

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066369.D
 Acq On : 21 Aug 2020 19:41
 Operator : VA/SY
 Sample : L3734-02RE
 Misc : 6.74G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EROC-BF-1A

Quant Time: Aug 22 02:24:08 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	198304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	305246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	312703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	163179	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	106861	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	
35) Dibromofluoromethane	7.91	113	52078	27.28	ug/l	0.00
Spiked Amount			Recovery	=	54.56%	
50) Toluene-d8	10.34	98	363818	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.63	95	145064	58.54	ug/l	0.00
Spiked Amount			Recovery	=	117.08%	

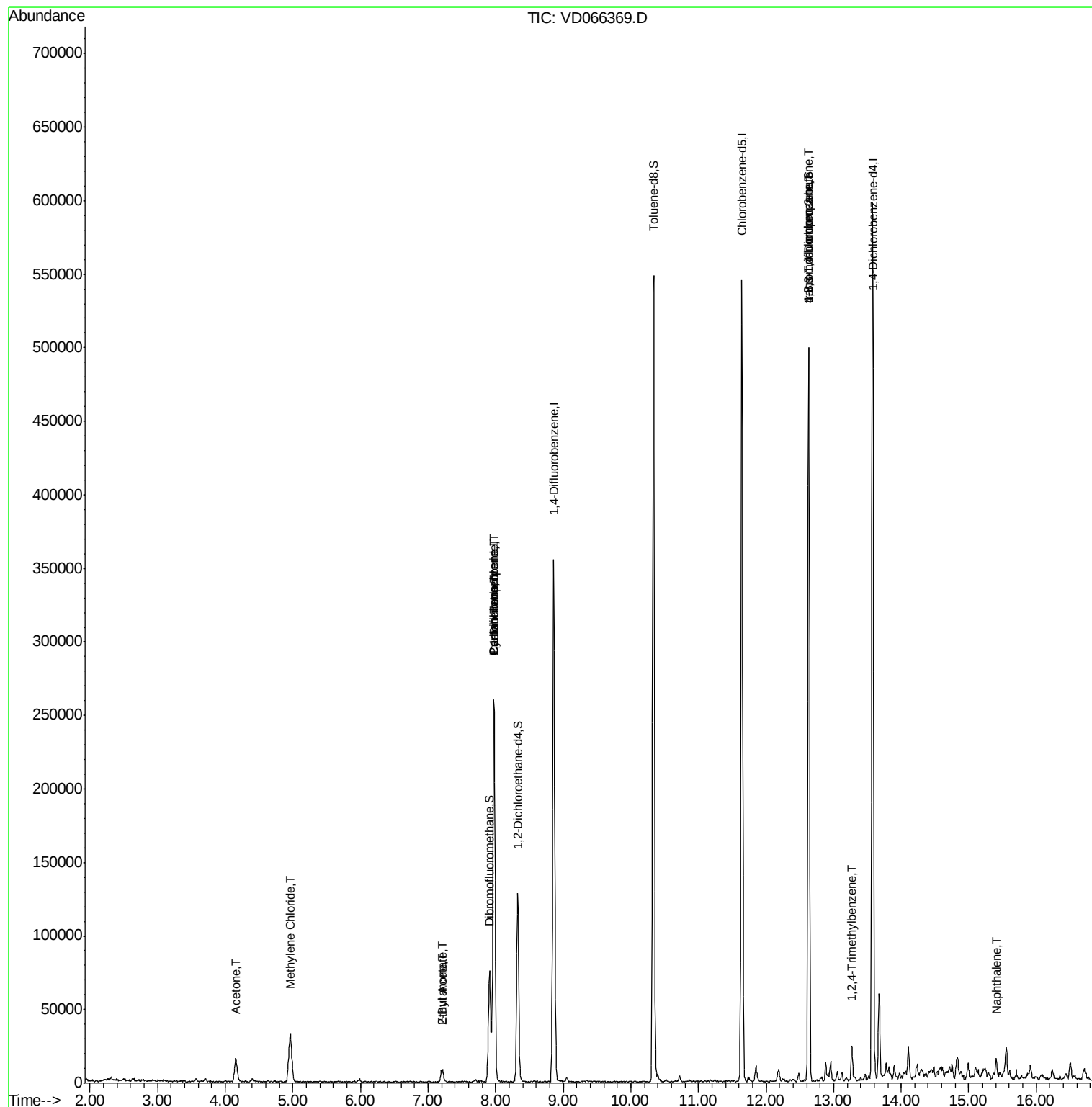
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	86	Below Cal	#	71
16) Acetone	4.16	43	28332	80.833	ug/l	98
20) Methylene Chloride	4.96	84	25275	8.201	ug/l #	92
25) 2-Butanone	7.21	43	11317	28.441	ug/l	90
31) Cyclohexane	7.98	56	4364	1.617	ug/l #	45
36) 1,1-Dichloropropene	7.97	75	14150	5.080	ug/l #	52
37) Ethyl Acetate	7.21	43	11317	11.947	ug/l #	67
38) Carbon Tetrachloride	7.98	117	20004	5.513	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	80307	69.956	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	80307	148.493	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.27	105	12857	1.387	ug/l	97
95) Naphthalene	15.41	128	10775	1.971	ug/l #	95

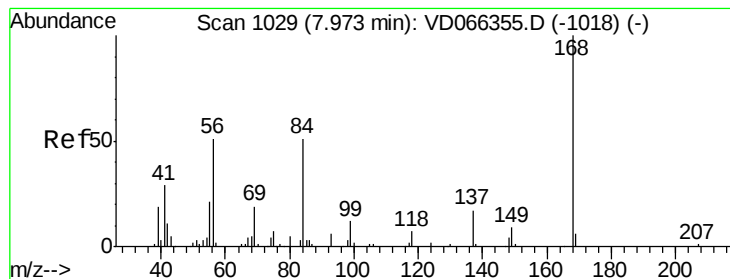
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066369.D

Acq: 21 Aug 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

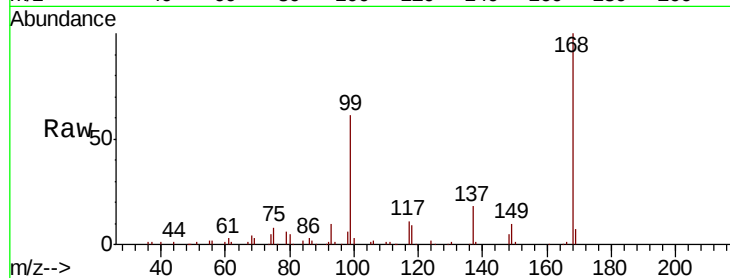
EROC-BF-1A

Tot Ion:168 Resp: 198304

Ion Ratio Lower Upper

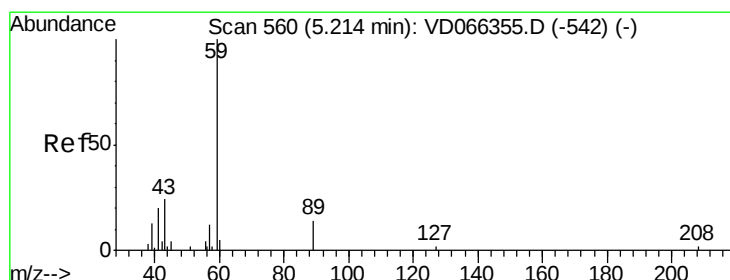
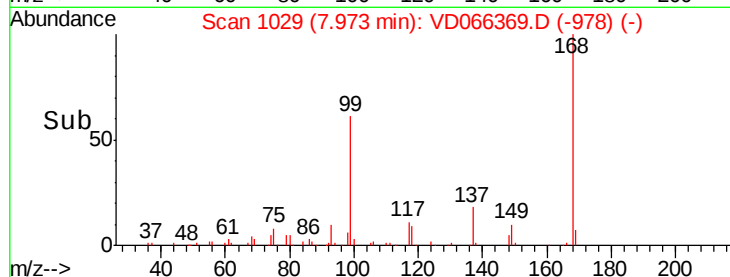
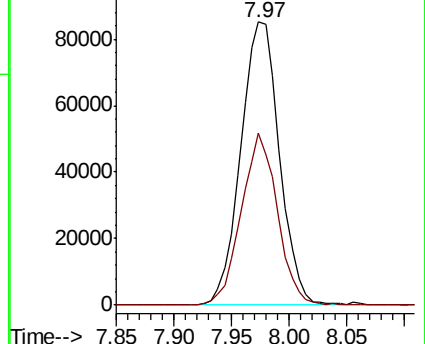
168 100

99 61.0 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.02 min

Lab File: VD066369.D

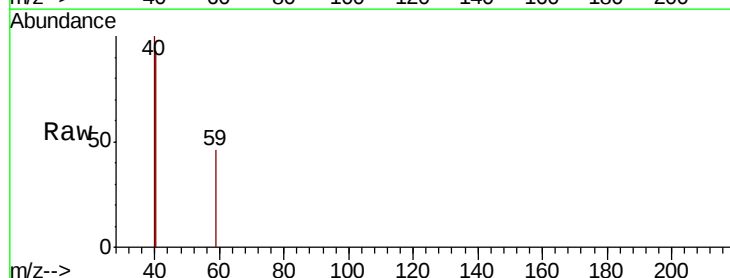
Acq: 21 Aug 2020 19:41

Tgt Ion: 59 Resp: 86

Ion Ratio Lower Upper

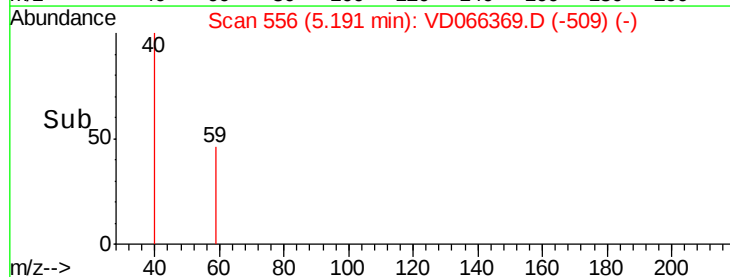
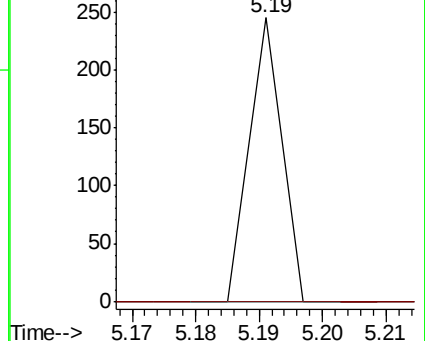
59 100

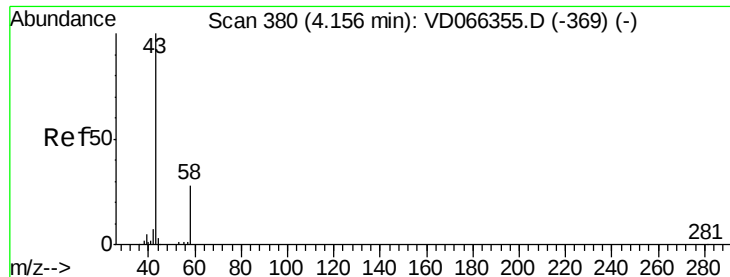
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 80.833 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066369.D

Acq: 21 Aug 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

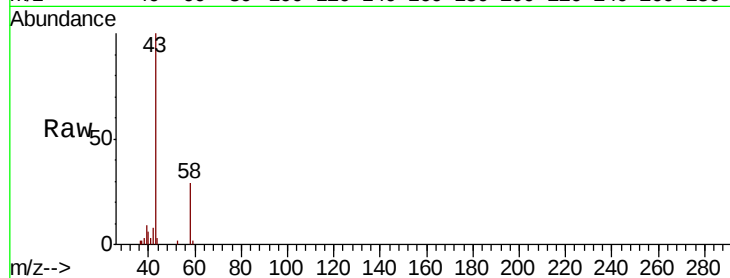
EROC-BF-1A

Tot Ion: 43 Resp: 28332

Ion Ratio Lower Upper

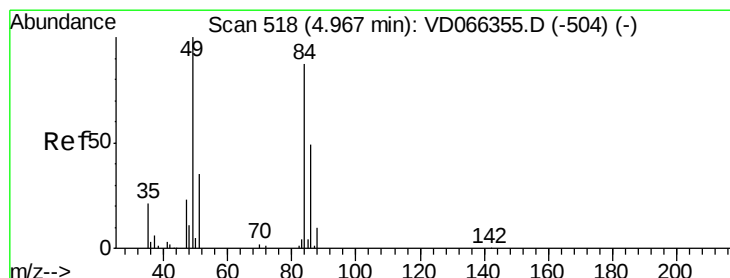
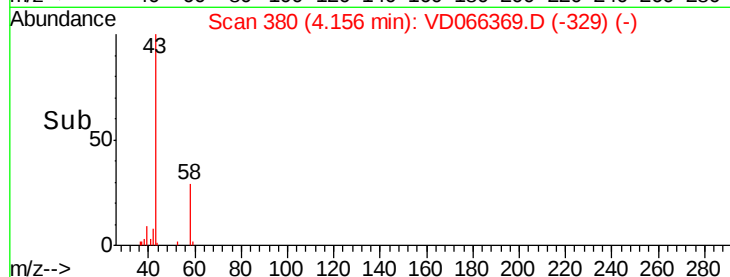
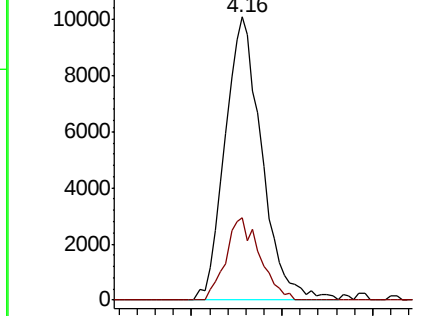
43 100

58 29.2 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 8.201 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066369.D

Acq: 21 Aug 2020 19:41

Tgt Ion: 84 Resp: 25275

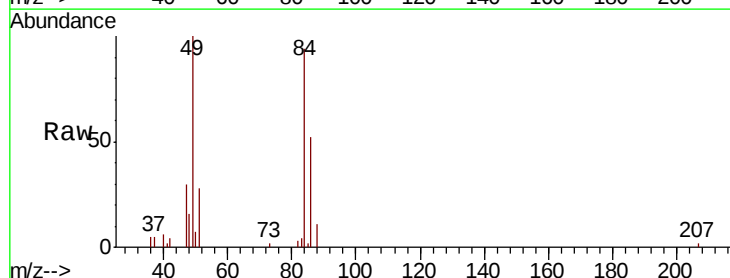
Ion Ratio Lower Upper

84 100

49 106.1 92.5 138.7

51 29.4 32.5 48.7#

86 55.4 45.0 67.6

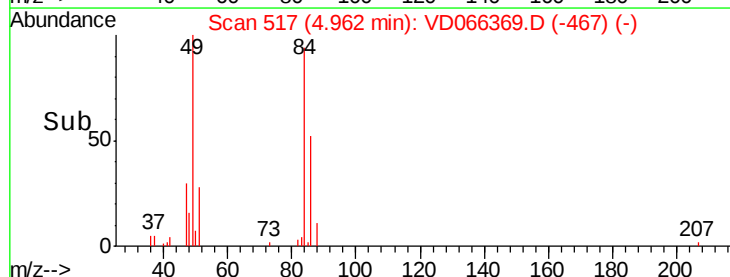
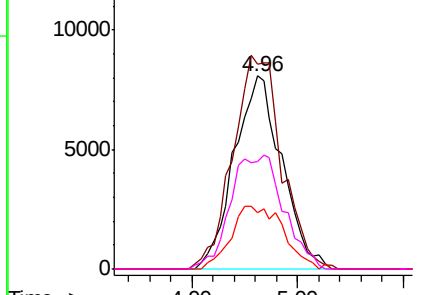


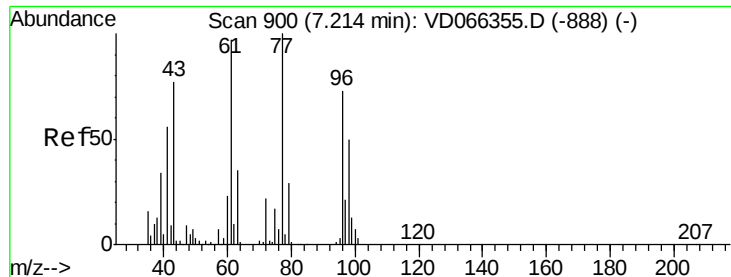
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 28.441 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD066369.D

Acq: 21 Aug 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

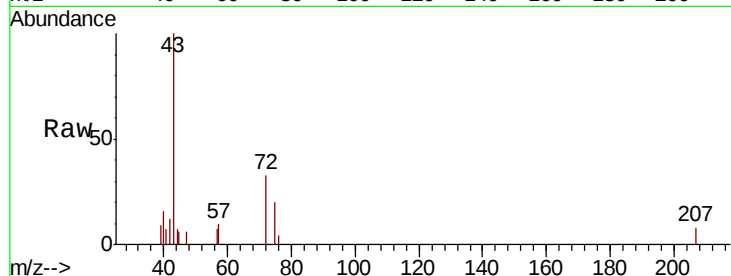
EROC-BF-1A

Tot Ion: 43 Resp: 11317

Ion Ratio Lower Upper

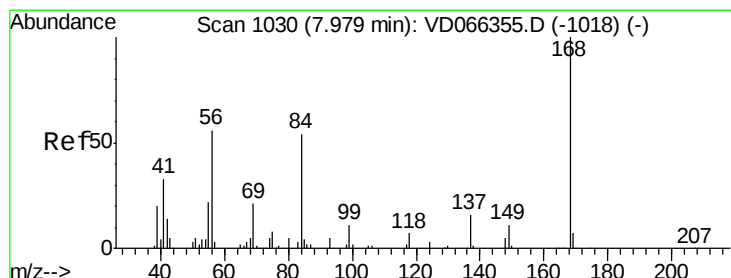
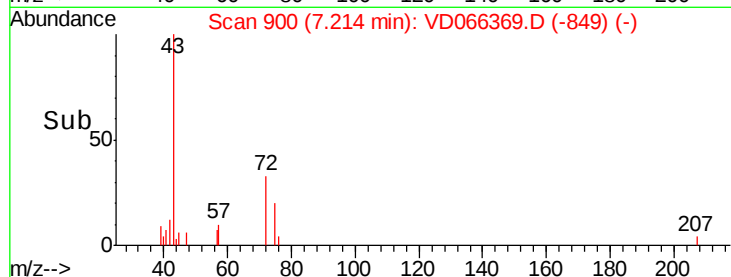
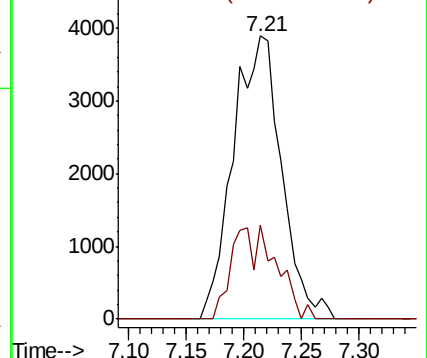
43 100

72 33.3 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: 1.617 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066369.D

Acq: 21 Aug 2020 19:41

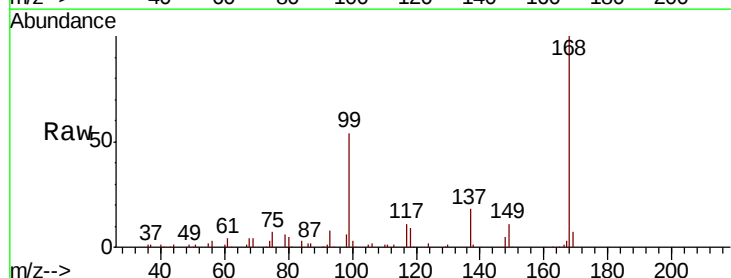
Tgt Ion: 56 Resp: 4364

Ion Ratio Lower Upper

56 100

69 152.0 29.6 44.4#

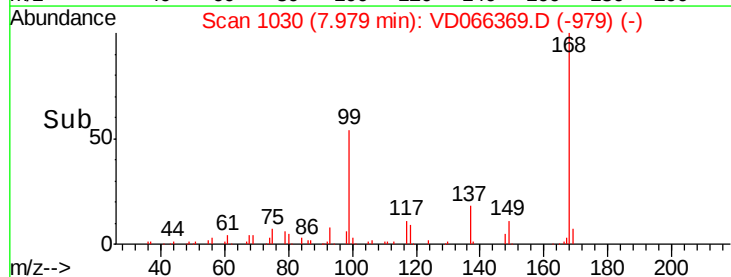
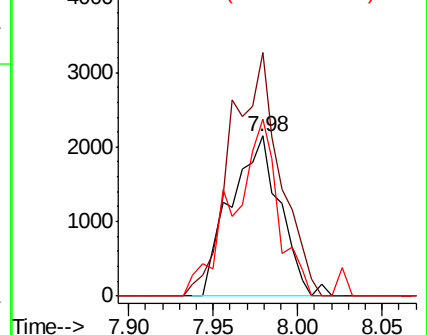
84 96.9 76.6 115.0

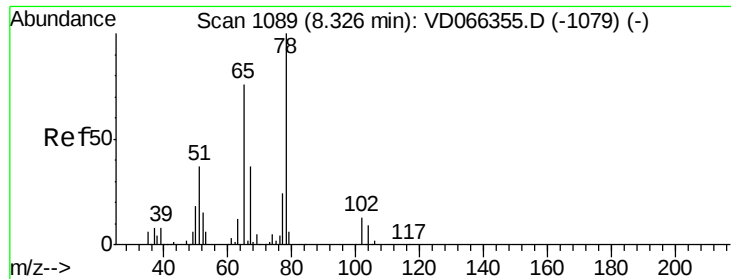


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

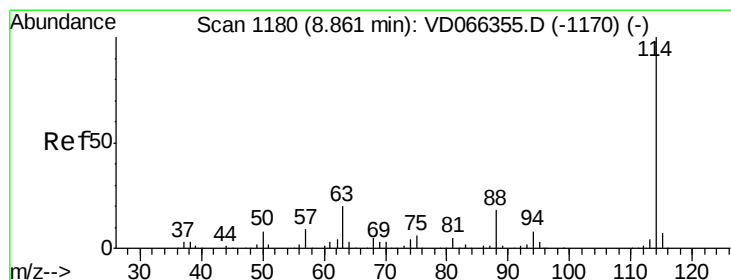
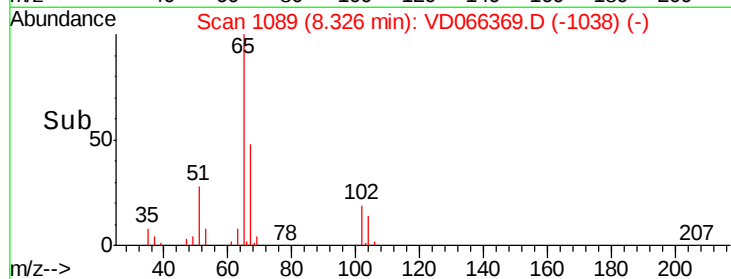
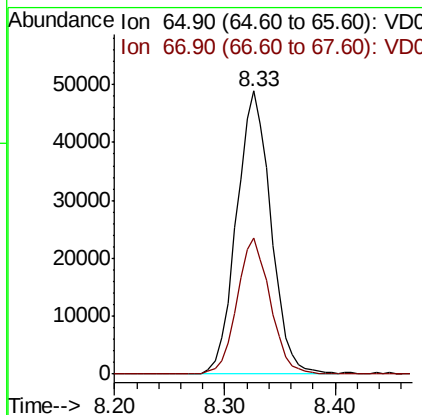
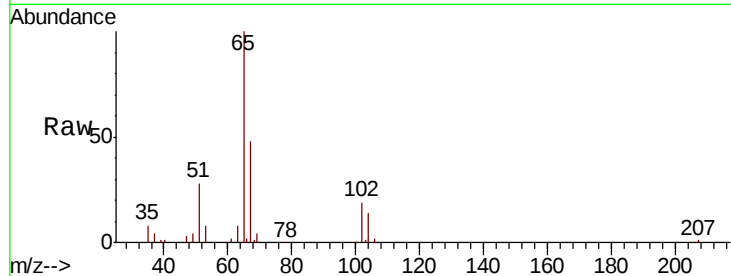




#33
 1,2-Dichloroethane-d4
 Concen: 54.965 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066369.D
 Acq: 21 Aug 2020 19:41

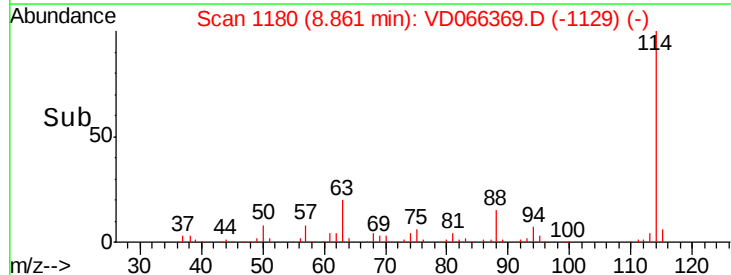
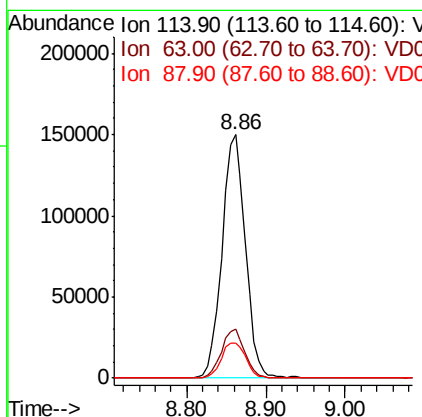
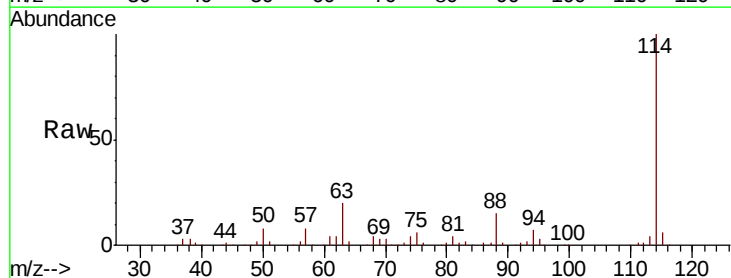
Instrument :
 MSVOA_D
 ClientSampled :
 EROC-BF-1A

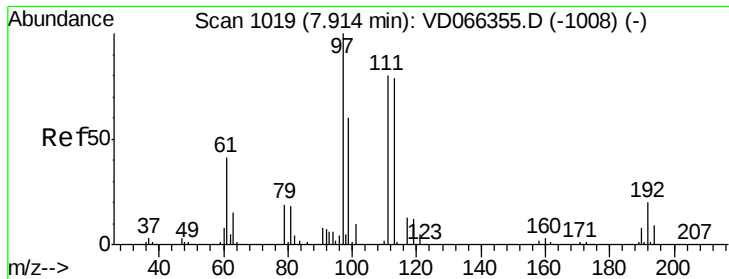
Tot Ion: 65 Resp: 106861
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066369.D
 Acq: 21 Aug 2020 19:41

Tgt Ion: 114 Resp: 305246
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.8
 88 14.6 0.0 35.4

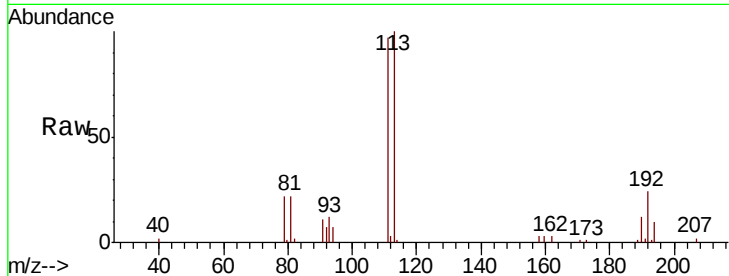




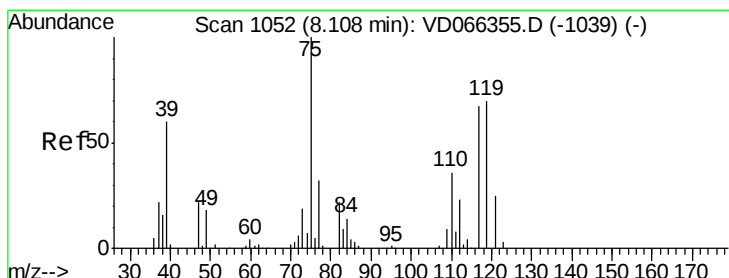
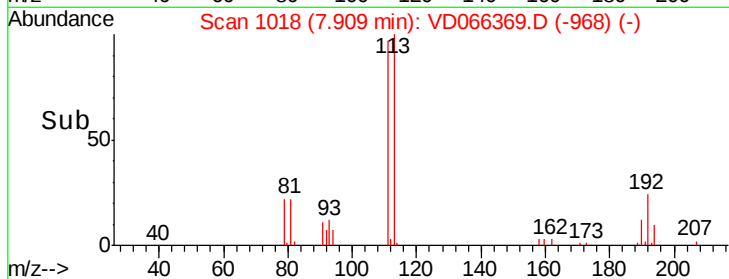
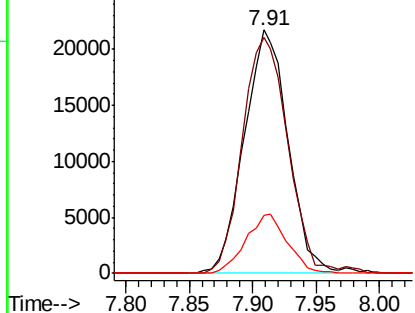
#35
Dibromofluoromethane
Concen: 27.284 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD066369.D
Acq: 21 Aug 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
EROC-BF-1A

Tot Ion:113 Resp: 52078
Ion Ratio Lower Upper
113 100
111 100.0 80.3 120.5
192 23.0 19.0 28.6

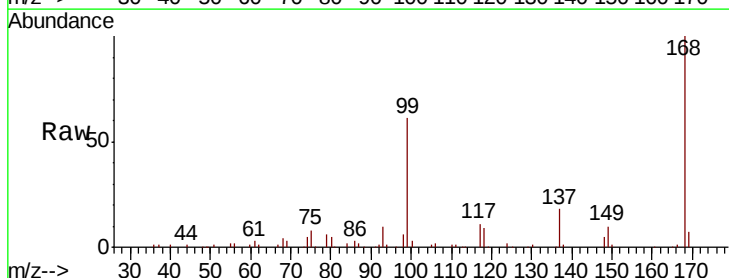


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

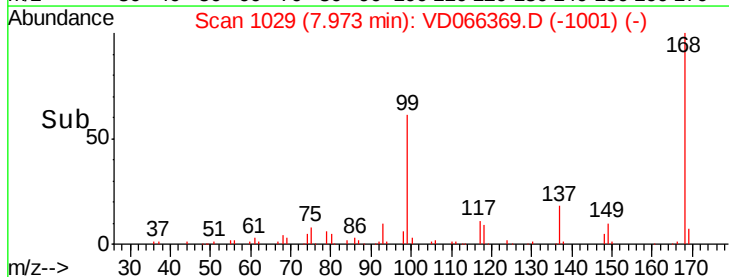
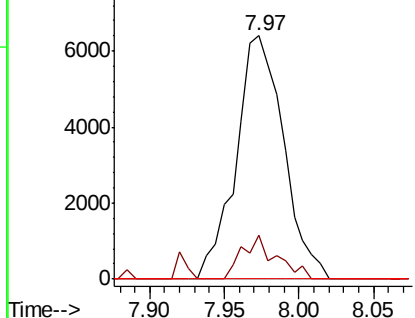


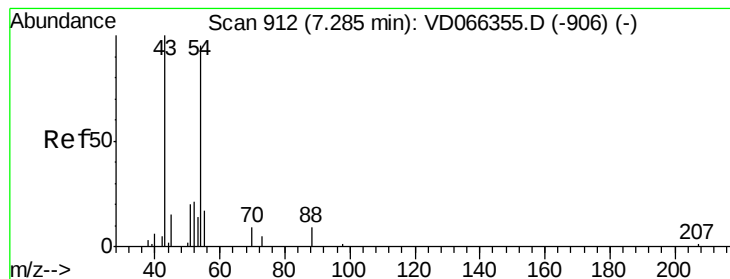
#36
1,1-Dichloropropene
Concen: 5.080 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.14 min
Lab File: VD066369.D
Acq: 21 Aug 2020 19:41

Tgt Ion: 75 Resp: 14150
Ion Ratio Lower Upper
75 100
110 12.9 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





#37

Ethyl Acetate

Concen: 11.947 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.07 min

Lab File: VD066369.D

Acq: 21 Aug 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

EROC-BF-1A

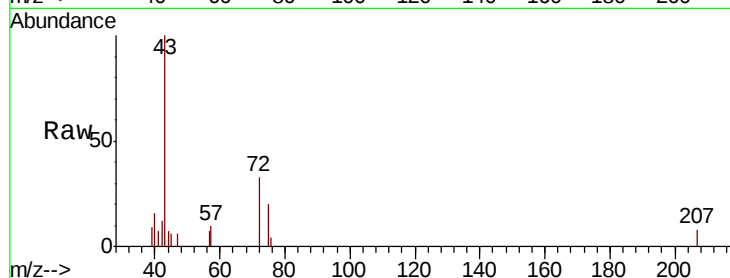
Tot Ion: 43 Resp: 11317

Ion Ratio Lower Upper

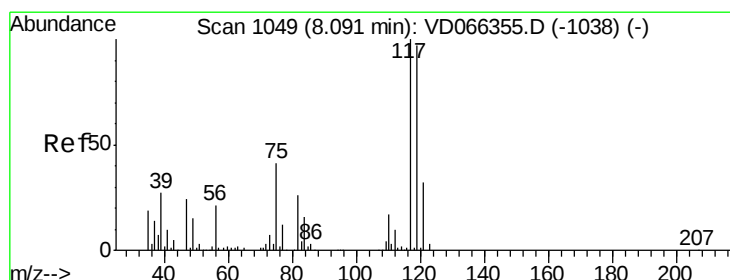
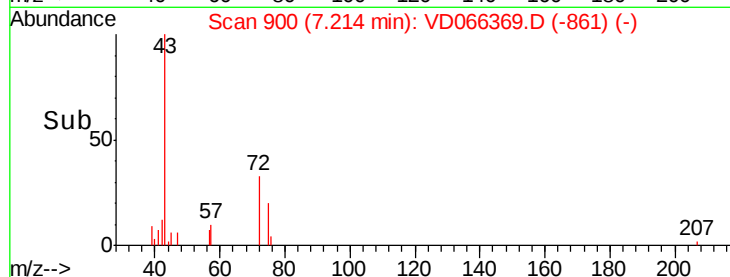
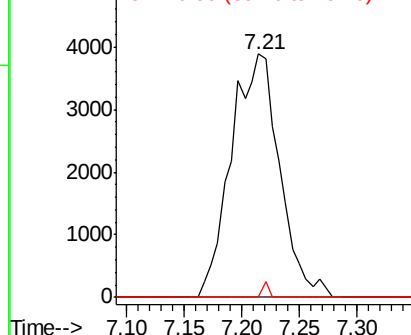
43 100

61 0.0 13.3 19.9#

70 0.8 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: 5.513 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066369.D

Acq: 21 Aug 2020 19:41

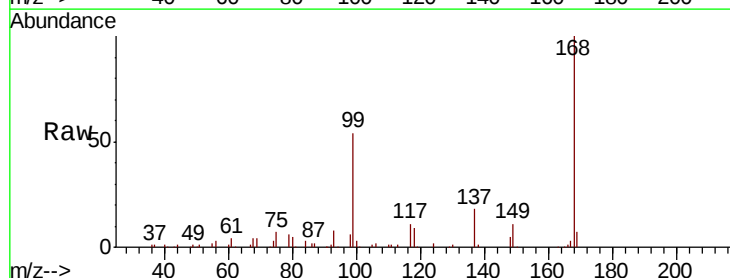
Tgt Ion: 117 Resp: 20004

Ion Ratio Lower Upper

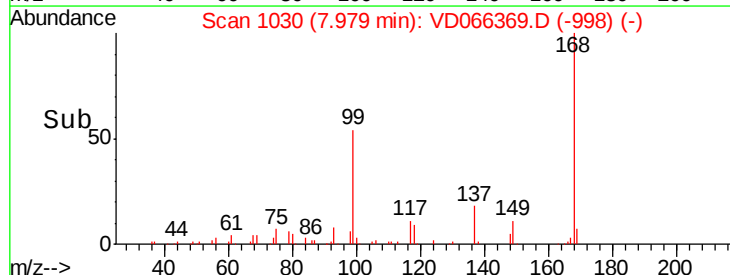
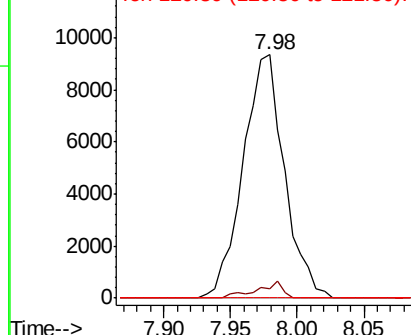
117 100

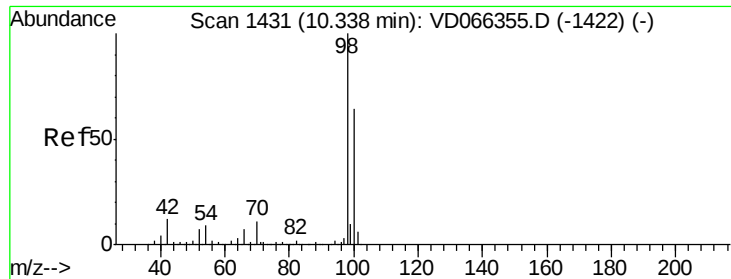
119 3.8 77.2 115.8#

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

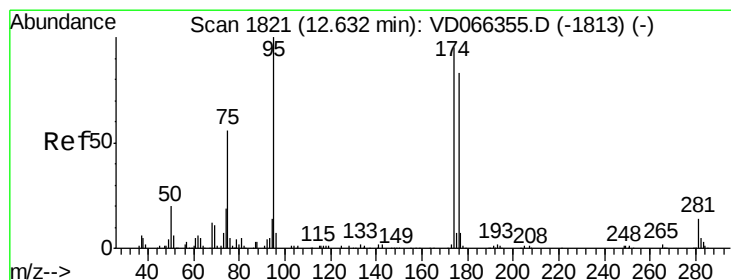
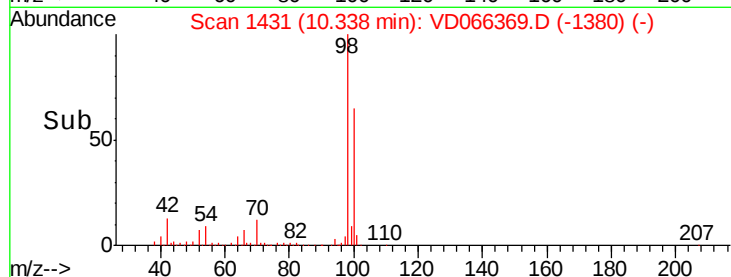
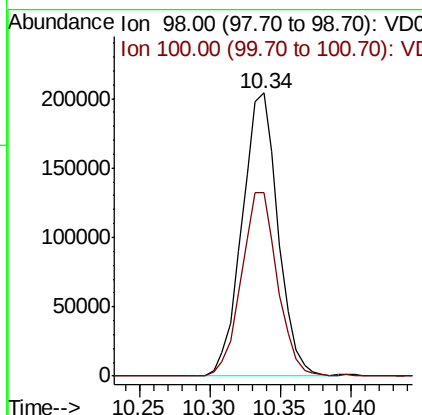
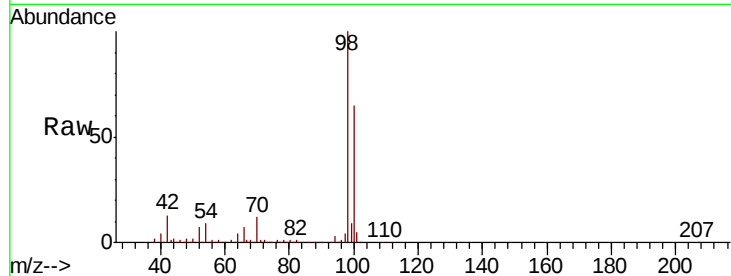




#50
Toluene-d8
Concen: 52.095 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066369.D
Acq: 21 Aug 2020 19:41

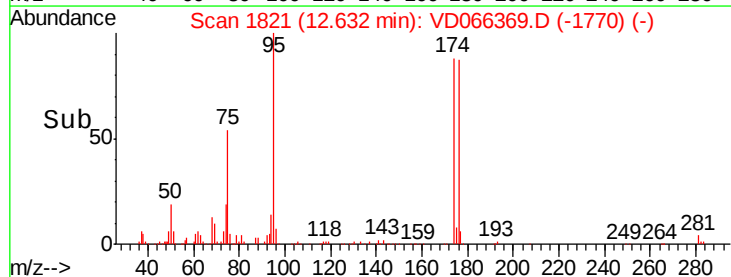
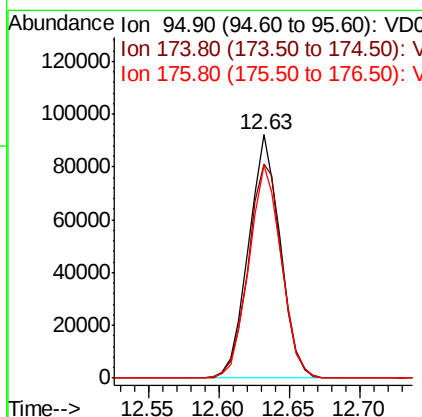
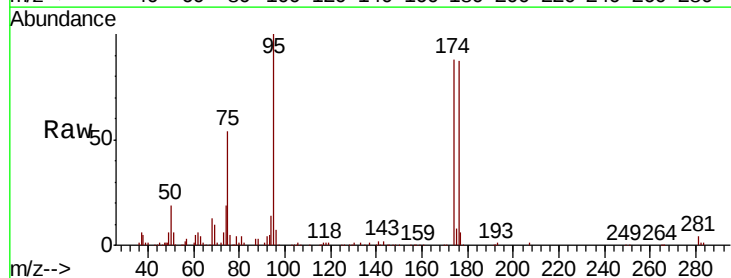
Instrument :
MSVOA_D
ClientSampleId :
EROC-BF-1A

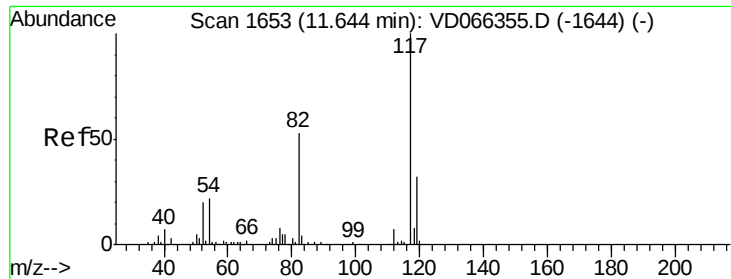
Tot Ion: 98 Resp: 363818
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 58.537 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066369.D
Acq: 21 Aug 2020 19:41

Tgt Ion: 95 Resp: 145064
Ion Ratio Lower Upper
95 100
174 93.6 0.0 183.4
176 89.6 0.0 173.8

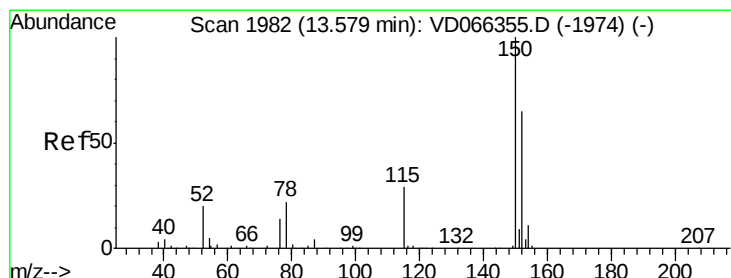
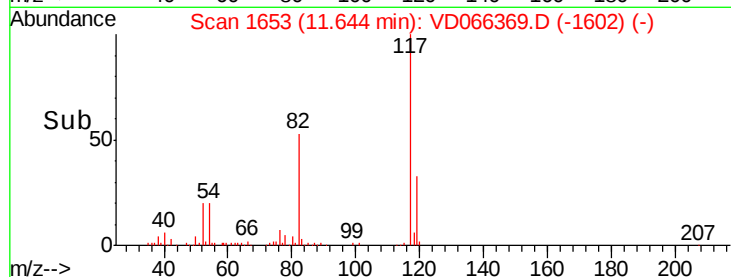
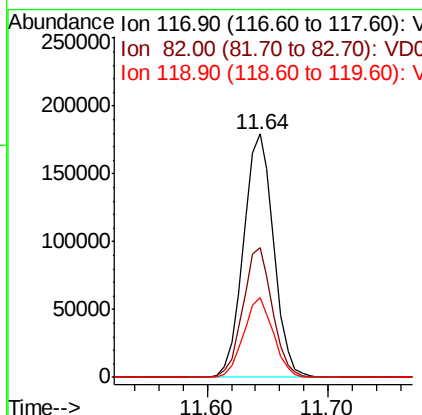
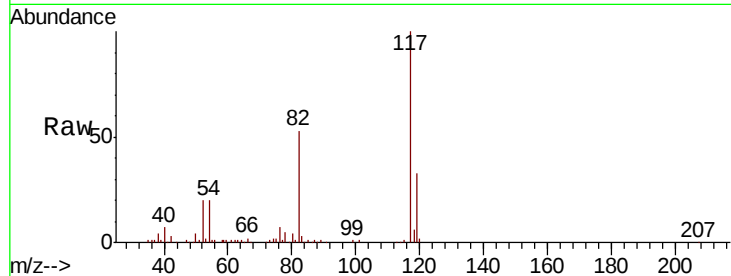




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066369.D
Acq: 21 Aug 2020 19:41

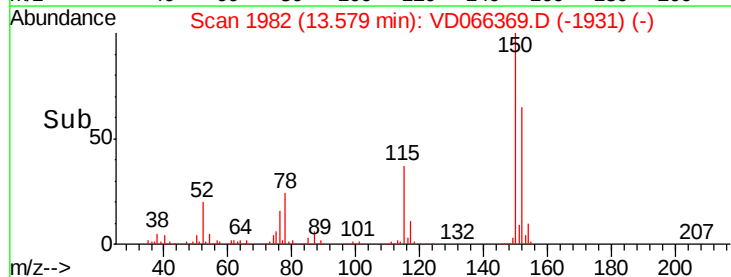
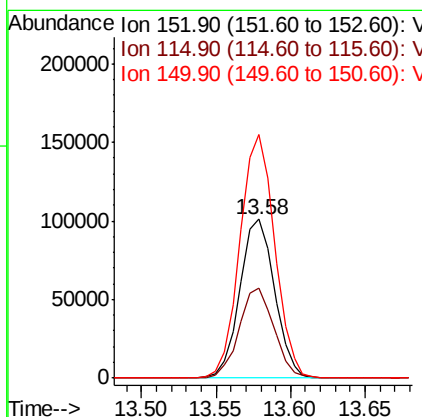
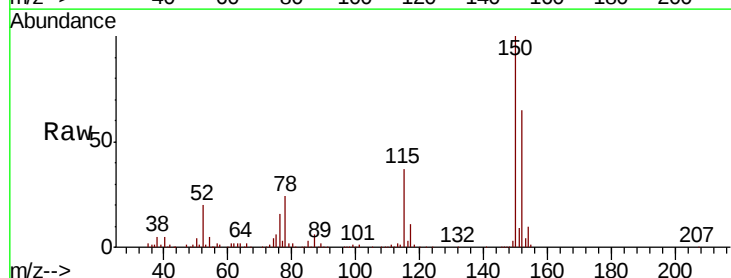
Instrument :
MSVOA_D
ClientSampleId :
EROC-BF-1A

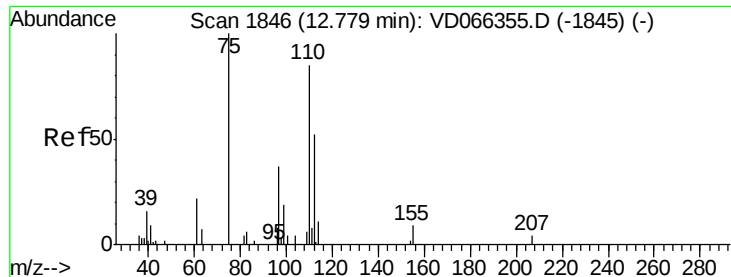
Tot Ion:117 Resp: 312703
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 33.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066369.D
Acq: 21 Aug 2020 19:41

Tgt Ion:152 Resp: 163179
Ion Ratio Lower Upper
152 100
115 56.9 28.3 85.0
150 153.3 0.0 343.2





#76

1,2,3-Trichloropropane

Concen: 69.956 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066369.D

Acq: 21 Aug 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

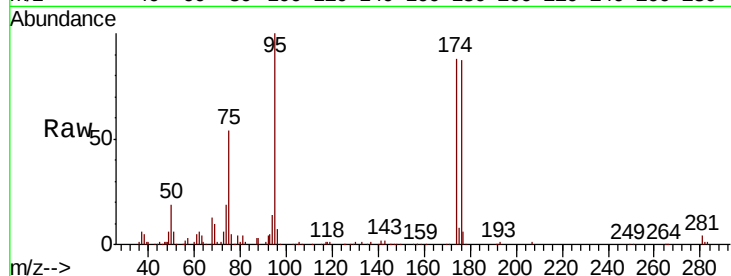
EROC-BF-1A

Tot Ion: 75 Resp: 80307

Ion Ratio Lower Upper

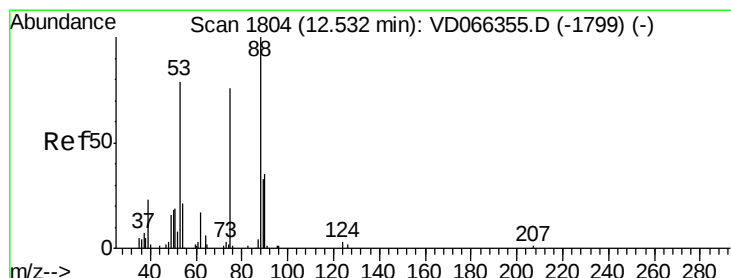
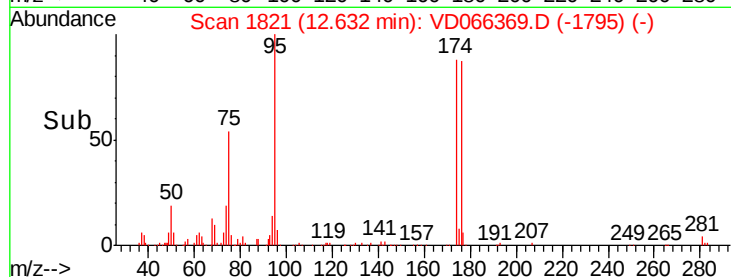
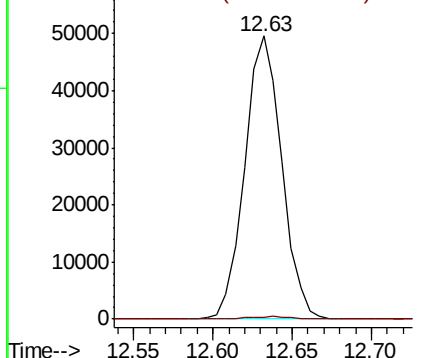
75 100

77 0.9 182.9 548.9#



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: 148.493 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066369.D

Acq: 21 Aug 2020 19:41

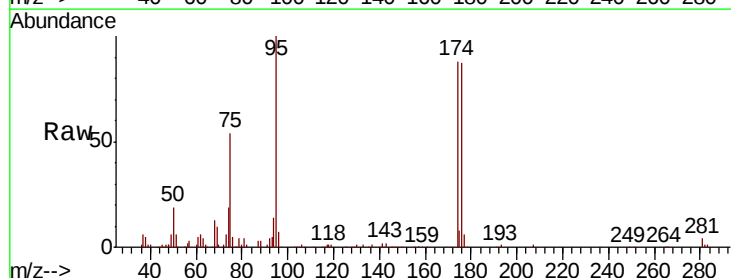
Tgt Ion: 75 Resp: 80307

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.2#

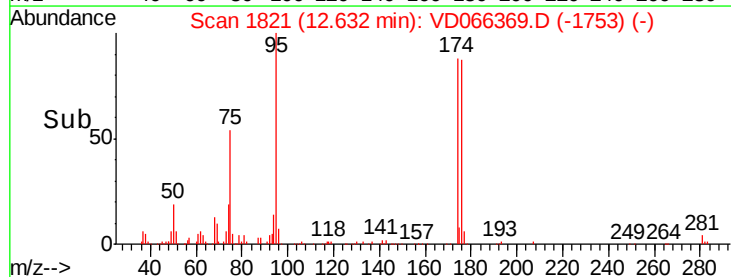
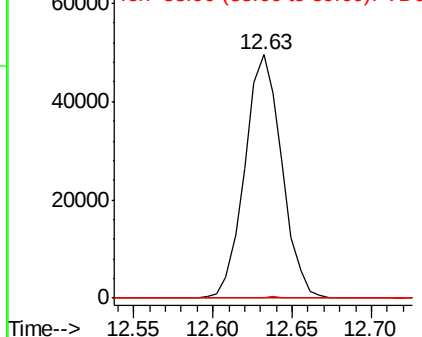
89 0.1 39.4 59.0#

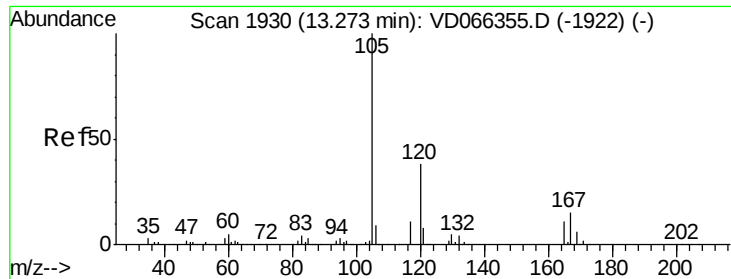


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

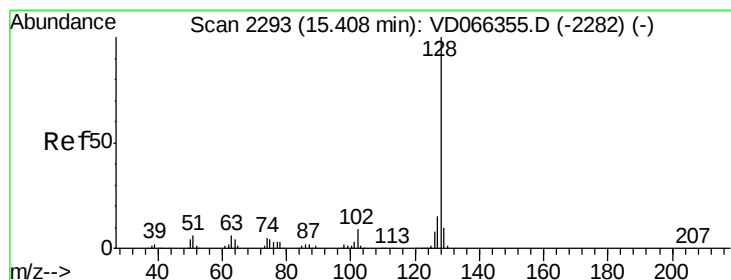
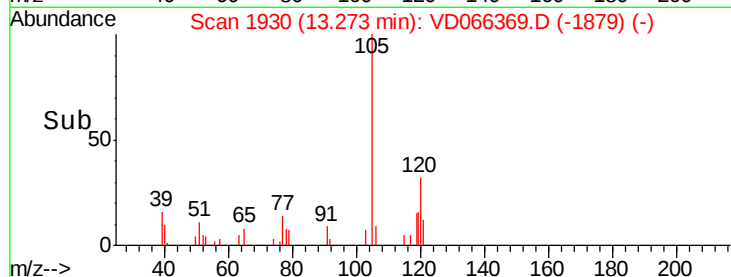
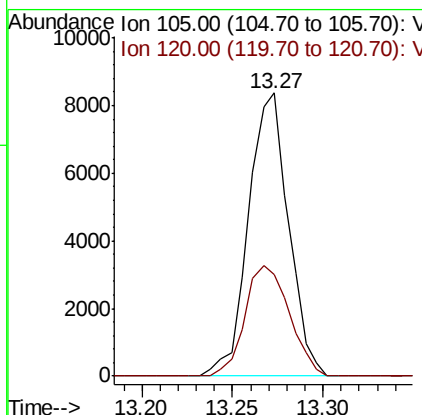
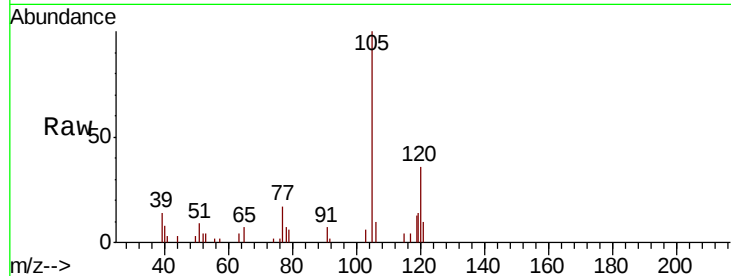




#84
 1,2,4-Trimethylbenzene
 Concen: 1.387 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066369.D
 Acq: 21 Aug 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 EROC-BF-1A

Tot Ion:105 Resp: 12857
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.6 67.7



#95
 Naphthalene
 Concen: 1.971 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VD066369.D
 Acq: 21 Aug 2020 19:41

Tgt Ion:128 Resp: 10775
 Ion Ratio Lower Upper
 128 100
 127 14.0 10.7 16.1
 129 14.6 8.6 12.8#

