

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\
 Data File : VD066376.D
 Acq On : 24 Aug 2020 12:56
 Operator : VA/SY
 Sample : L3734-03RE
 Misc : 7.21G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EROC-BF-1BRE

Quant Time: Aug 25 02:41:22 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

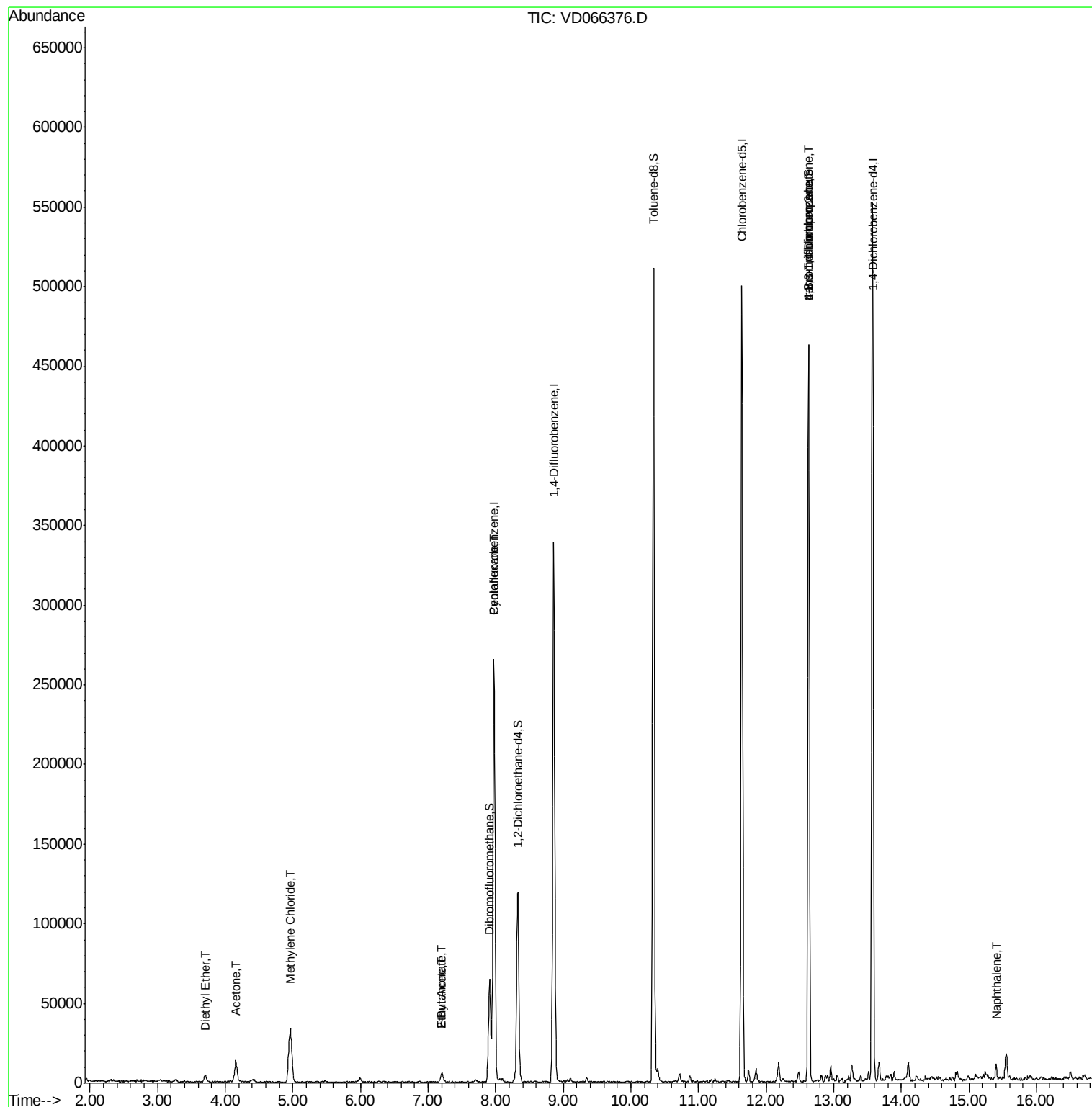
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	197597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	292418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	288663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	150848	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	107786	55.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.28%	
35) Dibromofluoromethane	7.91	113	42980	23.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	47.02%	
50) Toluene-d8	10.34	98	350878	52.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.63	95	132572	55.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.68%	
Target Compounds						
8) Diethyl Ether	3.71	74	1819	2.335	ug/l #	53
11) Tert butyl alcohol	5.22	59	373	Below Cal	#	71
16) Acetone	4.15	43	23014	65.895	ug/l	97
20) Methylene Chloride	4.96	84	28285	10.103	ug/l #	88
25) 2-Butanone	7.21	43	4116	10.381	ug/l #	83
31) Cyclohexane	7.97	56	5008	1.862	ug/l #	53
37) Ethyl Acetate	7.21	43	4116	4.536	ug/l #	74
76) 1,2,3-Trichloropropane	12.63	75	74978	70.652	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	74978	149.972	ug/l #	6
95) Naphthalene	15.41	128	7749	1.533	ug/l #	93

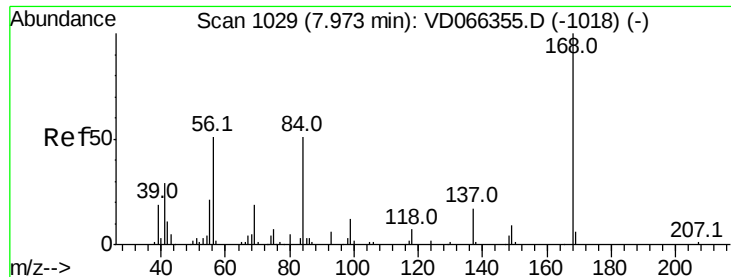
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066376.D

Acq: 24 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

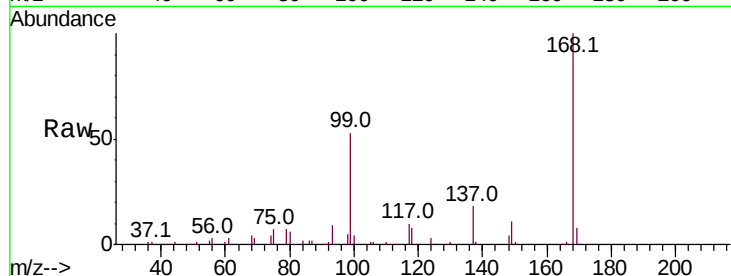
EROC-BF-1BRE

Tot Ion:168 Resp: 197597

Ion Ratio Lower Upper

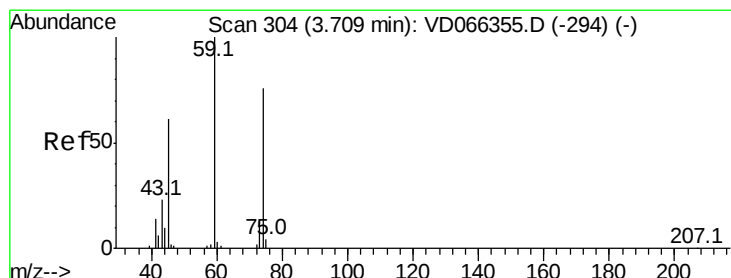
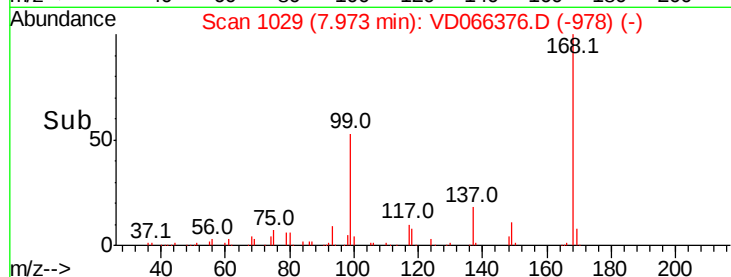
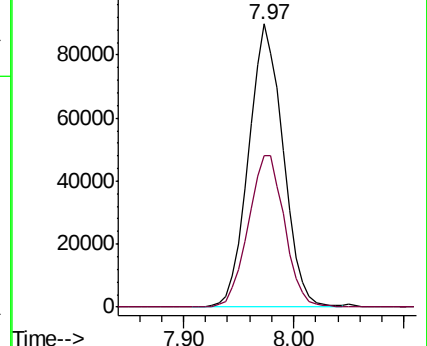
168 100

99 53.5 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: 2.335 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD066376.D

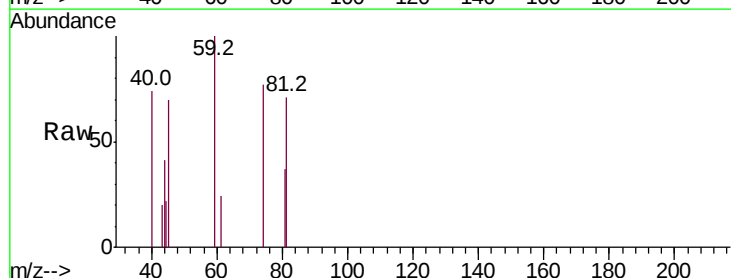
Acq: 24 Aug 2020 12:56

Tgt Ion: 74 Resp: 1819

Ion Ratio Lower Upper

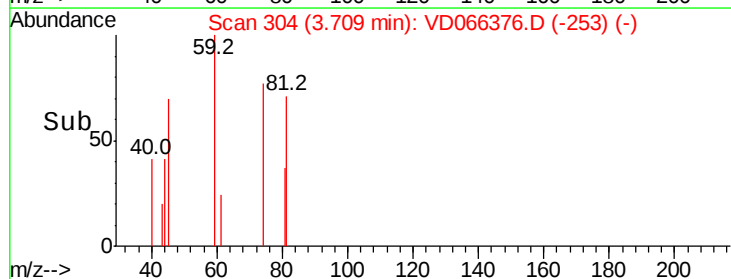
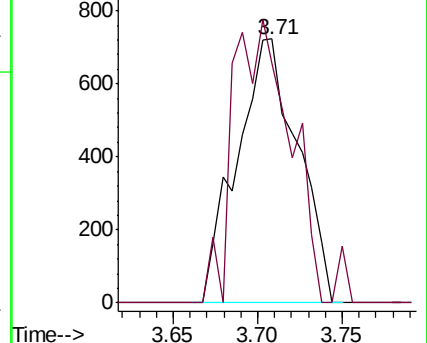
74 100

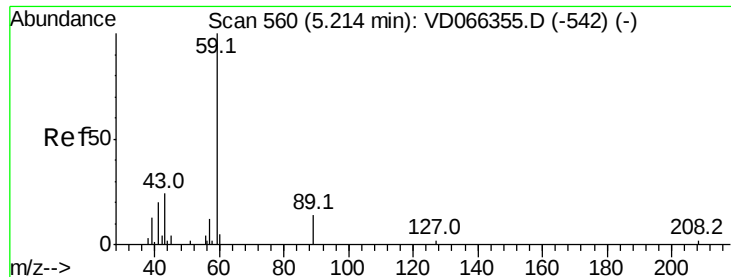
45 42.3 42.8 128.3#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

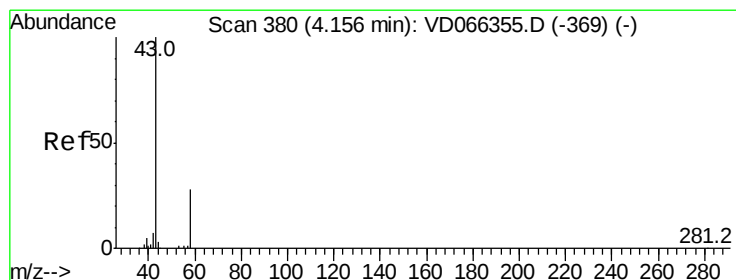
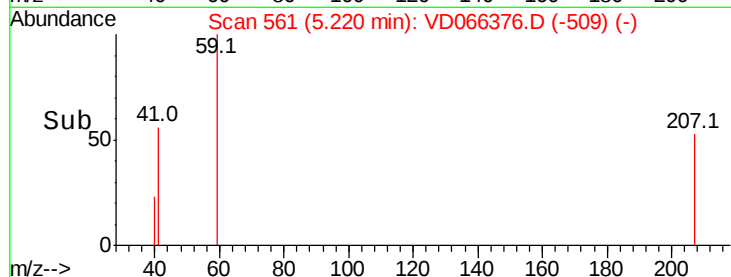
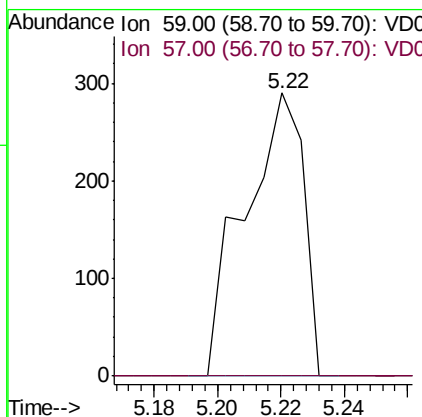
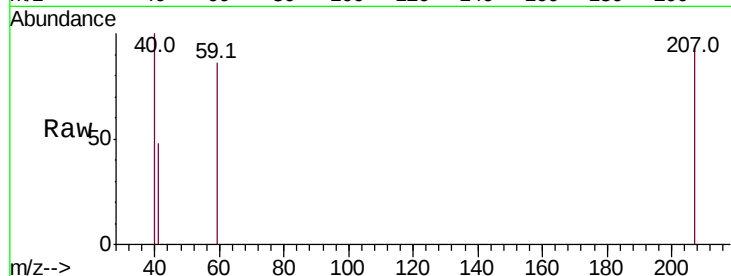




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD066376.D
Acq: 24 Aug 2020 12:56

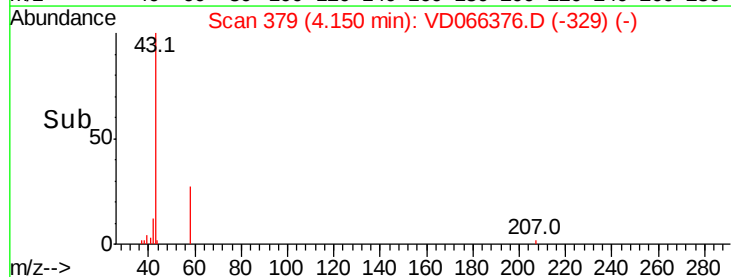
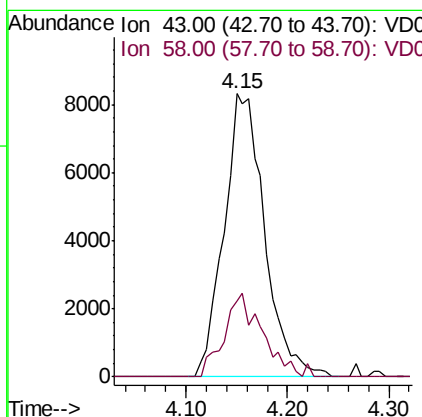
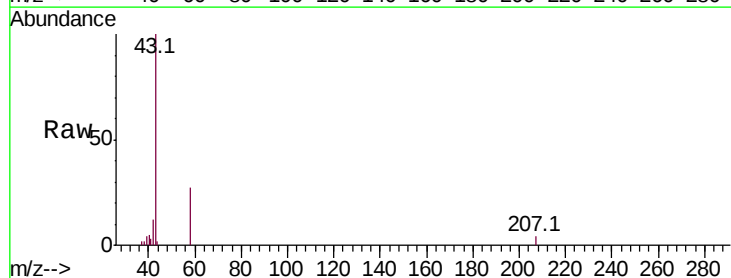
Instrument :
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EROC-BF-1BRE

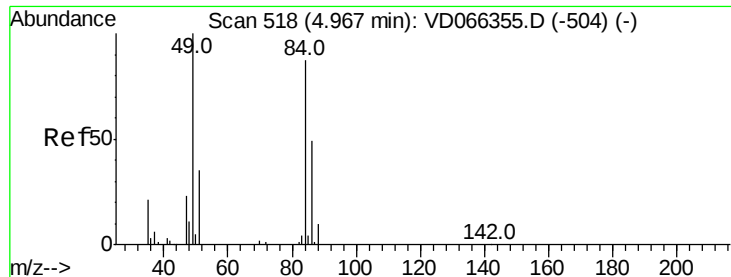
Tot Ion: 59 Resp: 373
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 65.895 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD066376.D
Acq: 24 Aug 2020 12:56

Tgt Ion: 43 Resp: 23014
Ion Ratio Lower Upper
43 100
58 26.9 22.7 34.1





#20

Methylene Chloride

Concen: 10.103 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066376.D

Acq: 24 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1BRE

Tot Ion: 84 Resp: 28285

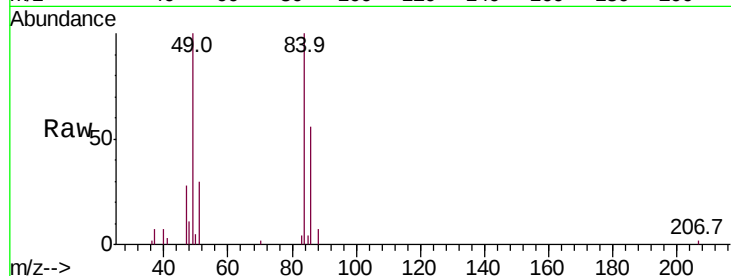
Ion Ratio Lower Upper

84 100

49 99.5 92.5 138.7

51 29.5 32.5 48.7#

86 55.8 45.0 67.6

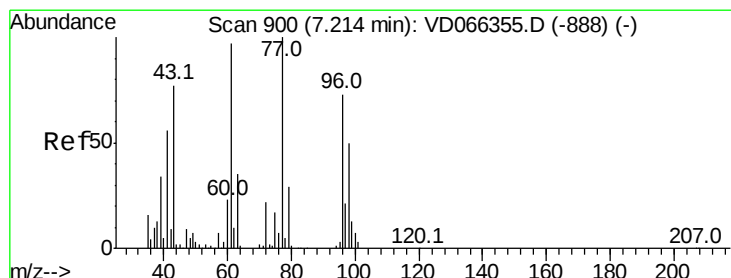
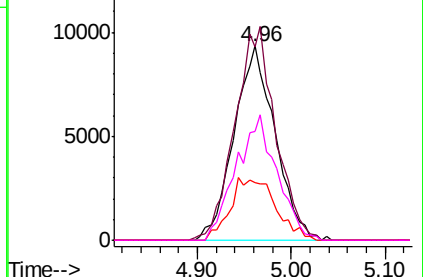
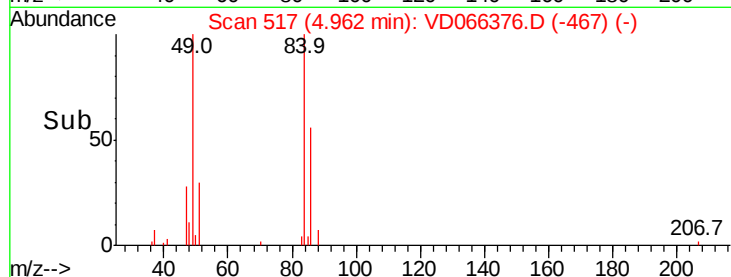


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#25

2-Butanone

Concen: 10.381 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066376.D

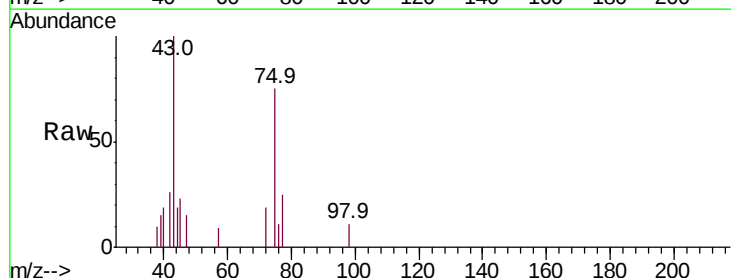
Acq: 24 Aug 2020 12:56

Tgt Ion: 43 Resp: 4116

Ion Ratio Lower Upper

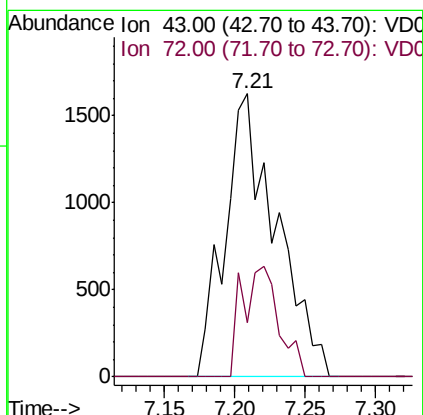
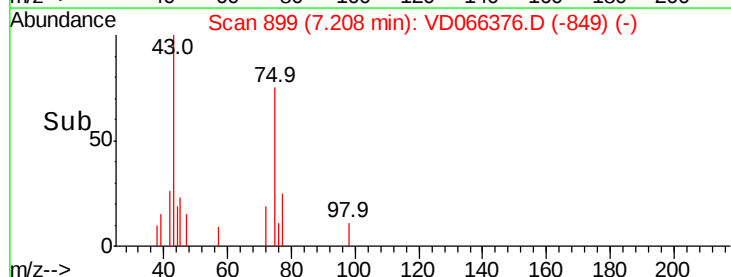
43 100

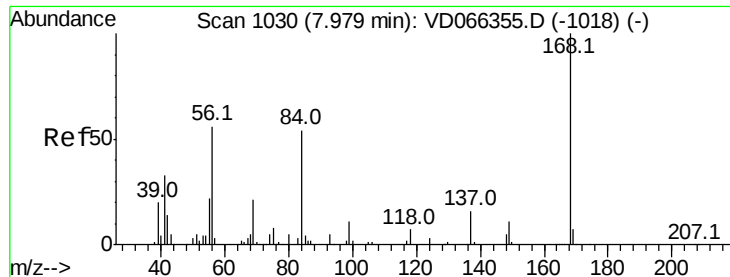
72 19.2 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

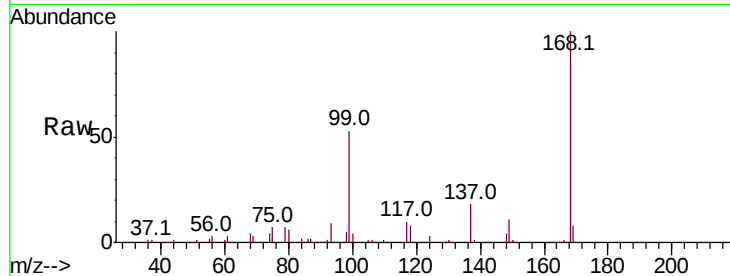




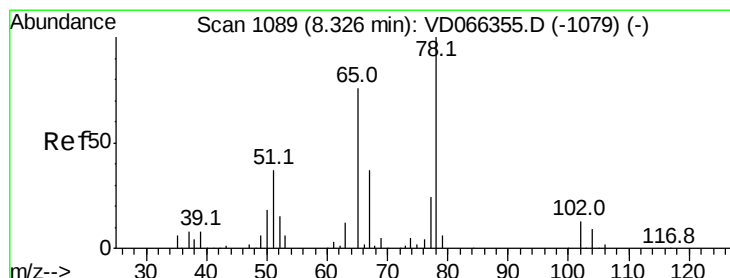
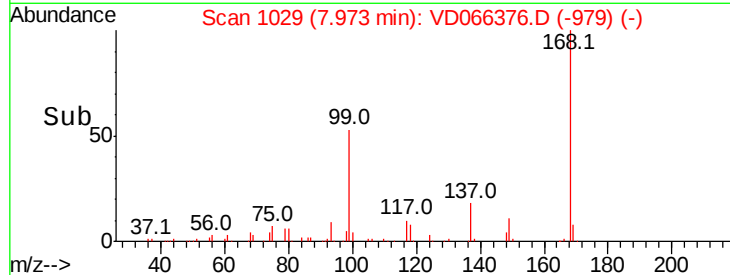
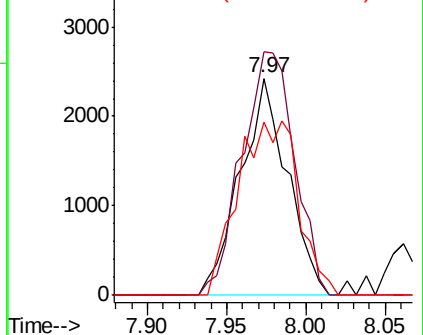
#31
Cyclohexane
Concen: 1.862 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066376.D
Acq: 24 Aug 2020 12:56

Instrument :
MSVOA_D
ClientSampleId :
EROC-BF-1BRE

Tot Ion: 56 Resp: 5008
Ion Ratio Lower Upper
56 100
69 112.0 29.6 44.4#
84 79.6 76.6 115.0

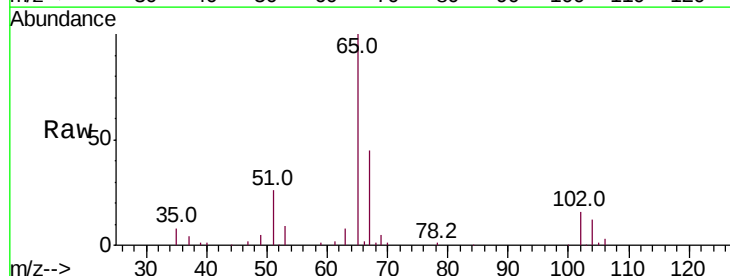


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

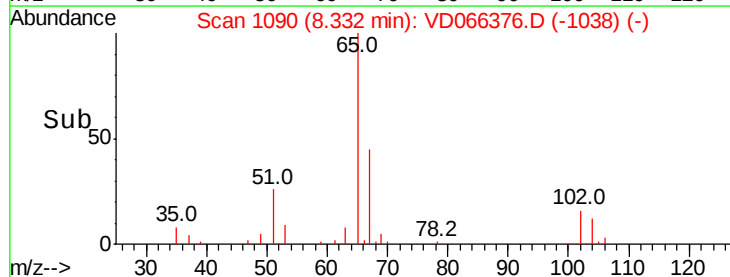
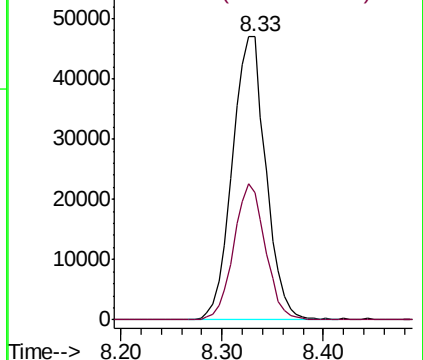


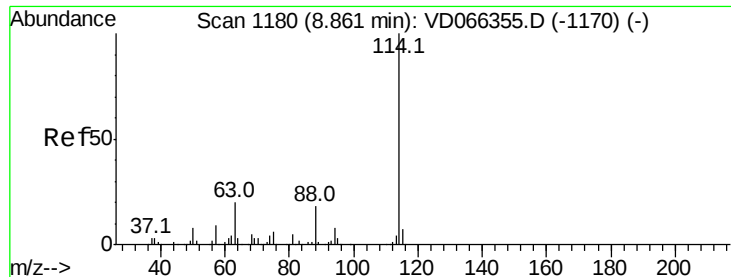
#33
1,2-Dichloroethane-d4
Concen: 55.639 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VD066376.D
Acq: 24 Aug 2020 12:56

Tgt Ion: 65 Resp: 107786
Ion Ratio Lower Upper
65 100
67 45.1 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

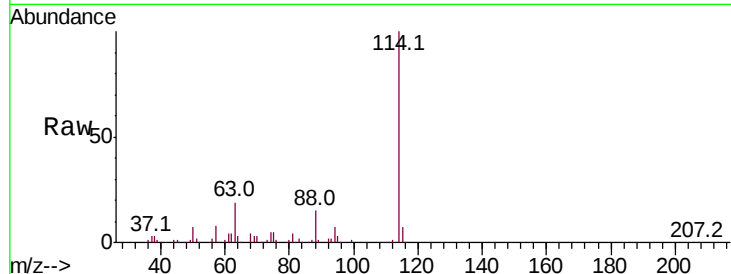




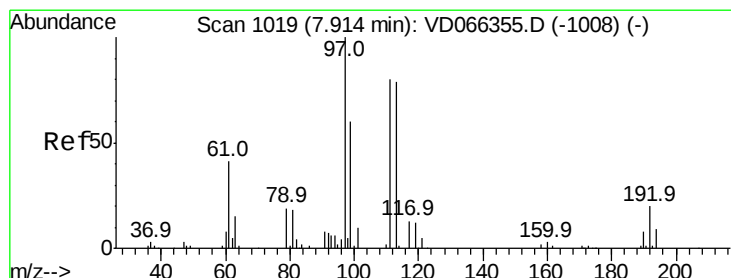
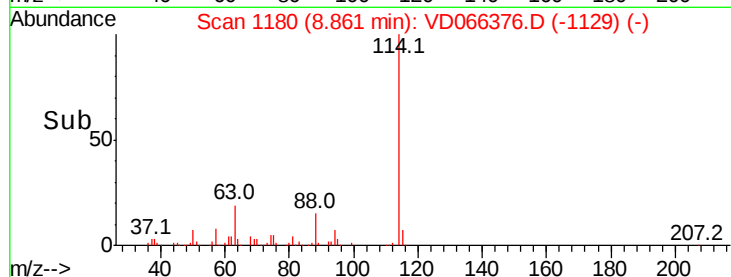
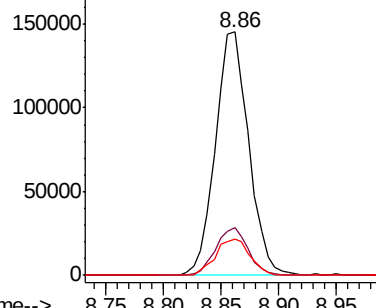
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066376.D
 Acq: 24 Aug 2020 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 EROC-BF-1BRE

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.8
88	14.9	0.0	35.4

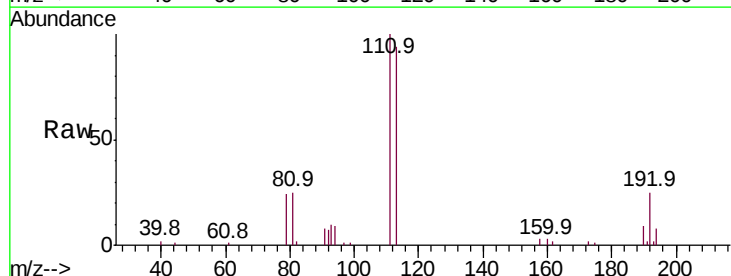


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

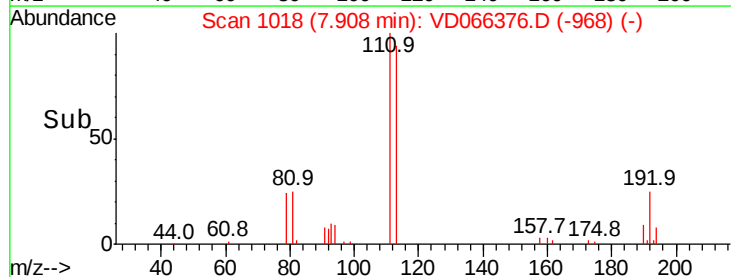
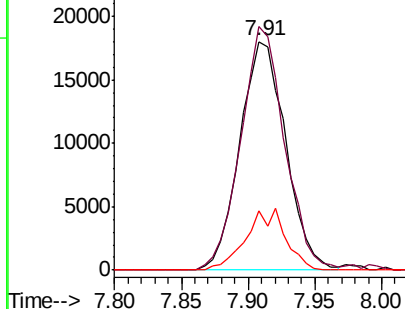


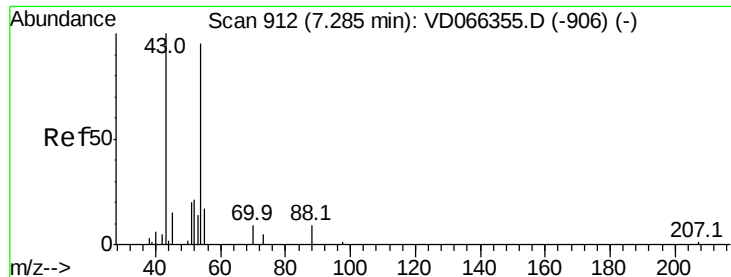
#35
 Dibromofluoromethane
 Concen: 23.505 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066376.D
 Acq: 24 Aug 2020 12:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.3	120.5
192	23.2	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

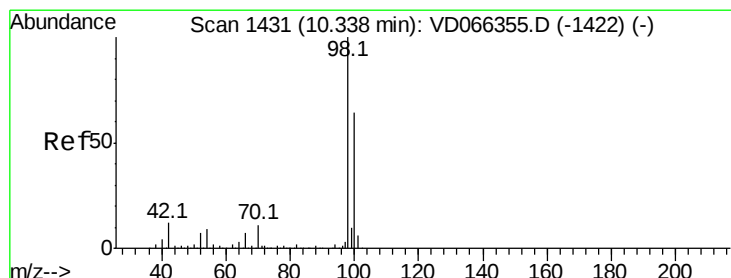
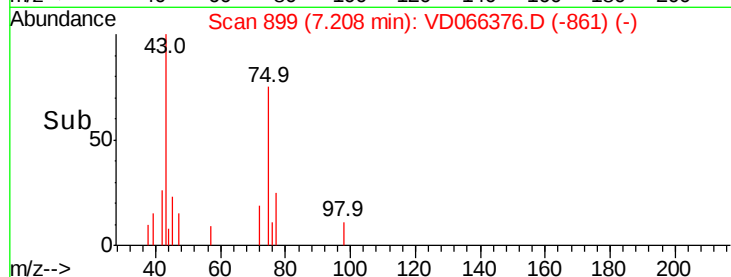
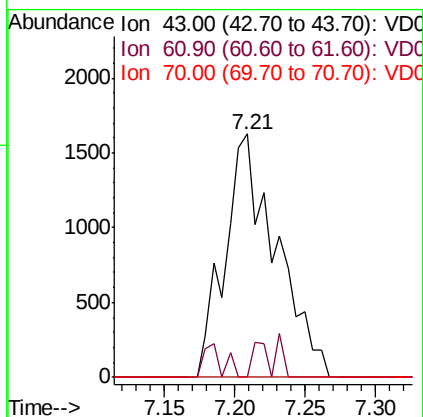
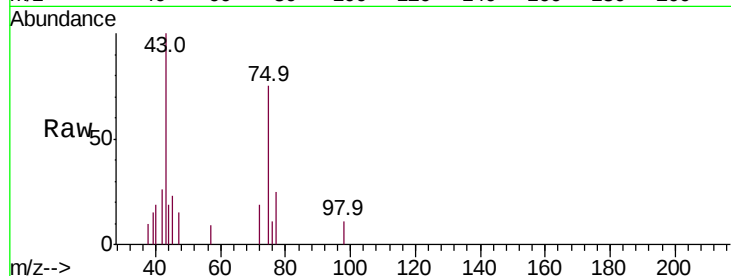




#37
Ethyl Acetate
Concen: 4.536 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.08 min
Lab File: VD066376.D
Acq: 24 Aug 2020 12:56

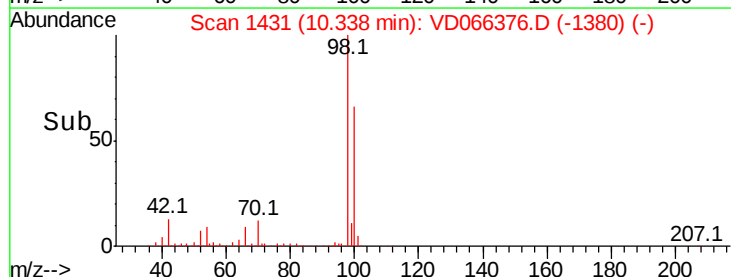
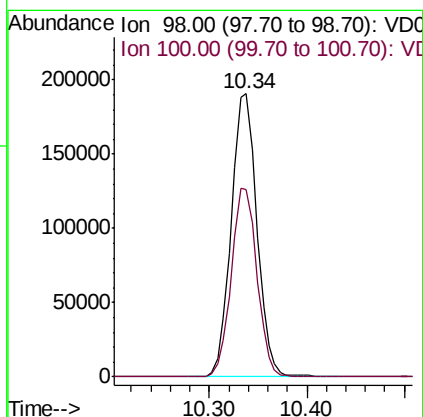
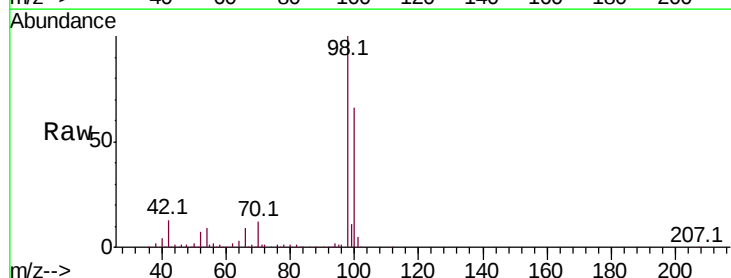
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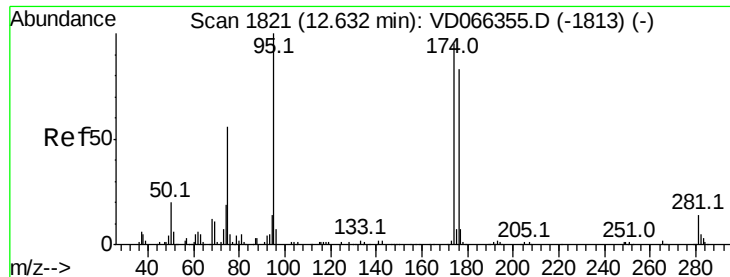
Tot Ion: 43 Resp: 4116
Ion Ratio Lower Upper
43 100
61 3.9 13.3 19.9#
70 0.0 3.5 5.3#



#50
Toluene-d8
Concen: 52.446 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066376.D
Acq: 24 Aug 2020 12:56

Tgt Ion: 98 Resp: 350878
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4

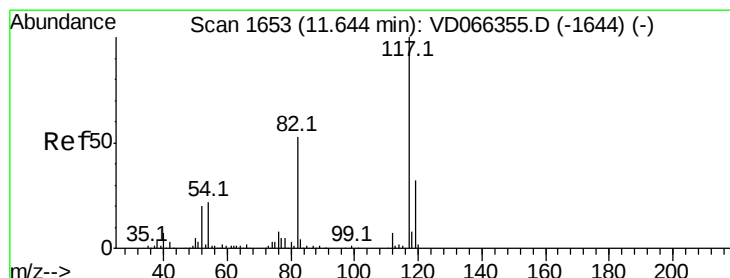
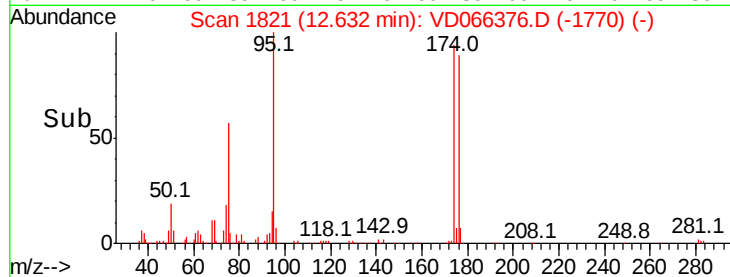
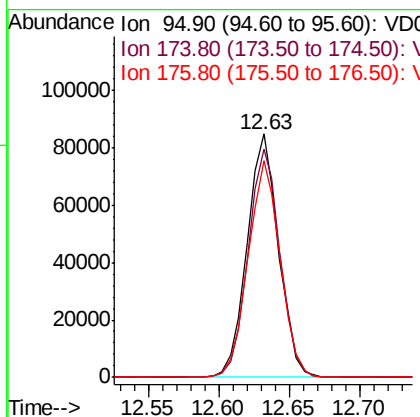
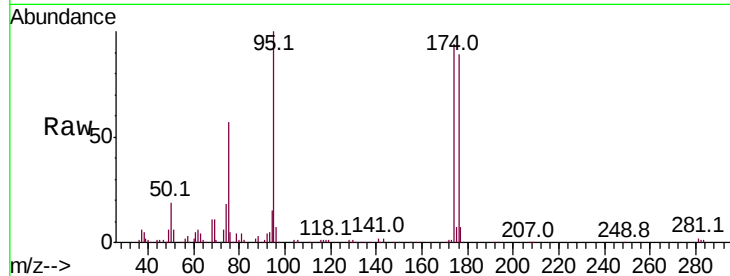




#62
4-Bromofluorobenzene
Concen: 55.843 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066376.D
Acq: 24 Aug 2020 12:56

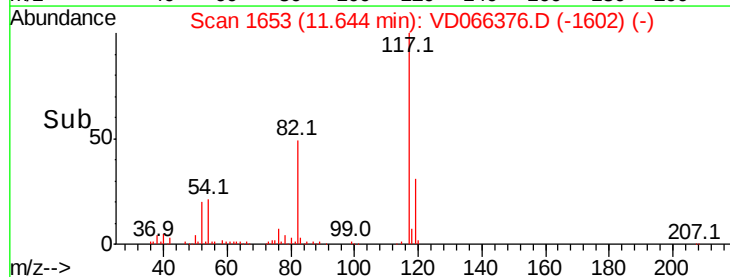
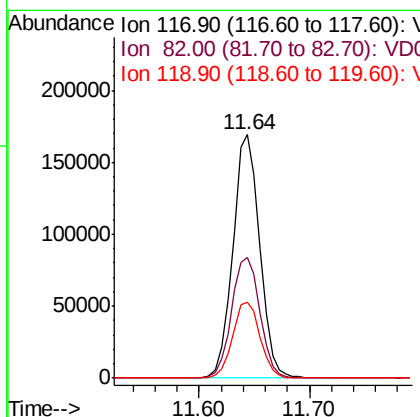
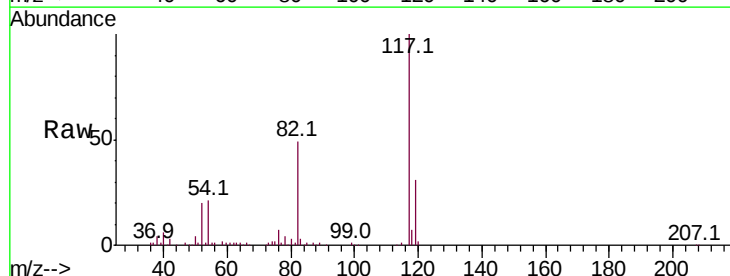
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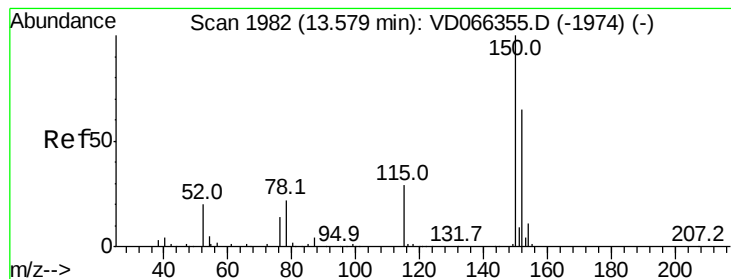
Tot Ion: 95 Resp: 132572
Ion Ratio Lower Upper
95 100
174 95.3 0.0 183.4
176 90.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066376.D
Acq: 24 Aug 2020 12:56

Tgt Ion: 117 Resp: 288663
Ion Ratio Lower Upper
117 100
82 49.4 42.8 64.2
119 31.1 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: VD066376.D

Acq: 24 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1BRE

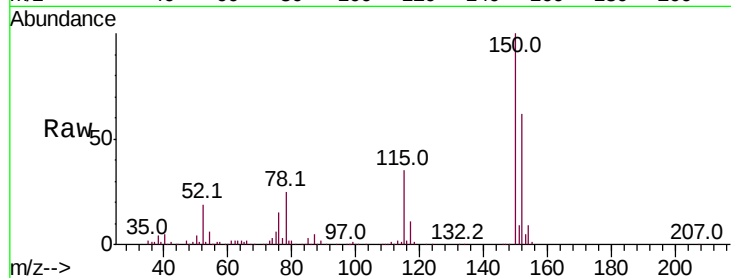
Tot Ion:152 Resp: 150848

Ion Ratio Lower Upper

152 100

115 58.0 28.3 85.0

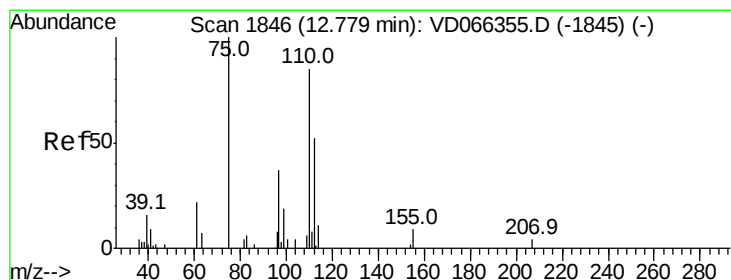
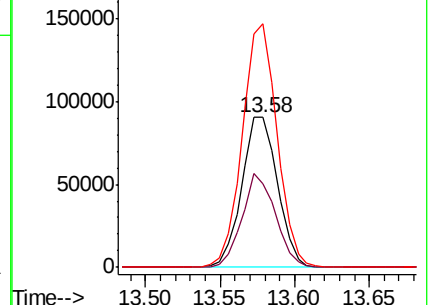
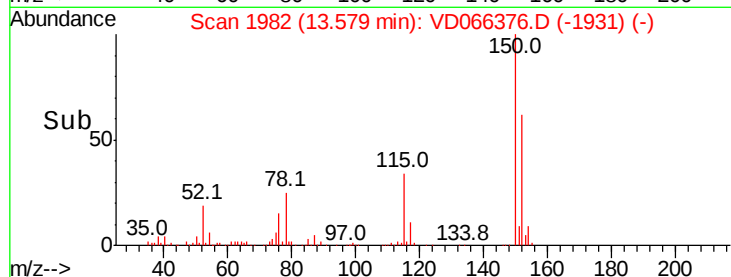
150 157.1 0.0 343.2



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: 70.652 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066376.D

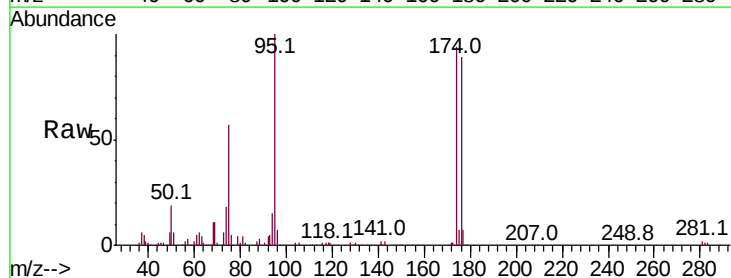
Acq: 24 Aug 2020 12:56

Tgt Ion: 75 Resp: 74978

Ion Ratio Lower Upper

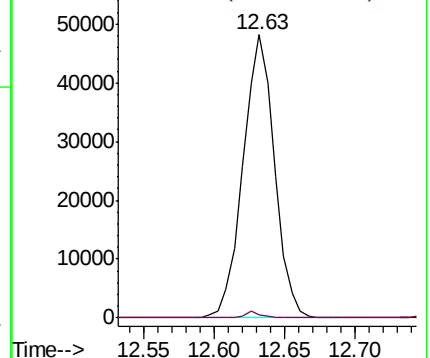
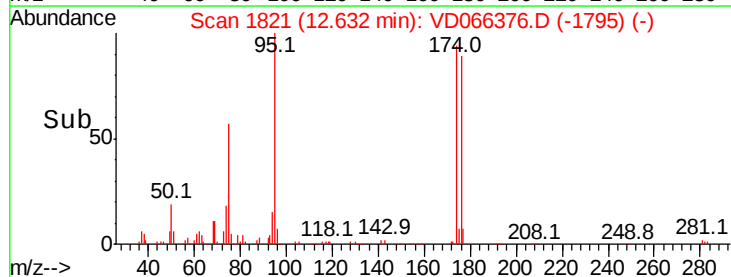
75 100

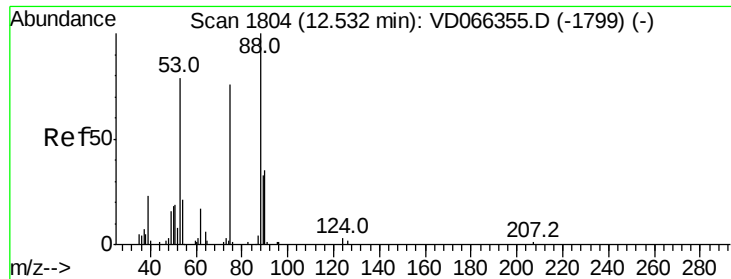
77 1.3 182.9 548.9#



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: 149.972 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066376.D

Acq: 24 Aug 2020 12:56

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1BRE

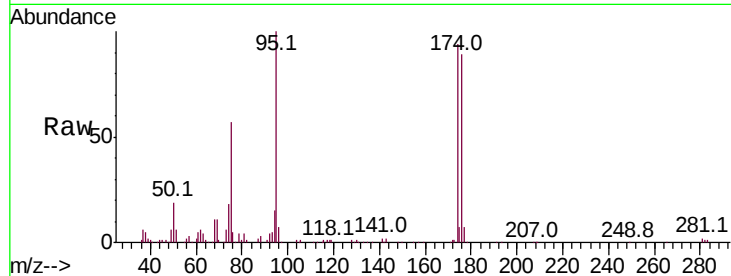
Tot Ion: 75 Resp: 74978

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

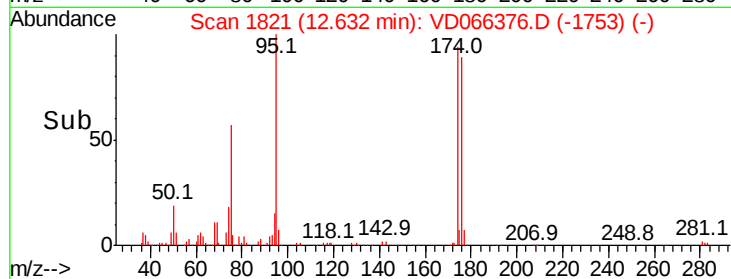
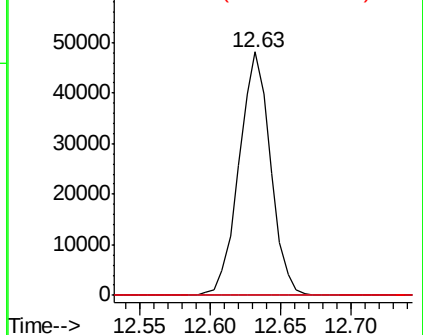
89 0.0 39.4 59.0#



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: 1.533 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066376.D

Acq: 24 Aug 2020 12:56

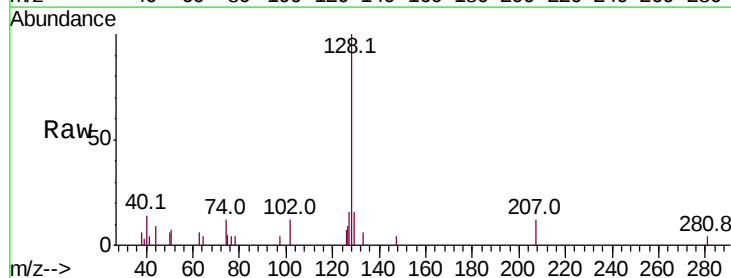
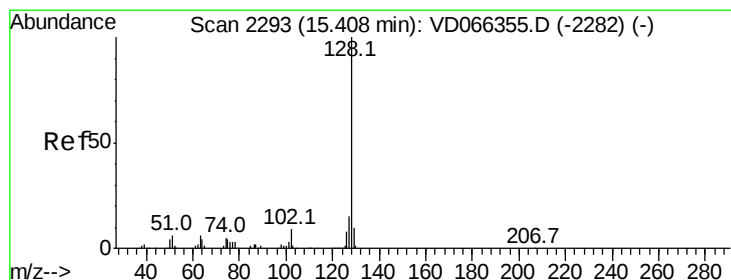
Tgt Ion: 128 Resp: 7749

Ion Ratio Lower Upper

128 100

127 18.4 10.7 16.1#

129 10.5 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

