

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090120\
 Data File : VD066500.D
 Acq On : 01 Sep 2020 17:06
 Operator : VA/SY
 Sample : L3851-10
 Misc : 7.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 24743

Quant Time: Sep 02 01:06:56 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	163302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	233487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	222073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	108058	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	91837	57.36	ug/l	0.00
Spiked Amount			Recovery	=	114.72%	
35) Dibromofluoromethane	7.91	113	72616	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	10.34	98	274319	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.63	95	99940	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	

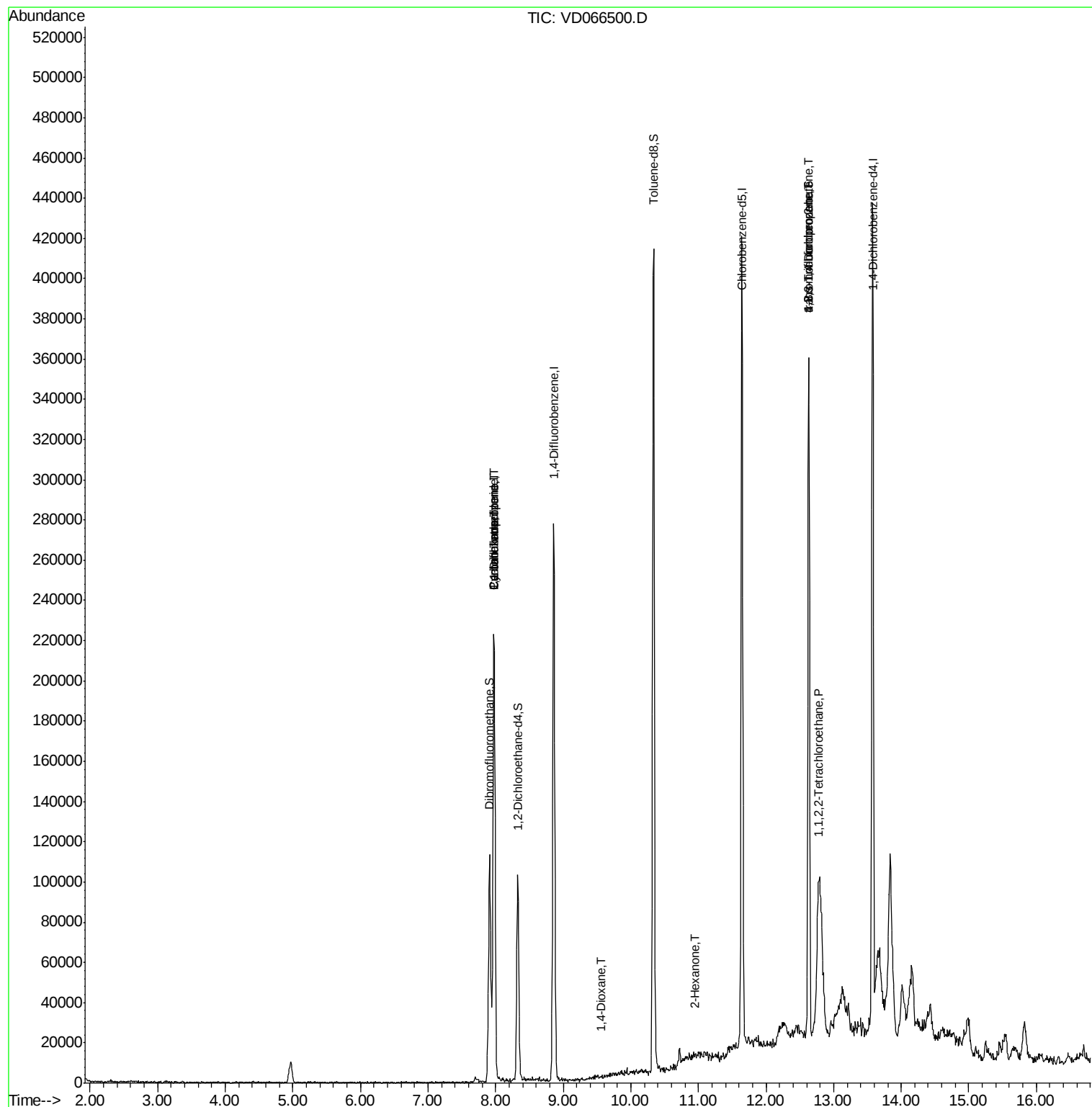
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.96	84	5815	Below Cal		92
31) Cyclohexane	7.98	56	3703	1.666	ug/l #	45
36) 1,1-Dichloropropene	7.97	75	11681	5.483	ug/l #	52
38) Carbon Tetrachloride	7.98	117	17503	6.306	ug/l #	18
49) 1,4-Dioxane	9.56	88	84	9.145	ug/l #	1
59) 2-Hexanone	10.95	43	1188	2.394	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	12.77	83	7166	6.930	ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	59531	78.310	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	59531	166.228	ug/l #	7

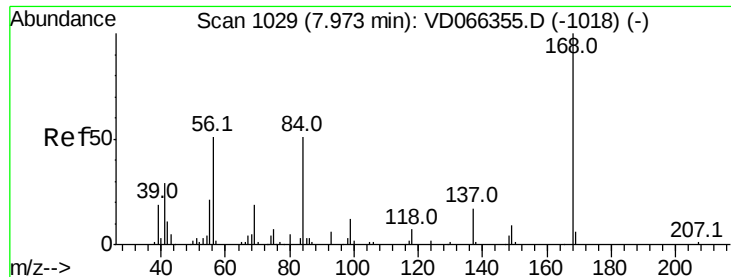
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 02 01:06:56 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: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066500.D

Acq: 01 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

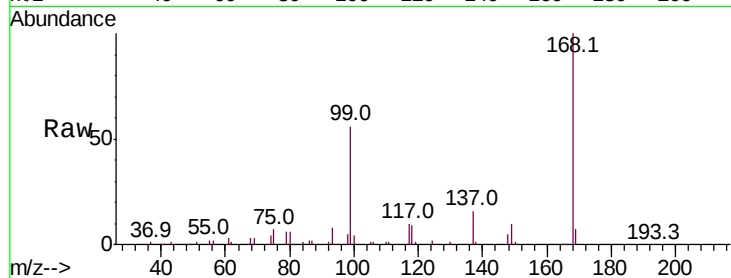
24743

Tot Ion:168 Resp: 163302

Ion Ratio Lower Upper

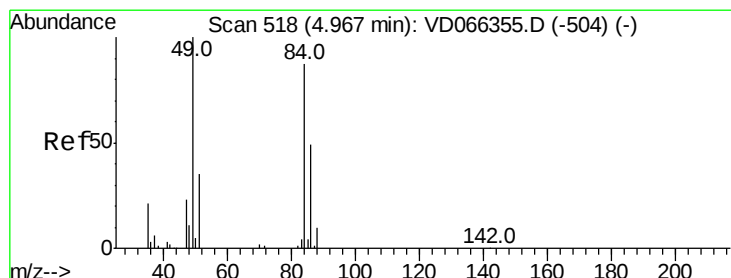
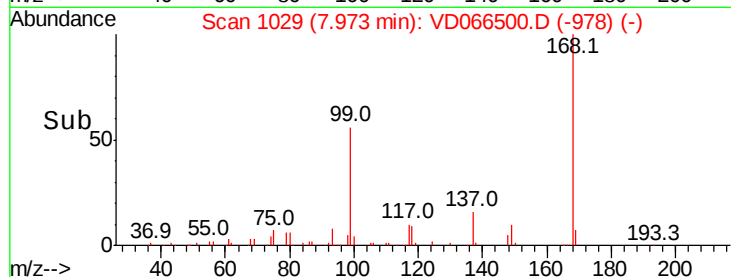
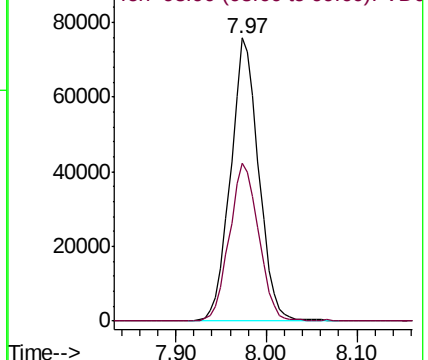
168 100

99 55.6 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD066500.D

Acq: 01 Sep 2020 17:06

Tgt Ion: 84 Resp: 5815

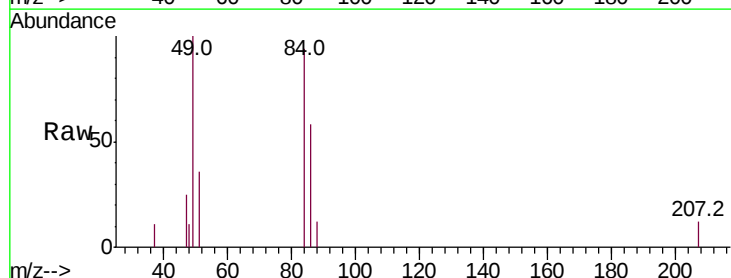
Ion Ratio Lower Upper

84 100

49 106.3 92.5 138.7

51 37.9 32.5 48.7

86 62.1 45.0 67.6

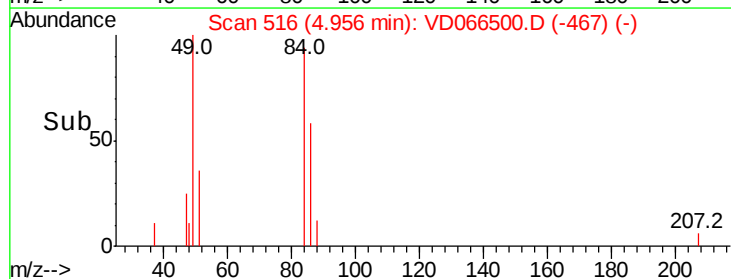
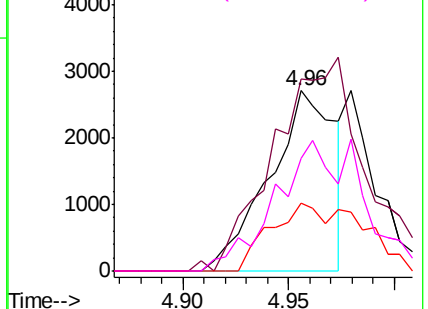


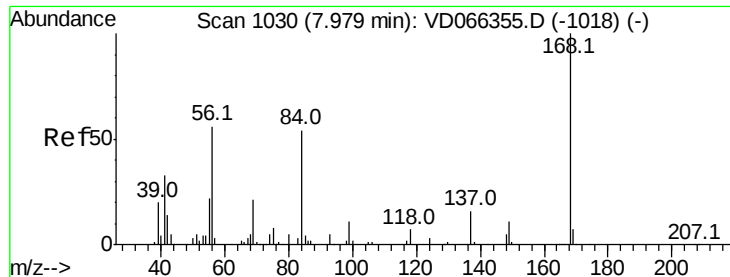
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

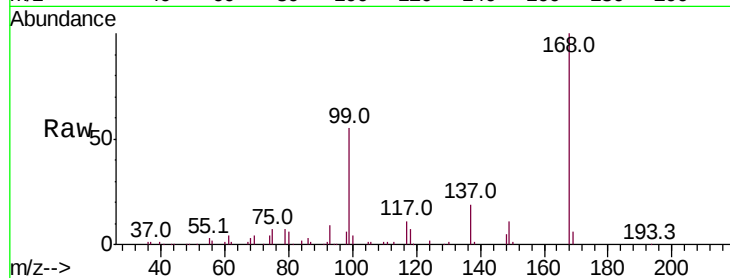




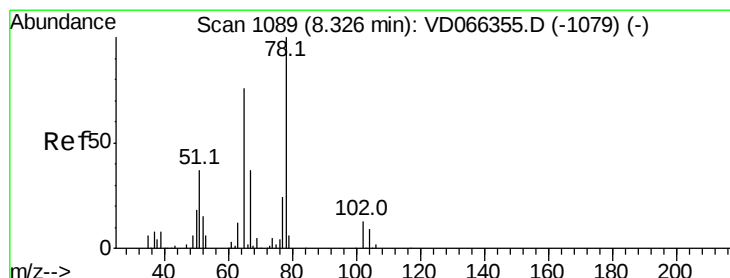
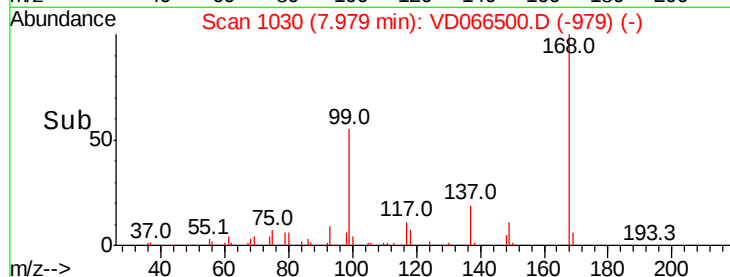
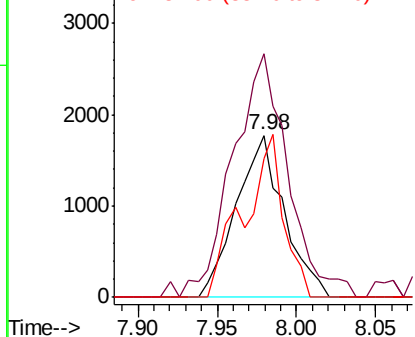
#31
Cyclohexane
Concen: 1.666 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066500.D
Acq: 01 Sep 2020 17:06

Instrument :
MSVOA_D
ClientSampled :
24743

Tot Ion: 56 Resp: 3703
Ion Ratio Lower Upper
56 100
69 139.5 29.6 44.4#
84 85.8 76.6 115.0

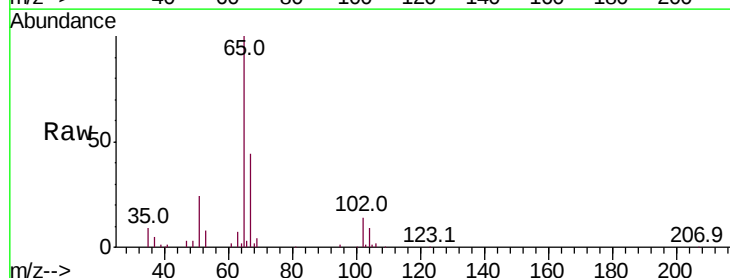


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

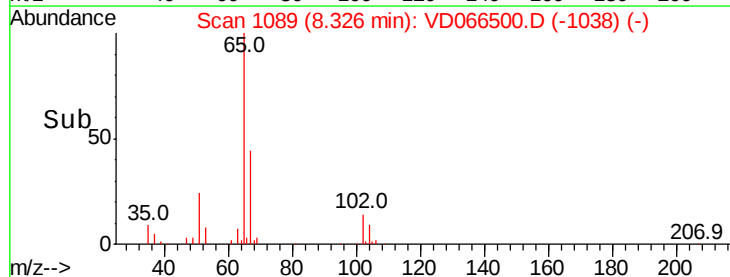
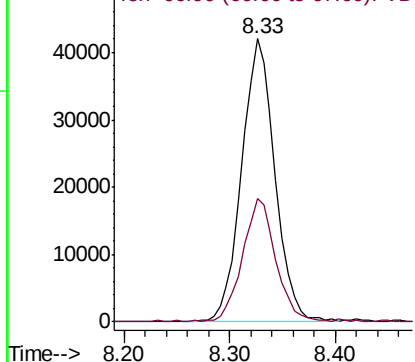


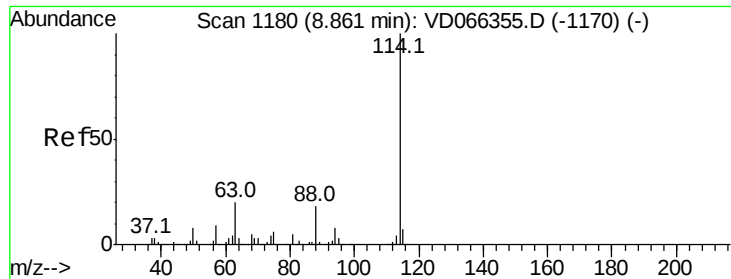
#33
1,2-Dichloroethane-d4
Concen: 57.362 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066500.D
Acq: 01 Sep 2020 17:06

Tgt Ion: 65 Resp: 91837
Ion Ratio Lower Upper
65 100
67 43.7 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: VD066500.D

Acq: 01 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

24743

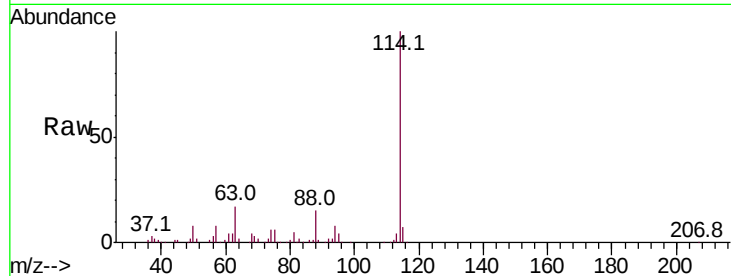
Tot Ion:114 Resp: 233487

Ion Ratio Lower Upper

114 100

63 17.1 0.0 40.8

88 15.1 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

150000

100000

50000

0

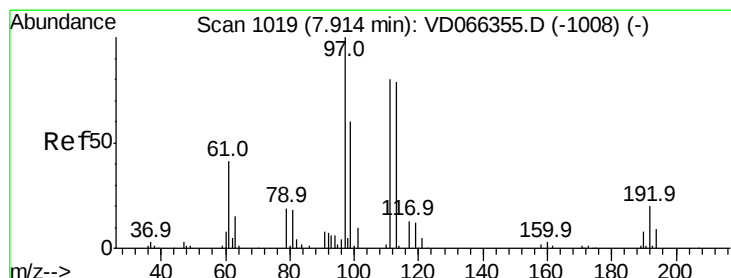
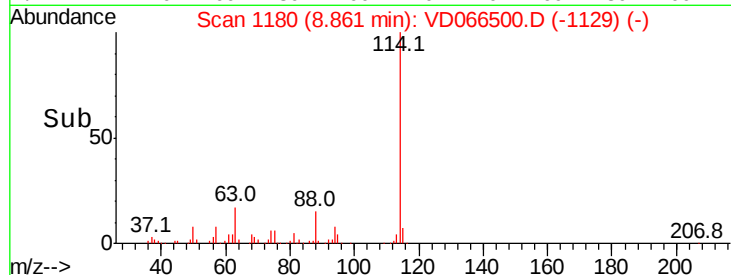
8.86

8.80

8.90

9.00

Time-->



#35

Dibromofluoromethane

Concen: 49.736 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066500.D

Acq: 01 Sep 2020 17:06

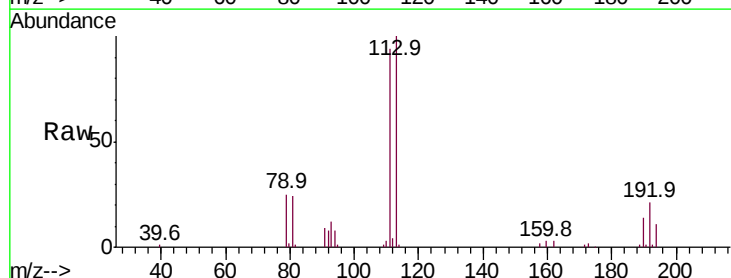
Tgt Ion:113 Resp: 72616

Ion Ratio Lower Upper

113 100

111 100.3 80.3 120.5

192 23.9 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

40000

30000

20000

10000

0

7.91

7.80

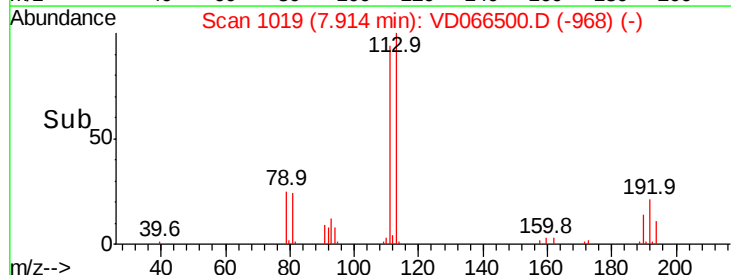
7.85

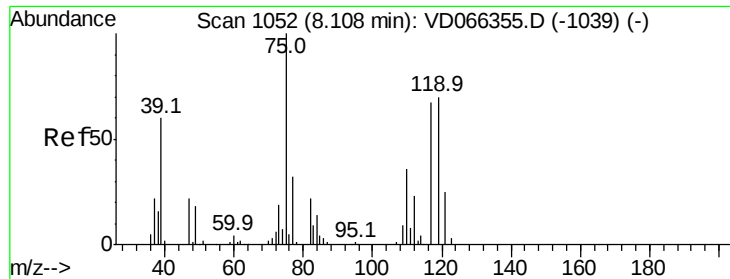
7.90

7.95

8.00

Time-->





#36

1,1-Dichloropropene

Concen: 5.483 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066500.D

Acq: 01 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

24743

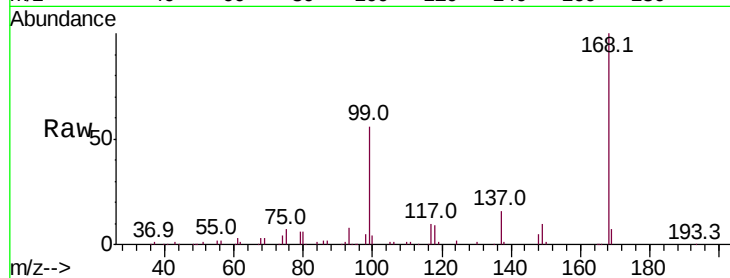
Tot Ion: 75 Resp: 11681

Ion Ratio Lower Upper

75 100

110 13.4 18.7 56.1#

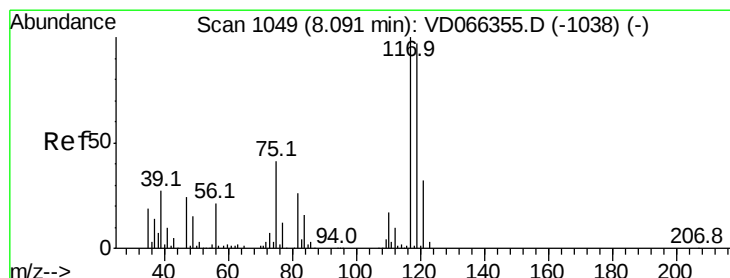
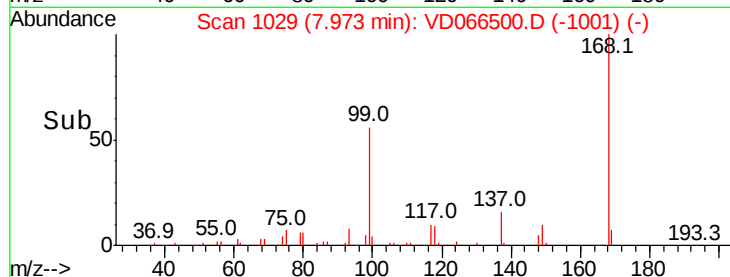
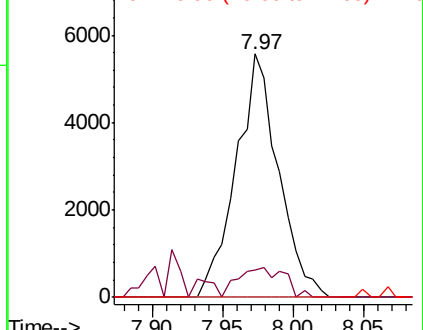
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 6.306 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066500.D

Acq: 01 Sep 2020 17:06

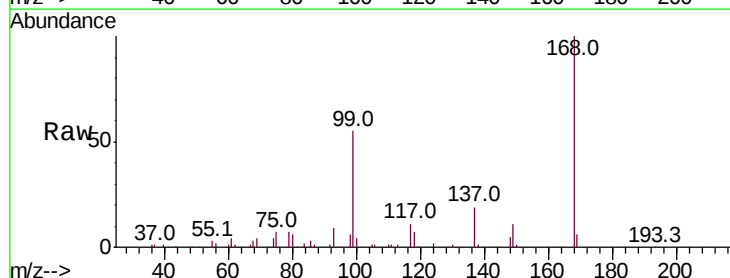
Tgt Ion: 117 Resp: 17503

Ion Ratio Lower Upper

117 100

119 7.8 77.2 115.8#

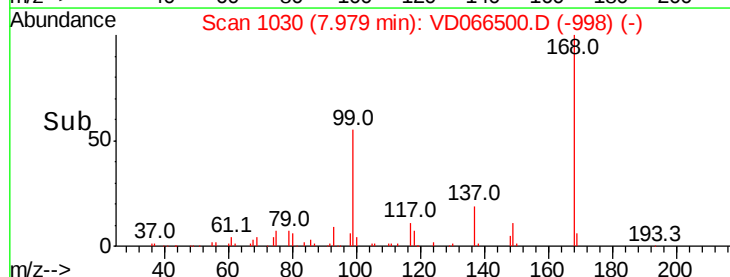
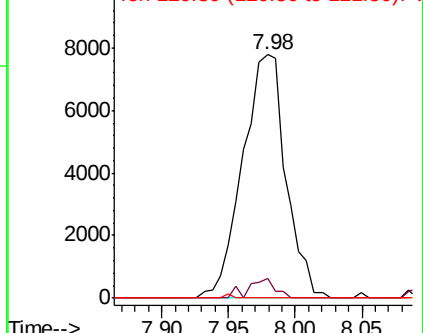
121 0.0 25.8 38.8#

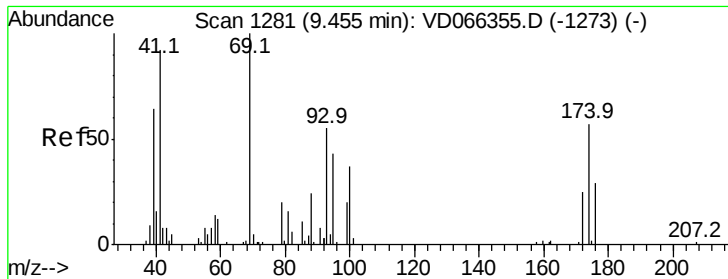


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 9.145 ug/l

RT: 9.56 min Scan# 1299

Delta R.T. 0.11 min

Lab File: VD066500.D

Acq: 01 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

24743

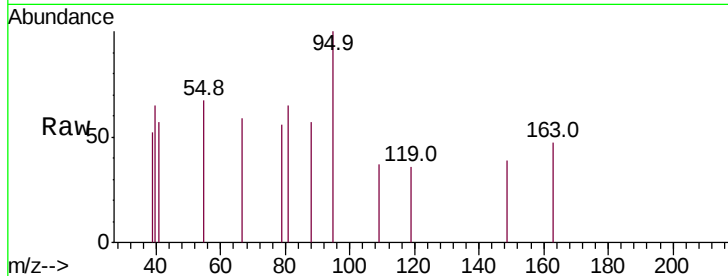
Tot Ion: 88 Resp: 84

Ion Ratio Lower Upper

88 100

43 144.0 29.4 44.0#

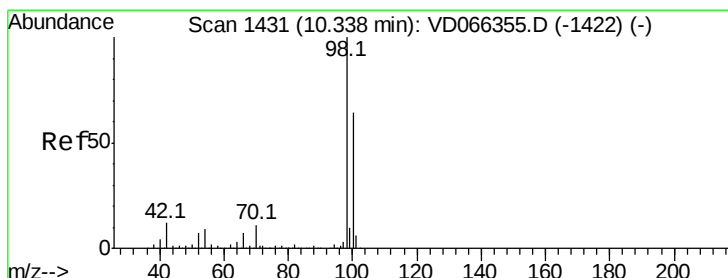
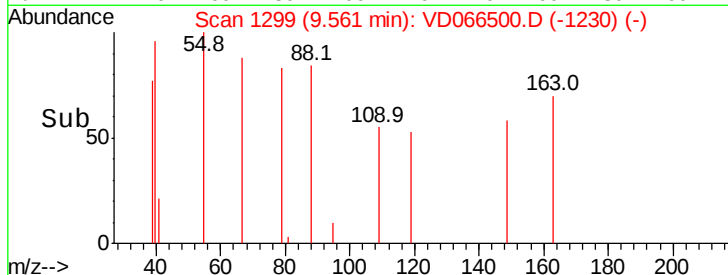
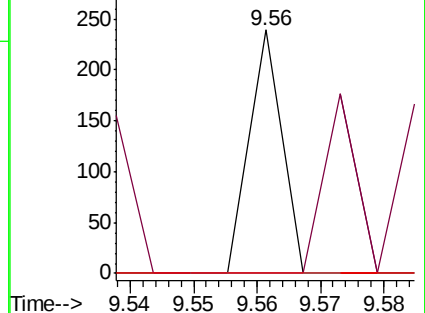
58 0.0 45.4 68.2#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 51.351 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066500.D

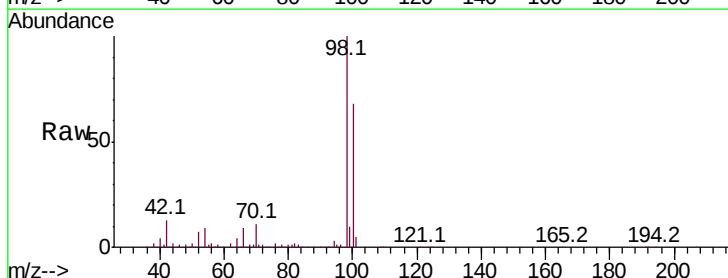
Acq: 01 Sep 2020 17:06

Tgt Ion: 98 Resp: 274319

Ion Ratio Lower Upper

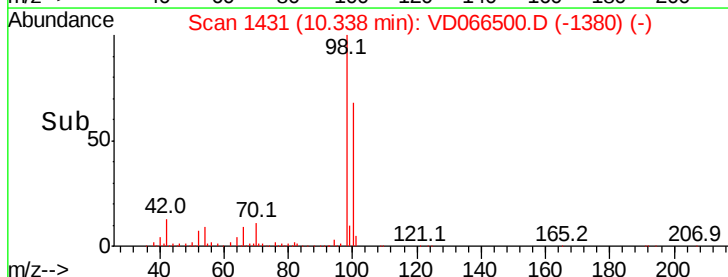
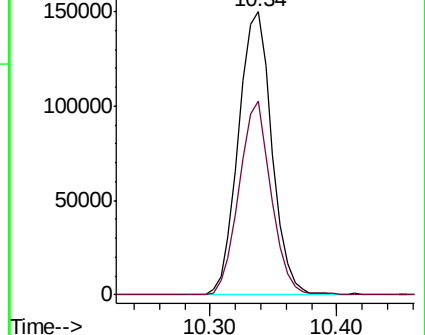
98 100

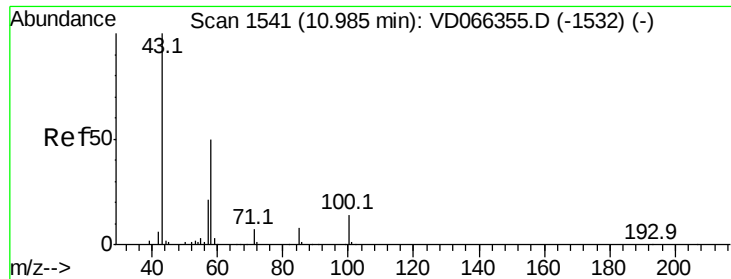
100 65.5 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#59

2-Hexanone

Concen: 2.394 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.04 min

Lab File: VD066500.D

Acq: 01 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

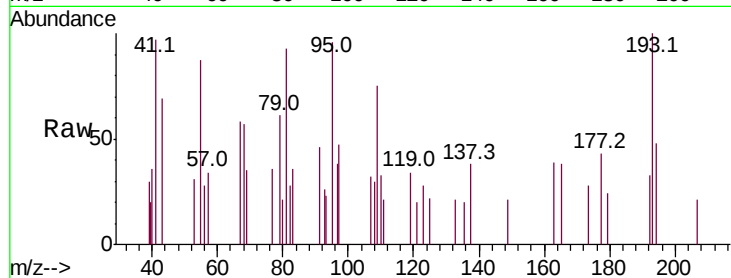
24743

Tot Ion: 43 Resp: 1188

Ion Ratio Lower Upper

43 100

58 0.0 26.3 78.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.95

600

500

400

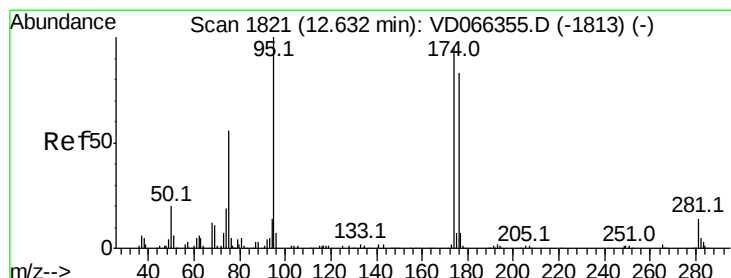
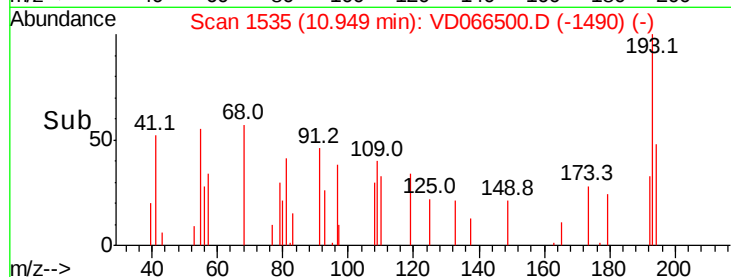
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.723 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066500.D

Acq: 01 Sep 2020 17:06

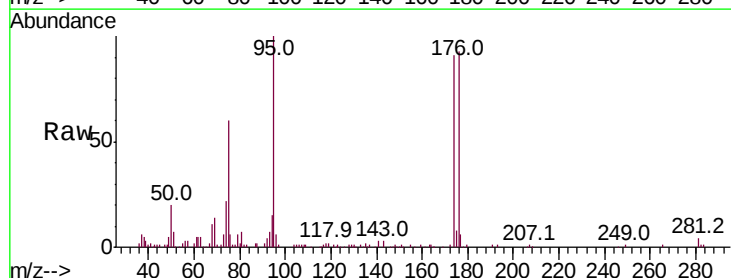
Tgt Ion: 95 Resp: 99940

Ion Ratio Lower Upper

95 100

174 93.7 0.0 183.4

176 93.2 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

80000

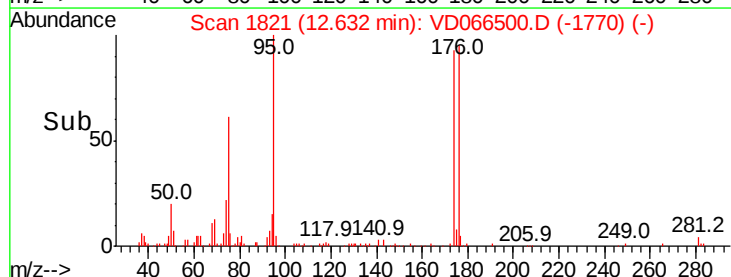
60000

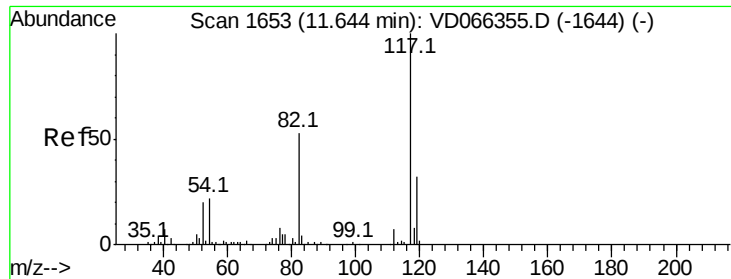
40000

20000

0

Time-->

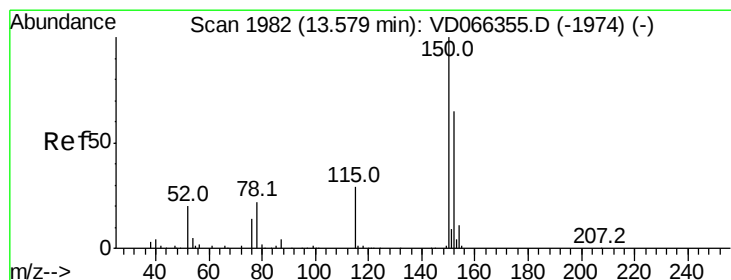
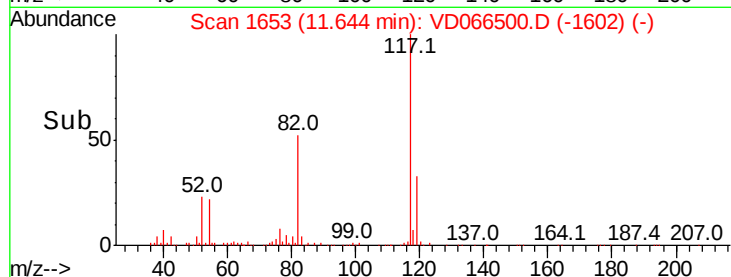
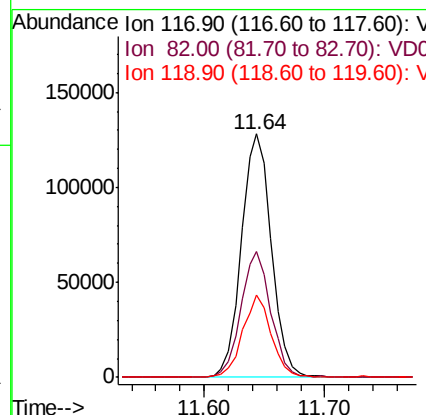
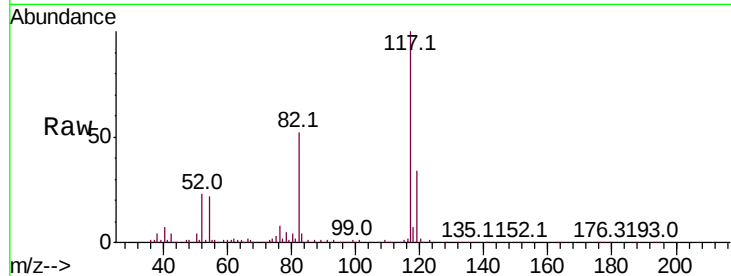




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066500.D
Acq: 01 Sep 2020 17:06

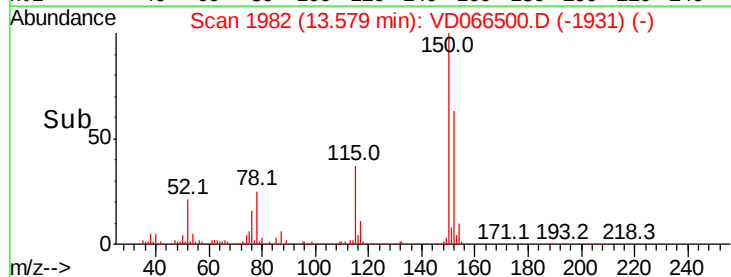
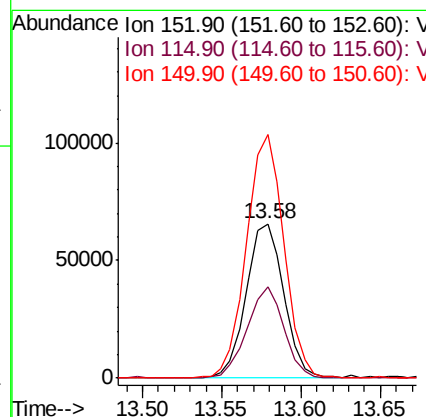
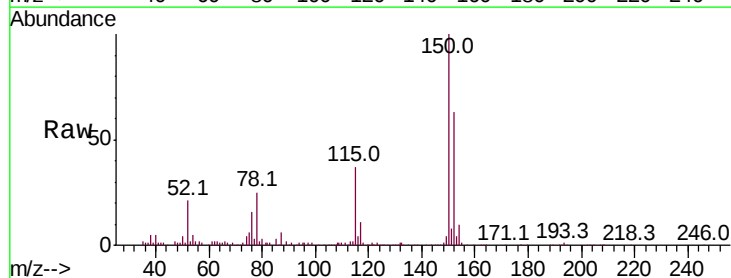
Instrument :
MSVOA_D
ClientSampleId :
24743

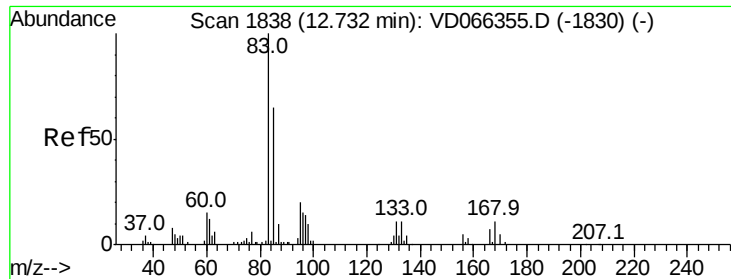
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.8	64.2
119	33.5	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066500.D
Acq: 01 Sep 2020 17:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.3	85.0
150	157.3	0.0	343.2





#75

1,1,2,2-Tetrachloroethane

Concen: 6.930 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.04 min

Lab File: VD066500.D

Acq: 01 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

24743

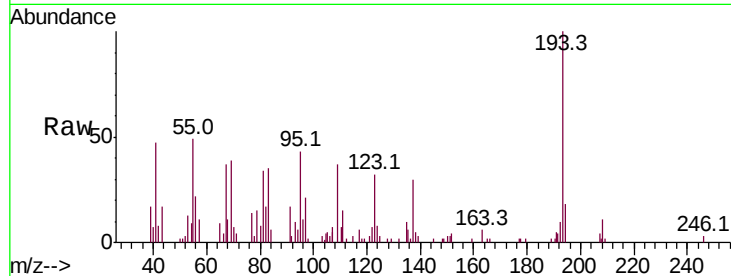
Tot Ion: 83 Resp: 7166

Ion Ratio Lower Upper

83 100

131 0.0 7.0 20.9#

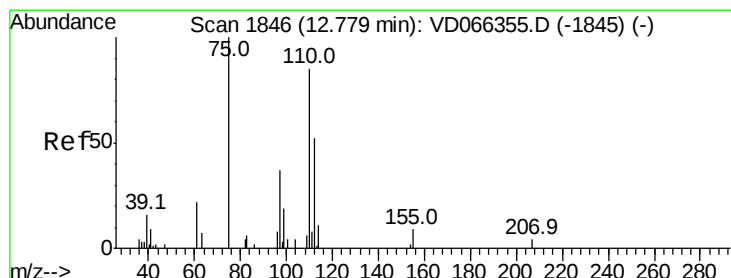
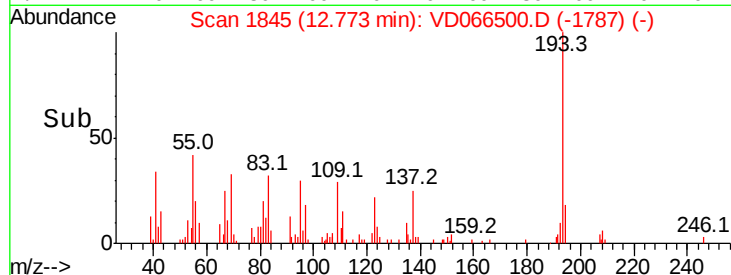
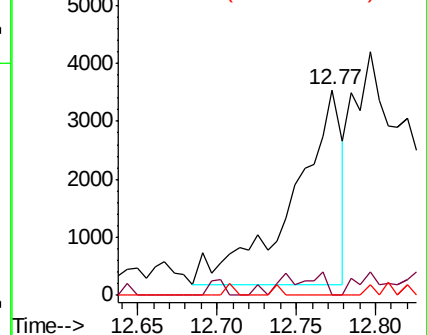
85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 78.310 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066500.D

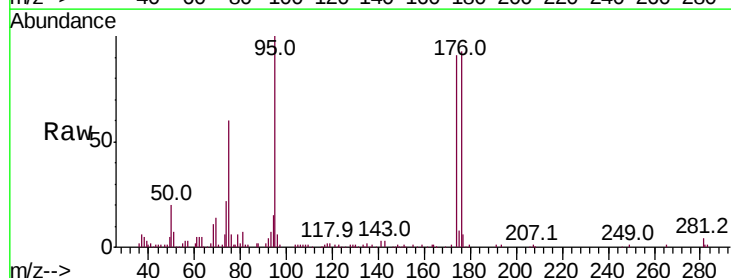
Acq: 01 Sep 2020 17:06

Tgt Ion: 75 Resp: 59531

Ion Ratio Lower Upper

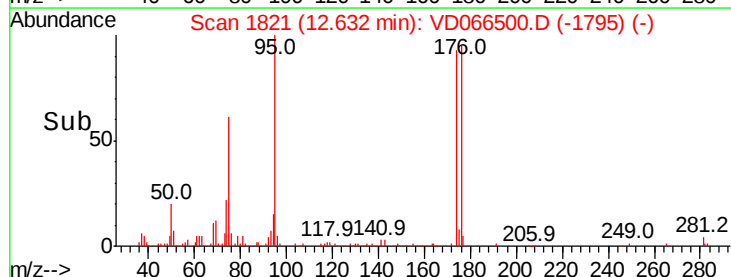
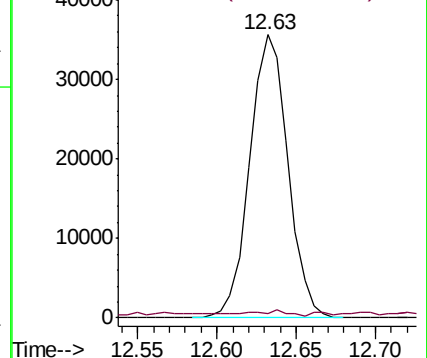
75 100

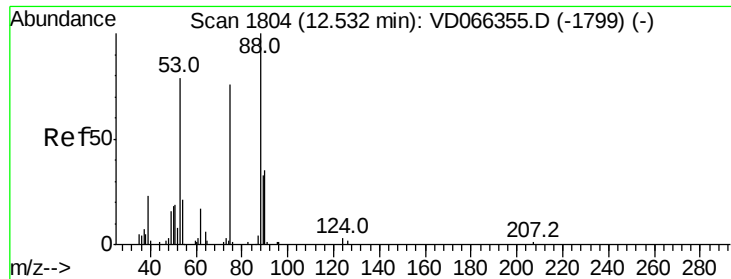
77 1.6 182.9 548.9#



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: 166.228 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066500.D

Acq: 01 Sep 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

24743

Tot Ion: 75 Resp: 59531

Ion Ratio Lower Upper

75 100

53 0.7 87.4 131.2#

89 0.1 39.4 59.0#

