

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\
 Data File : VD066378.D
 Acq On : 24 Aug 2020 13:52
 Operator : VA/SY
 Sample : L3734-06RE
 Misc : 7.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EROC-BF-1E

Quant Time: Aug 25 02:41:38 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	192828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	295729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	281329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	142950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	104329	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
35) Dibromofluoromethane	7.91	113	56905	30.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.54%	
50) Toluene-d8	10.34	98	345577	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.63	95	130561	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	

Target Compounds

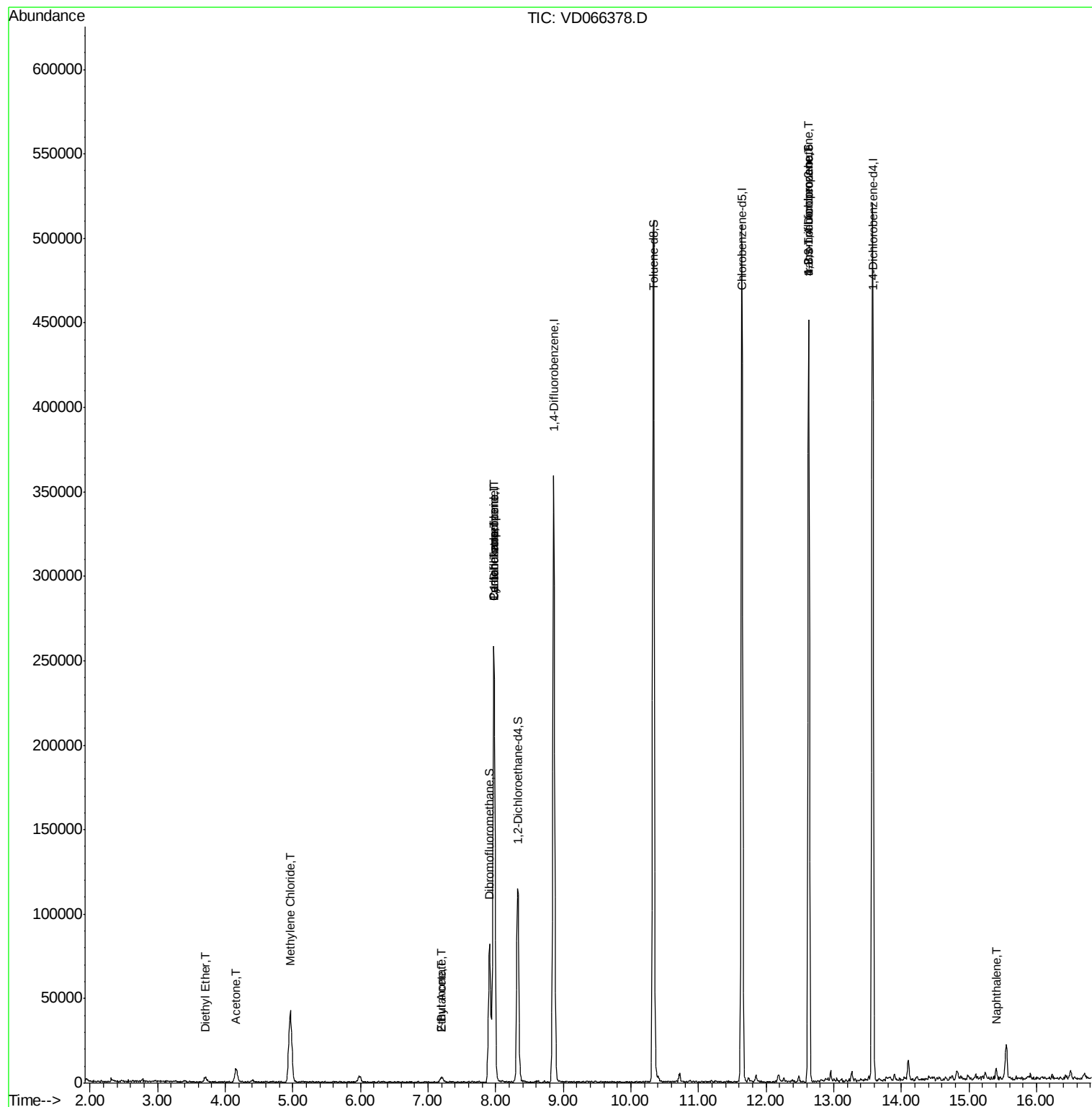
					Qvalue	
8) Diethyl Ether	3.71	74	1748	2.300	ug/l	93
11) Tert butyl alcohol	5.21	59	227	Below Cal	#	60
16) Acetone	4.16	43	14169	41.573	ug/l #	76
20) Methylene Chloride	4.96	84	33313	13.693	ug/l	91
25) 2-Butanone	7.21	43	1926	4.978	ug/l #	47
31) Cyclohexane	7.97	56	4316	1.644	ug/l #	52
36) 1,1-Dichloropropene	7.97	75	13545	5.020	ug/l #	47
37) Ethyl Acetate	7.21	43	1926	2.099	ug/l #	67
38) Carbon Tetrachloride	7.98	117	19877	5.654	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	73222	72.810	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	73222	154.552	ug/l #	6
95) Naphthalene	15.41	128	5676	1.185	ug/l #	82

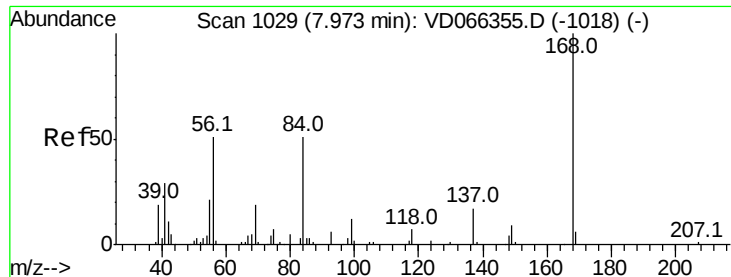
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082420\
Data File : VD066378.D
Acq On : 24 Aug 2020 13:52
Operator : VA/SY
Sample : L3734-06RE
Misc : 7.01G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EROC-BF-1E

Quant Time: Aug 25 02:41:38 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: VD066378.D

Acq: 24 Aug 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

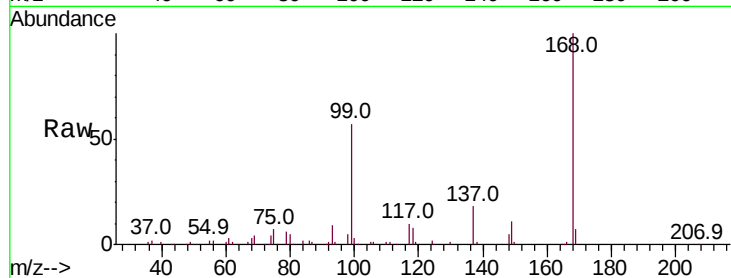
EROC-BF-1E

Tot Ion:168 Resp: 192828

Ion Ratio Lower Upper

168 100

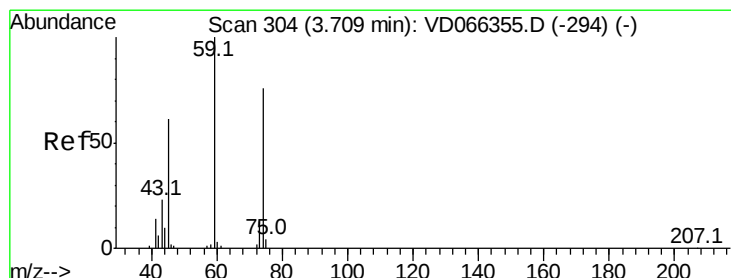
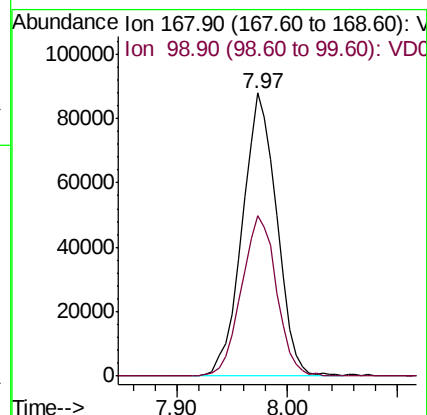
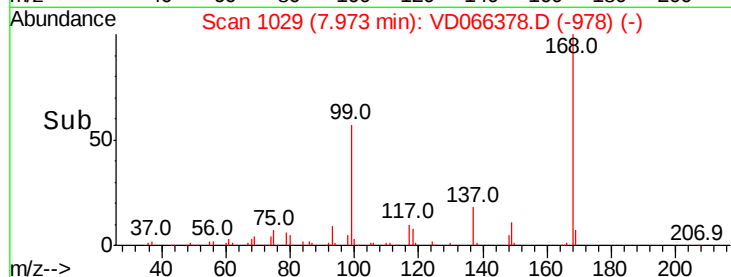
99 56.7 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97



#8

Diethyl Ether

Concen: 2.300 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD066378.D

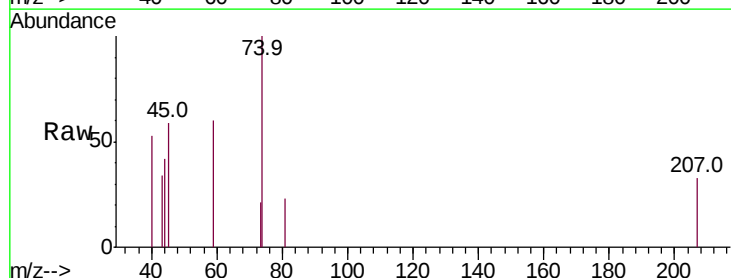
Acq: 24 Aug 2020 13:52

Tgt Ion: 74 Resp: 1748

Ion Ratio Lower Upper

74 100

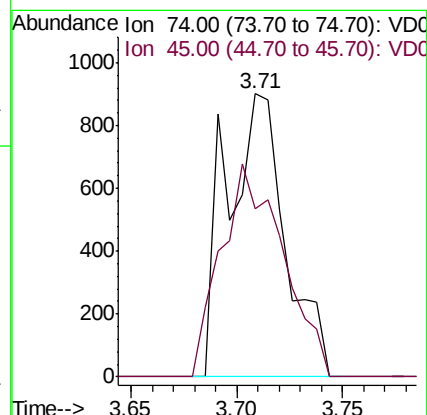
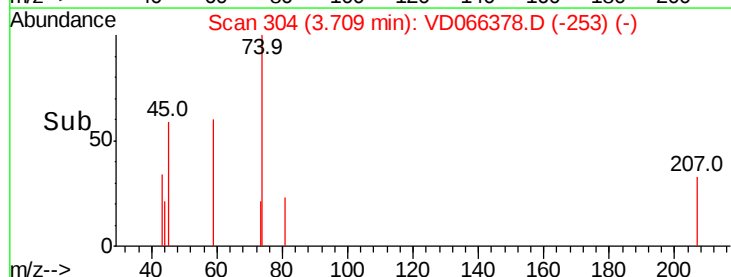
45 78.7 42.8 128.3

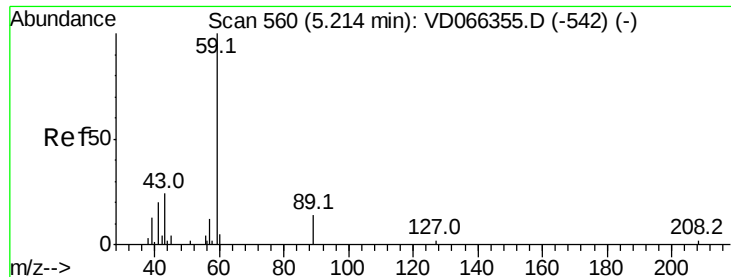


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

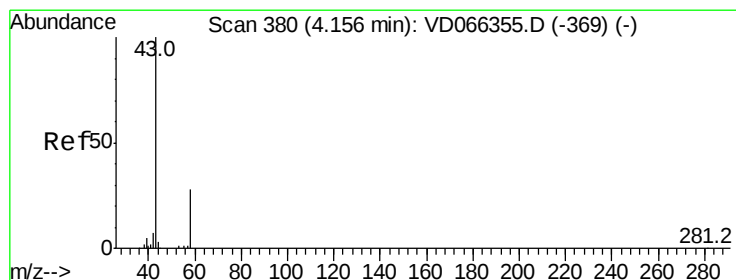
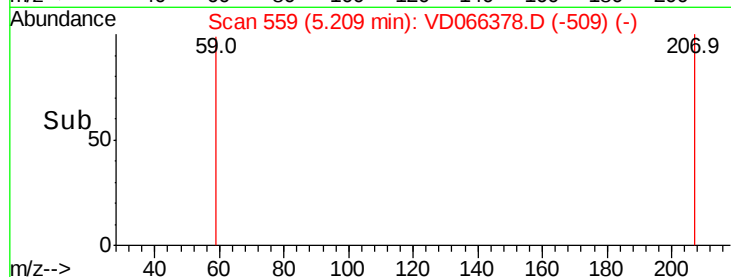
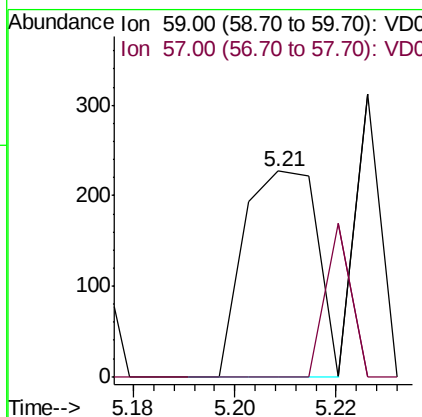
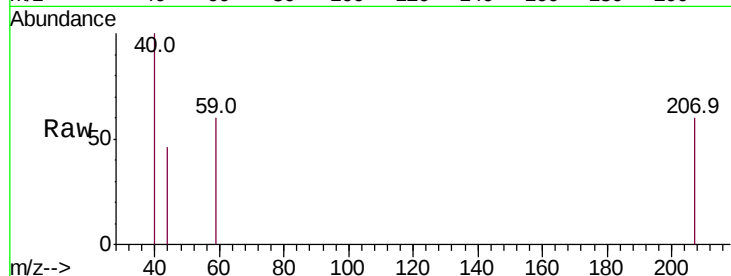




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD066378.D
Acq: 24 Aug 2020 13:52

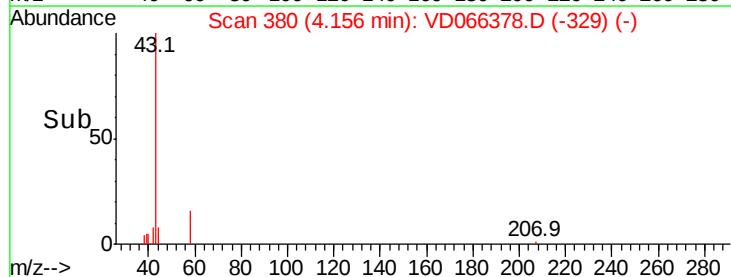
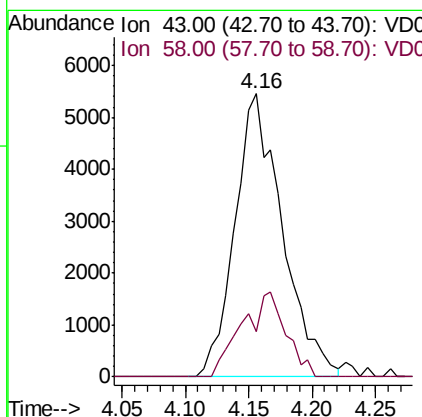
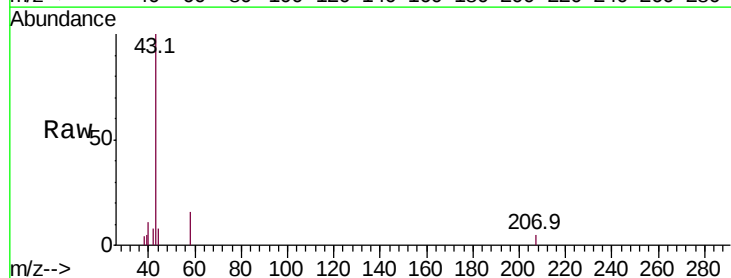
Instrument :
MSVOA_D
ClientSampleId :
EROC-BF-1E

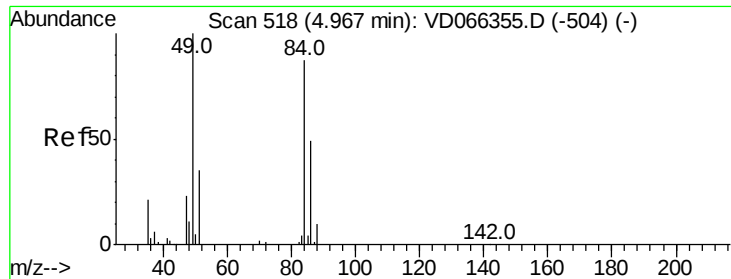
Tot Ion: 59 Resp: 227
Ion Ratio Lower Upper
59 100
57 26.4 9.0 13.4#



#16
Acetone
Concen: 41.573 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD066378.D
Acq: 24 Aug 2020 13:52

Tgt Ion: 43 Resp: 14169
Ion Ratio Lower Upper
43 100
58 15.8 22.7 34.1#

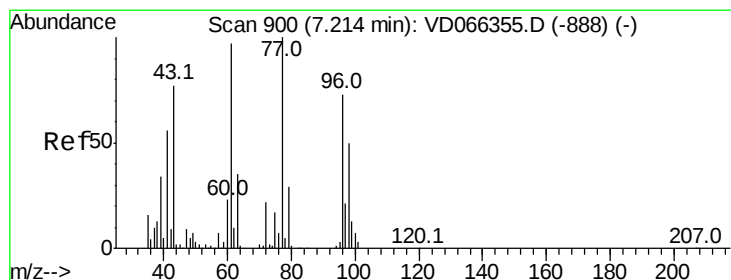
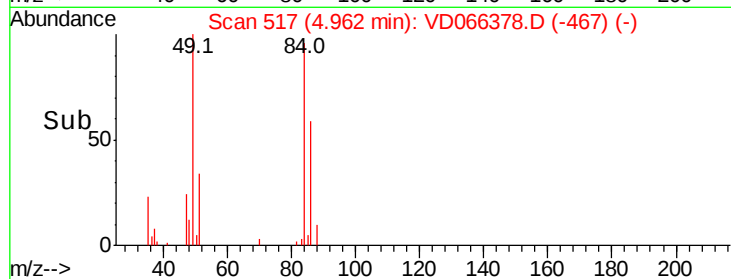
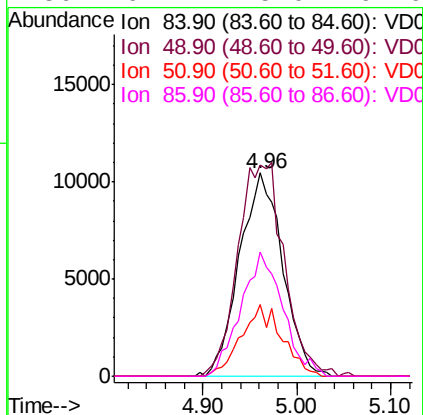
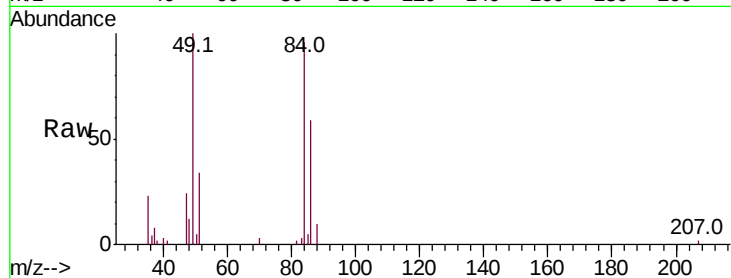




#20
Methylene Chloride
Concen: 13.693 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066378.D
Acq: 24 Aug 2020 13:52

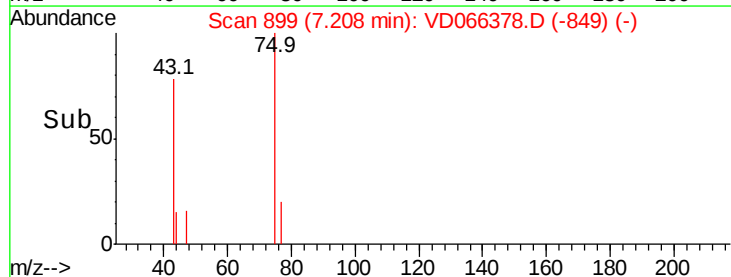
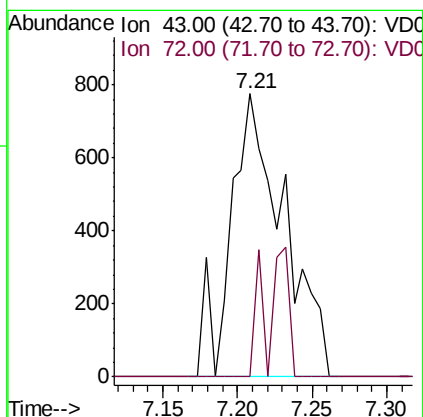
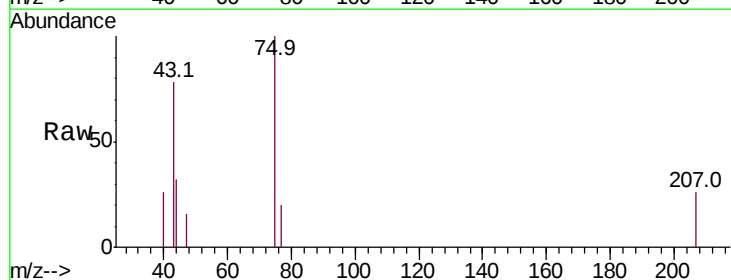
Instrument :
MSVOA_D
ClientSampleId :
EROC-BF-1E

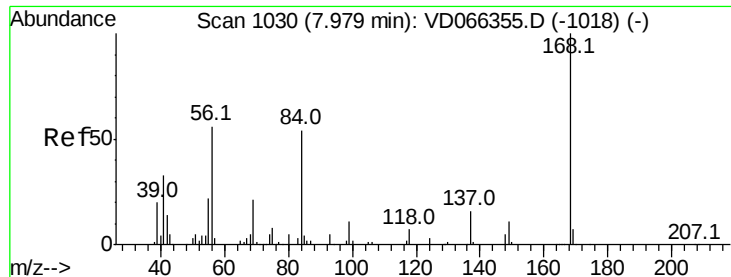
Tot Ion: 84 Resp: 33313
Ion Ratio Lower Upper
84 100
49 103.9 92.5 138.7
51 35.1 32.5 48.7
86 61.2 45.0 67.6



#25
2-Butanone
Concen: 4.978 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066378.D
Acq: 24 Aug 2020 13:52

Tgt Ion: 43 Resp: 1926
Ion Ratio Lower Upper
43 100
72 0.0 22.5 33.7#

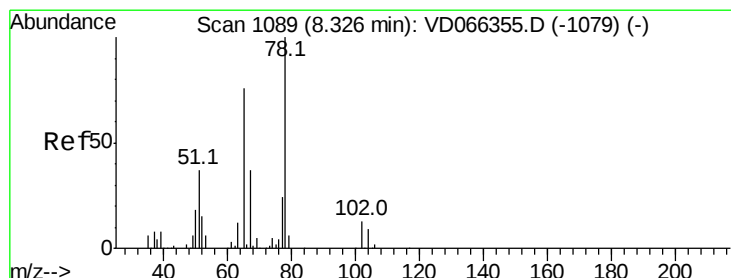
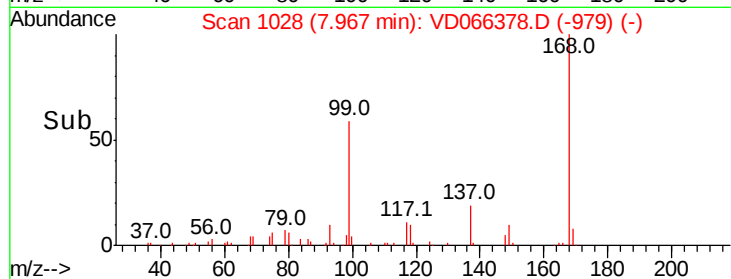
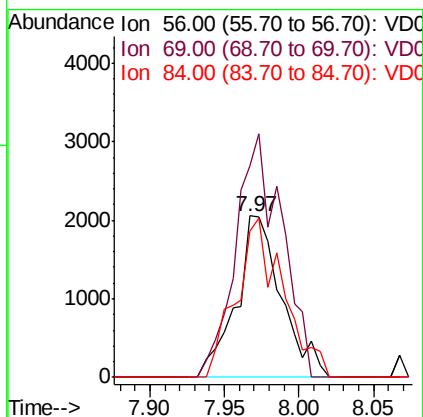
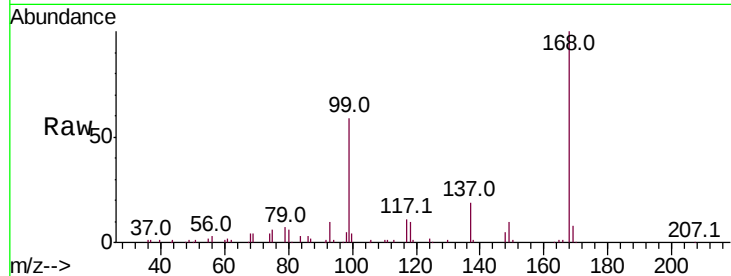




#31
Cyclohexane
Concen: 1.644 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066378.D
Acq: 24 Aug 2020 13:52

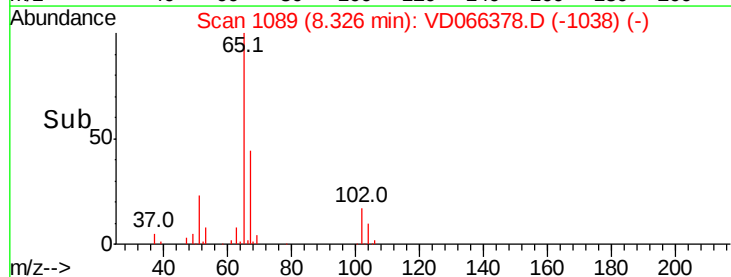
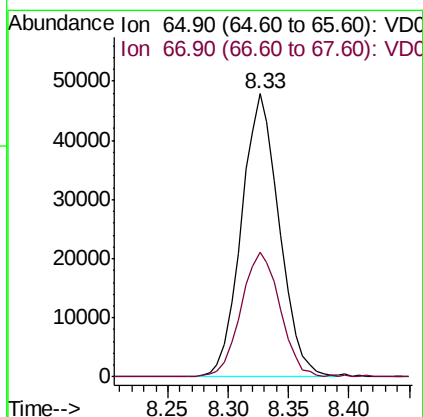
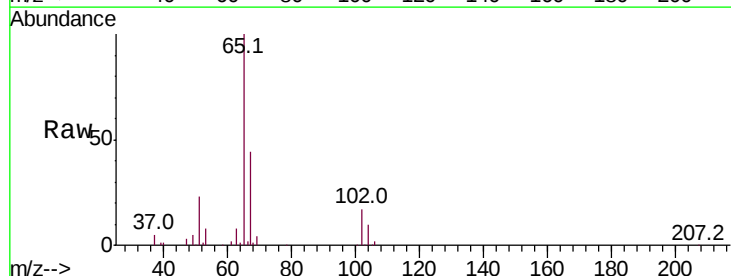
Instrument :
MSVOA_D
ClientSampleId :
EROC-BF-1E

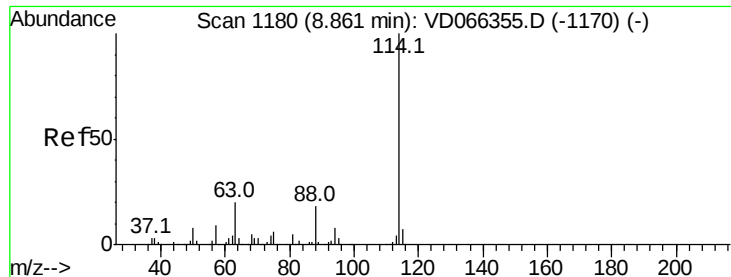
Tot Ion: 56 Resp: 4316
Ion Ratio Lower Upper
56 100
69 131.3 29.6 44.4#
84 90.8 76.6 115.0



#33
1,2-Dichloroethane-d4
Concen: 55.187 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066378.D
Acq: 24 Aug 2020 13:52

Tgt Ion: 65 Resp: 104329
Ion Ratio Lower Upper
65 100
67 45.5 0.0 101.6

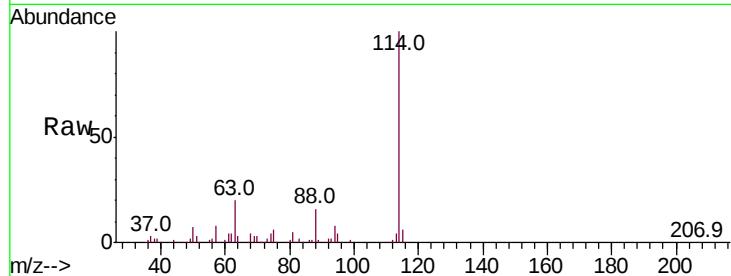




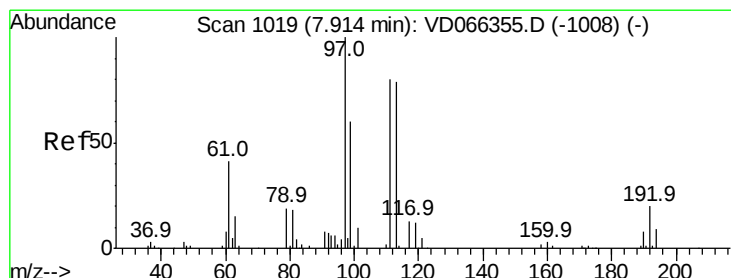
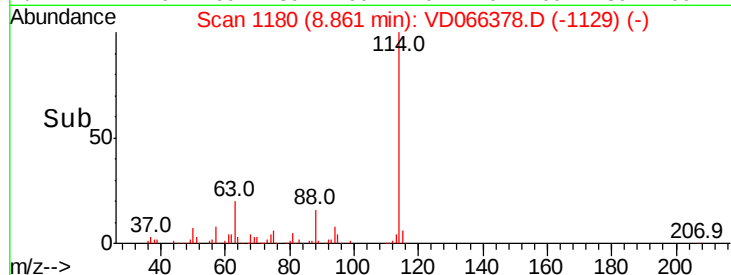
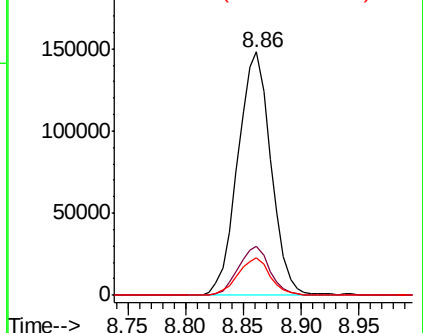
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066378.D
 Acq: 24 Aug 2020 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 EROC-BF-1E

Tot	Ion:114	Resp:	295729
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	15.6	0.0	35.4

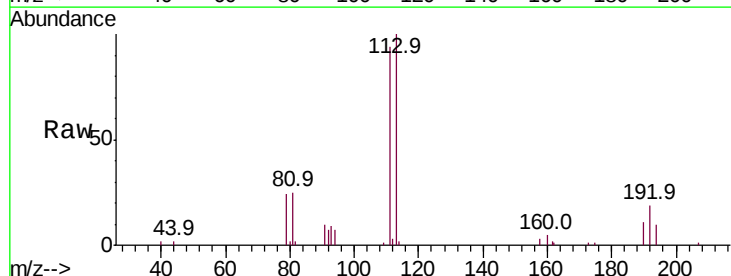


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

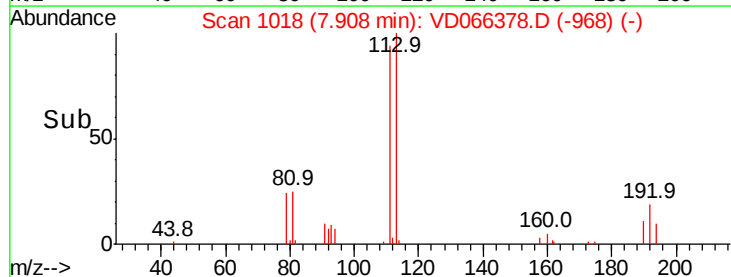
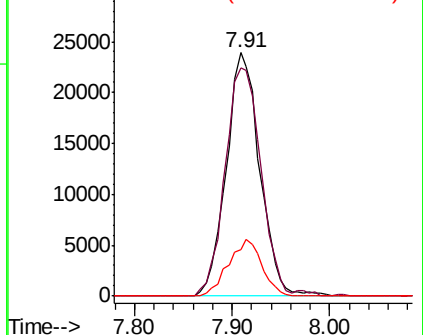


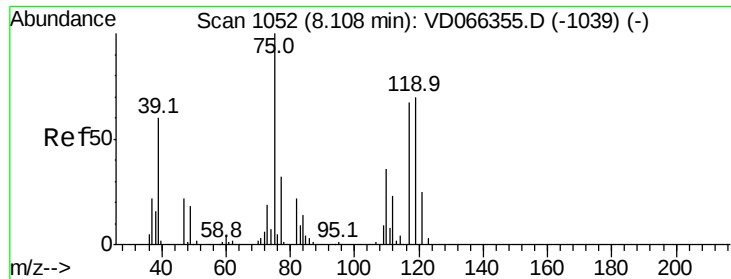
#35
 Dibromofluoromethane
 Concen: 30.772 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066378.D
 Acq: 24 Aug 2020 13:52

Tgt	Ion:113	Resp:	56905
Ion	Ratio	Lower	Upper
113	100		
111	99.8	80.3	120.5
192	23.1	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: 5.020 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066378.D

Acq: 24 Aug 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1E

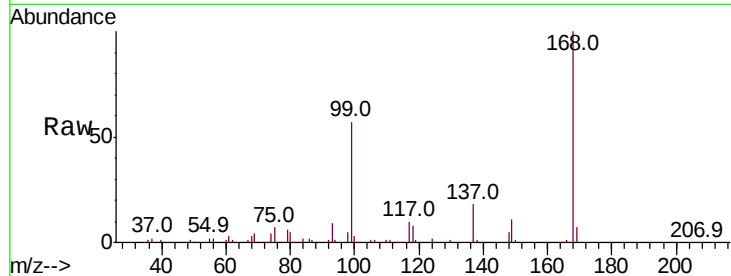
Tot Ion: 75 Resp: 13545

Ion Ratio Lower Upper

75 100

110 7.4 18.7 56.1#

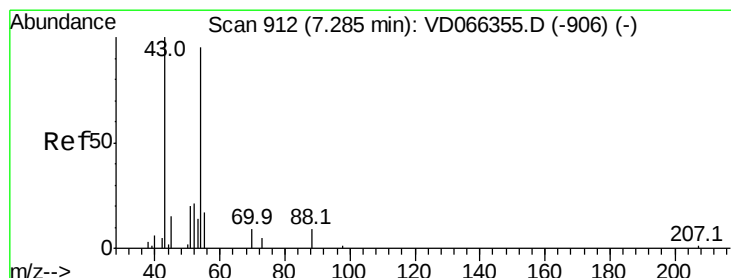
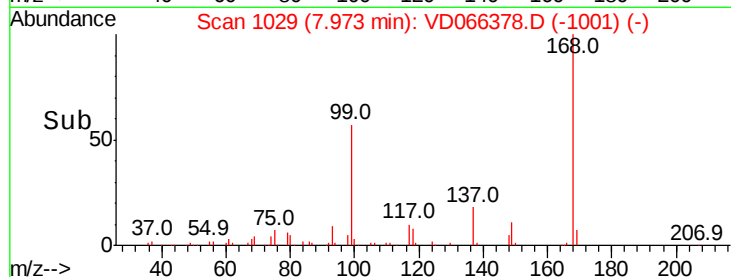
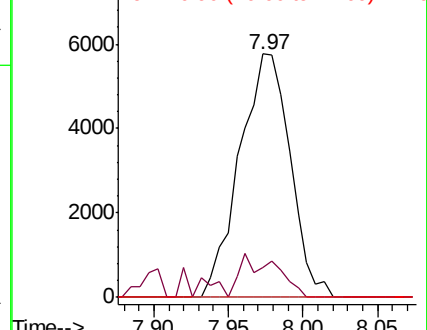
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 2.099 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.08 min

Lab File: VD066378.D

Acq: 24 Aug 2020 13:52

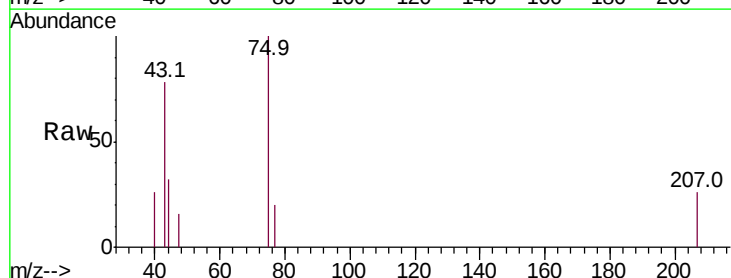
Tgt Ion: 43 Resp: 1926

Ion Ratio Lower Upper

43 100

61 0.0 13.3 19.9#

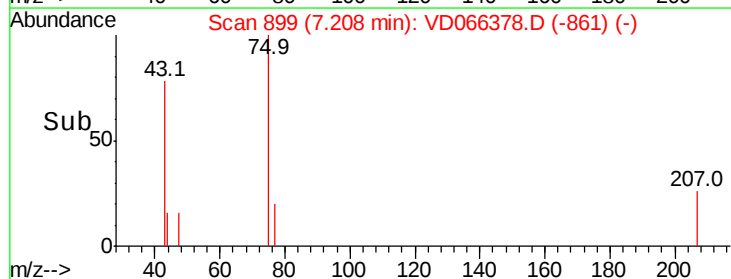
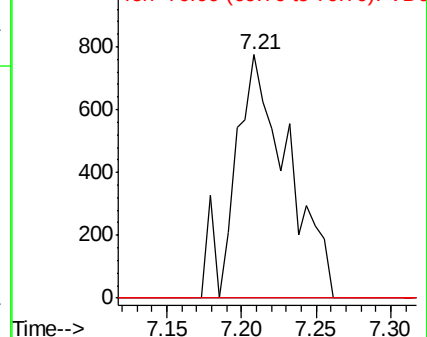
70 0.0 3.5 5.3#

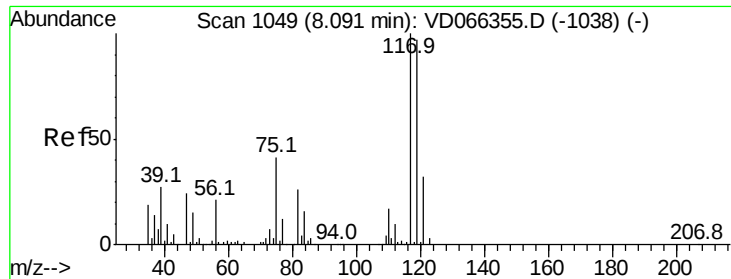


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.654 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066378.D

Acq: 24 Aug 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1E

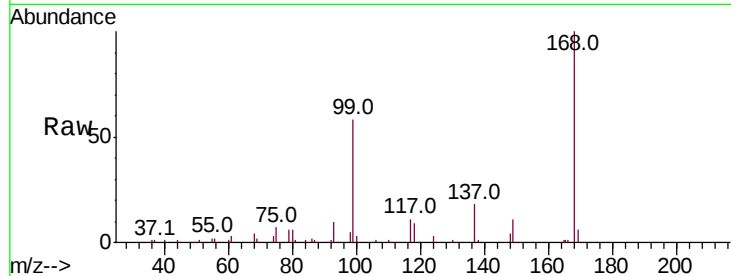
Tot Ion:117 Resp: 19877

Ion Ratio Lower Upper

117 100

119 4.3 77.2 115.8#

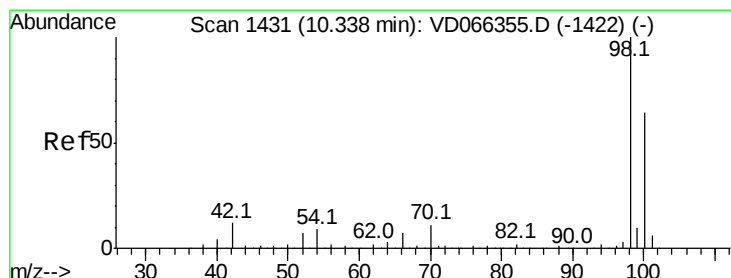
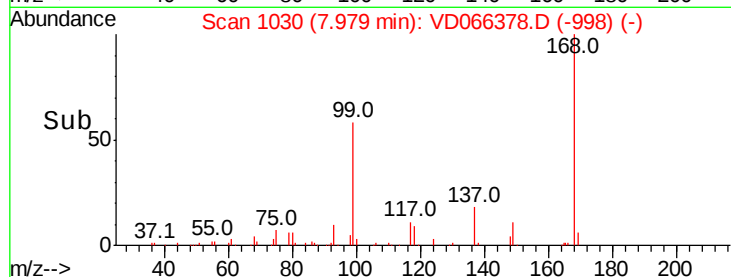
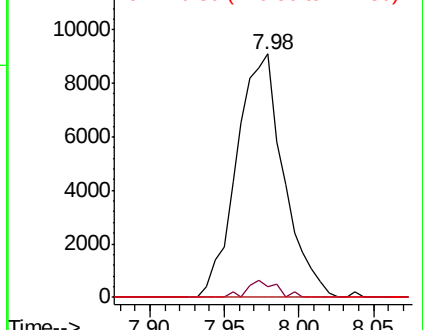
121 0.0 25.8 38.8#



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: 51.075 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066378.D

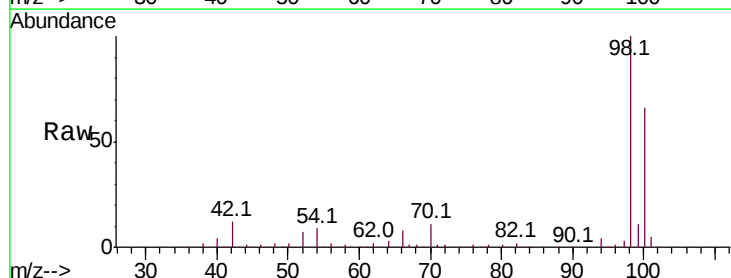
Acq: 24 Aug 2020 13:52

Tgt Ion: 98 Resp: 345577

Ion Ratio Lower Upper

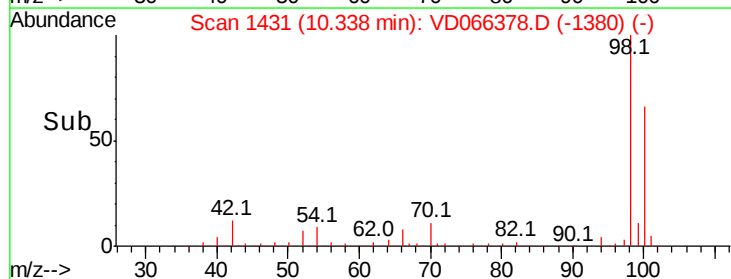
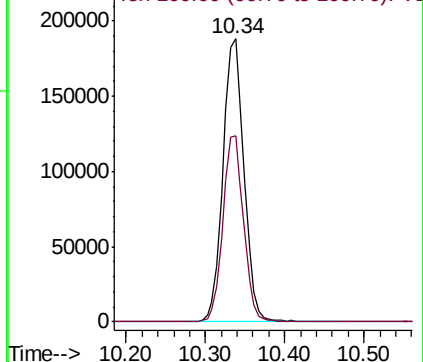
98 100

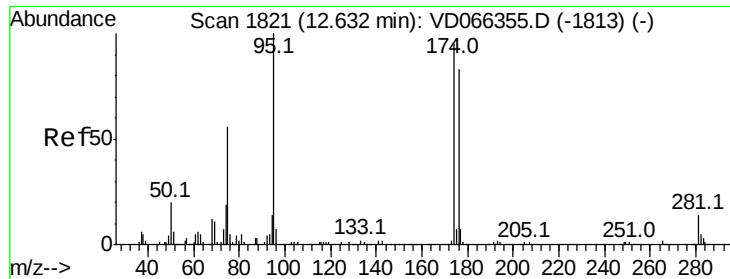
100 64.4 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

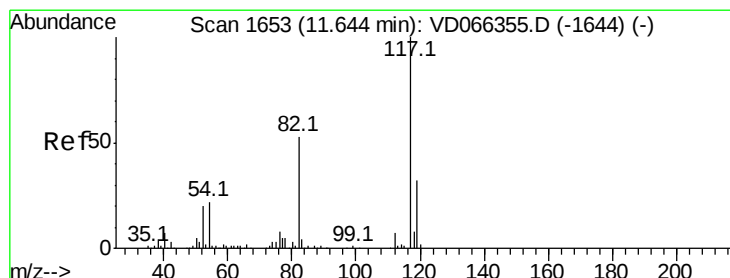
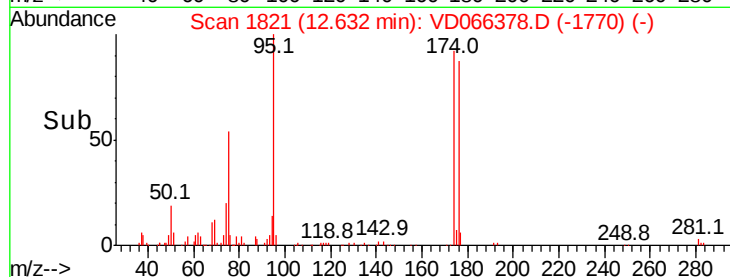
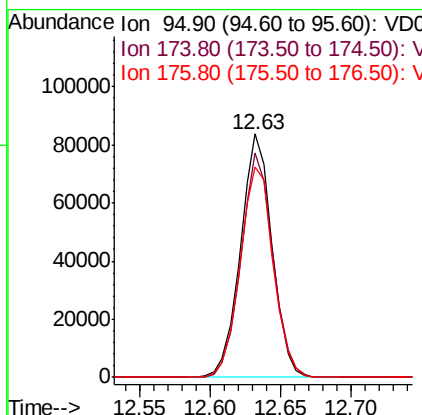
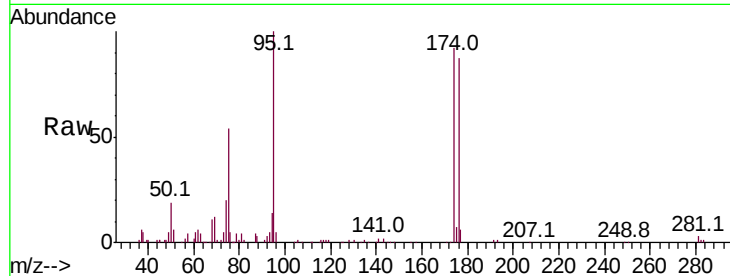




#62
4-Bromofluorobenzene
Concen: 54.380 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066378.D
Acq: 24 Aug 2020 13:52

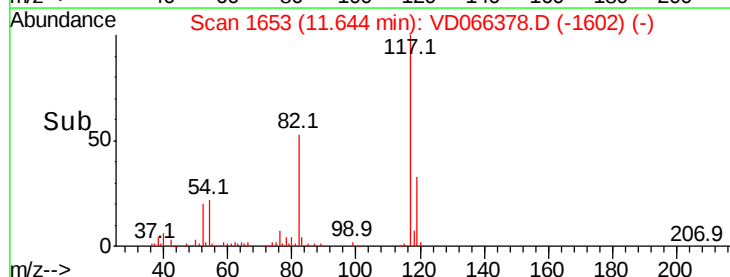
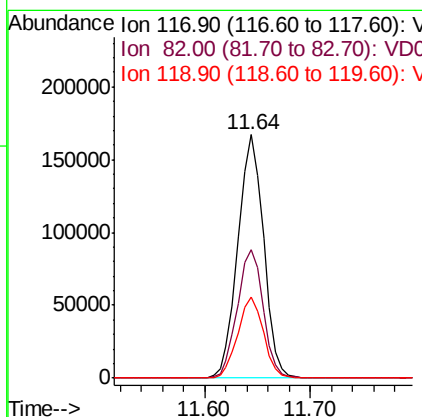
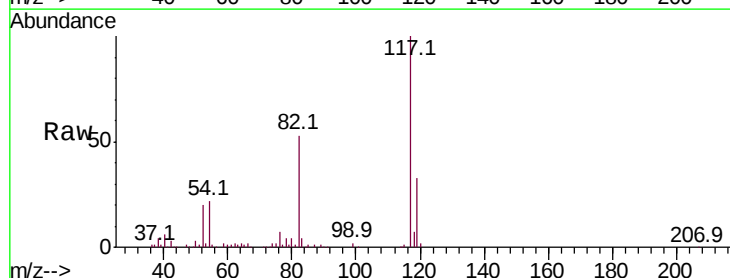
Instrument :
MSVOA_D
ClientSampleId :
EROC-BF-1E

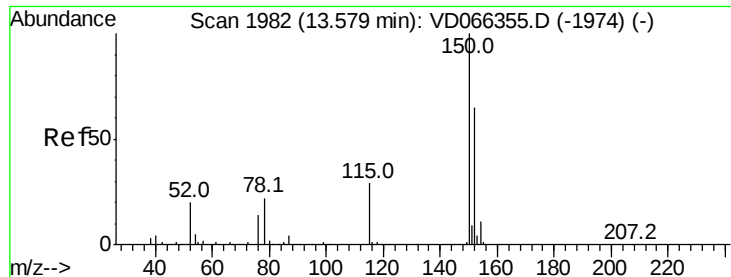
Tot Ion: 95 Resp: 130561
Ion Ratio Lower Upper
95 100
174 93.0 0.0 183.4
176 90.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066378.D
Acq: 24 Aug 2020 13:52

Tgt Ion: 117 Resp: 281329
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 33.2 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: VD066378.D

Acq: 24 Aug 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1E

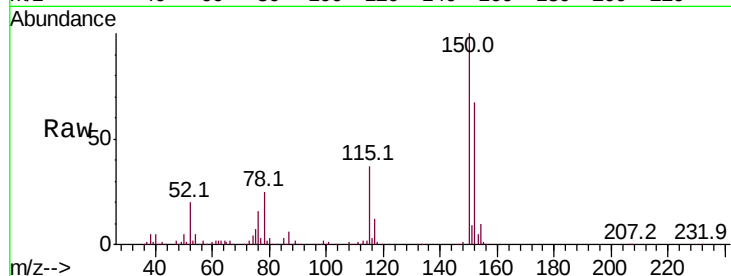
Tot Ion:152 Resp: 142950

Ion Ratio Lower Upper

152 100

115 58.2 28.3 85.0

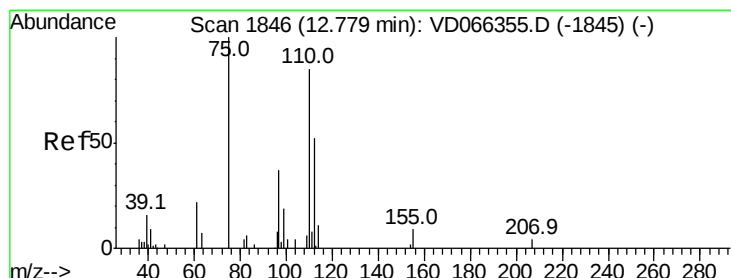
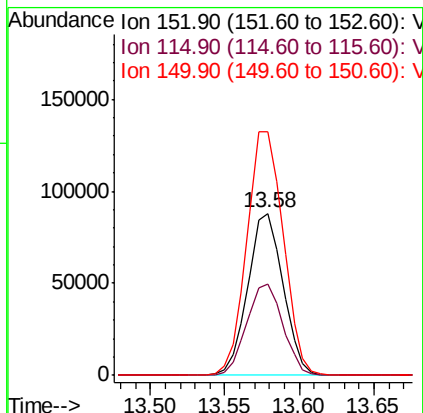
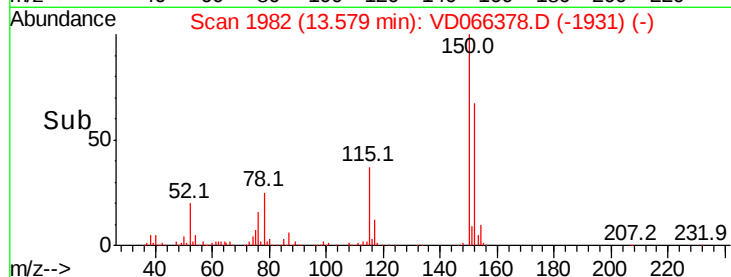
150 156.5 0.0 343.2



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: 72.810 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066378.D

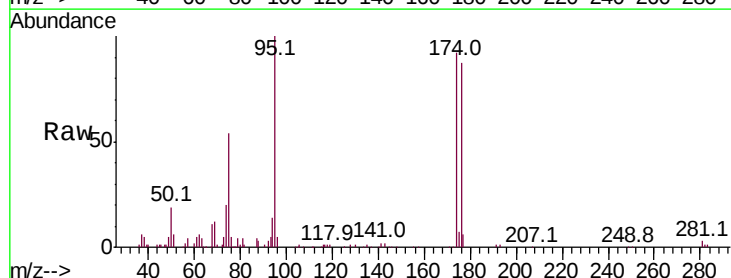
Acq: 24 Aug 2020 13:52

Tgt Ion: 75 Resp: 73222

Ion Ratio Lower Upper

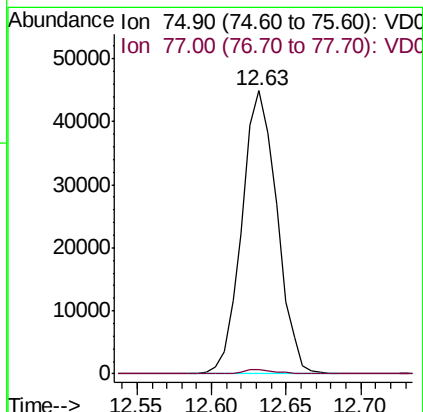
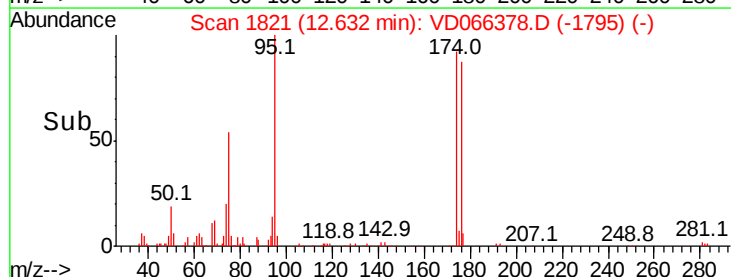
75 100

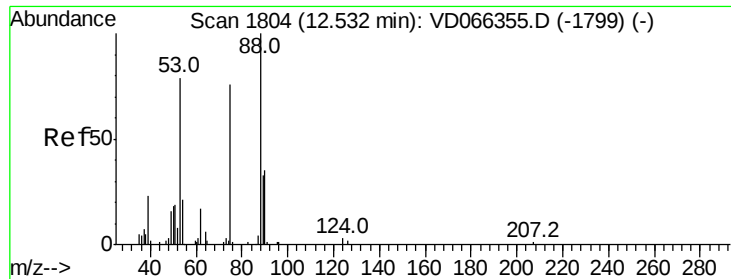
77 1.3 182.9 548.9#



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: 154.552 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066378.D

Acq: 24 Aug 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1E

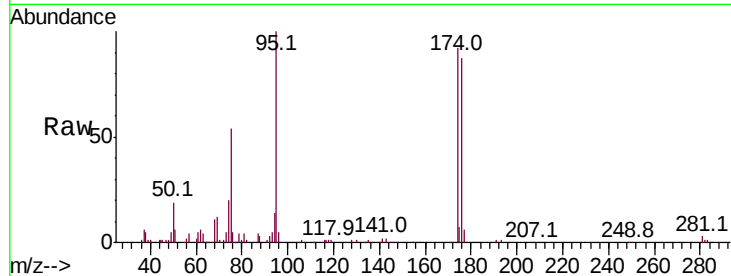
Tot Ion: 75 Resp: 73222

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

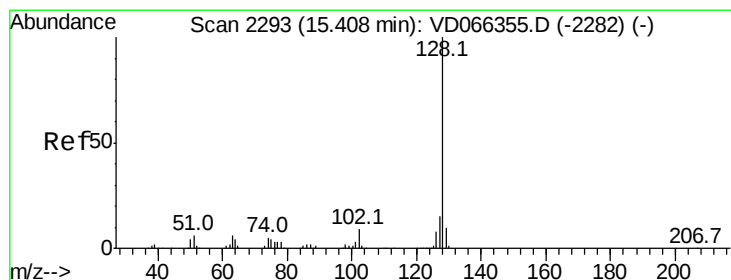
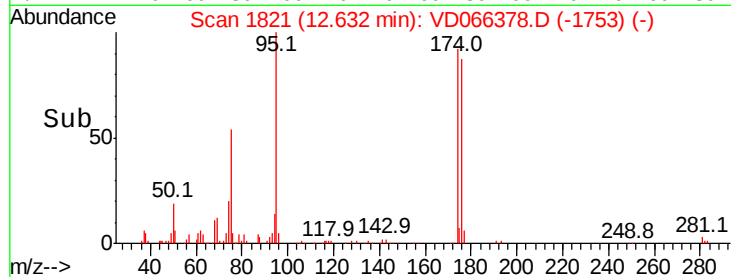
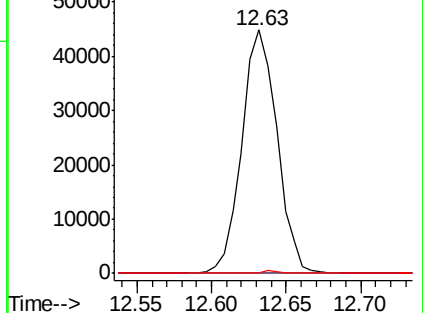
89 0.4 39.4 59.0#



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: 1.185 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066378.D

Acq: 24 Aug 2020 13:52

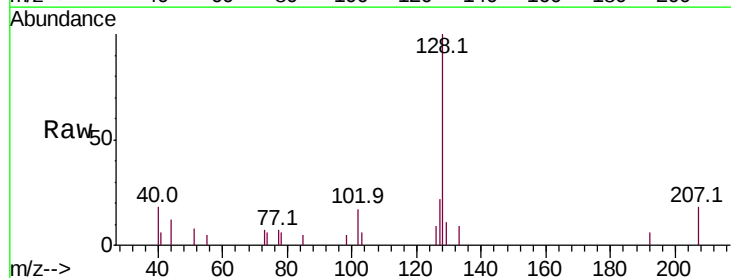
Tgt Ion: 128 Resp: 5676

Ion Ratio Lower Upper

128 100

127 25.7 10.7 16.1#

129 11.7 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

