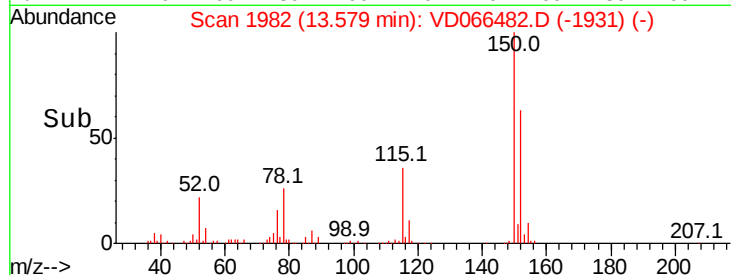
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066482.D
Acq: 31 Aug 2020 14:50

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.3	85.0
150	157.7	0.0	343.2



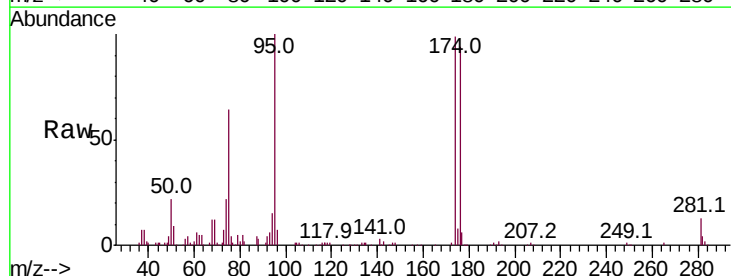
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



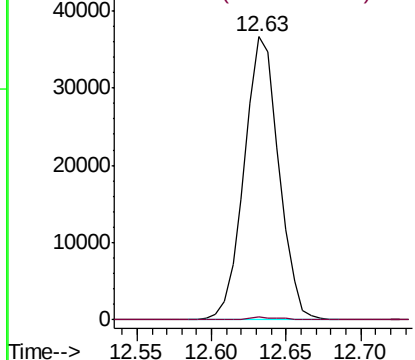
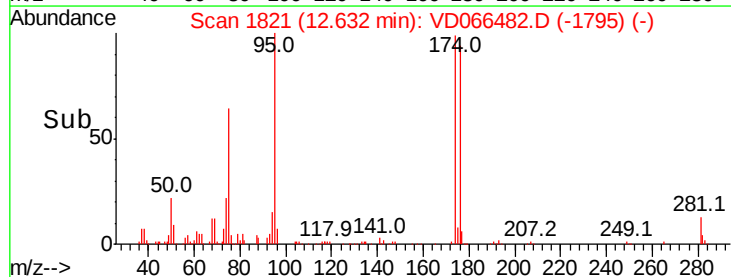
#76

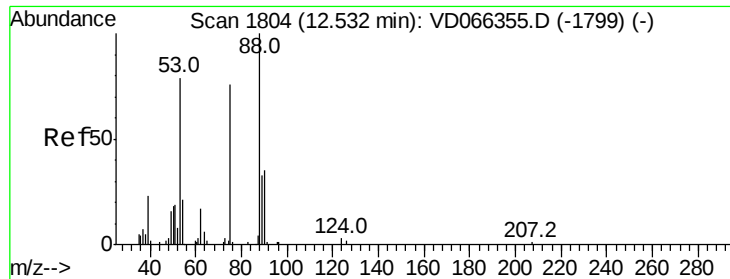
1,2,3-Trichloropropane
Concen: 79.873 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066482.D
Acq: 31 Aug 2020 14:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.8	182.9	548.9#



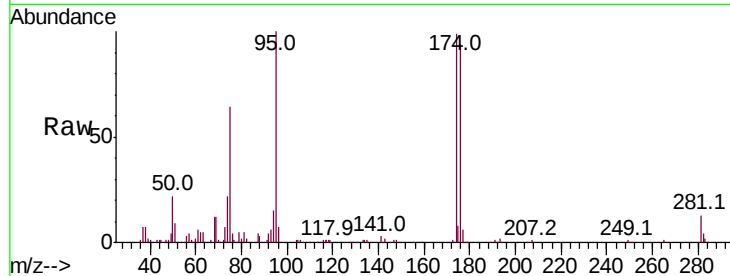
Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V



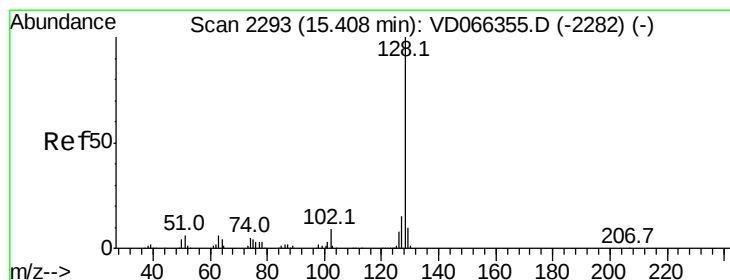
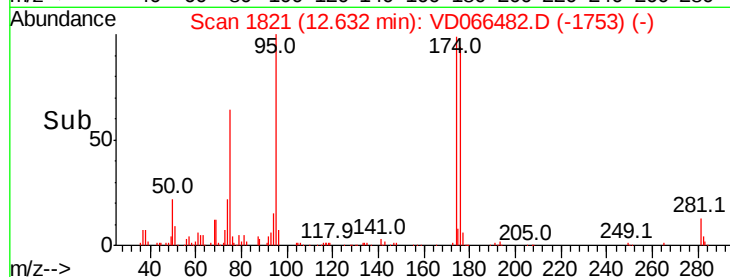
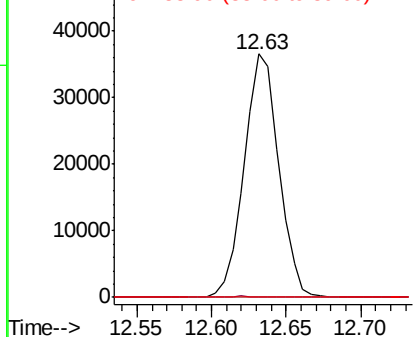


#81
trans-1,4-Dichloro-2-butene
Concen: 169.544 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.10 min
Lab File: VD066482.D
Acq: 31 Aug 2020 14:50

Tot Ion: 75 Resp: 58625
Ion Ratio Lower Upper
75 100
53 0.1 87.4 131.2#
89 0.0 39.4 59.0#

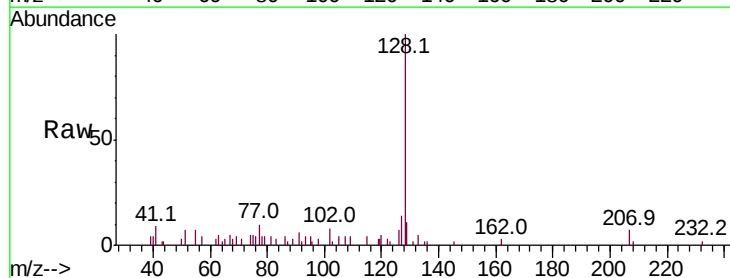


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#95
Naphthalene
Concen: 4.131 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066482.D
Acq: 31 Aug 2020 14:50

Tgt Ion: 128 Resp: 14439
Ion Ratio Lower Upper
128 100
127 17.3 10.7 16.1#
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

