

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083120\
 Data File : VD066484.D
 Acq On : 31 Aug 2020 15:45
 Operator : VA/SY
 Sample : L3847-10
 Misc : 3.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 01 01:02:13 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	173641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	245136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	218097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	93614	50.00	ug/l	0.00

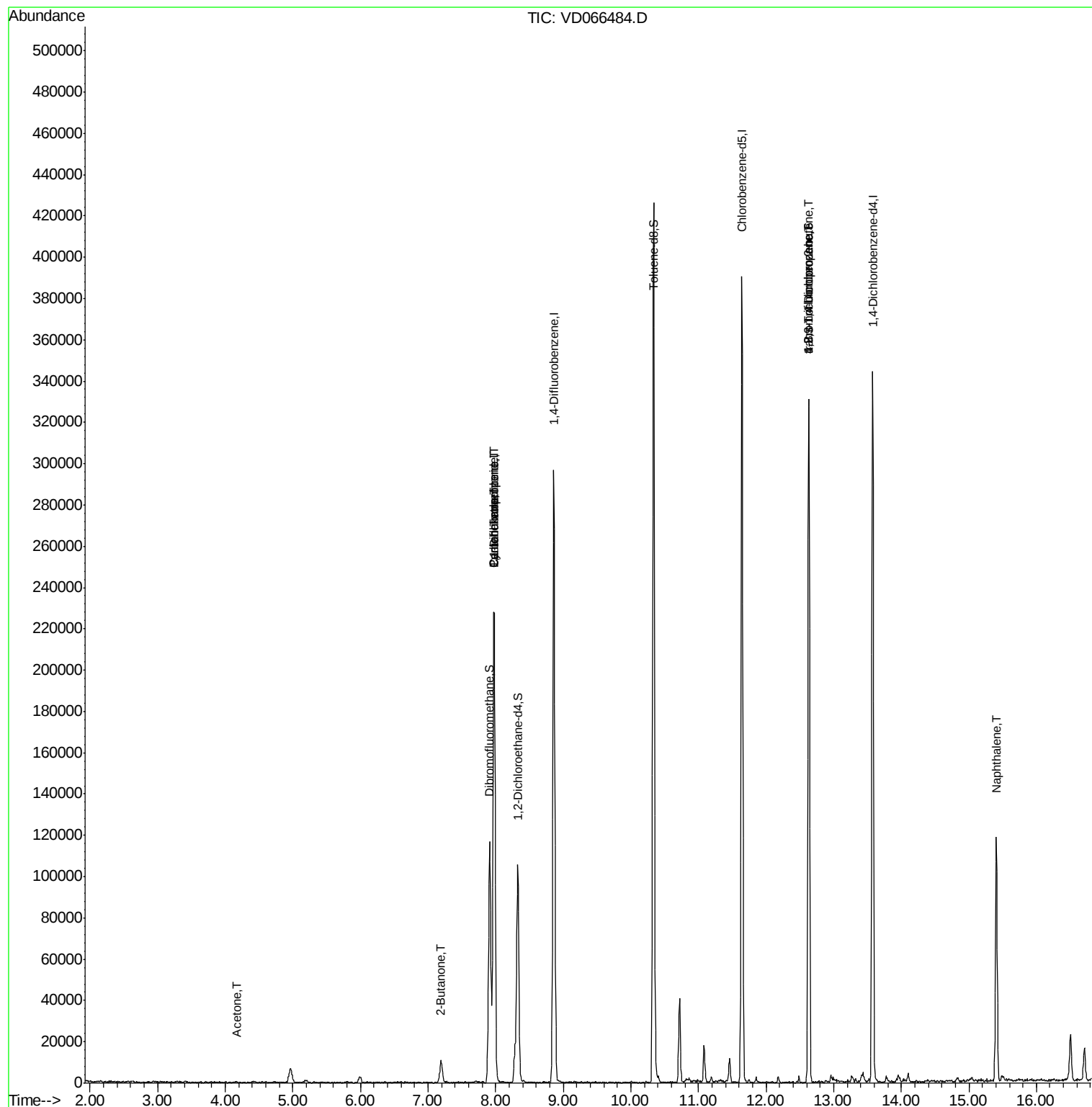
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	95383	56.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.06%	
35) Dibromofluoromethane	7.91	113	75591	49.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.62%	
50) Toluene-d8	10.34	98	282391	50.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.64	95	87704	44.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.14%	

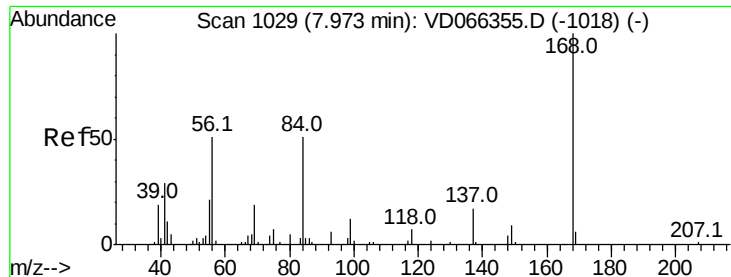
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	326	Below Cal	#	71
16) Acetone	4.17	43	615	2.004	ug/l #	46
20) Methylene Chloride	4.96	84	6112	Below Cal	#	74
25) 2-Butanone	7.19	43	405	1.162	ug/l #	47
31) Cyclohexane	7.97	56	3577	1.513	ug/l #	24
36) 1,1-Dichloropropene	7.97	75	12709	5.682	ug/l #	52
38) Carbon Tetrachloride	7.97	117	18768	6.440	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	53154	80.710	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	53154	171.322	ug/l #	6
95) Naphthalene	15.41	128	103785	33.092	ug/l	99

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

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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: VD066484.D

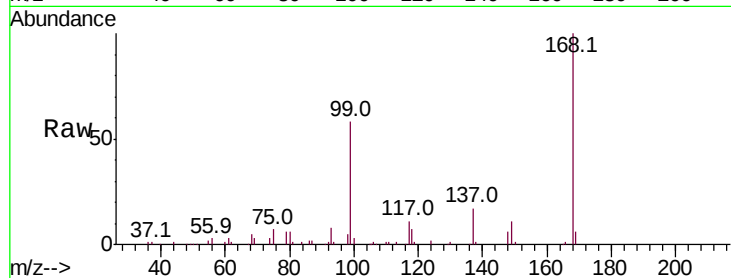
Acq: 31 Aug 2020 15:45

Tot Ion:168 Resp: 173641

Ion Ratio Lower Upper

168 100

99 58.0 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

80000

60000

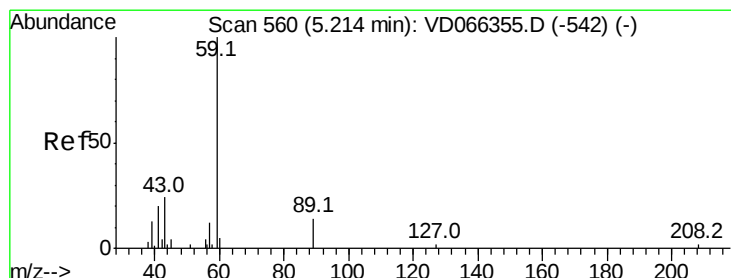
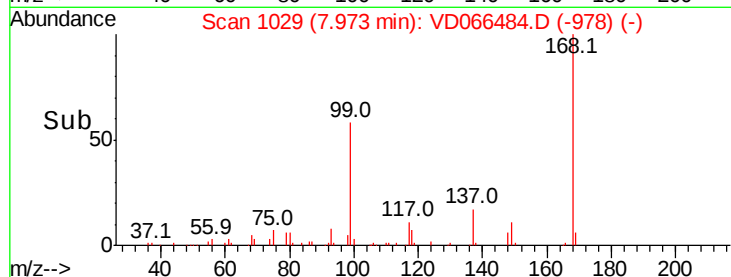
40000

20000

0

Time-->

7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD066484.D

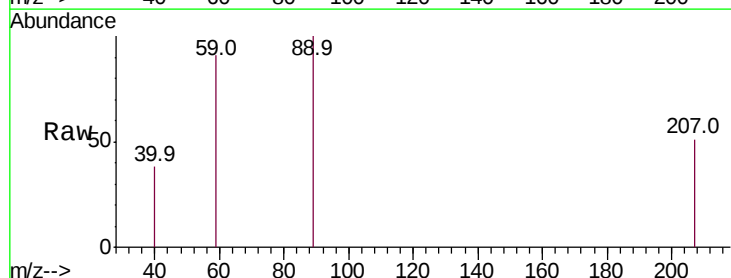
Acq: 31 Aug 2020 15:45

Tgt Ion: 59 Resp: 326

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

5.21

400

300

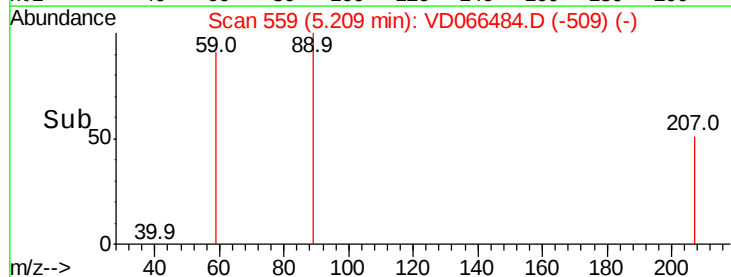
200

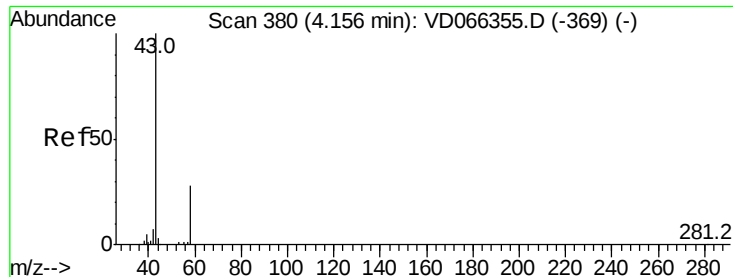
100

0

Time-->

5.20 5.22





#16

Acetone

Concen: 2.004 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066484.D

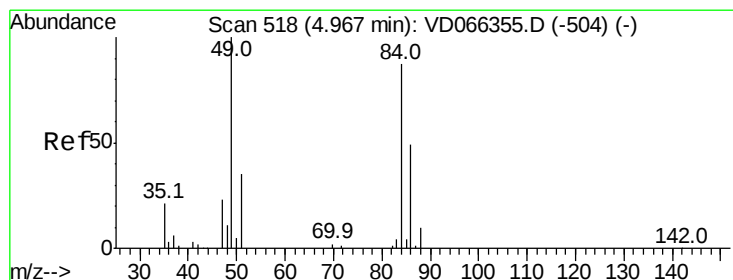
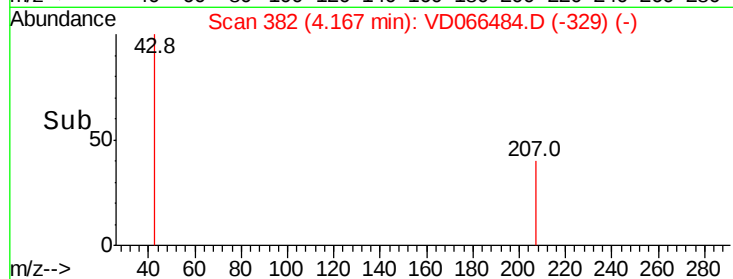
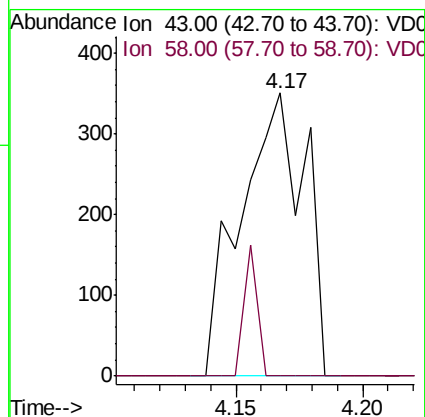
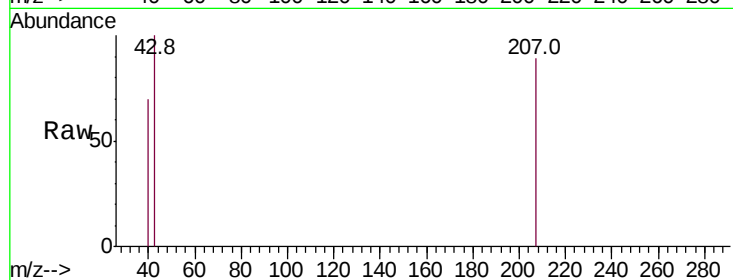
Acq: 31 Aug 2020 15:45

Tot Ion: 43 Resp: 615

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD066484.D

Acq: 31 Aug 2020 15:45

Tgt Ion: 84 Resp: 6112

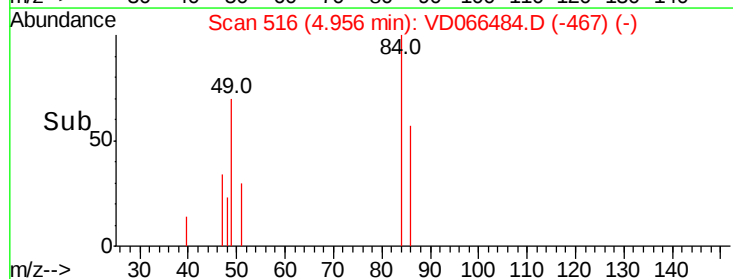
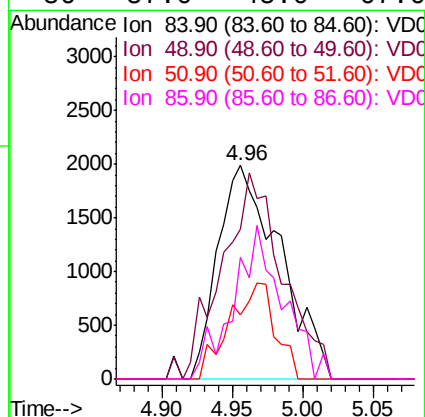
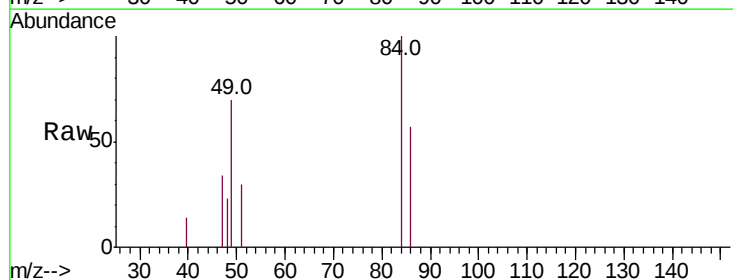
Ion Ratio Lower Upper

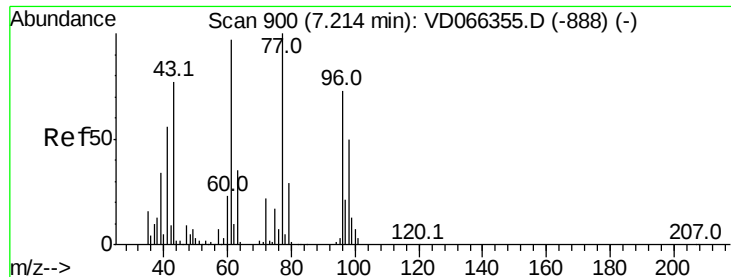
84 100

49 70.1 92.5 138.7#

51 29.8 32.5 48.7#

86 57.0 45.0 67.6





#25

2-Butanone

Concen: 1.162 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066484.D

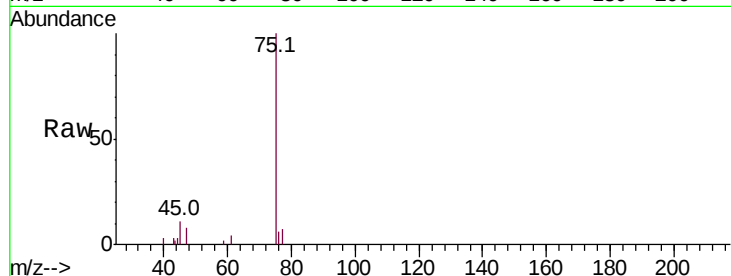
Acq: 31 Aug 2020 15:45

Tot Ion: 43 Resp: 405

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

400

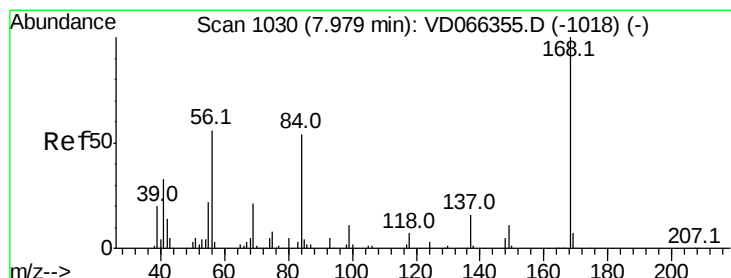
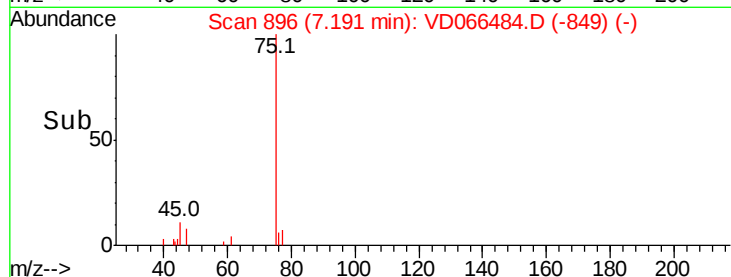
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.513 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066484.D

Acq: 31 Aug 2020 15:45

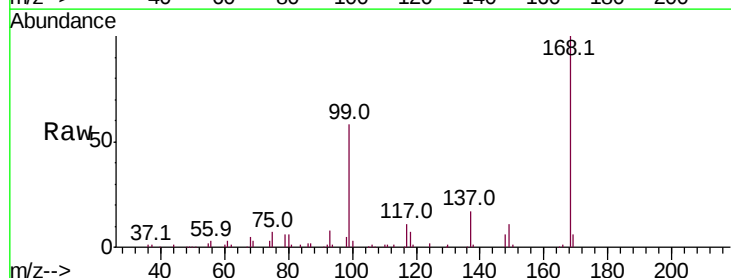
Tgt Ion: 56 Resp: 3577

Ion Ratio Lower Upper

56 100

69 126.7 29.6 44.4#

84 49.3 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

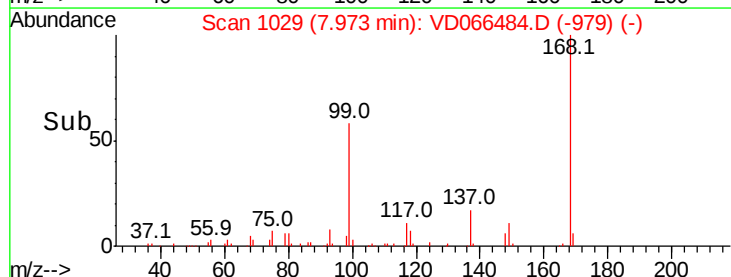
3000

2000

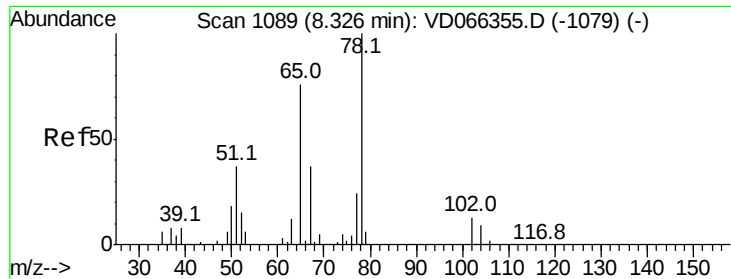
1000

0

Time-->

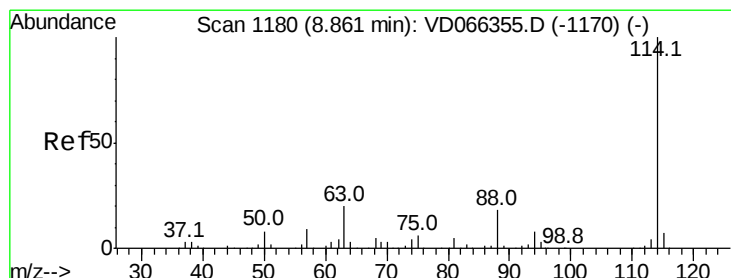
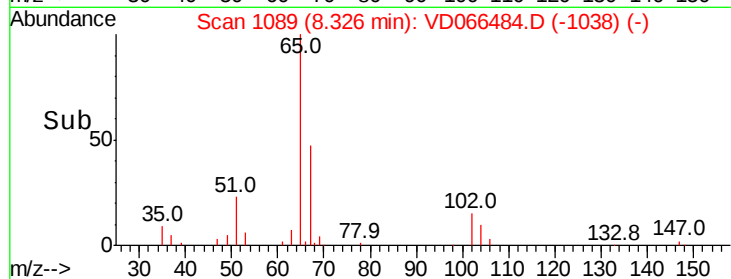
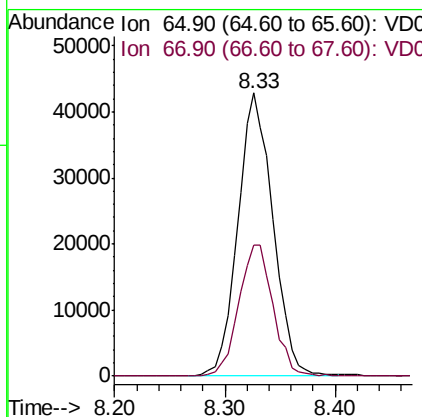
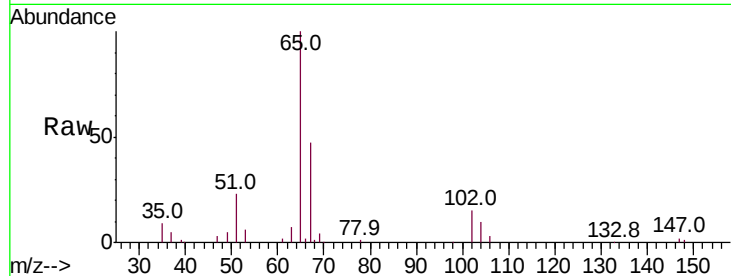


Time-->



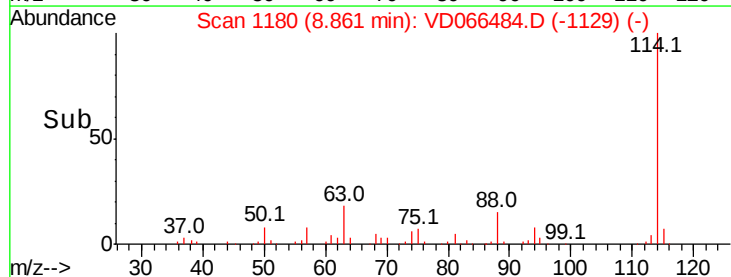
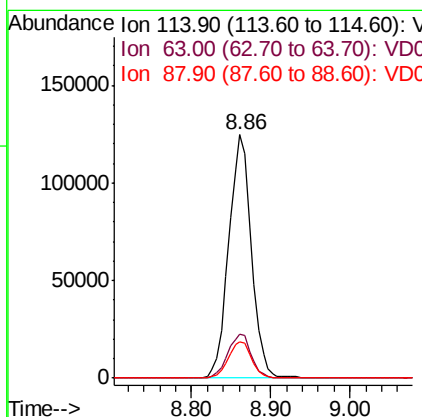
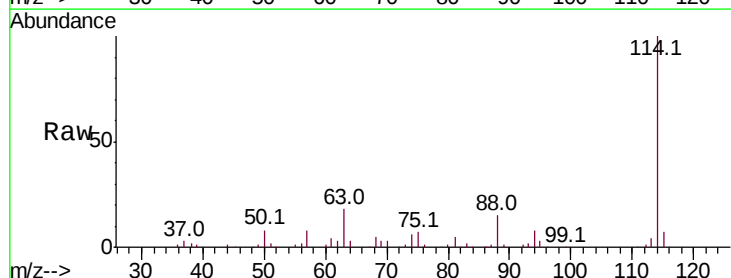
#33
 1,2-Dichloroethane-d4
 Concen: 56.030 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066484.D
 Acq: 31 Aug 2020 15:45

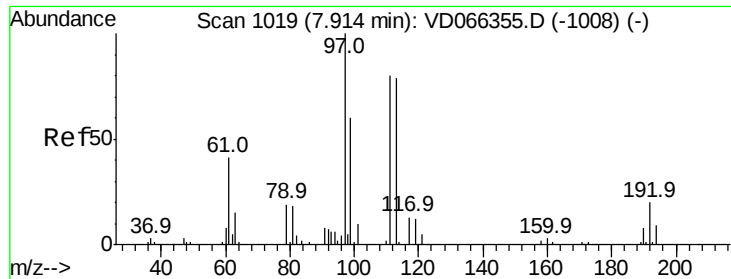
Tot Ion: 65 Resp: 95383
 Ion Ratio Lower Upper
 65 100
 67 45.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066484.D
 Acq: 31 Aug 2020 15:45

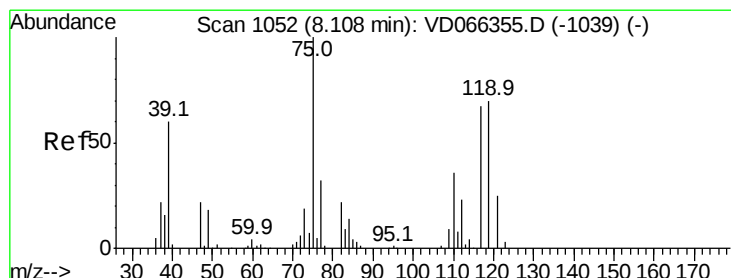
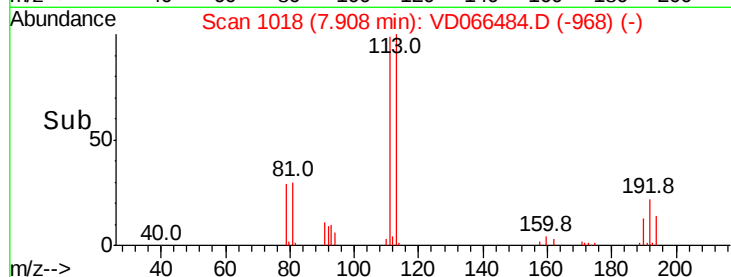
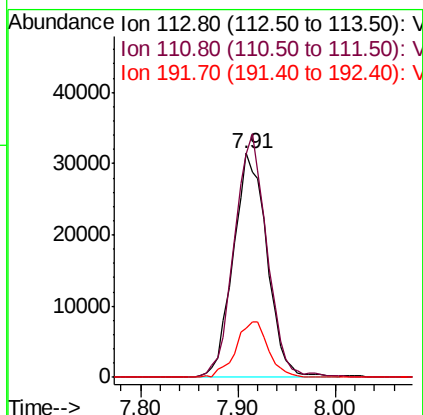
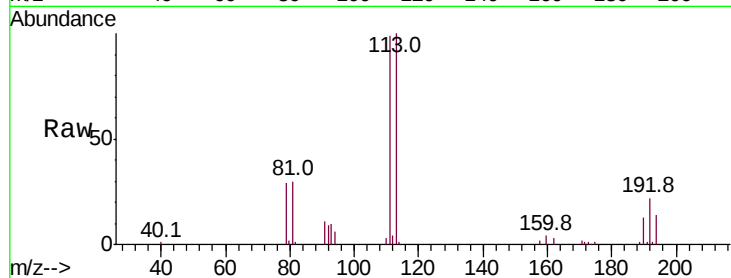
Tgt Ion: 114 Resp: 245136
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 40.8
 88 15.0 0.0 35.4





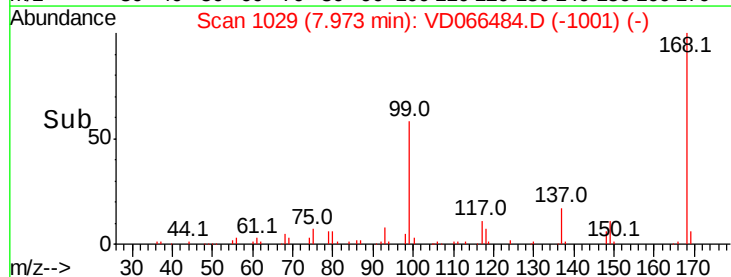
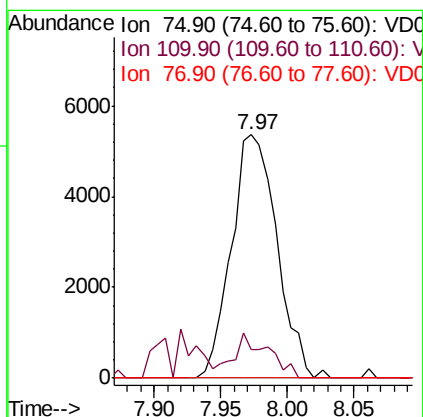
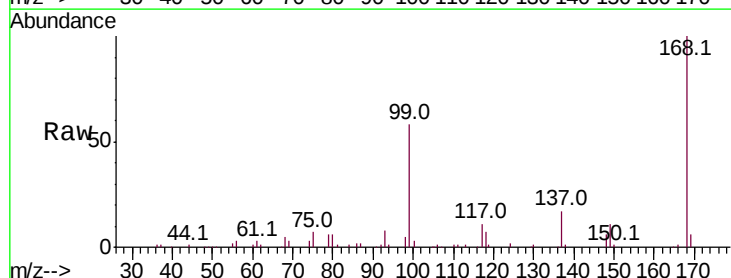
#35
 Dibromofluoromethane
 Concen: 49.314 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066484.D
 Acq: 31 Aug 2020 15:45

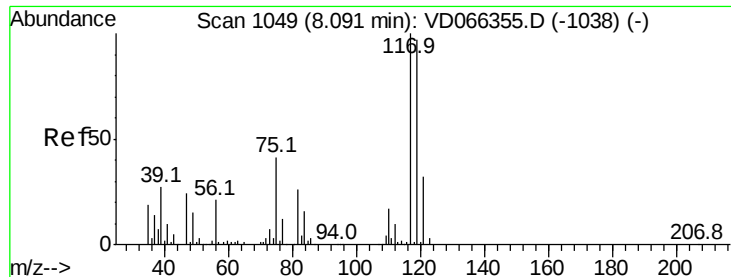
Tot Ion:113 Resp: 75591
 Ion Ratio Lower Upper
 113 100
 111 105.2 80.3 120.5
 192 23.8 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 5.682 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066484.D
 Acq: 31 Aug 2020 15:45

Tgt Ion: 75 Resp: 12709
 Ion Ratio Lower Upper
 75 100
 110 13.3 18.7 56.1#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 6.440 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066484.D

Acq: 31 Aug 2020 15:45

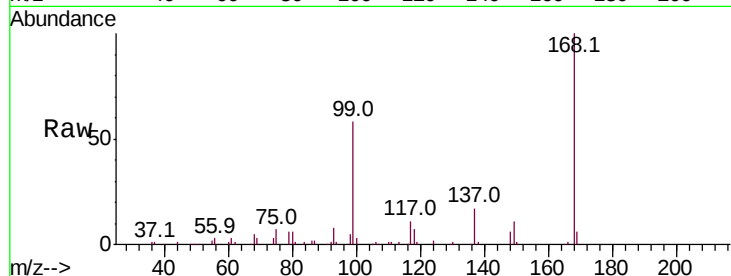
Tot Ion:117 Resp: 18768

Ion Ratio Lower Upper

117 100

119 6.5 77.2 115.8#

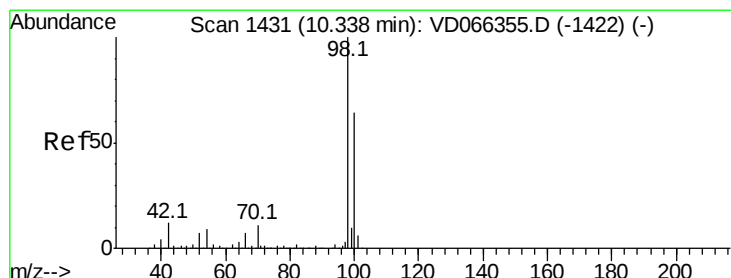
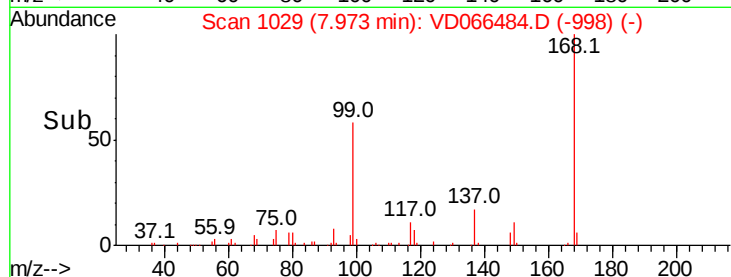
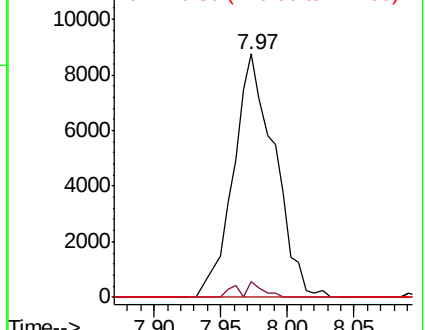
121 0.0 25.8 38.8#



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: 50.350 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066484.D

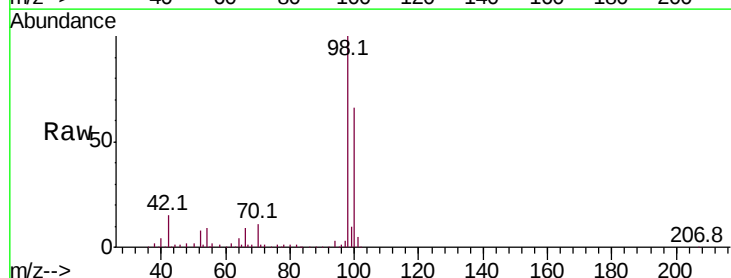
Acq: 31 Aug 2020 15:45

Tgt Ion: 98 Resp: 282391

Ion Ratio Lower Upper

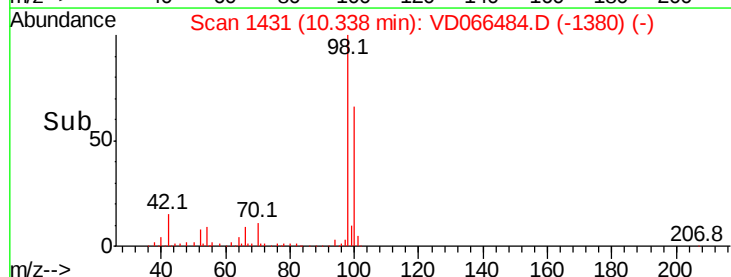
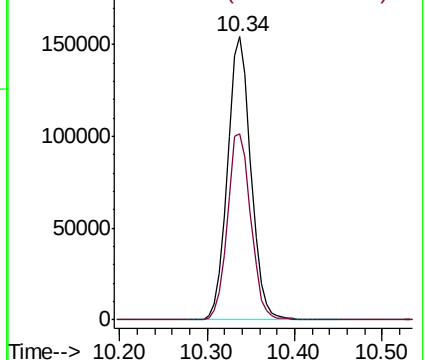
98 100

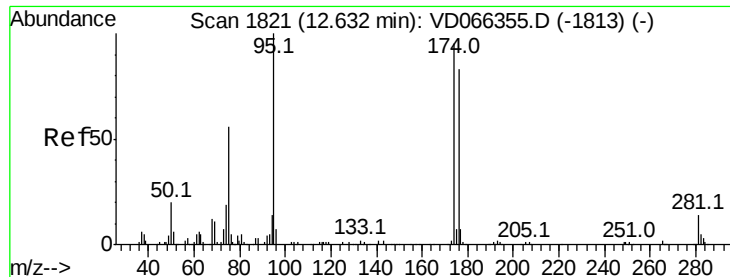
100 65.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

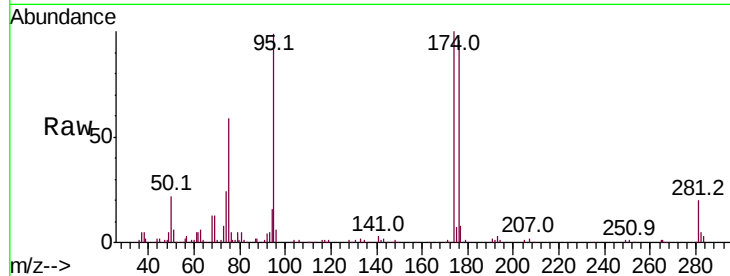
Ion 100.00 (99.70 to 100.70): V



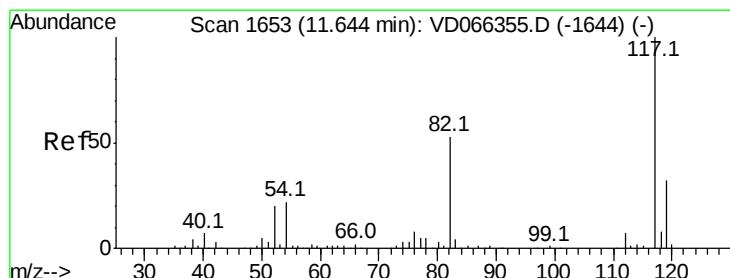
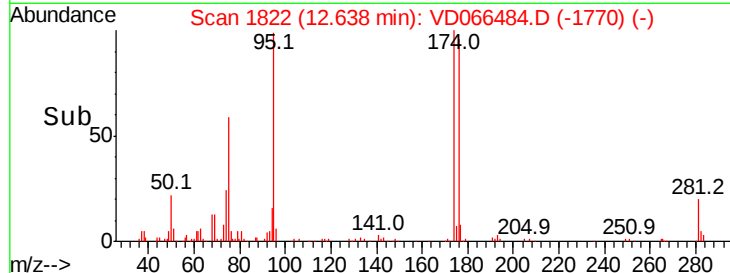
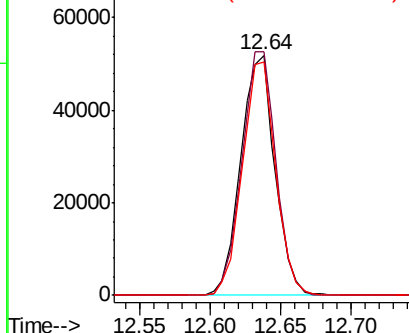


#62
4-Bromofluorobenzene
Concen: 44.069 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD066484.D
Acq: 31 Aug 2020 15:45

Tot Ion	Ratio	Lower	Upper
95	100		
174	101.5	0.0	183.4
176	95.1	0.0	173.8

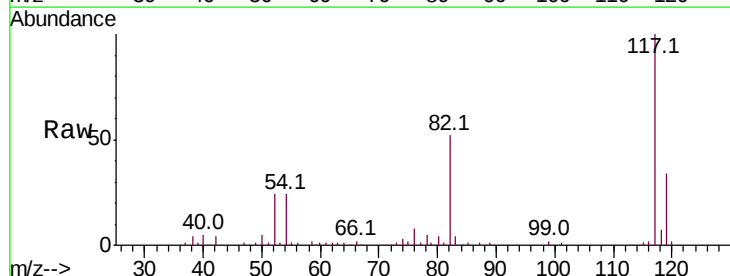


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

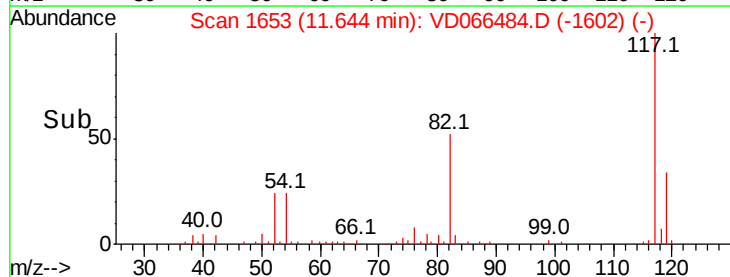
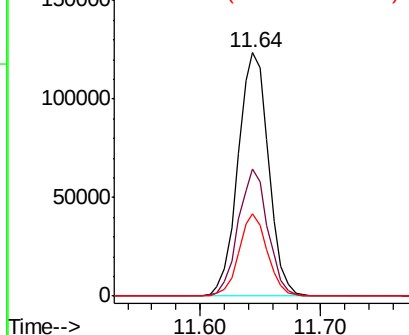


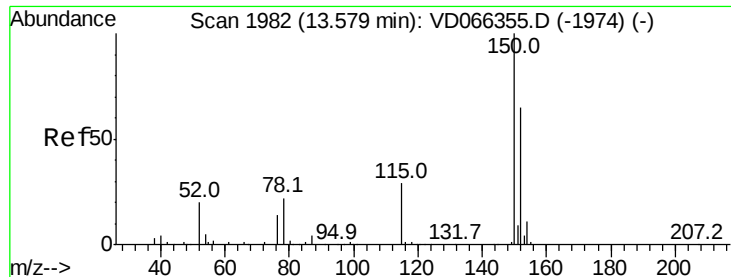
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066484.D
Acq: 31 Aug 2020 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.8	64.2
119	33.8	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

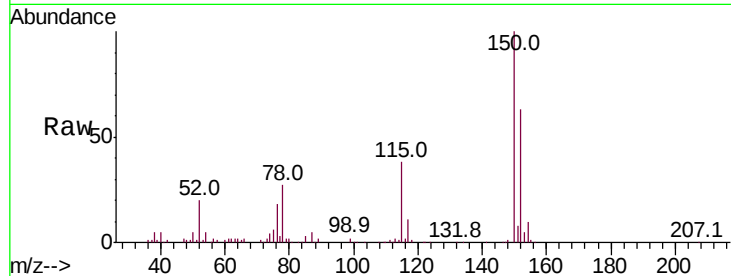




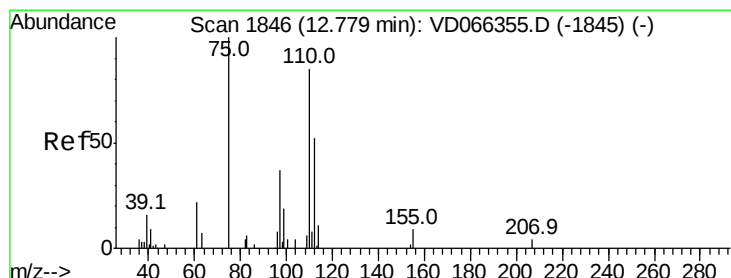
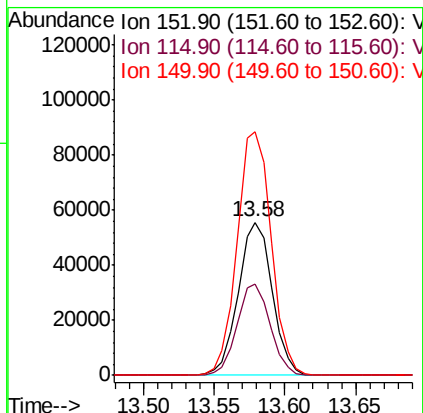
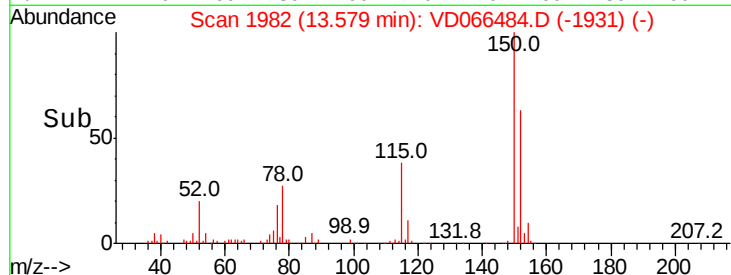
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066484.D
Acq: 31 Aug 2020 15:45

Tot Ion:152 Resp: 93614
Ion Ratio Lower Upper
152 100
115 57.7 28.3 85.0
150 159.6 0.0 343.2



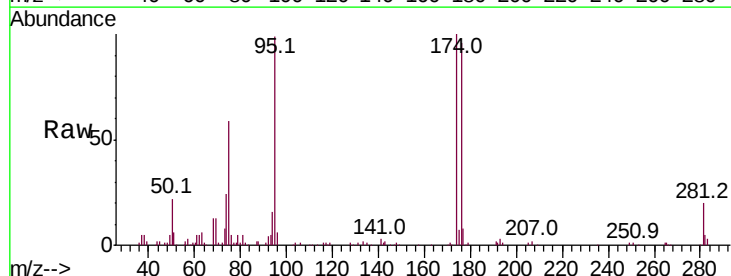
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



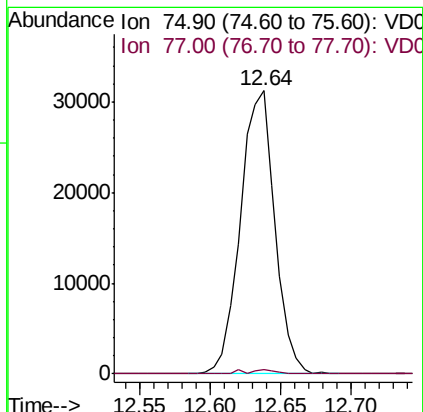
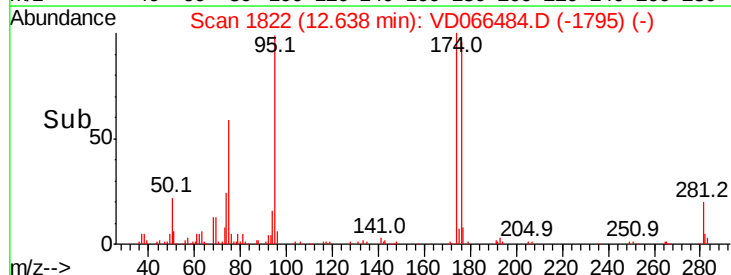
#76

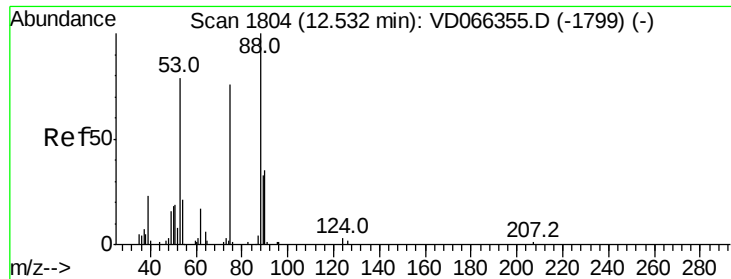
1,2,3-Trichloropropane
Concen: 80.710 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.14 min
Lab File: VD066484.D
Acq: 31 Aug 2020 15:45

Tgt Ion: 75 Resp: 53154
Ion Ratio Lower Upper
75 100
77 1.2 182.9 548.9#



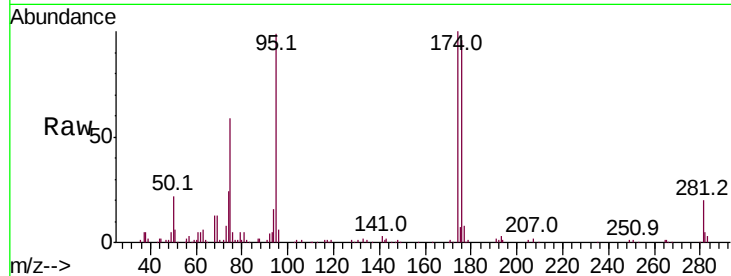
Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC



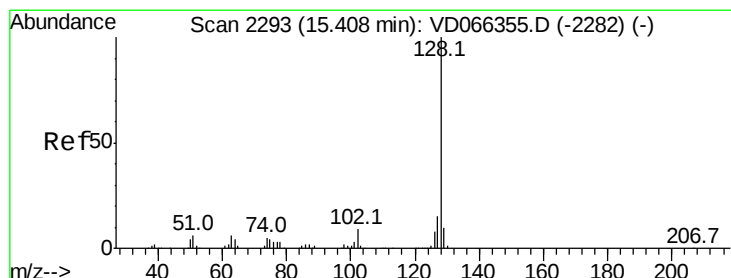
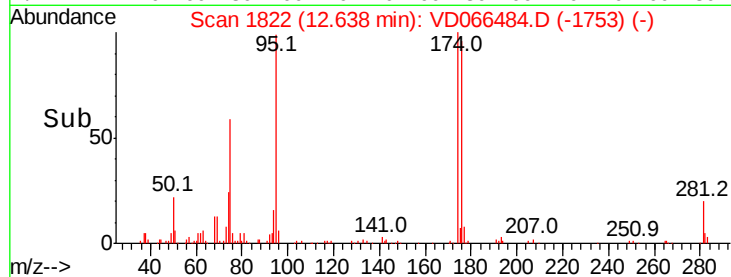
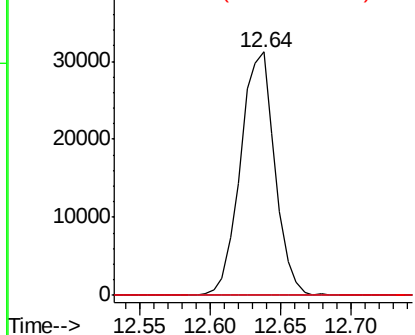


#81
trans-1,4-Dichloro-2-butene
Concen: 171.322 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD066484.D
Acq: 31 Aug 2020 15:45

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

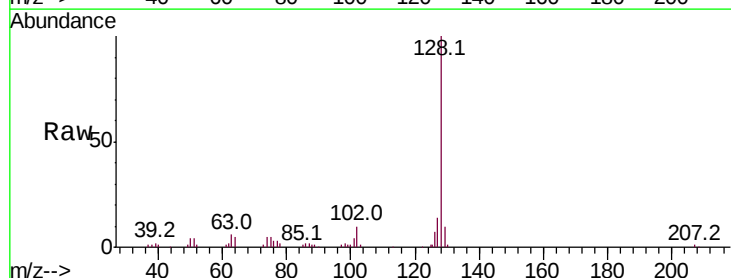


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#95
Naphthalene
Concen: 33.092 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066484.D
Acq: 31 Aug 2020 15:45

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	9.9	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

