

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\
 Data File : VD066377.D
 Acq On : 24 Aug 2020 13:24
 Operator : VA/SY
 Sample : L3734-04RE
 Misc : 5.83G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EROC-BF-1C

Quant Time: Aug 25 02:41:30 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	197387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	294726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	288442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	149394	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	109192	56.42	ug/l	0.00
Spiked Amount			Recovery	=	112.84%	
35) Dibromofluoromethane	7.91	113	54291	29.46	ug/l	0.00
Spiked Amount			Recovery	=	58.92%	
50) Toluene-d8	10.34	98	344556	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.63	95	131696	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	

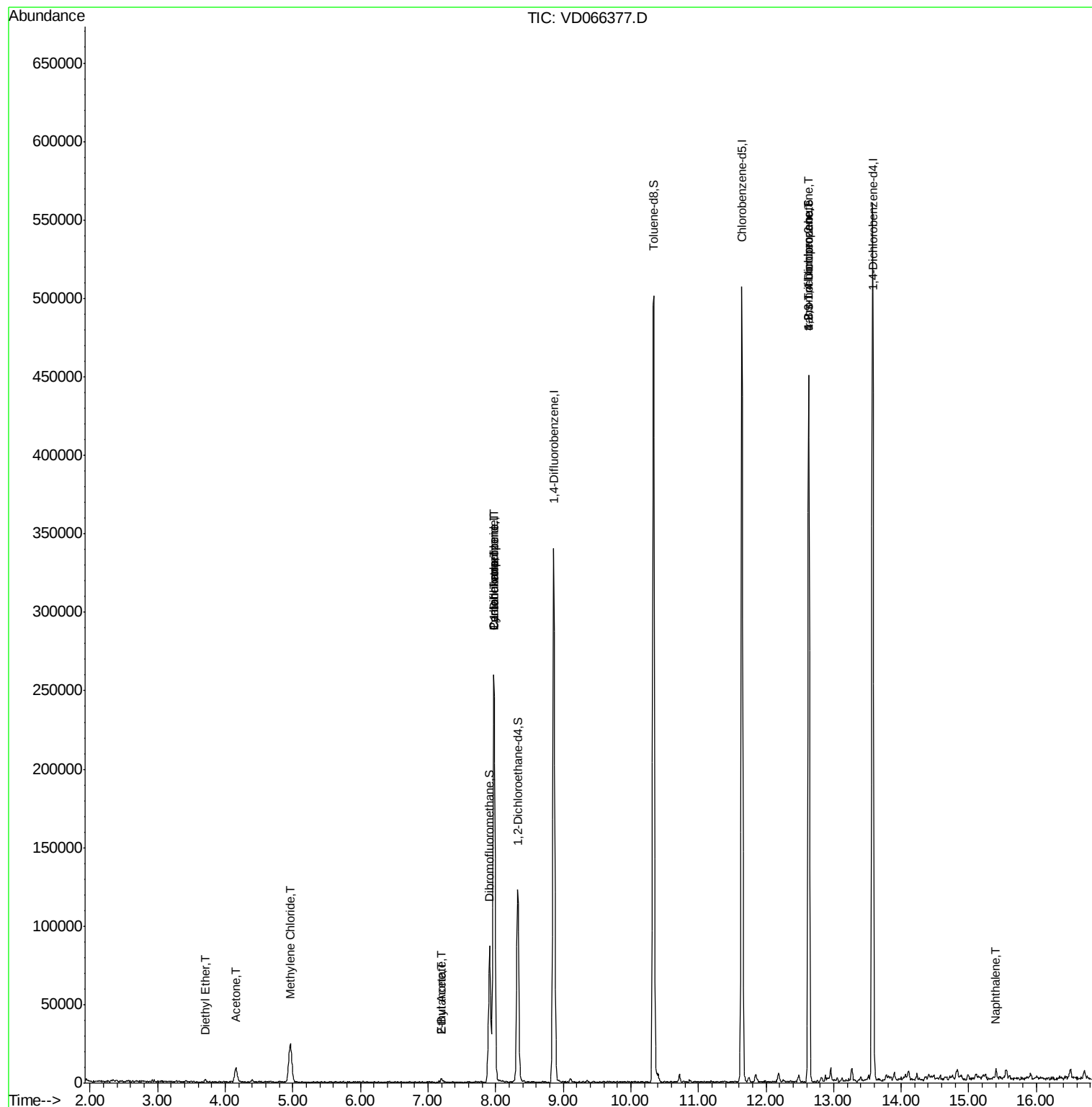
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	957	1.230	ug/l #	35
11) Tert butyl alcohol	5.22	59	90	Below Cal	#	71
16) Acetone	4.16	43	15363	44.035	ug/l #	84
20) Methylene Chloride	4.96	84	20368	5.259	ug/l #	84
25) 2-Butanone	7.20	43	1319	3.330	ug/l #	85
31) Cyclohexane	7.97	56	4645	1.729	ug/l #	32
36) 1,1-Dichloropropene	7.97	75	14146	5.260	ug/l #	53
37) Ethyl Acetate	7.20	43	1319	1.442	ug/l #	85
38) Carbon Tetrachloride	7.98	117	19913	5.684	ug/l #	19
76) 1,2,3-Trichloropropane	12.63	75	76538	72.824	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	76538	154.583	ug/l #	6
95) Naphthalene	15.40	128	6046	1.208	ug/l	95

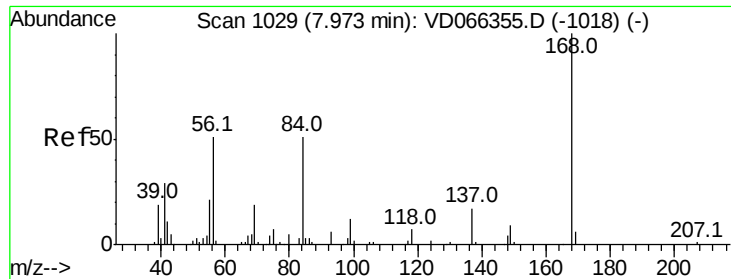
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 25 02:41:30 2020
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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: VD066377.D

Acq: 24 Aug 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

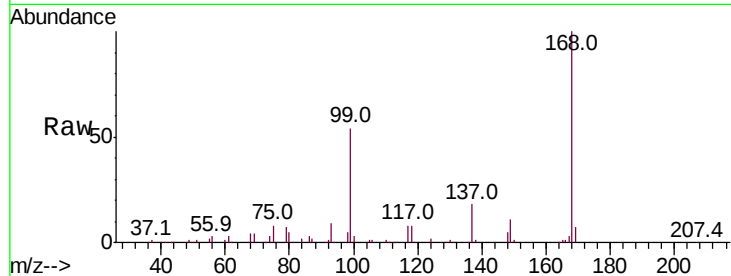
EROC-BF-1C

Tot Ion:168 Resp: 197387

Ion Ratio Lower Upper

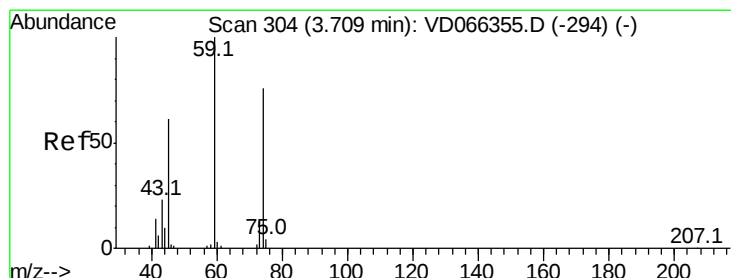
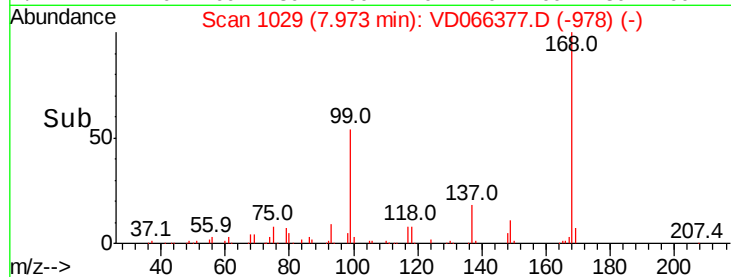
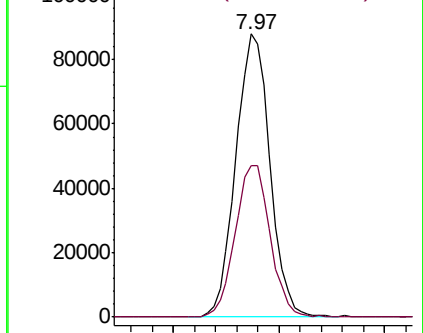
168 100

99 53.4 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.230 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD066377.D

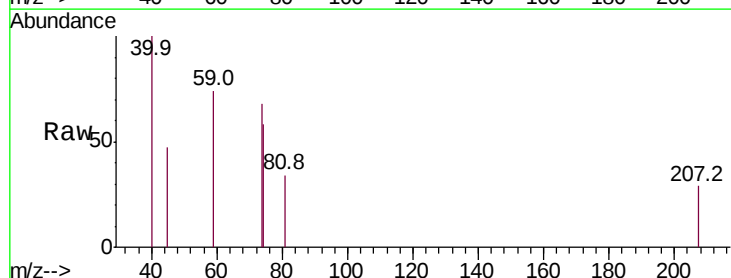
Acq: 24 Aug 2020 13:24

Tgt Ion: 74 Resp: 957

Ion Ratio Lower Upper

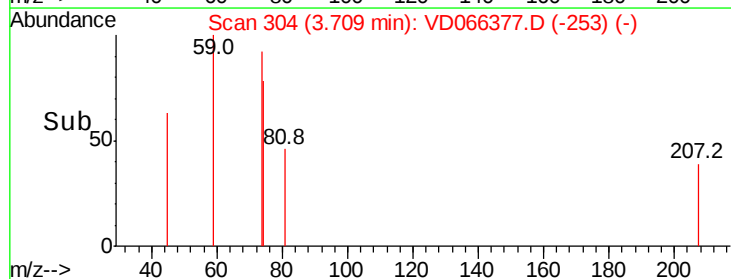
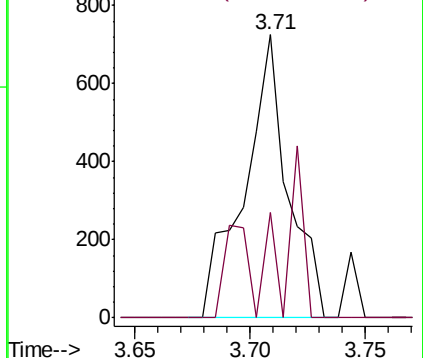
74 100

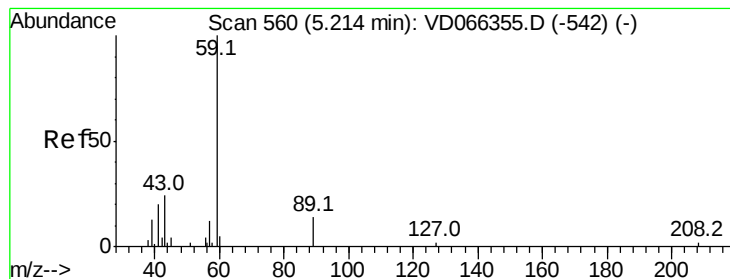
45 26.2 42.8 128.3#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



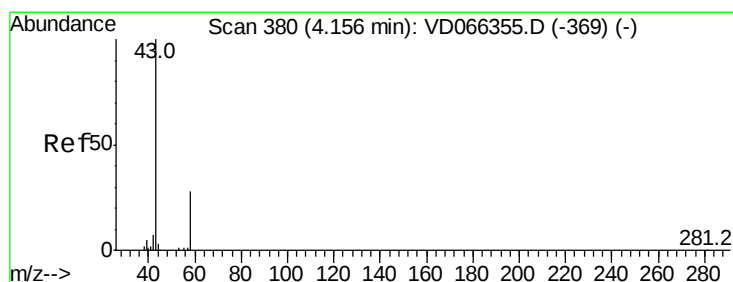
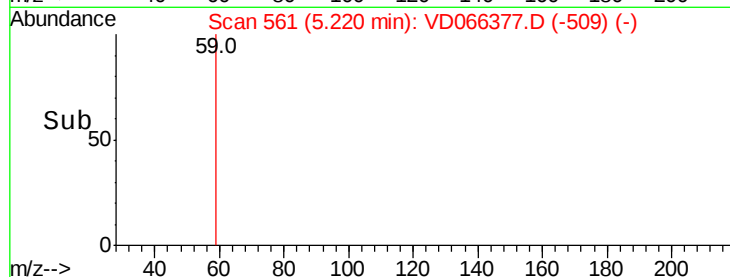
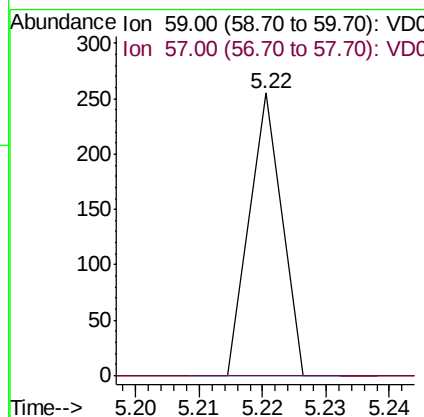
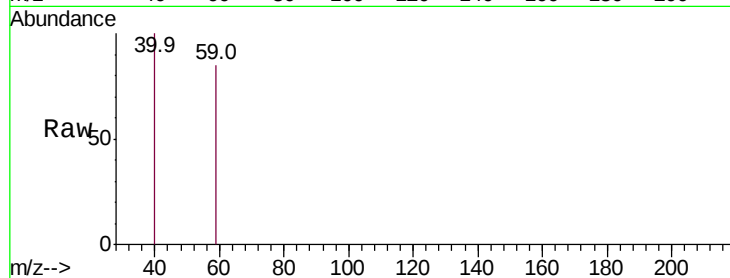


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD066377.D
 Acq: 24 Aug 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 EROC-BF-1C

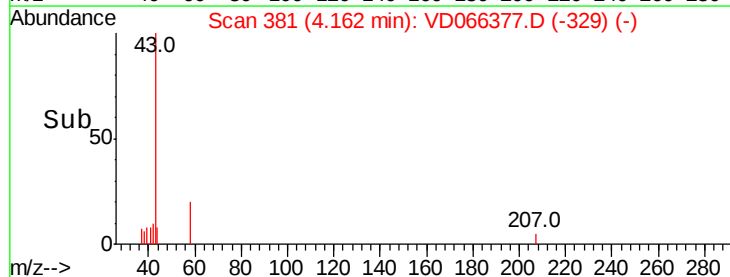
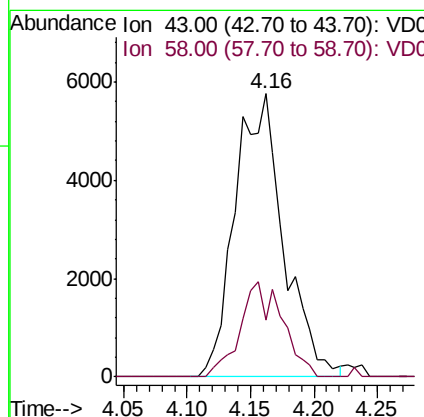
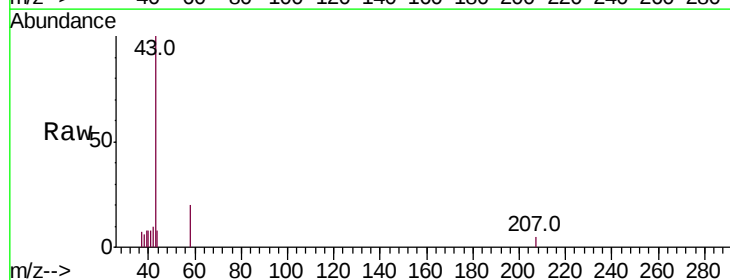
Tot Ion: 59 Resp: 90
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

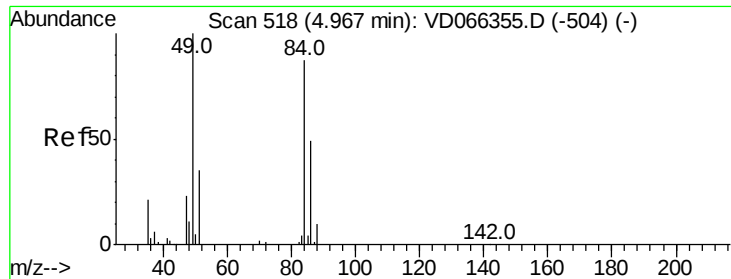


#16

Acetone
 Concen: 44.035 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066377.D
 Acq: 24 Aug 2020 13:24

Tgt Ion: 43 Resp: 15363
 Ion Ratio Lower Upper
 43 100
 58 20.0 22.7 34.1#

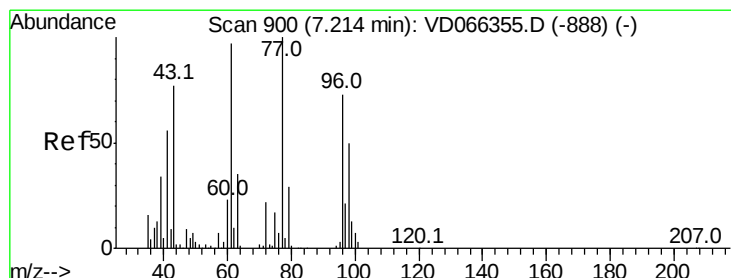
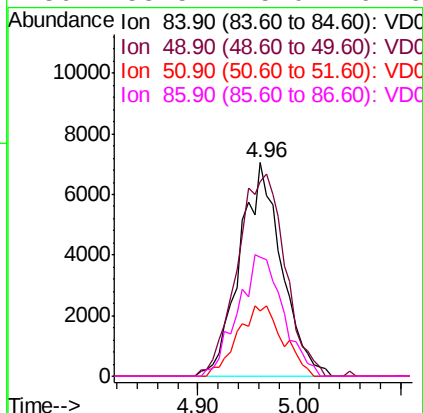
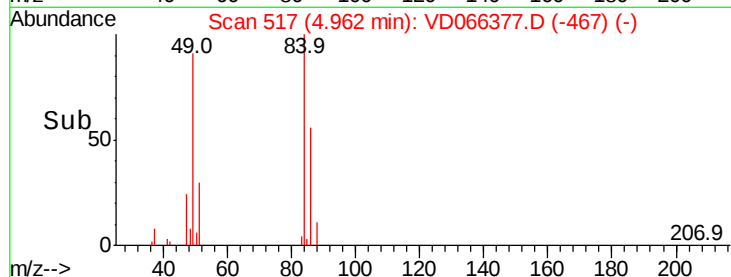
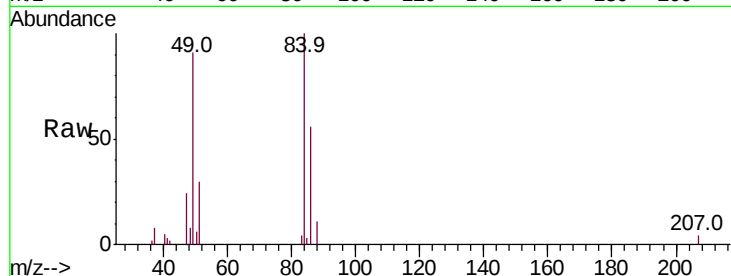




#20
Methvlene Chloride
Concen: 5.259 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066377.D
Acq: 24 Aug 2020 13:24

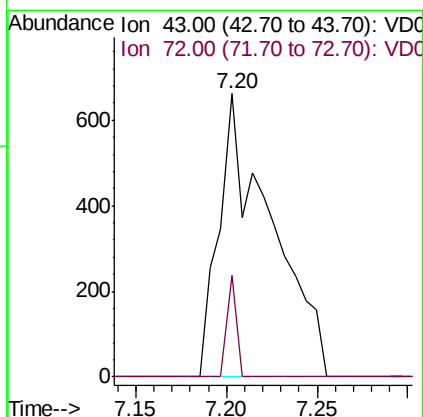
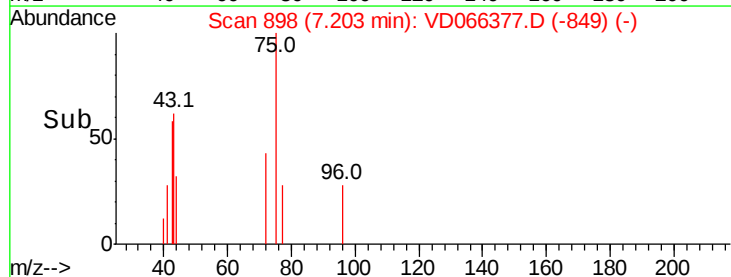
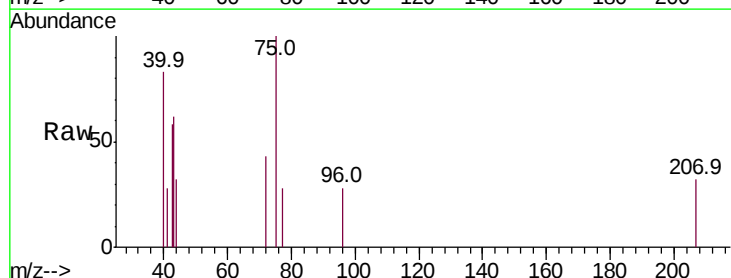
Instrument :
MSVOA_D
ClientSampleId :
EROC-BF-1C

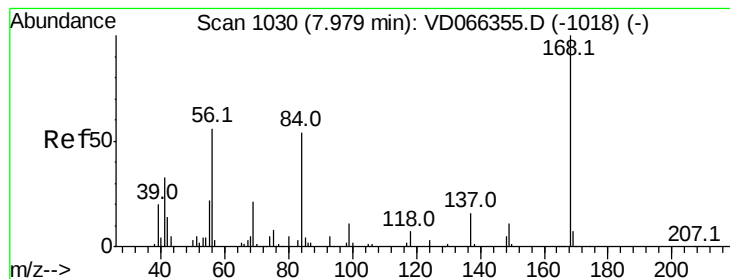
Tot Ion: 84 Resp: 20368
Ion Ratio Lower Upper
84 100
49 91.2 92.5 138.7#
51 30.5 32.5 48.7#
86 55.5 45.0 67.6



#25
2-Butanone
Concen: 3.330 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066377.D
Acq: 24 Aug 2020 13:24

Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
72 35.8 22.5 33.7#





#31

Cyclohexane

Concen: 1.729 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066377.D

Acq: 24 Aug 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1C

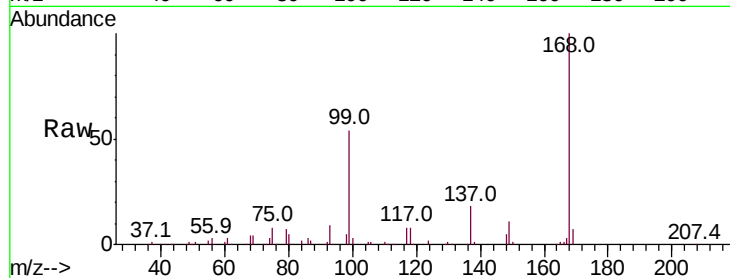
Tot Ion: 56 Resp: 4645

Ion Ratio Lower Upper

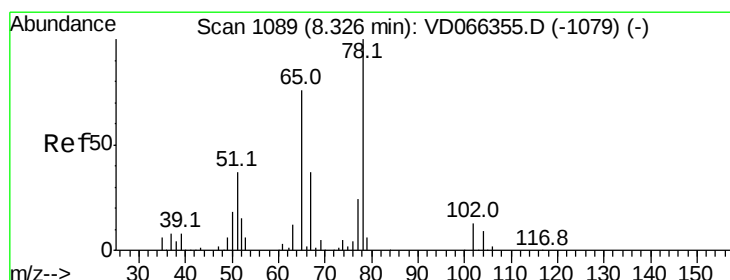
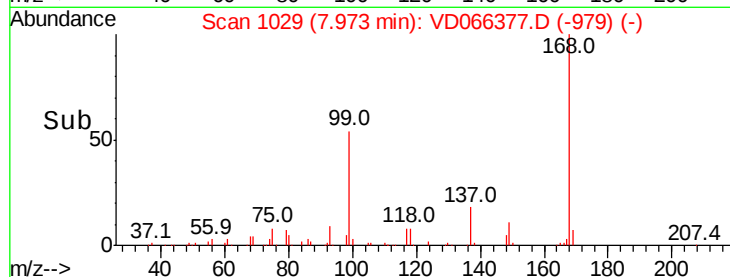
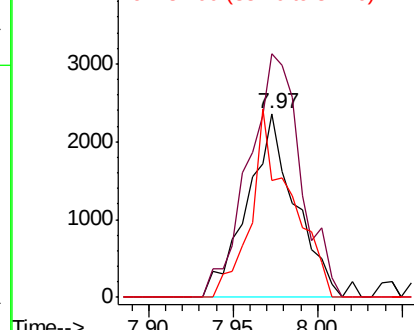
56 100

69 132.7 29.6 44.4#

84 64.0 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: 56.425 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066377.D

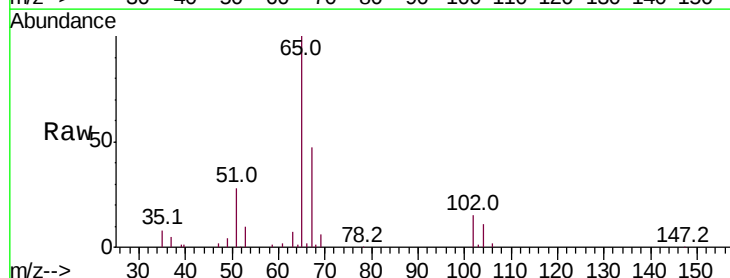
Acq: 24 Aug 2020 13:24

Tgt Ion: 65 Resp: 109192

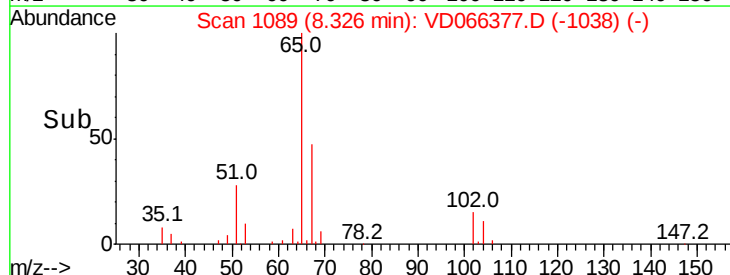
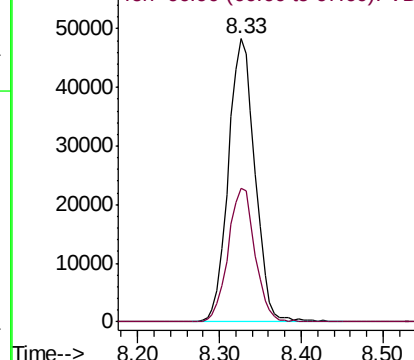
Ion Ratio Lower Upper

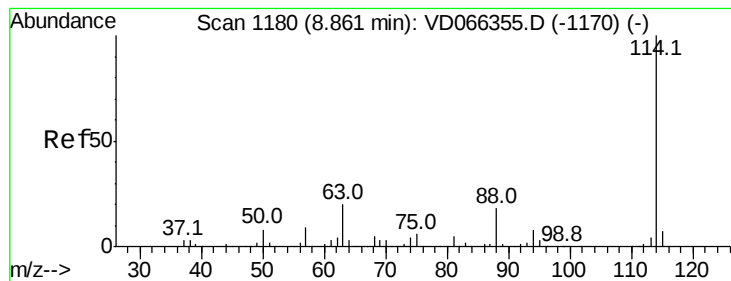
65 100

67 47.6 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: VD066377.D

Acq: 24 Aug 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1C

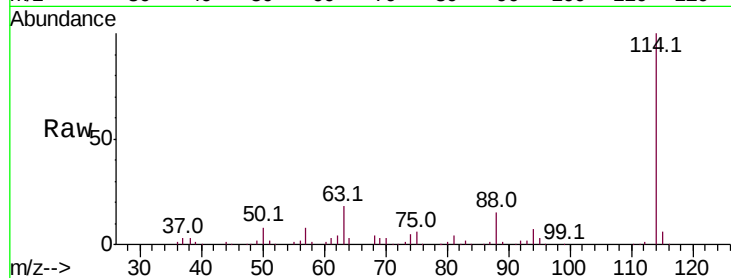
Tot Ion:114 Resp: 294726

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.8

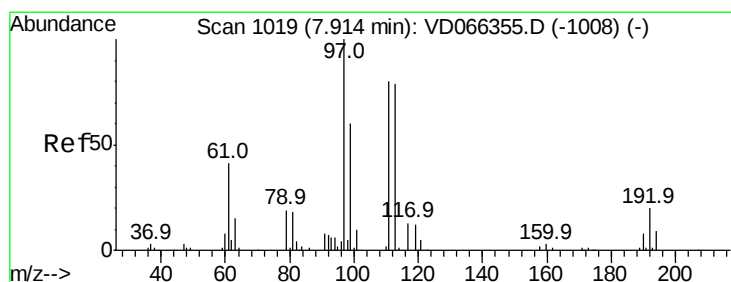
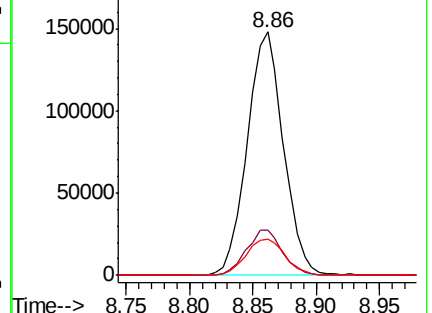
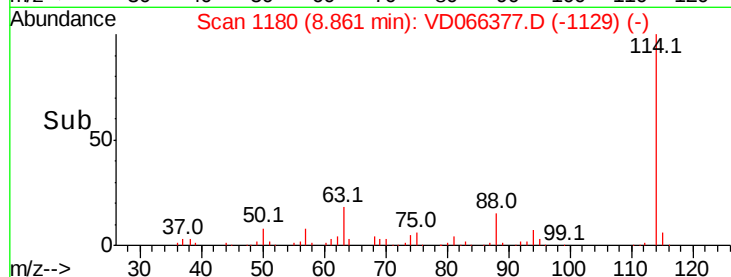
88 14.7 0.0 35.4



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



#35

Dibromofluoromethane

Concen: 29.459 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066377.D

Acq: 24 Aug 2020 13:24

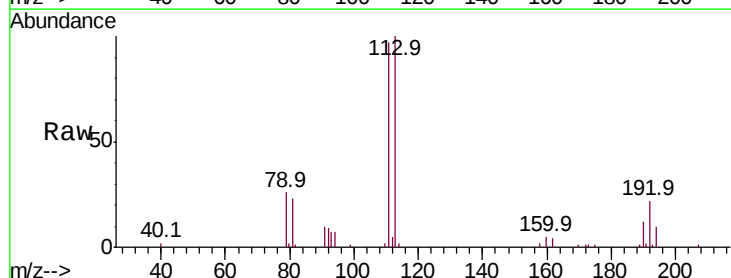
Tgt Ion:113 Resp: 54291

Ion Ratio Lower Upper

113 100

111 106.2 80.3 120.5

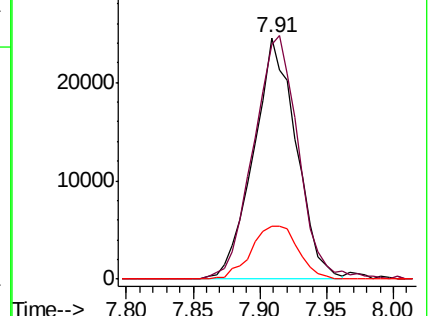
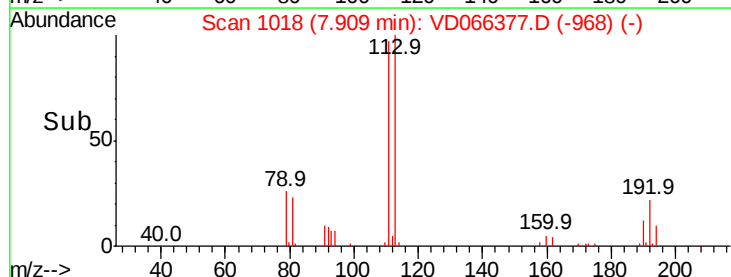
192 24.1 19.0 28.6

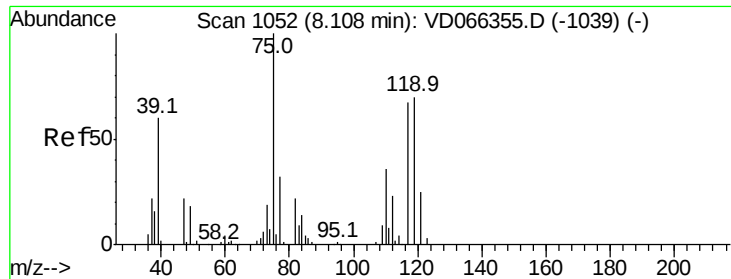


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

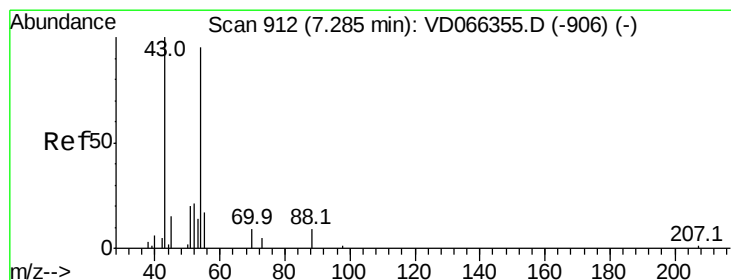
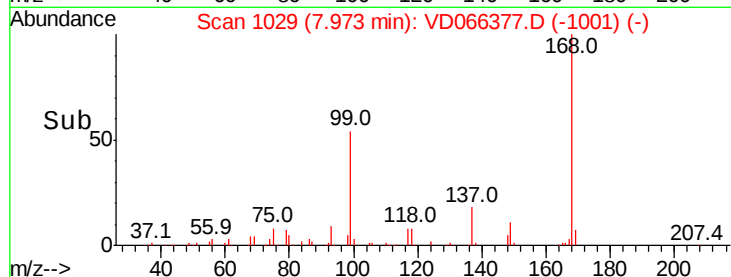
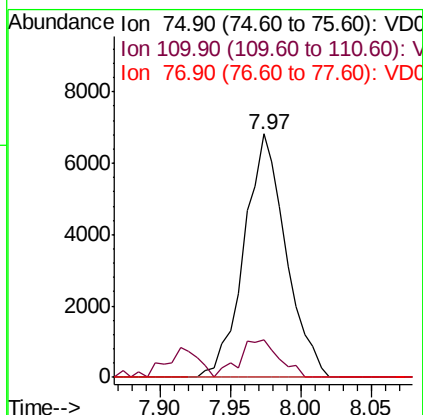
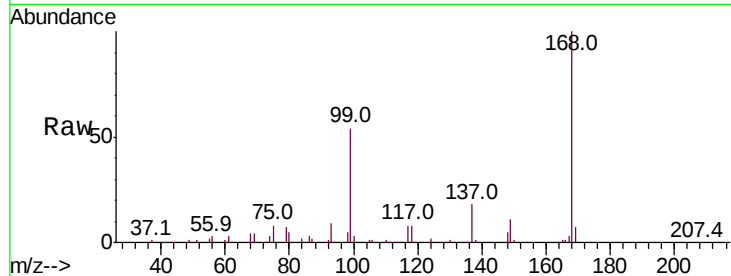




#36
 1,1-Dichloropropene
 Concen: 5.260 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066377.D
 Acq: 24 Aug 2020 13:24

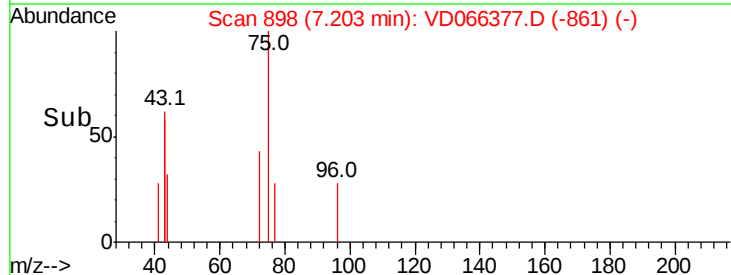
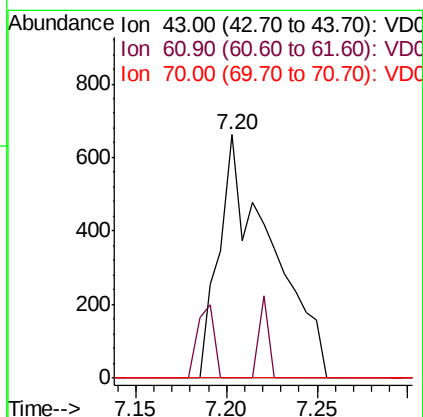
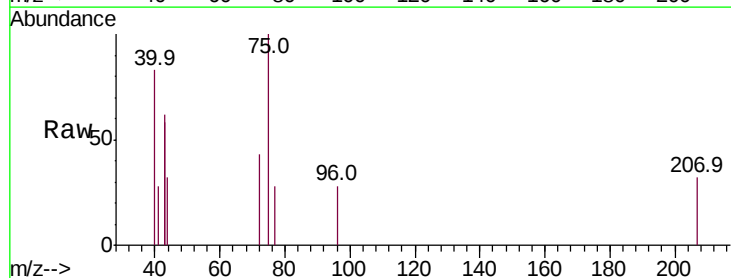
Instrument :
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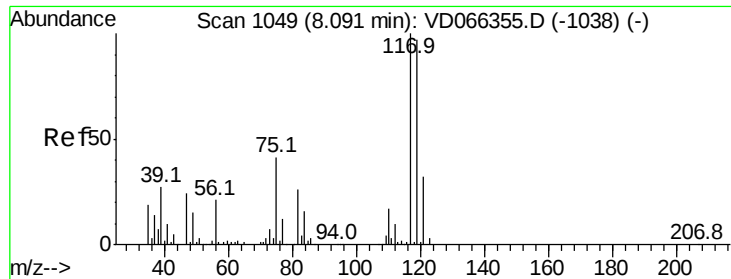
Tot Ion: 75 Resp: 14146
 Ion Ratio Lower Upper
 75 100
 110 14.7 18.7 56.1#
 77 0.0 25.2 37.8#



#37
 Ethyl Acetate
 Concen: 1.442 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.08 min
 Lab File: VD066377.D
 Acq: 24 Aug 2020 13:24

Tgt Ion: 43 Resp: 1319
 Ion Ratio Lower Upper
 43 100
 61 9.7 13.3 19.9#
 70 0.0 3.5 5.3#





#38

Carbon Tetrachloride

Concen: 5.684 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066377.D

Acq: 24 Aug 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1C

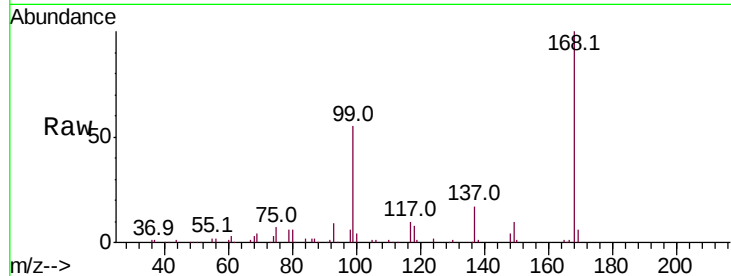
Tot Ion:117 Resp: 19913

Ion Ratio Lower Upper

117 100

119 9.0 77.2 115.8#

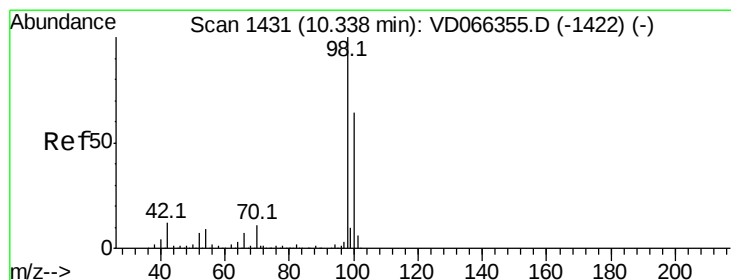
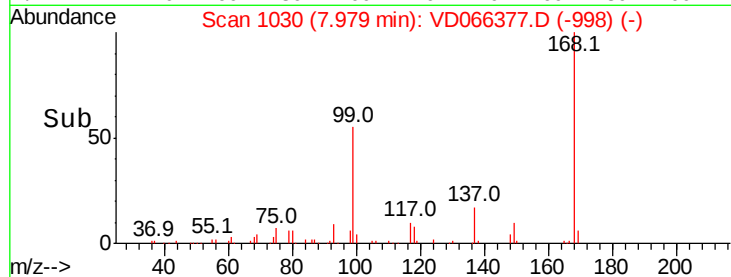
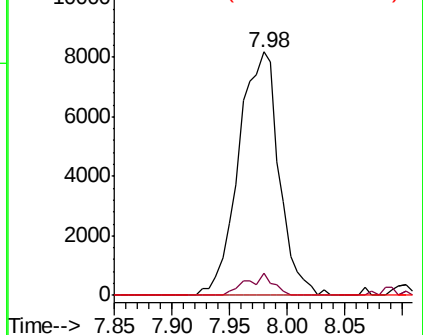
121 0.0 25.8 38.8#



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: 51.098 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066377.D

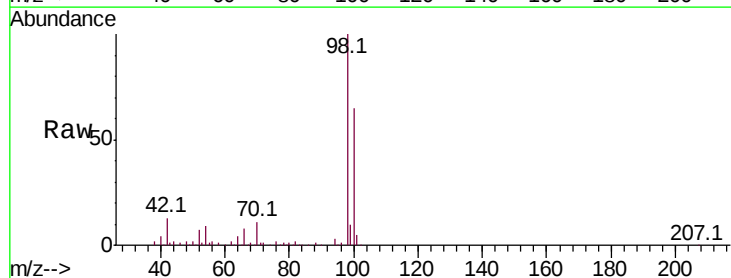
Acq: 24 Aug 2020 13:24

Tgt Ion: 98 Resp: 344556

Ion Ratio Lower Upper

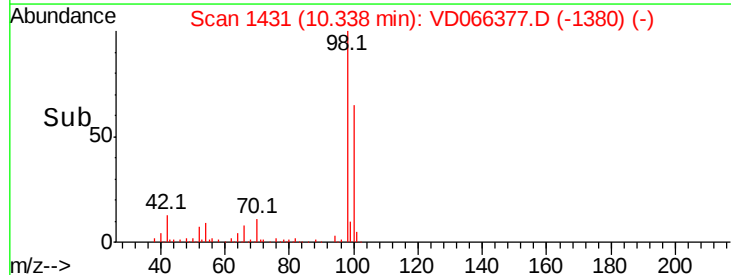
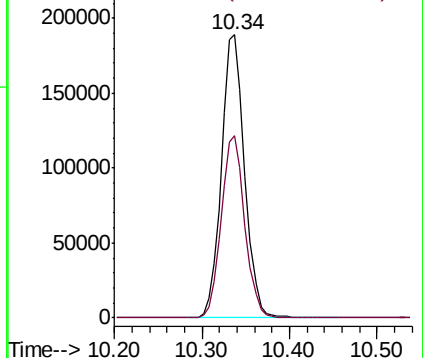
98 100

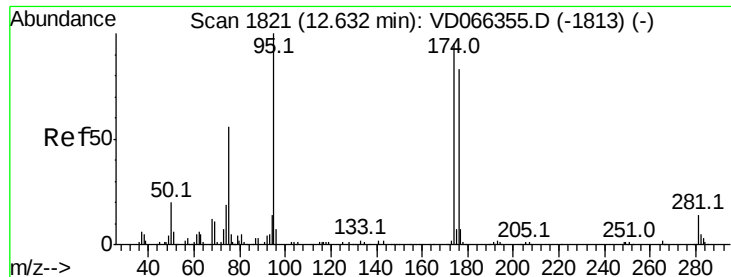
100 65.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 55.040 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066377.D

Acq: 24 Aug 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1C

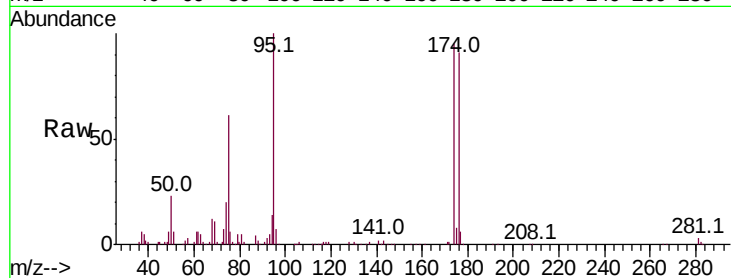
Tot Ion: 95 Resp: 131696

Ion Ratio Lower Upper

95 100

174 94.4 0.0 183.4

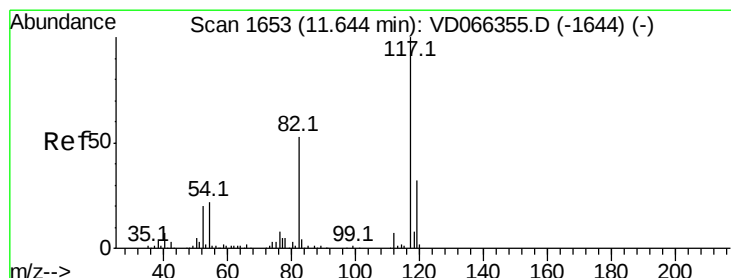
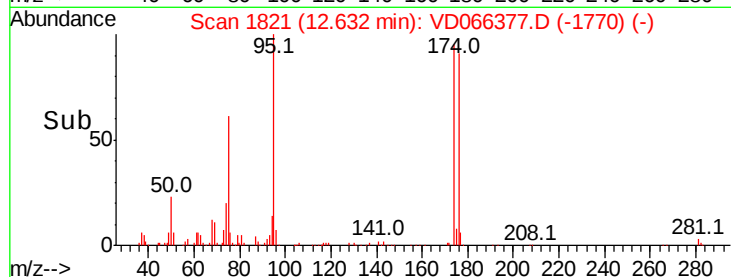
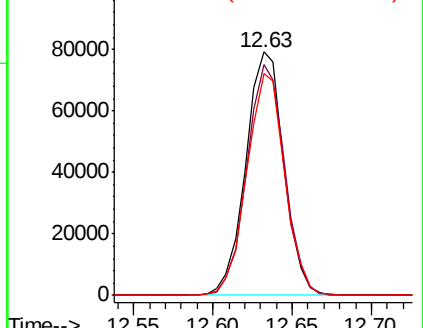
176 91.1 0.0 173.8



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: VD066377.D

Acq: 24 Aug 2020 13:24

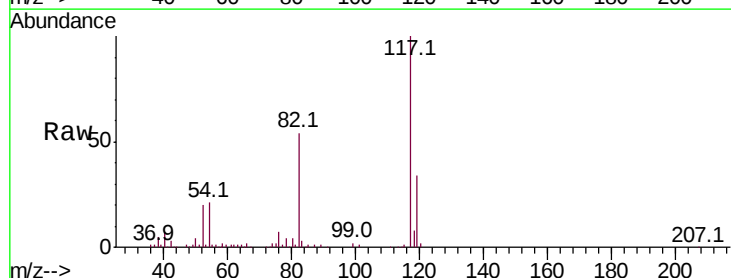
Tgt Ion: 117 Resp: 288442

Ion Ratio Lower Upper

117 100

82 54.4 42.8 64.2

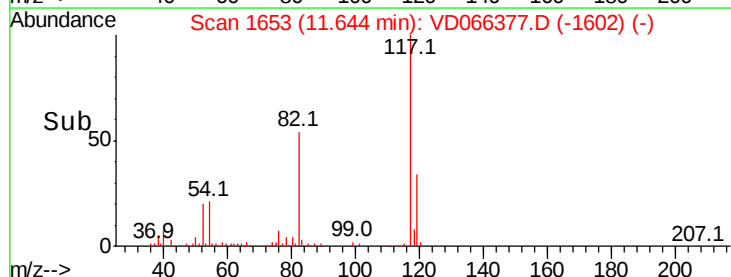
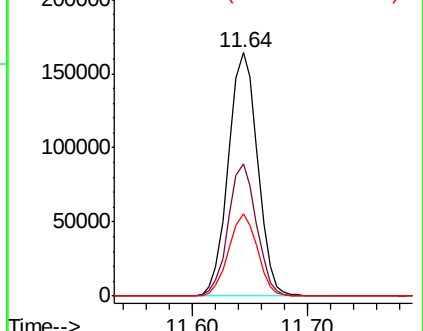
119 33.9 25.8 38.8

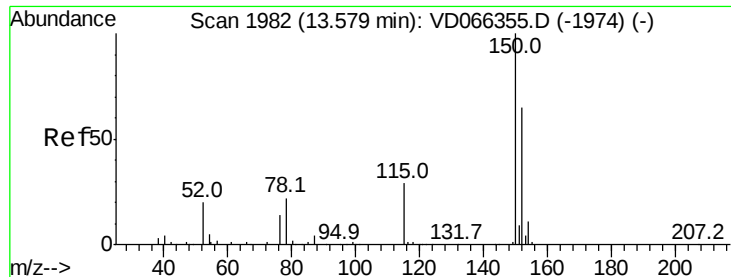


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066377.D

Acq: 24 Aug 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1C

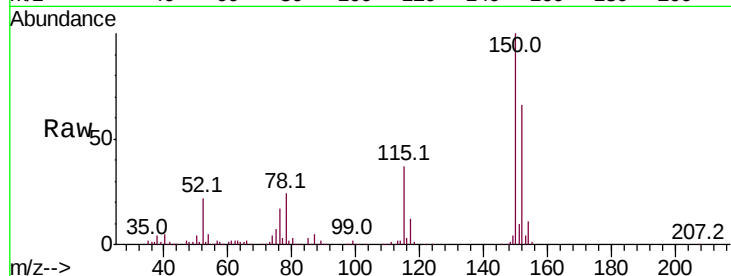
Tot Ion:152 Resp: 149394

Ion Ratio Lower Upper

152 100

115 57.7 28.3 85.0

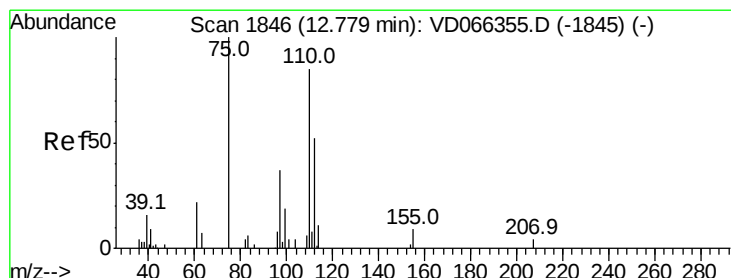
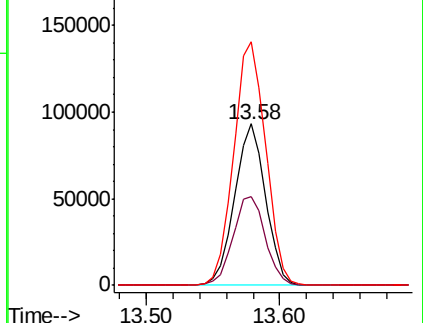
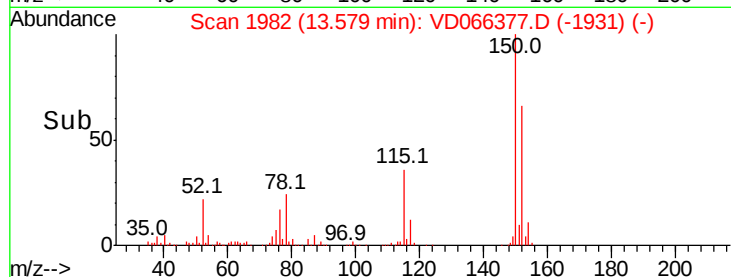
150 156.1 0.0 343.2



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: 72.824 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066377.D

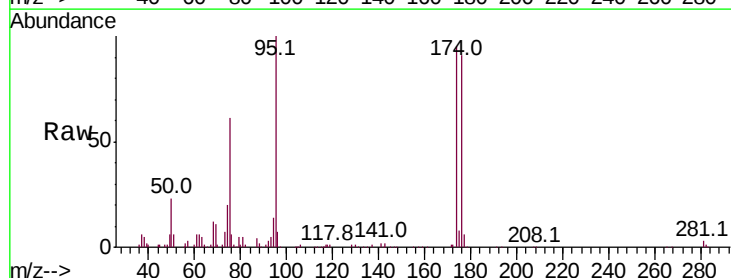
Acq: 24 Aug 2020 13:24

Tgt Ion: 75 Resp: 76538

Ion Ratio Lower Upper

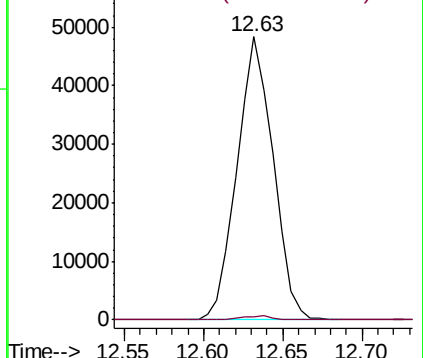
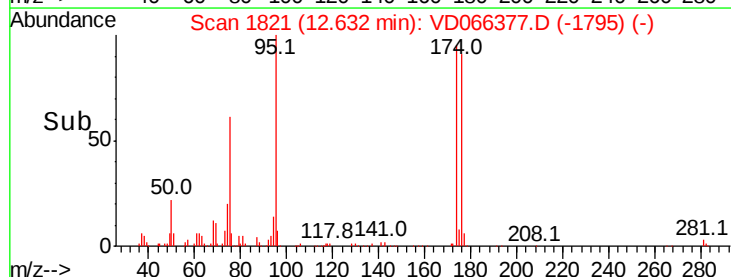
75 100

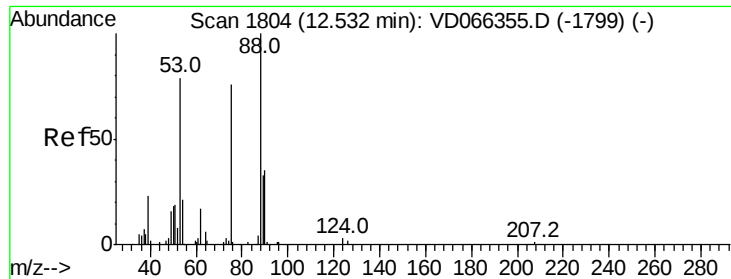
77 1.3 182.9 548.9#



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: 154.583 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066377.D

Acq: 24 Aug 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1C

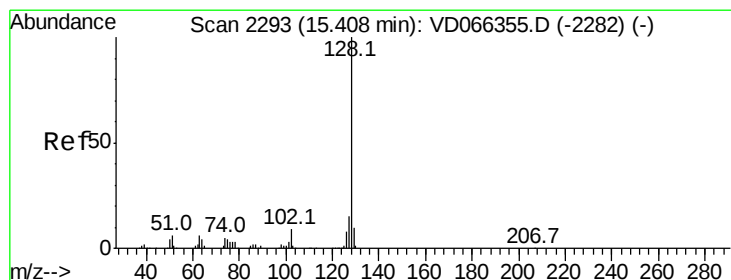
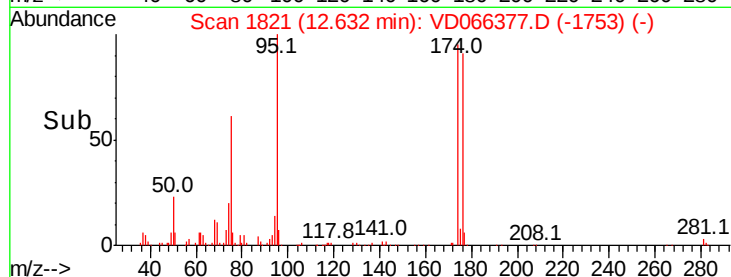
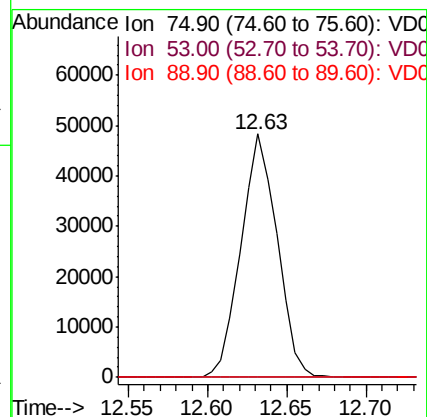
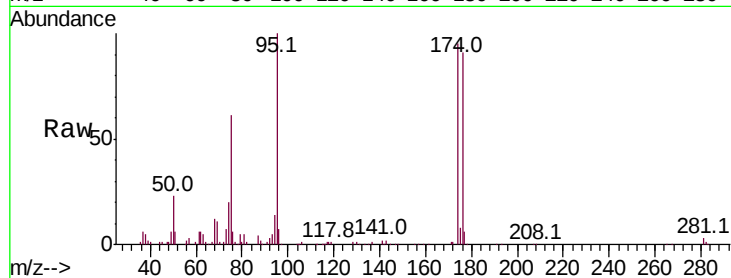
Tot Ion: 75 Resp: 76538

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.1 39.4 59.0#



#95

Naphthalene

Concen: 1.208 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066377.D

Acq: 24 Aug 2020 13:24

Tgt Ion: 128 Resp: 6046

Ion Ratio Lower Upper

128 100

127 15.6 10.7 16.1

129 9.5 8.6 12.8

