

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066746.D
 Acq On : 17 Sep 2020 16:00
 Operator : VA/SY
 Sample : L4062-01
 Misc : 7.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EROC-CF-1

Quant Time: Sep 18 01:16:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	392001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	702427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	679431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	299969	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	247789	59.25	ug/l	0.00
Spiked Amount			Recovery	=	118.50%	
35) Dibromofluoromethane	7.91	113	237588	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
50) Toluene-d8	10.34	98	869118	56.65	ug/l	0.00
Spiked Amount			Recovery	=	113.30%	
62) 4-Bromofluorobenzene	12.63	95	294337	55.57	ug/l	0.00
Spiked Amount			Recovery	=	111.14%	

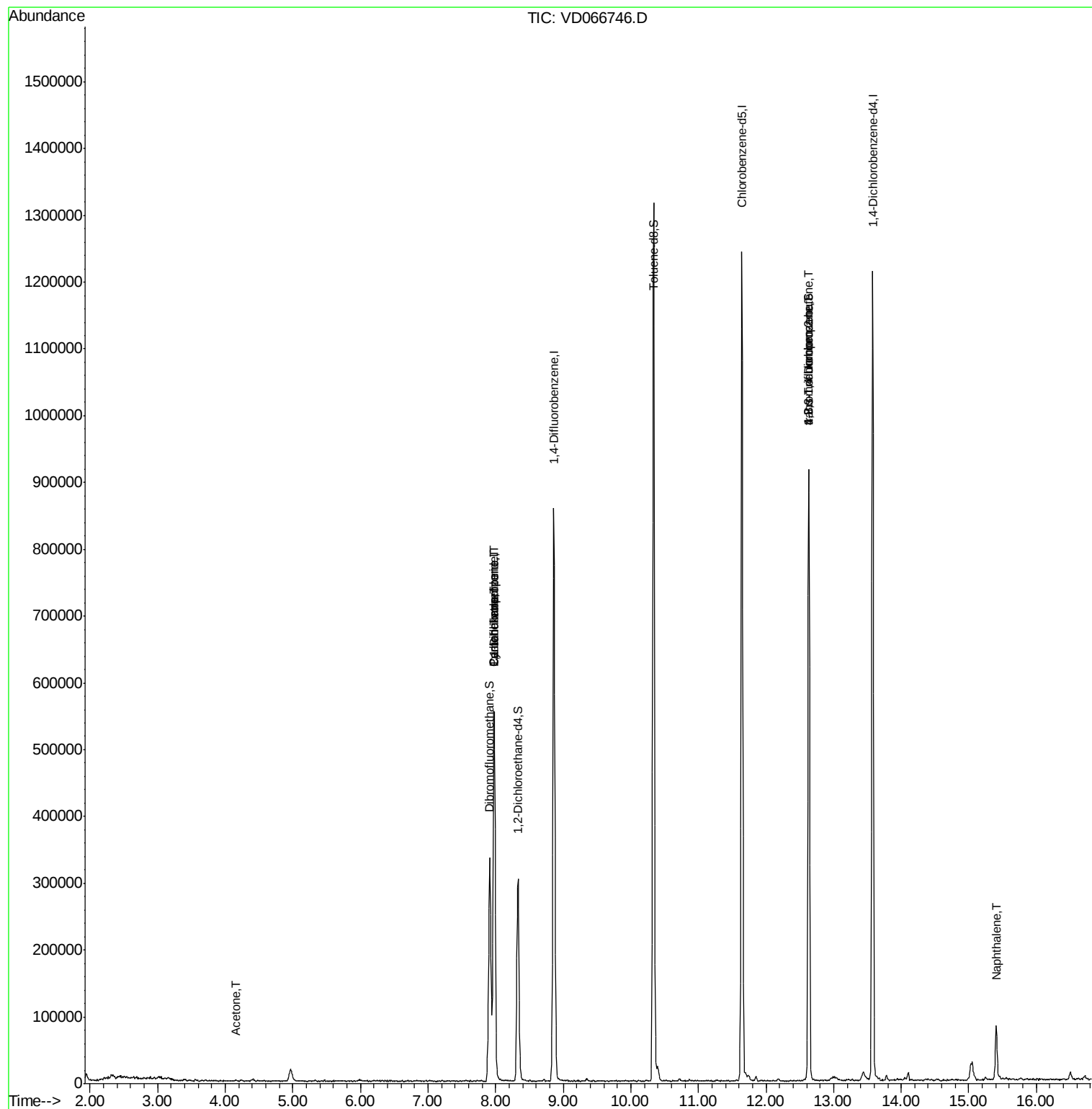
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	62	Below Cal	#	43
16) Acetone	4.16	43	1570	1.843	ug/l #	47
18) Methyl Acetate	4.89	43	75	Below Cal	#	52
20) Methylene Chloride	4.96	84	13776	Below Cal		89
31) Cyclohexane	7.97	56	11024	1.492	ug/l #	32
36) 1,1-Dichloropropene	7.98	75	35749	4.950	ug/l #	49
38) Carbon Tetrachloride	7.97	117	43194	5.632	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	164562	64.091	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	164562	138.320	ug/l #	8
95) Naphthalene	15.41	128	73205	8.165	ug/l	99

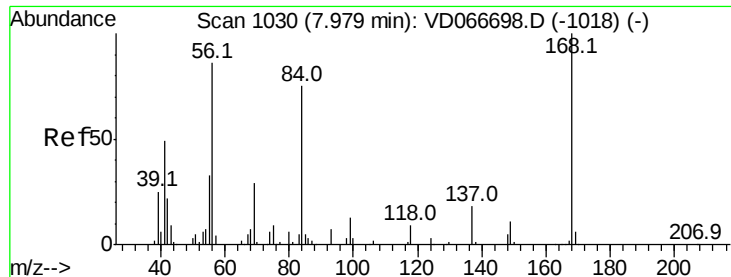
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066746.D

Acq: 17 Sep 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

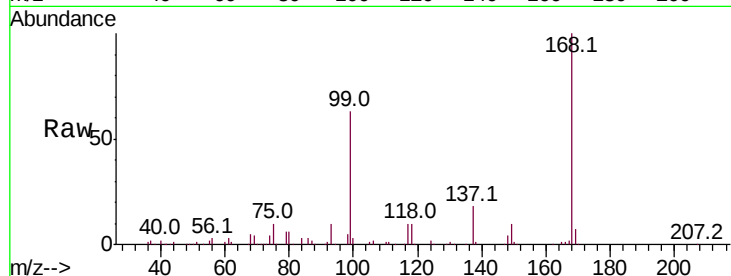
EROC-CF-1

Tot Ion:168 Resp: 392001

Ion Ratio Lower Upper

168 100

99 63.2 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

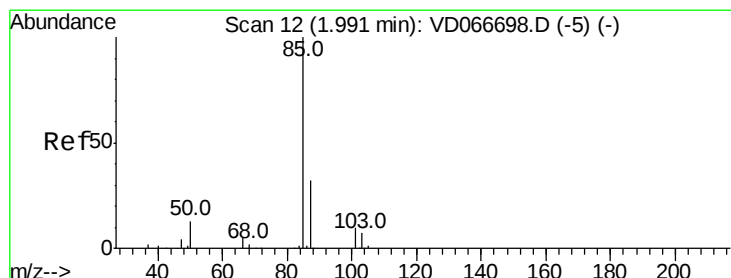
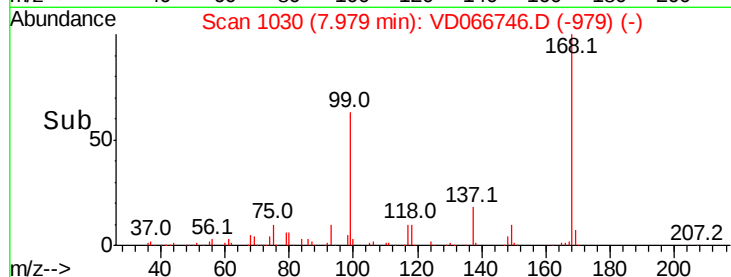
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066746.D

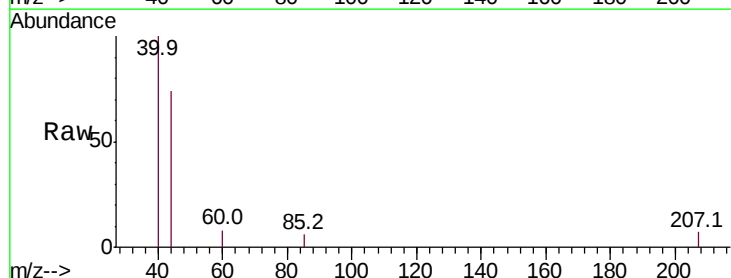
Acq: 17 Sep 2020 16:00

Tgt Ion: 85 Resp: 62

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

200

150

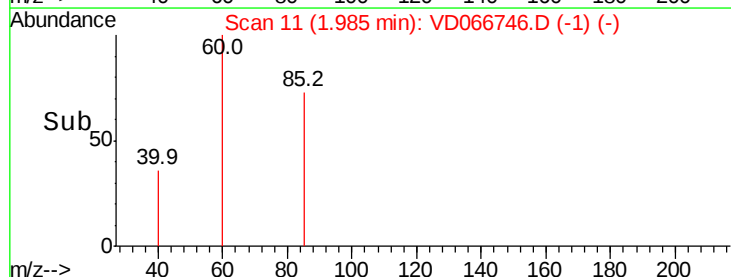
100

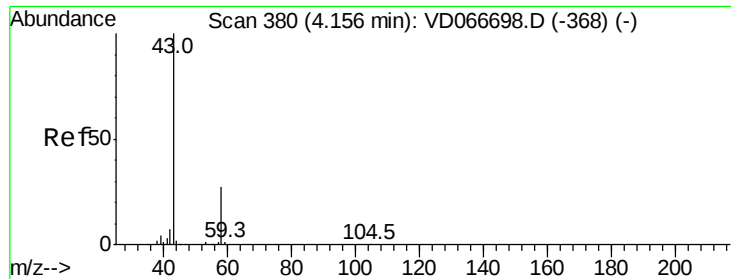
50

0

1.97 1.98 1.99 2.00

Time-->





#16

Acetone

Concen: 1.843 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066746.D

Acq: 17 Sep 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

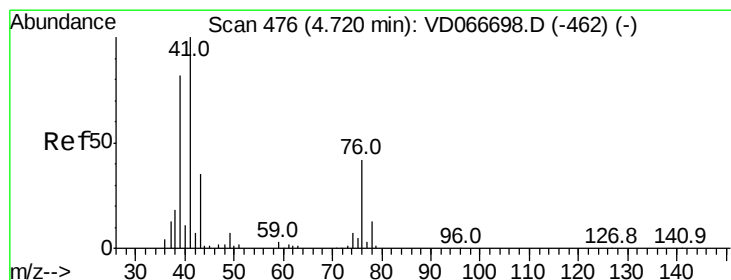
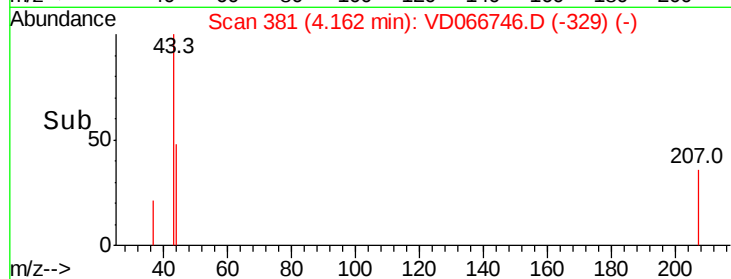
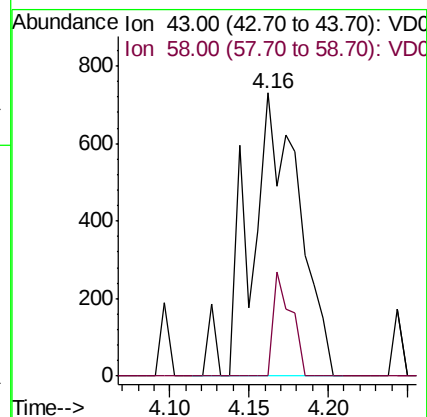
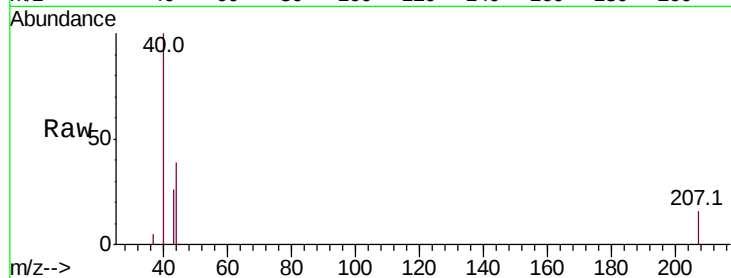
EROC-CF-1

Tot Ion: 43 Resp: 1570

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.89 min Scan# 504

Delta R.T. 0.17 min

Lab File: VD066746.D

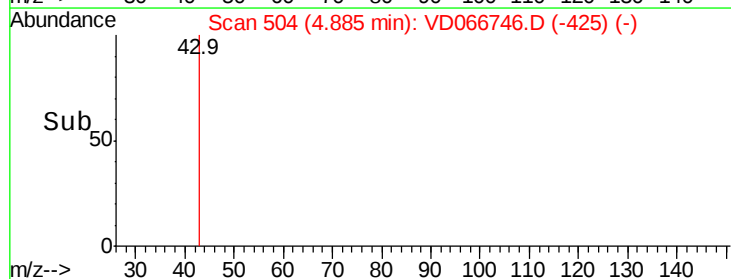
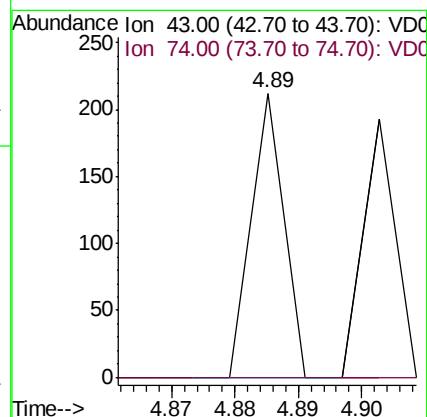
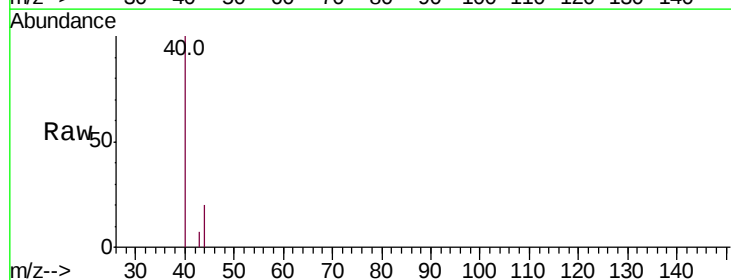
Acq: 17 Sep 2020 16:00

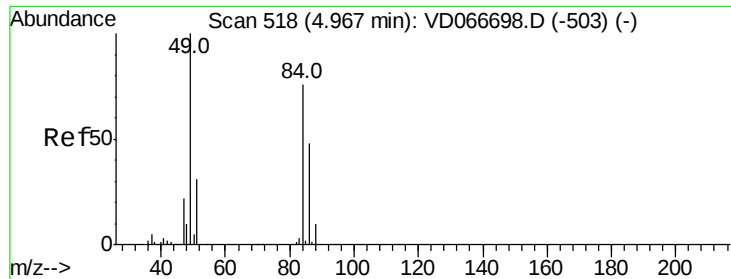
Tgt Ion: 43 Resp: 75

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066746.D

Acq: 17 Sep 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

EROC-CF-1

Tot Ion: 84 Resp: 13776

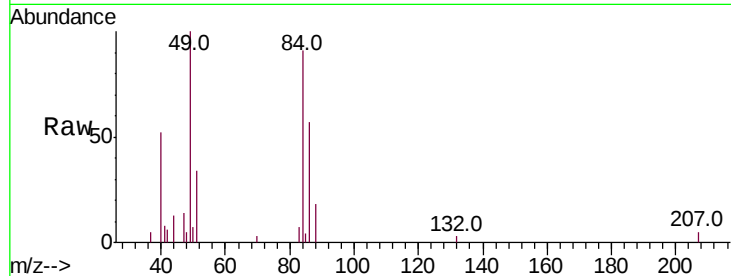
Ion Ratio Lower Upper

84 100

49 109.7 105.0 157.6

51 37.0 32.2 48.4

86 62.5 50.4 75.6

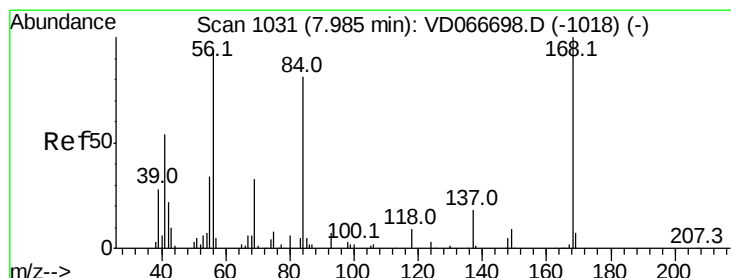
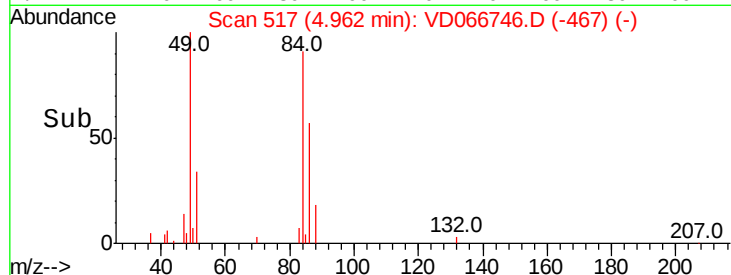
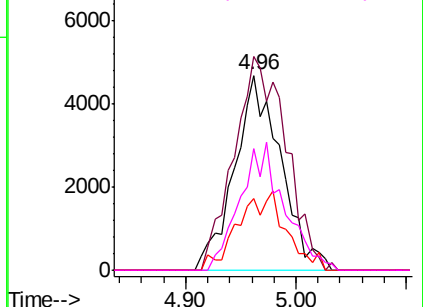


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.492 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066746.D

Acq: 17 Sep 2020 16:00

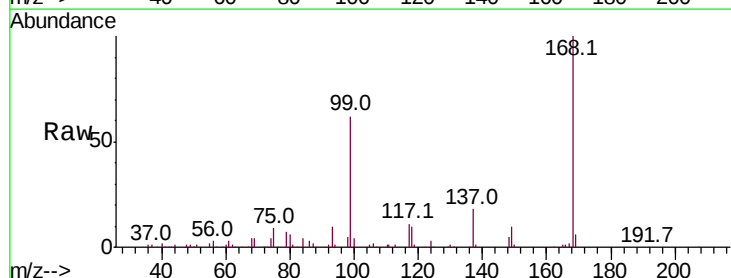
Tgt Ion: 56 Resp: 11024

Ion Ratio Lower Upper

56 100

69 113.1 27.7 41.5#

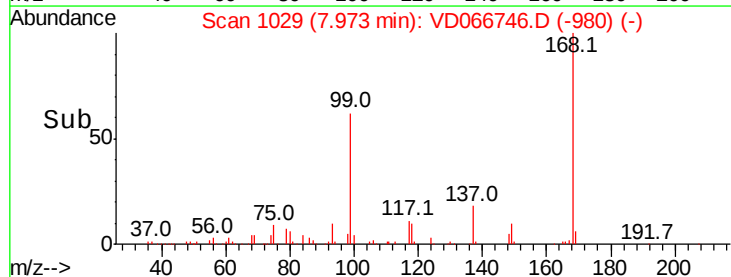
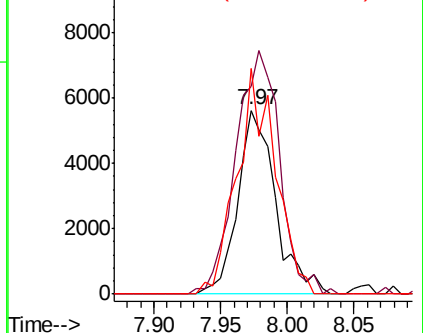
84 123.0 68.5 102.7#

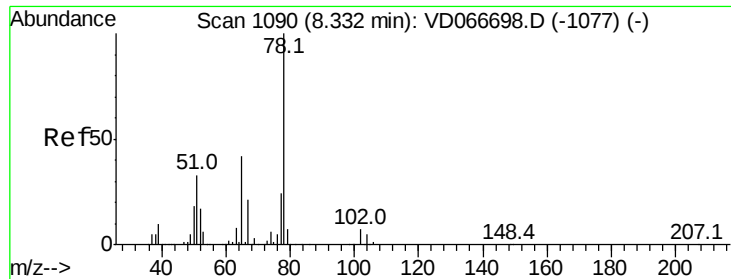


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 59.245 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066746.D

Acq: 17 Sep 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

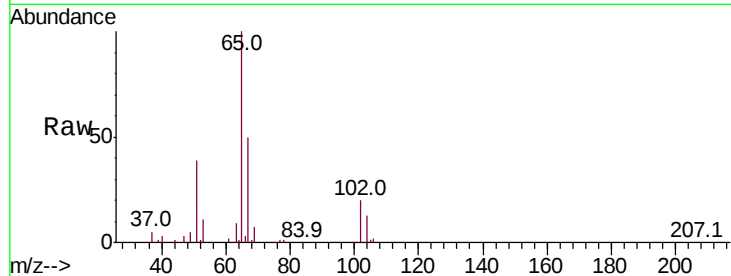
EROC-CF-1

Tot Ion: 65 Resp: 247789

Ion Ratio Lower Upper

65 100

67 50.0 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

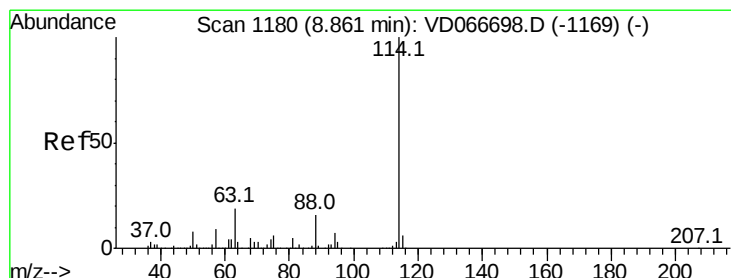
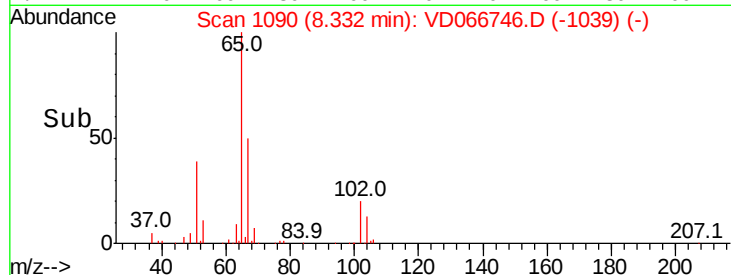
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066746.D

Acq: 17 Sep 2020 16:00

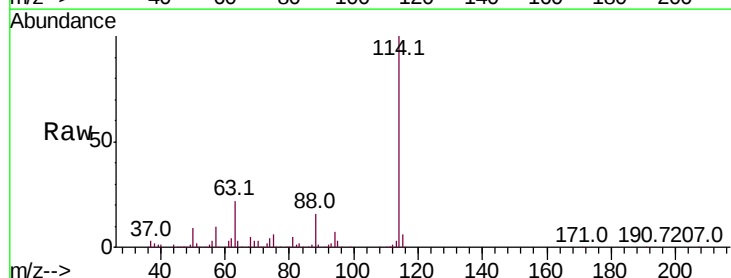
Tgt Ion: 114 Resp: 702427

Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.6

88 16.5 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

400000

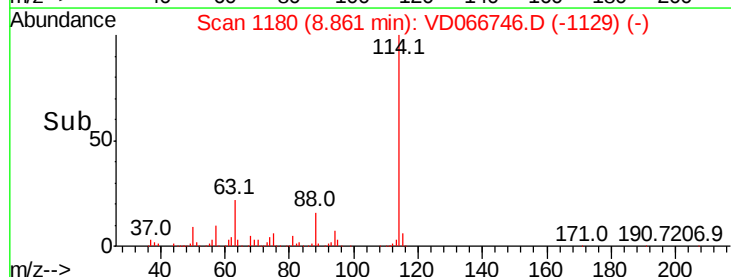
300000

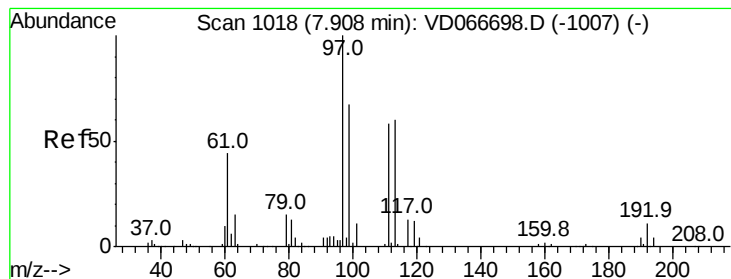
200000

100000

0

Time--> 8.75 8.80 8.85 8.90 8.95





#35

Dibromofluoromethane

Concen: 55.169 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066746.D

Acq: 17 Sep 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

EROC-CF-1

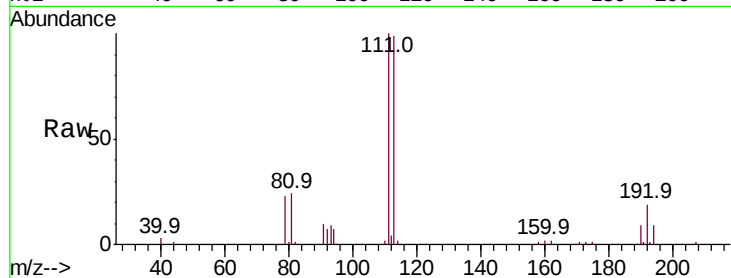
Tot Ion:113 Resp: 237588

Ion Ratio Lower Upper

113 100

111 102.0 83.2 124.8

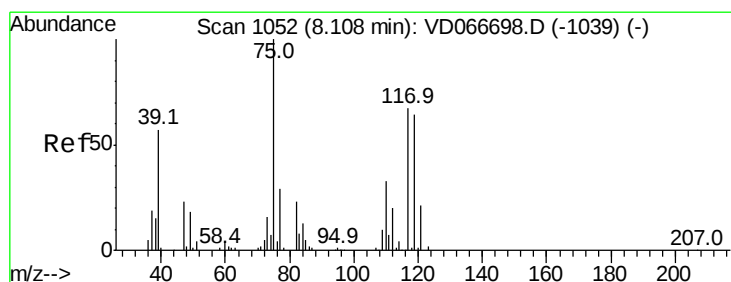
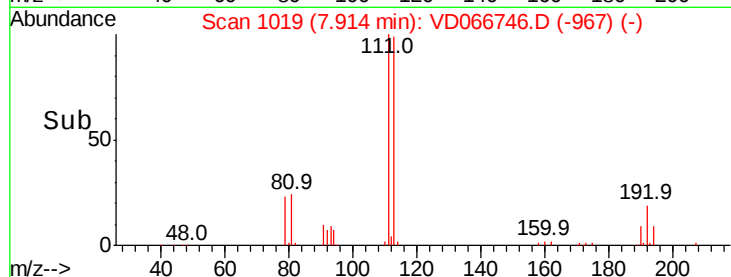
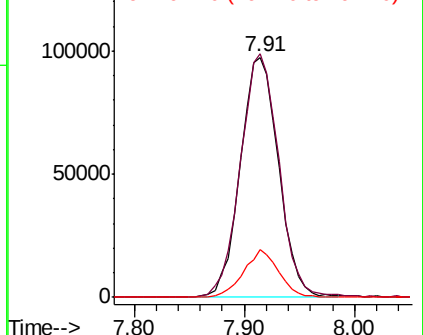
192 18.1 14.8 22.2



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: 4.950 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066746.D

Acq: 17 Sep 2020 16:00

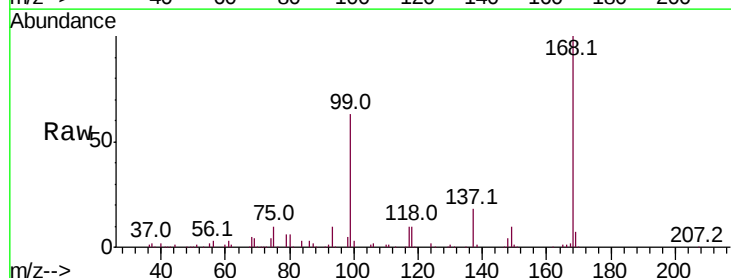
Tgt Ion: 75 Resp: 35749

Ion Ratio Lower Upper

75 100

110 7.8 17.1 51.2#

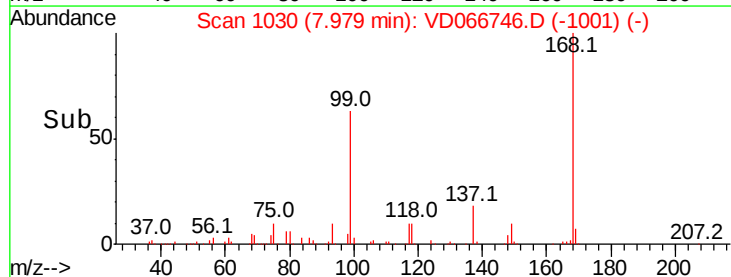
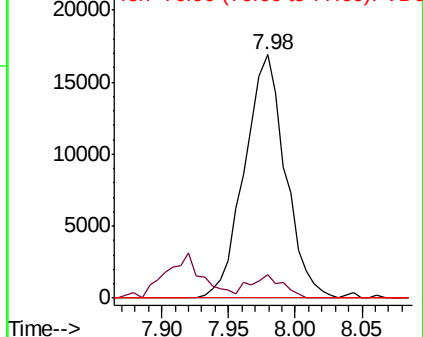
77 0.0 25.0 37.6#

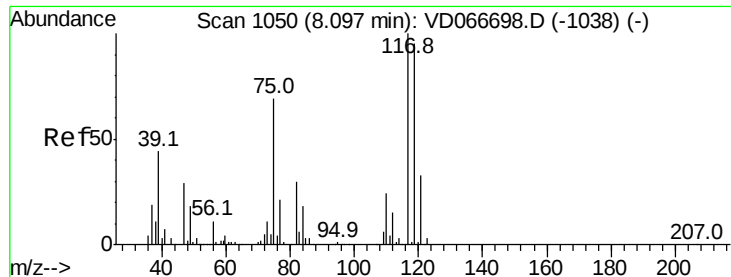


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.632 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066746.D

Acq: 17 Sep 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

EROC-CF-1

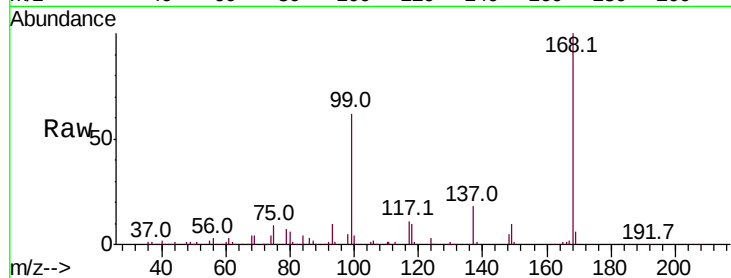
Tot Ion:117 Resp: 43194

Ion Ratio Lower Upper

117 100

119 7.0 75.8 113.6#

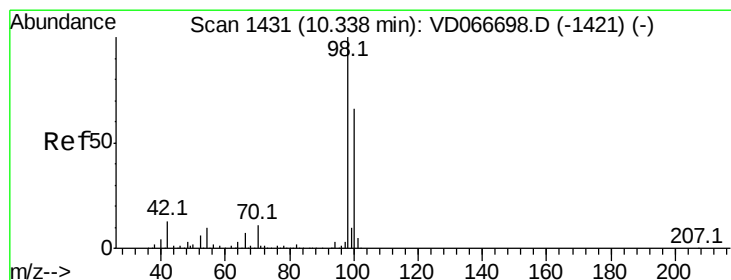
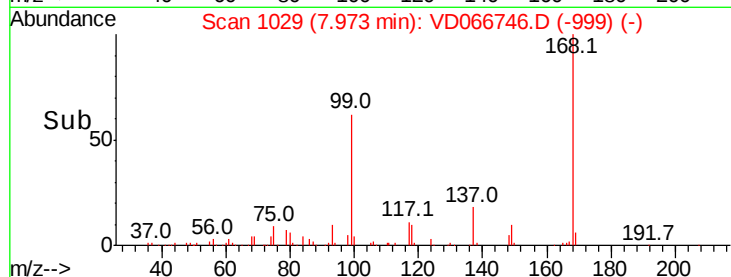
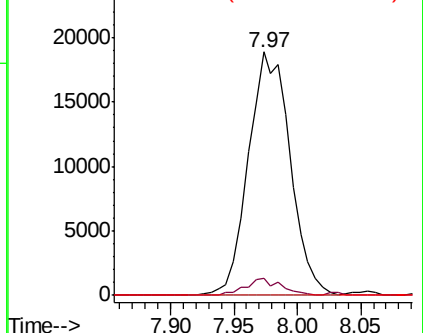
121 0.0 26.2 39.4#



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: 56.645 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066746.D

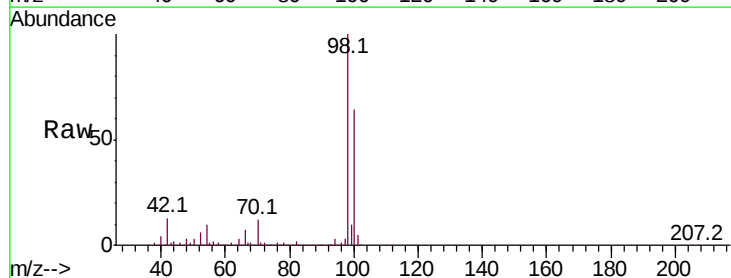
Acq: 17 Sep 2020 16:00

Tgt Ion: 98 Resp: 869118

Ion Ratio Lower Upper

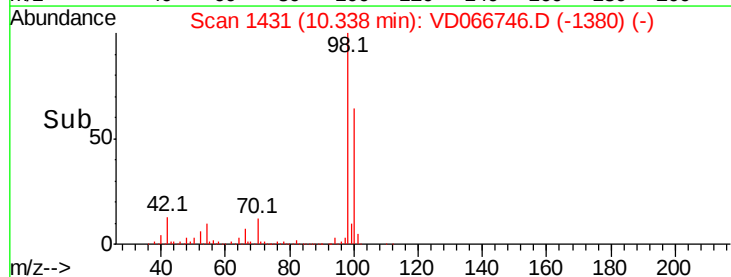
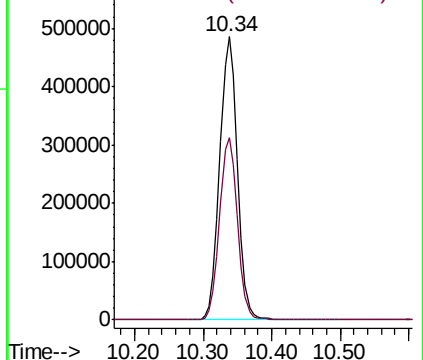
98 100

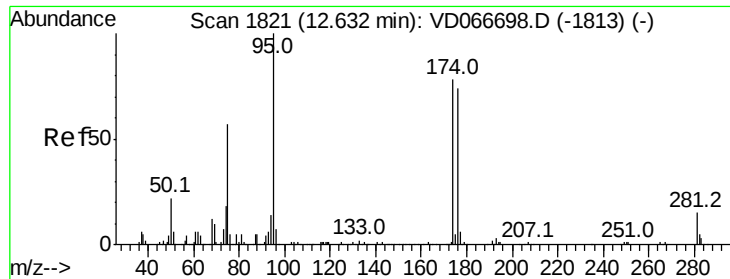
100 64.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

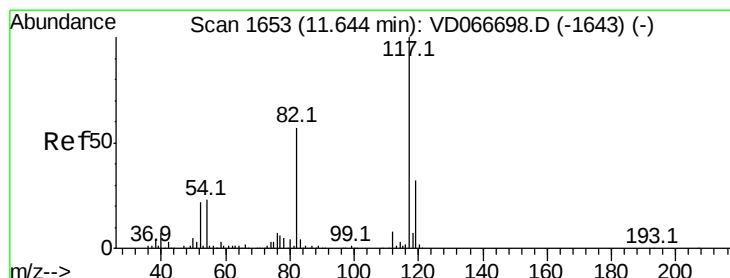
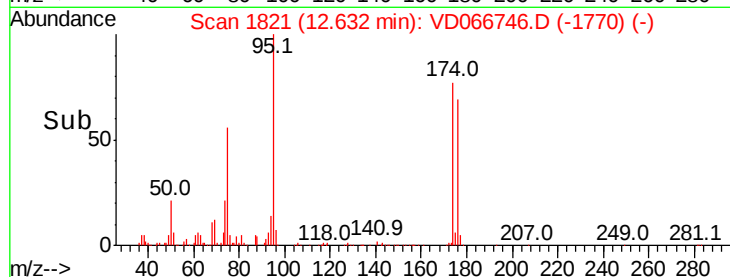
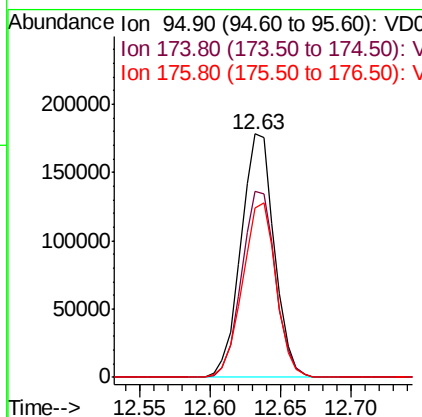
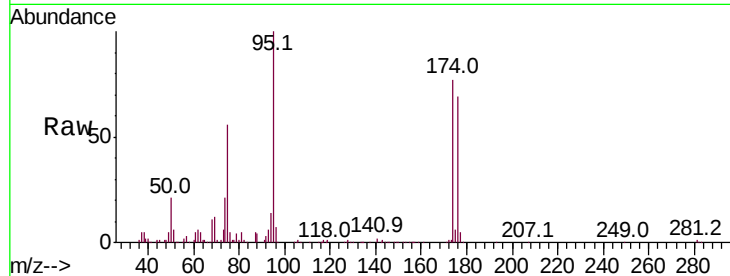




#62
4-Bromofluorobenzene
Concen: 55.574 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066746.D
Acq: 17 Sep 2020 16:00

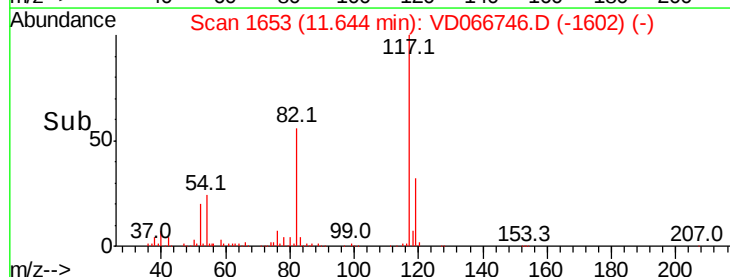
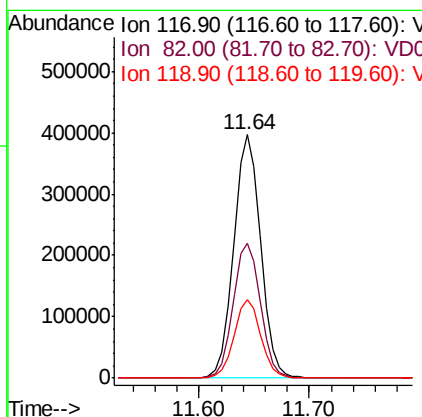
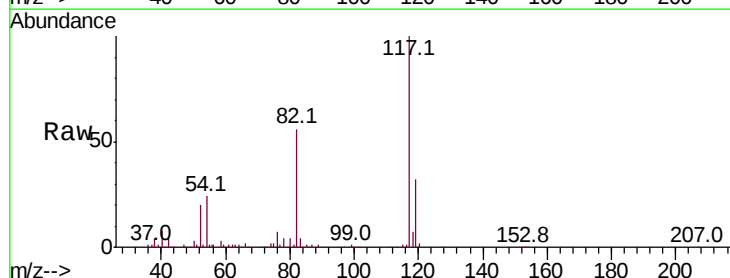
Instrument :
MSVOA_D
ClientSampleId :
EROC-CF-1

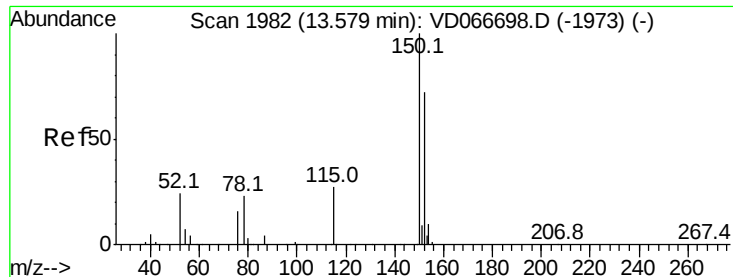
Tot Ion: 95 Resp: 294337
Ion Ratio Lower Upper
95 100
174 77.7 0.0 156.6
176 72.4 0.0 150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066746.D
Acq: 17 Sep 2020 16:00

Tgt Ion: 117 Resp: 679431
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.0
119 32.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066746.D

Acq: 17 Sep 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

EROC-CF-1

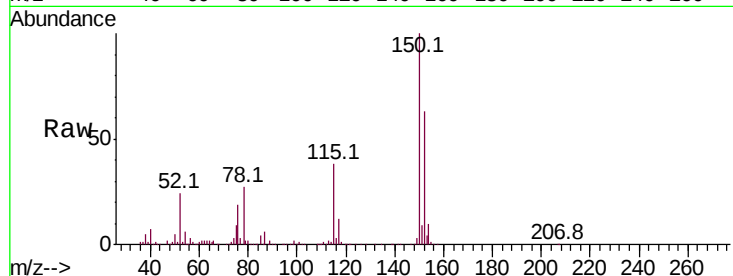
Tot Ion:152 Resp: 299969

Ion Ratio Lower Upper

152 100

115 61.9 30.5 91.5

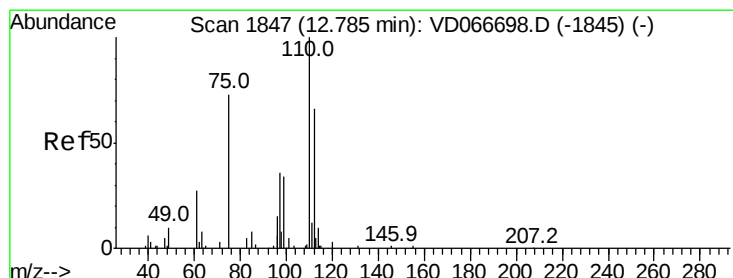
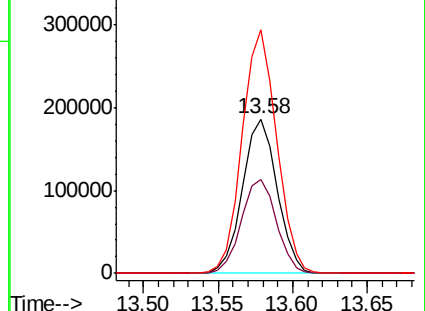
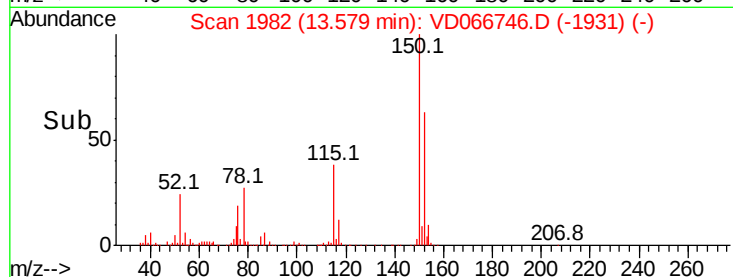
150 157.0 0.0 344.6



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: 64.091 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066746.D

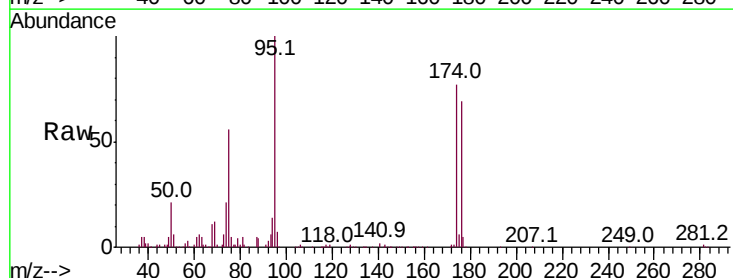
Acq: 17 Sep 2020 16:00

Tgt Ion: 75 Resp: 164562

Ion Ratio Lower Upper

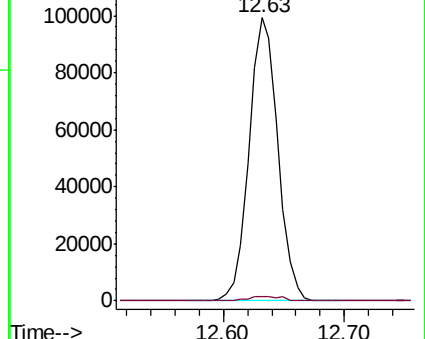
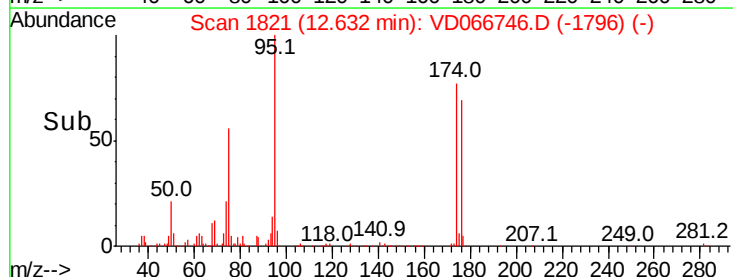
75 100

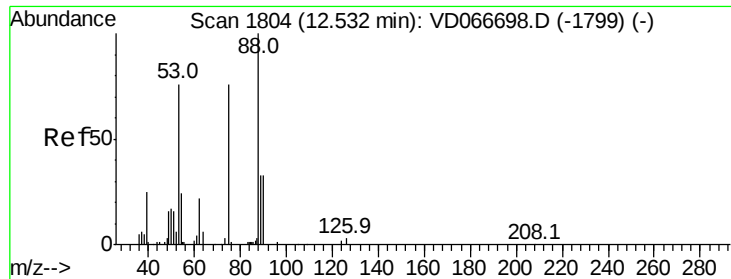
77 1.8 0.0 0.0#



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: 138.320 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066746.D

Acq: 17 Sep 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

EROC-CF-1

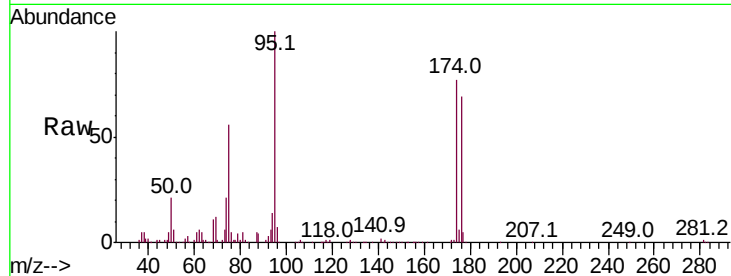
Tot Ion: 75 Resp: 164562

Ion Ratio Lower Upper

75 100

53 0.0 82.2 123.4#

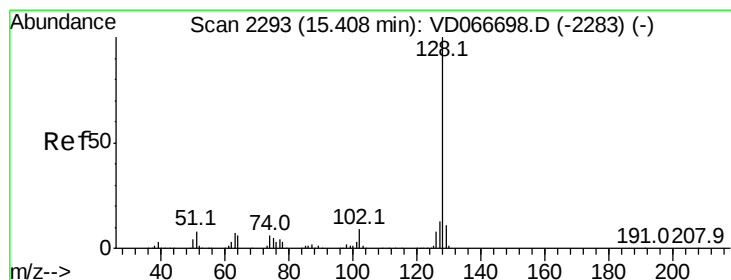
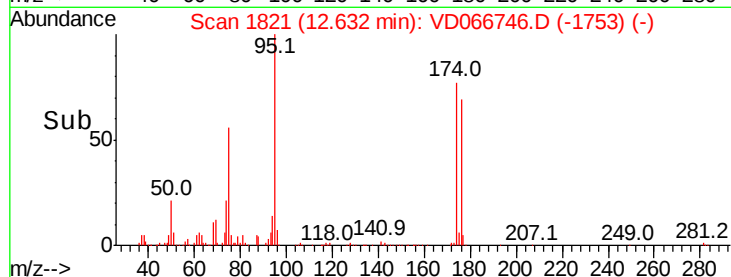
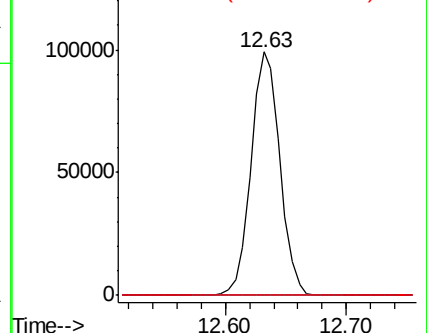
89 0.1 39.6 59.4#



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: 8.165 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066746.D

Acq: 17 Sep 2020 16:00

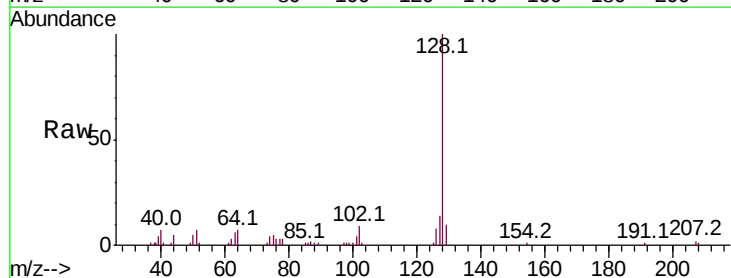
Tgt Ion: 128 Resp: 73205

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

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

