

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066749.D
 Acq On : 17 Sep 2020 17:23
 Operator : VA/SY
 Sample : L4062-04
 Misc : 3.23G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EROC-NI4-2

Quant Time: Sep 18 01:16:32 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	380187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	694312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	668497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313075	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	234497	57.81	ug/l	0.00
Spiked Amount			Recovery	=	115.62%	
35) Dibromofluoromethane	7.91	113	231583	54.40	ug/l	0.00
Spiked Amount			Recovery	=	108.80%	
50) Toluene-d8	10.34	98	845326	55.74	ug/l	0.00
Spiked Amount			Recovery	=	111.48%	
62) 4-Bromofluorobenzene	12.63	95	330069	63.05	ug/l	0.00
Spiked Amount			Recovery	=	126.10%	

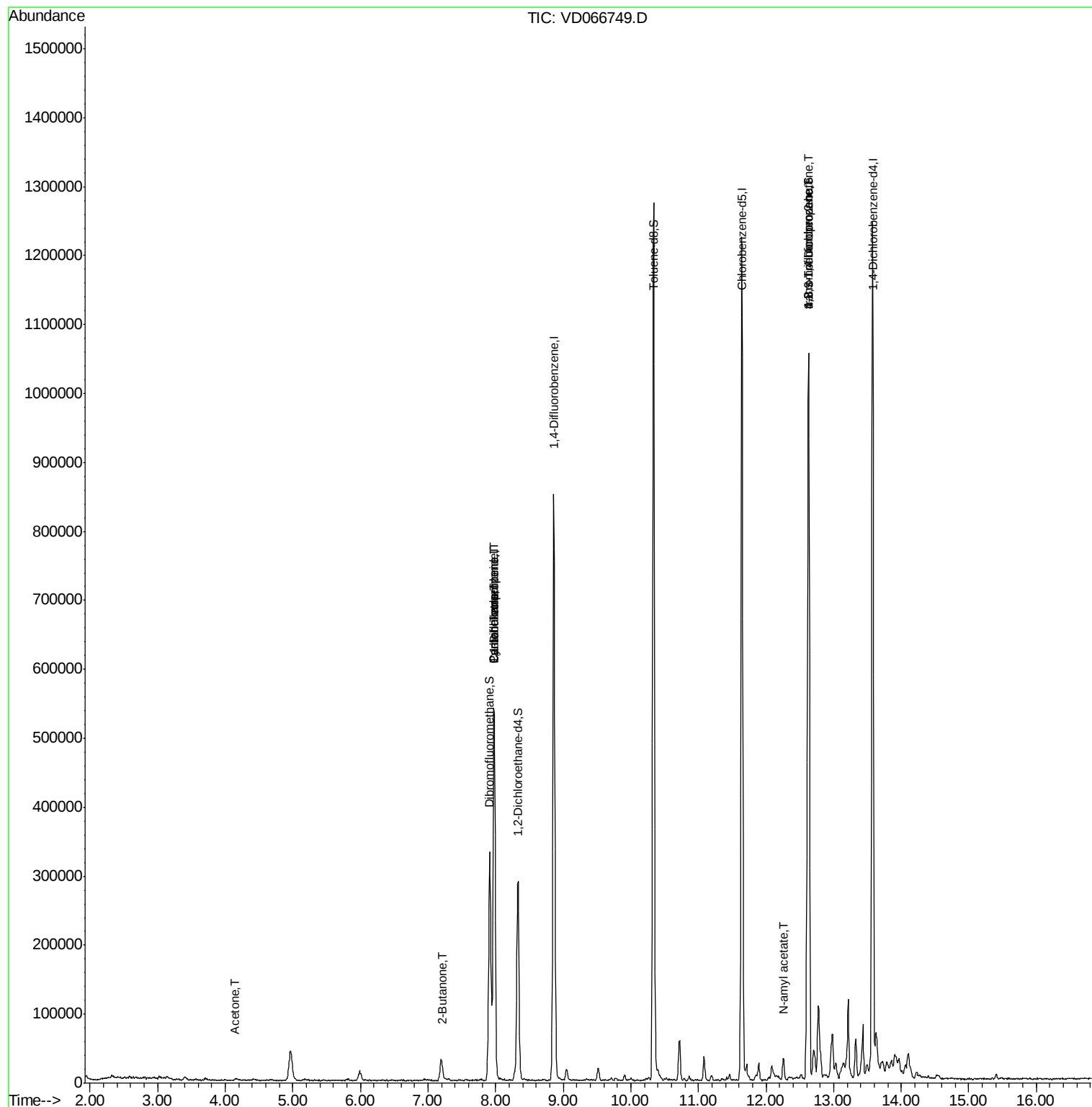
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	539	Below Cal	#	43
11) Tert butyl alcohol	5.19	59	686	Below Cal	#	76
16) Acetone	4.16	43	4216	5.104	ug/l	93
18) Methyl Acetate	4.71	43	169	Below Cal	#	52
25) 2-Butanone	7.22	43	4415	4.105	ug/l	94
31) Cyclohexane	7.98	56	10125	1.413	ug/l #	23
36) 1,1-Dichloropropene	7.98	75	35064	4.912	ug/l #	50
38) Carbon Tetrachloride	7.97	117	42218	5.569	ug/l #	16
74) N-amyl acetate	12.26	43	5915	1.200	ug/l #	56
76) 1,2,3-Trichloropropane	12.63	75	177187	66.120	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	177187	142.697	ug/l #	11

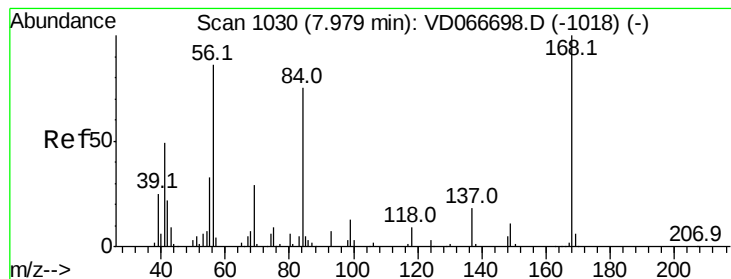
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091720\
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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: VD066749.D

Acq: 17 Sep 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

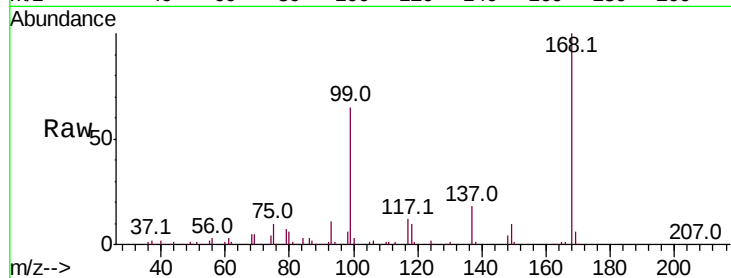
EROC-NI4-2

Tot Ion:168 Resp: 380187

Ion Ratio Lower Upper

168 100

99 65.0 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

150000

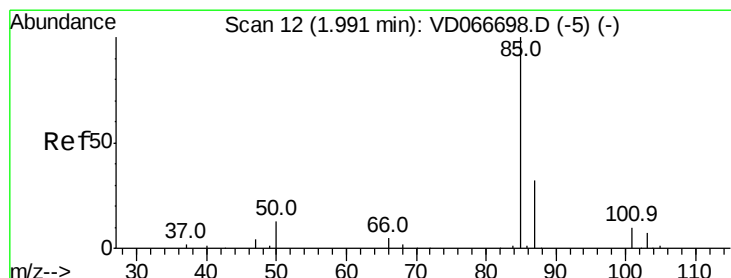
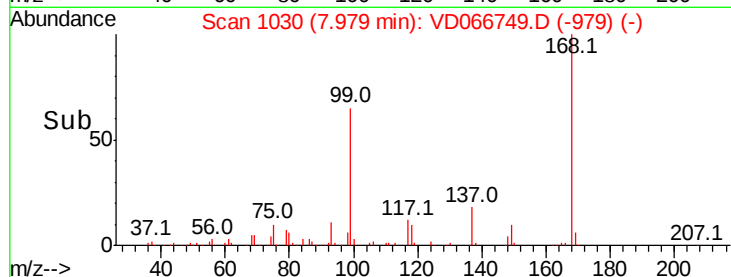
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066749.D

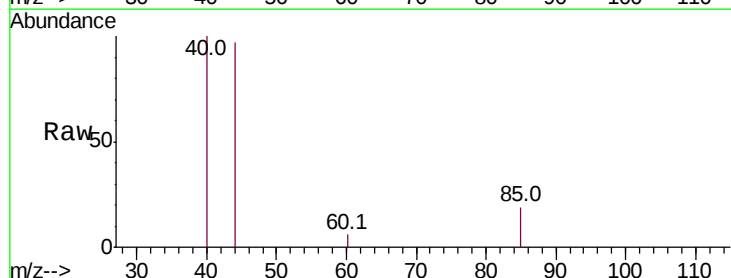
Acq: 17 Sep 2020 17:23

Tgt Ion: 85 Resp: 539

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.98

600

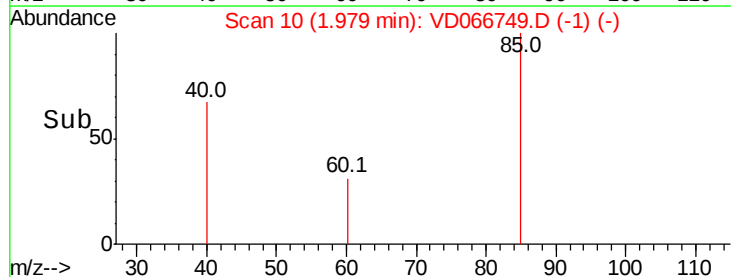
400

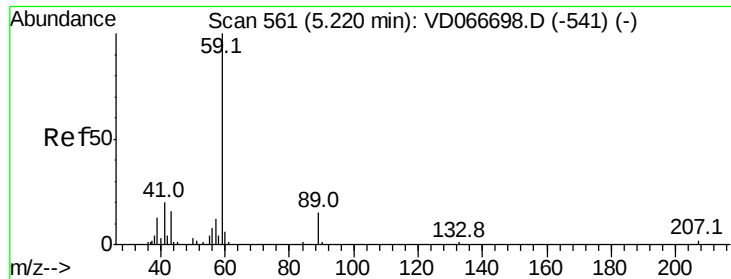
200

0

Time-->

1.96 1.98 2.00 2.02

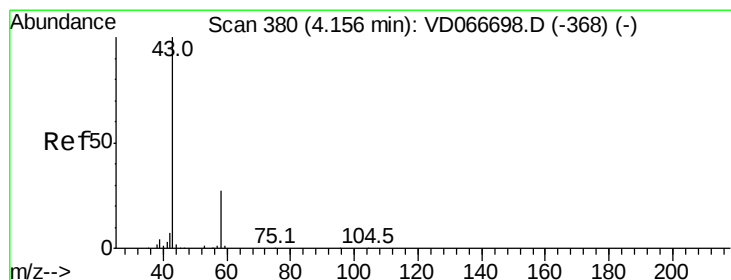
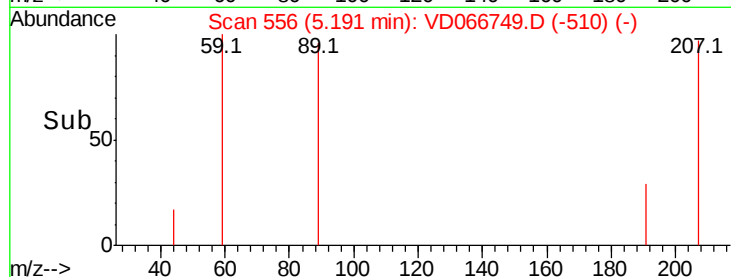
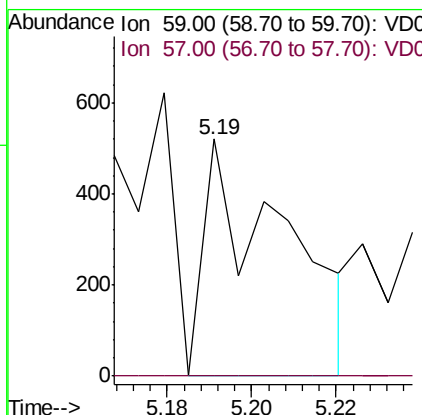
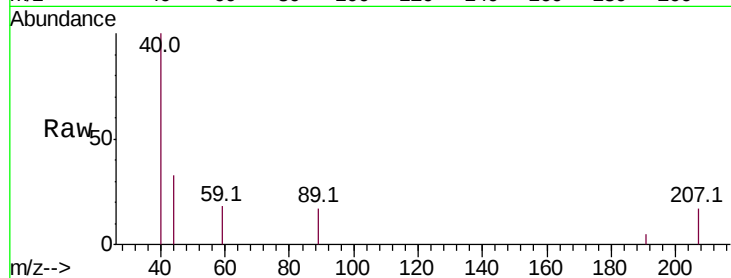




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.19 min Scan# 556
Delta R.T. -0.03 min
Lab File: VD066749.D
Acq: 17 Sep 2020 17:23

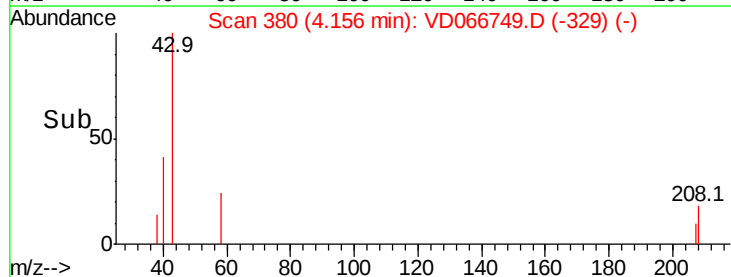
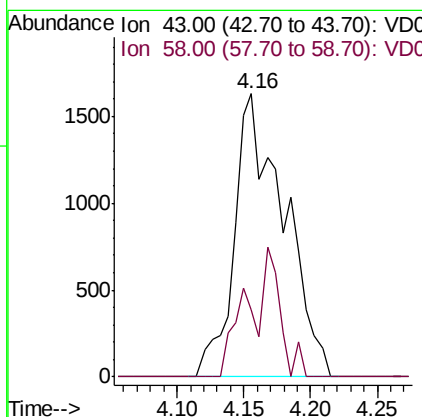
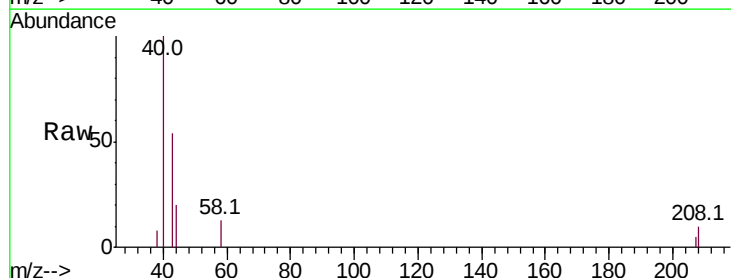
Instrument :
MSVOA_D
ClientSampleId :
EROC-NI4-2

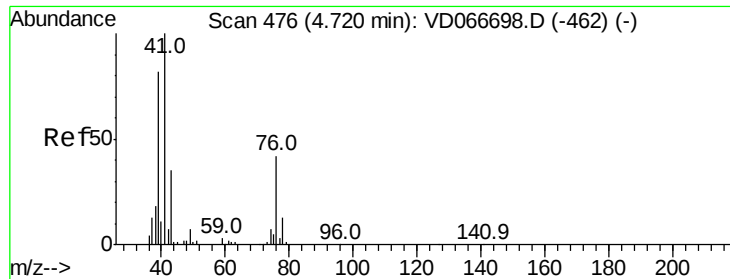
Tot Ion: 59 Resp: 686
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#



#16
Acetone
Concen: 5.104 ug/l
RT: 4.16 min Scan# 380
Delta R.T. 0.00 min
Lab File: VD066749.D
Acq: 17 Sep 2020 17:23

Tgt Ion: 43 Resp: 4216
Ion Ratio Lower Upper
43 100
58 23.9 21.9 32.9

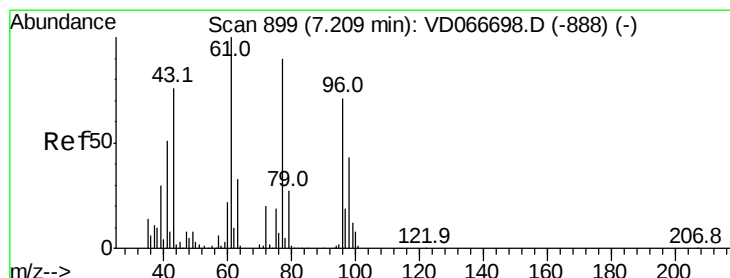
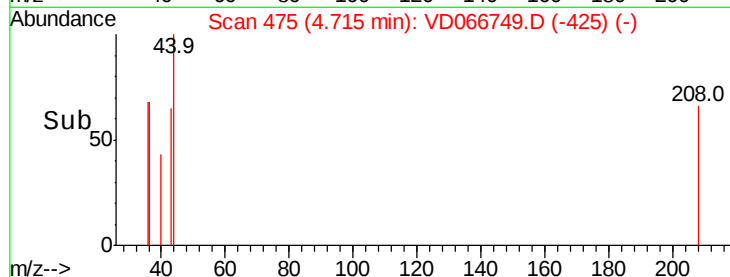
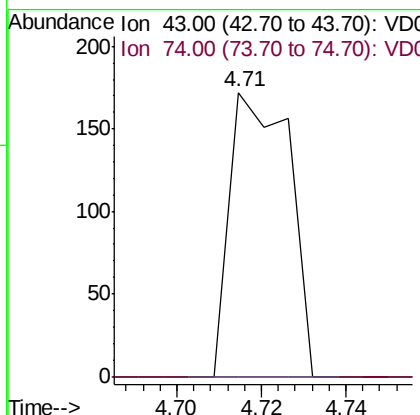
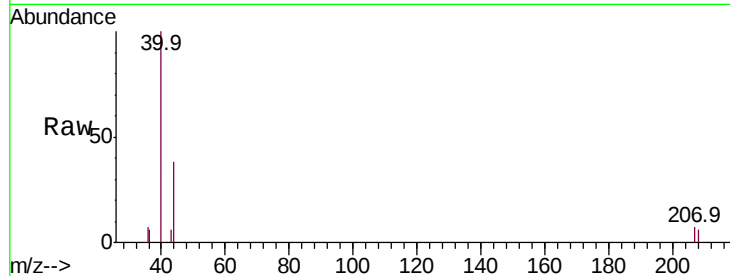




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066749.D
Acq: 17 Sep 2020 17:23

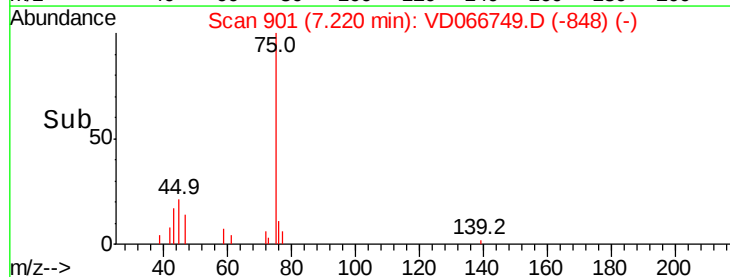
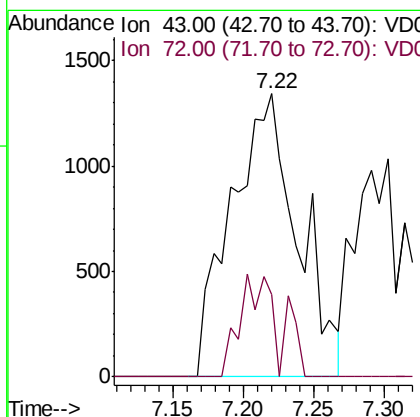
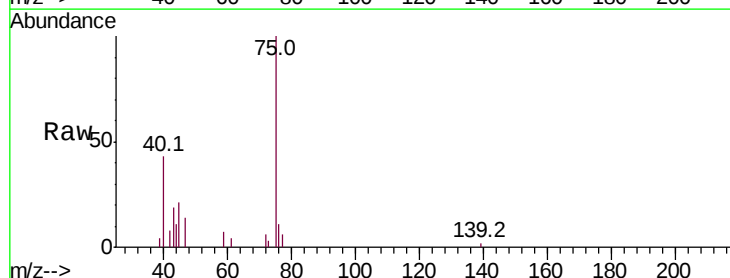
Instrument :
MSVOA_D
ClientSampleId :
EROC-NI4-2

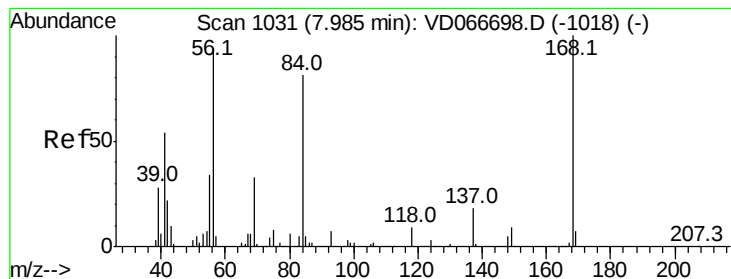
Tot Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#25
2-Butanone
Concen: 4.105 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD066749.D
Acq: 17 Sep 2020 17:23

Tgt Ion: 43 Resp: 4415
Ion Ratio Lower Upper
43 100
72 29.1 21.0 31.4





#31

Cyclohexane

Concen: 1.413 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066749.D

Acq: 17 Sep 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

EROC-NI4-2

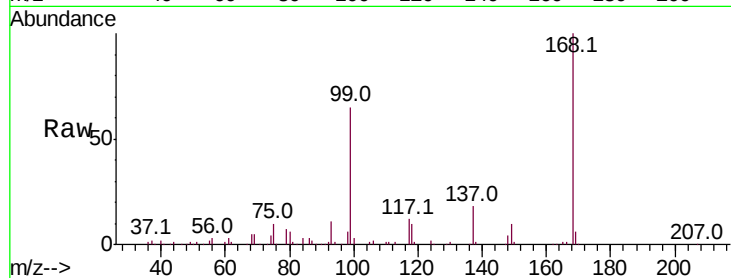
Tot Ion: 56 Resp: 10125

Ion Ratio Lower Upper

56 100

69 155.8 27.7 41.5#

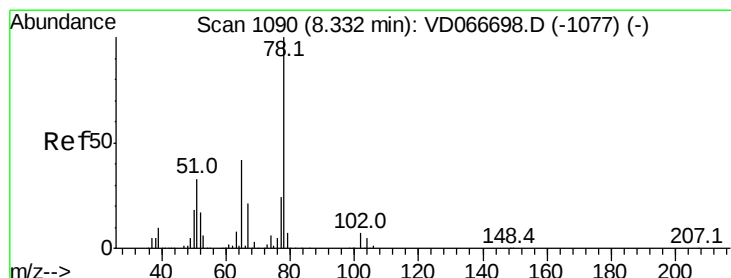
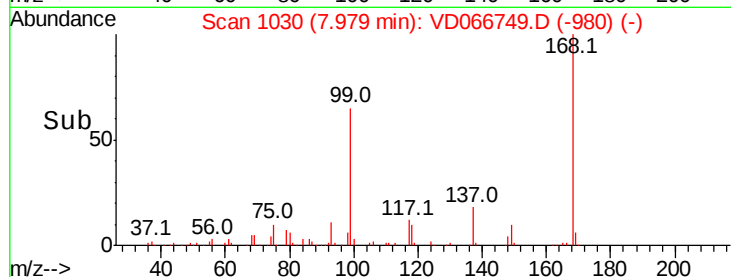
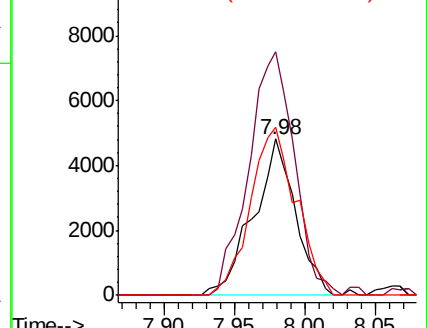
84 107.4 68.5 102.7#



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: 57.810 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066749.D

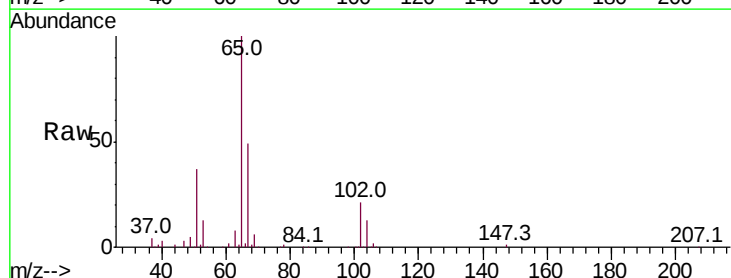
Acq: 17 Sep 2020 17:23

Tgt Ion: 65 Resp: 234497

Ion Ratio Lower Upper

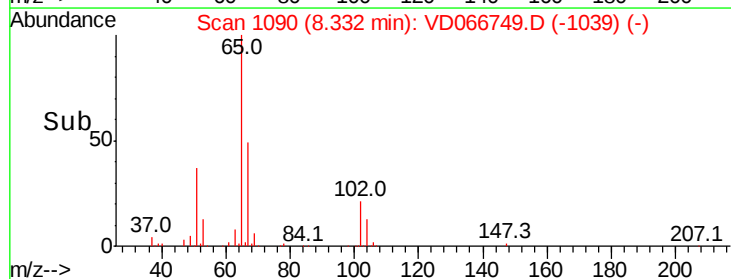
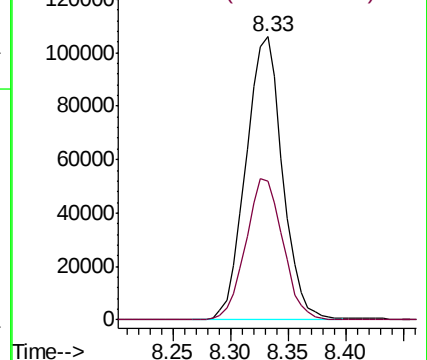
65 100

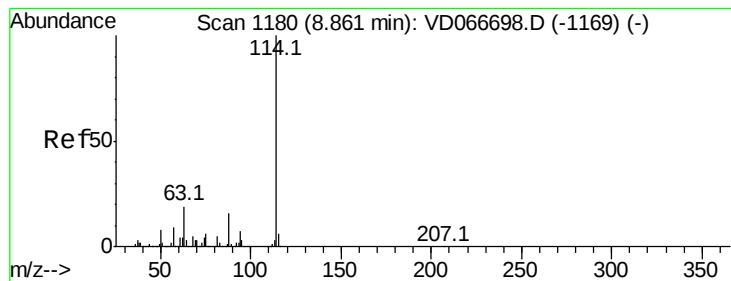
67 50.5 0.0 102.2



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: VD066749.D

Acq: 17 Sep 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

EROC-NI4-2

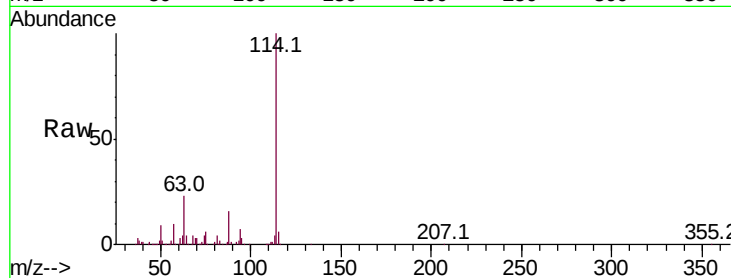
Tot Ion:114 Resp: 694312

Ion Ratio Lower Upper

114 100

63 22.5 0.0 37.6

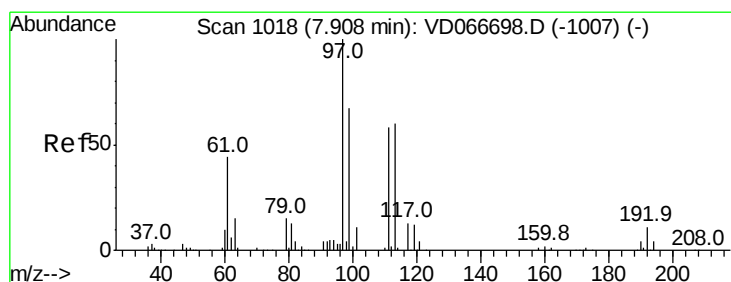
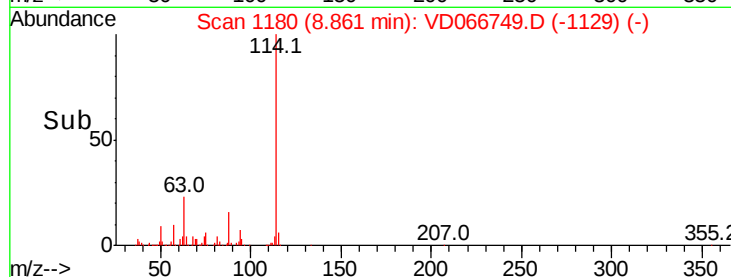
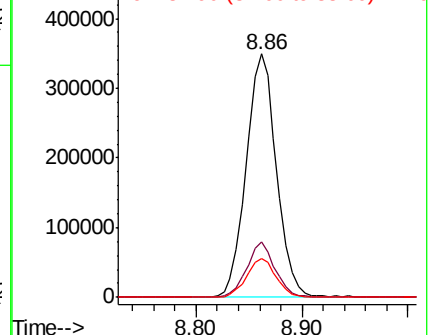
88 16.1 0.0 32.2



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: 54.403 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066749.D

Acq: 17 Sep 2020 17:23

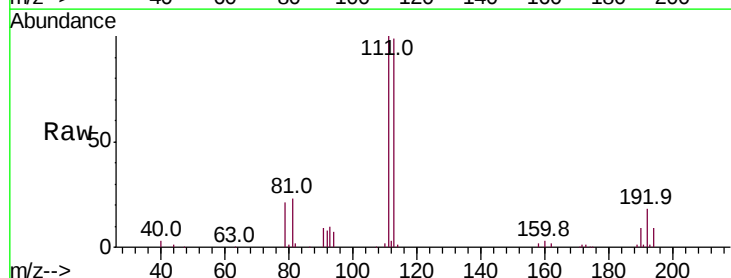
Tgt Ion:113 Resp: 231583

Ion Ratio Lower Upper

113 100

111 101.8 83.2 124.8

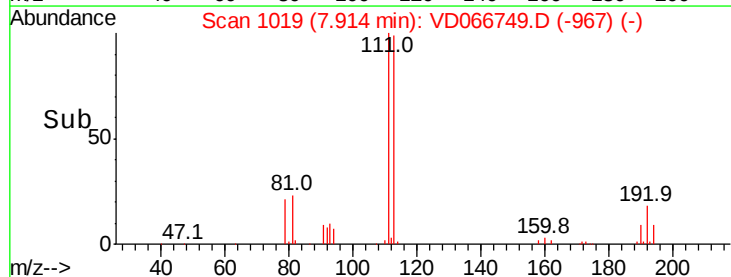
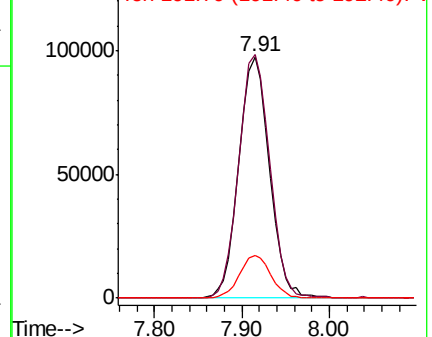
192 18.1 14.8 22.2

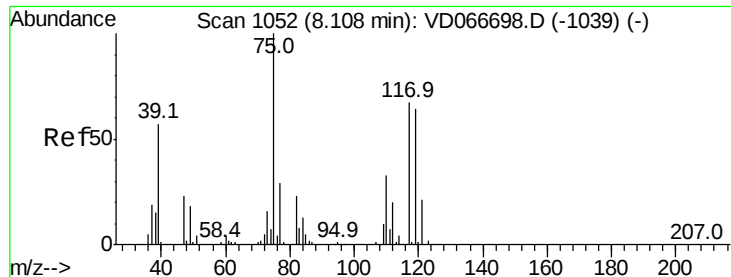


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

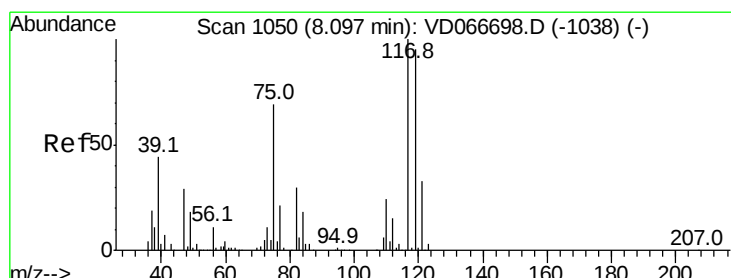
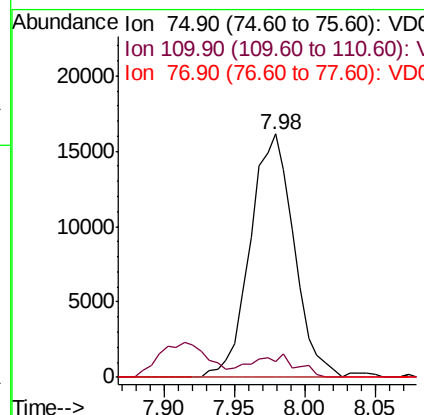
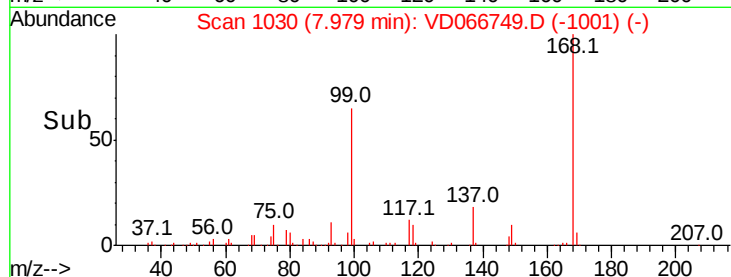
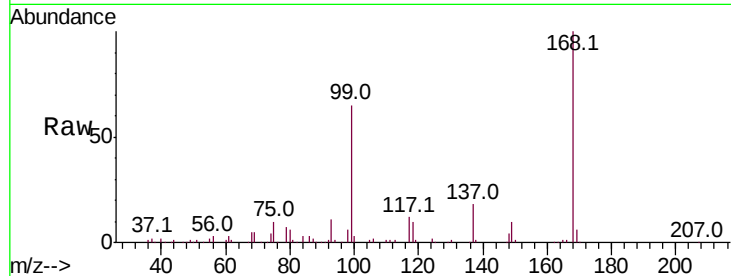




#36
 1,1-Dichloropropene
 Concen: 4.912 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066749.D
 Acq: 17 Sep 2020 17:23

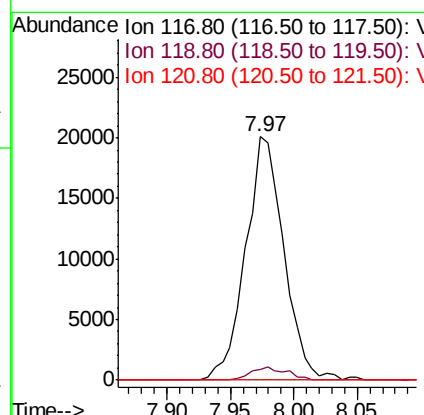
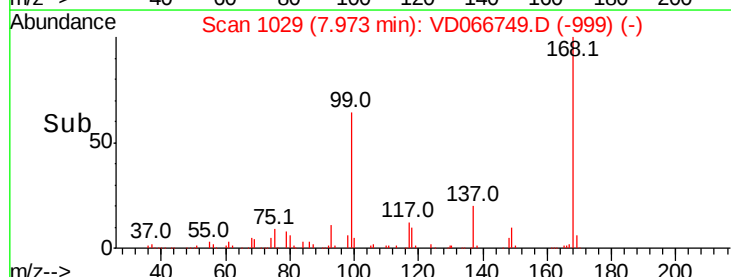
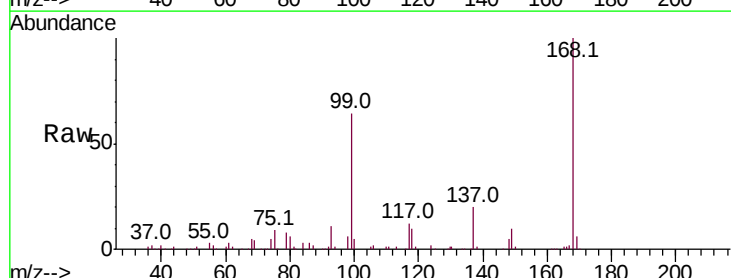
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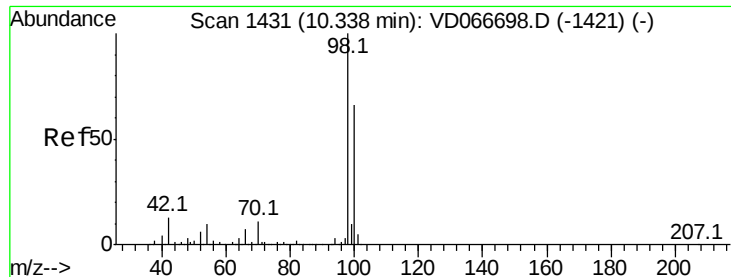
Tot Ion: 75 Resp: 35064
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.1 51.2#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.569 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066749.D
 Acq: 17 Sep 2020 17:23

Tgt Ion: 117 Resp: 42218
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.8 113.6#
 121 0.0 26.2 39.4#

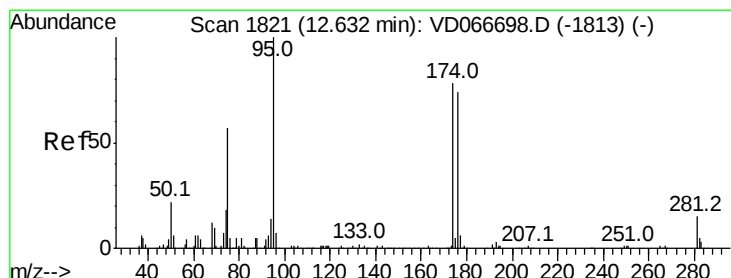
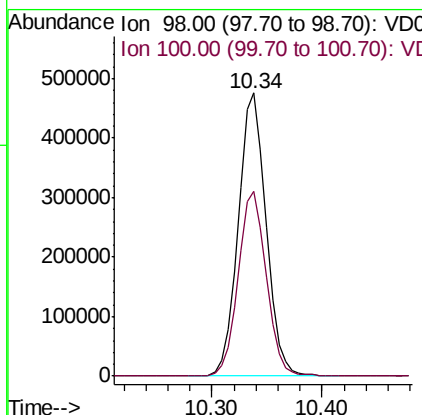
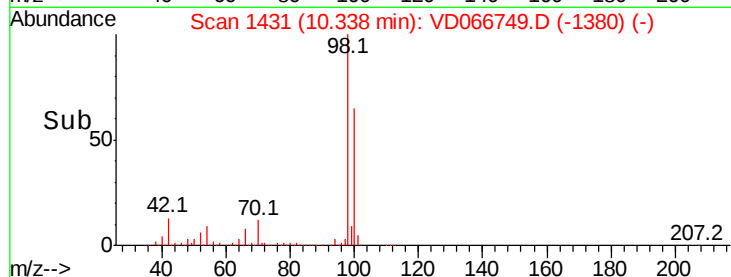
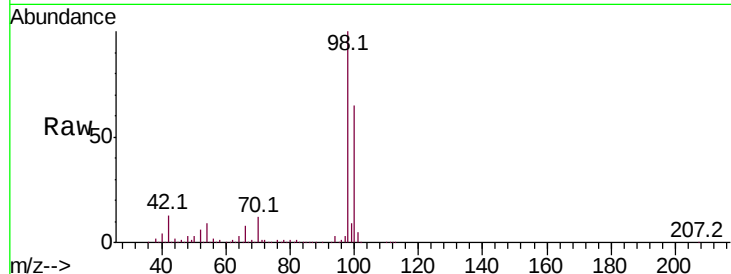




#50
Toluene-d8
Concen: 55.739 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066749.D
Acq: 17 Sep 2020 17:23

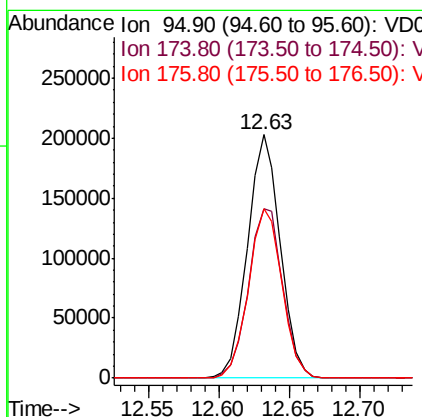
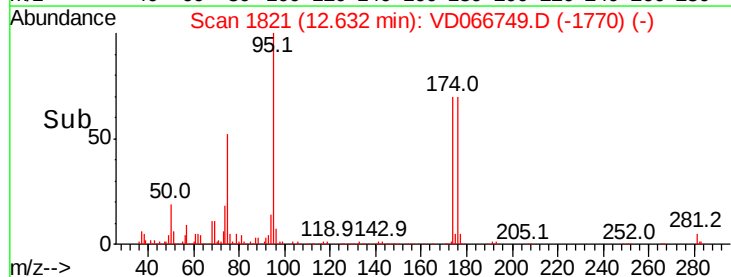
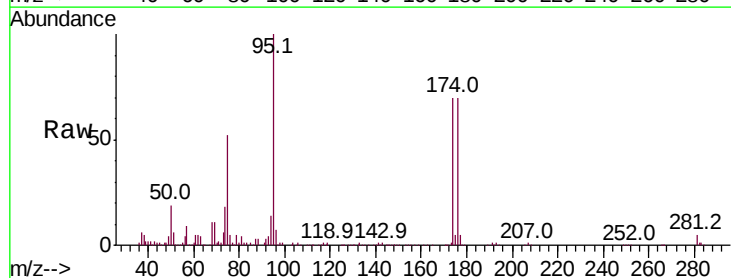
Instrument :
MSVOA_D
ClientSampleId :
EROC-NI4-2

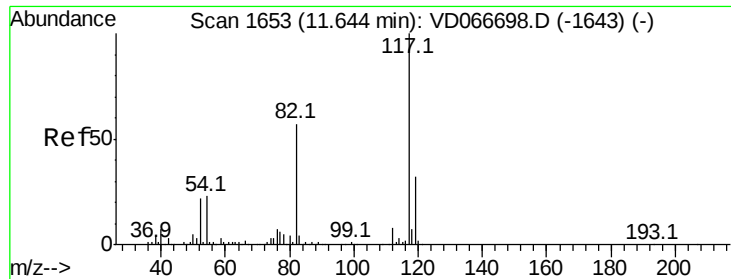
Tot Ion: 98 Resp: 845326
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 63.049 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066749.D
Acq: 17 Sep 2020 17:23

Tgt Ion: 95 Resp: 330069
Ion Ratio Lower Upper
95 100
174 72.9 0.0 156.6
176 71.0 0.0 150.2

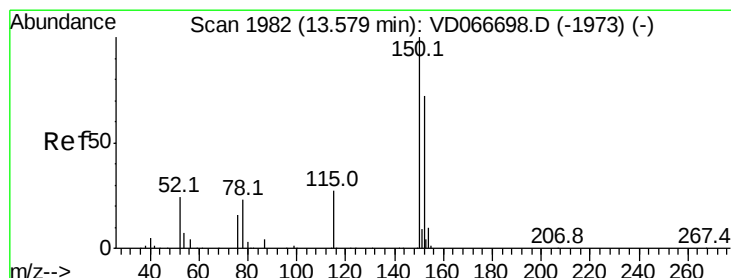
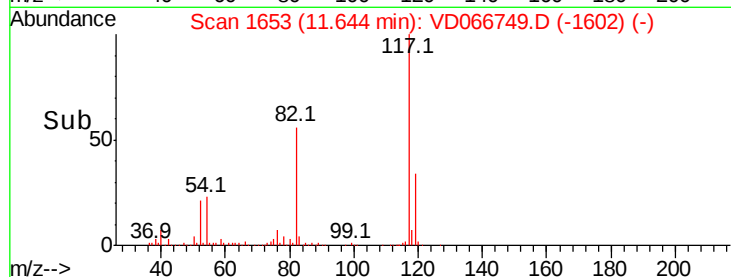
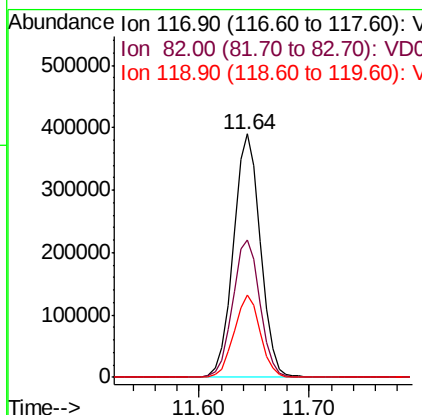
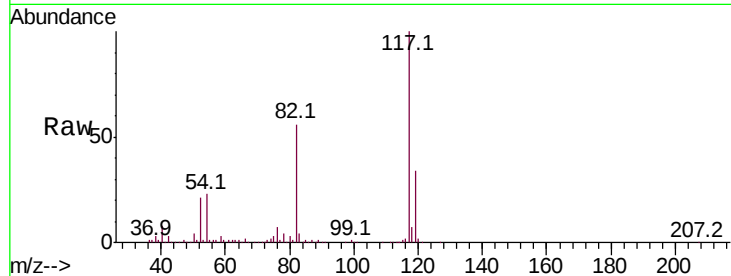




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066749.D
Acq: 17 Sep 2020 17:23

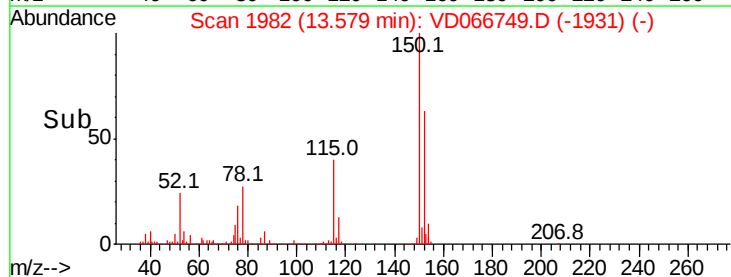
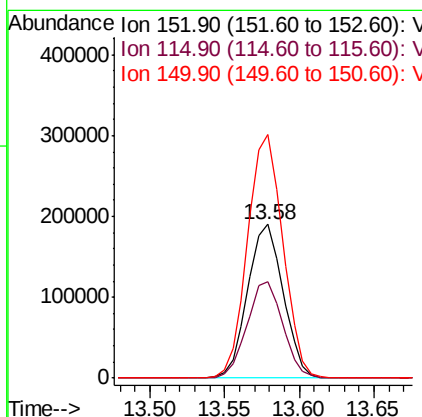
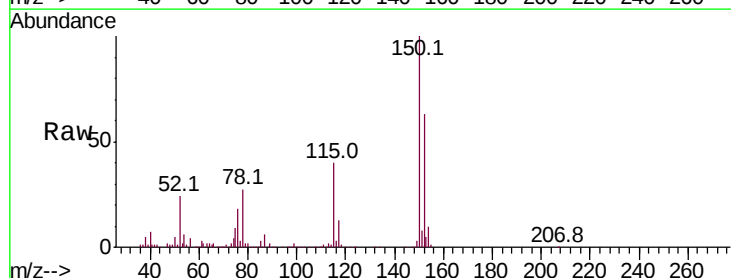
Instrument :
MSVOA_D
ClientSampleId :
EROC-NI4-2

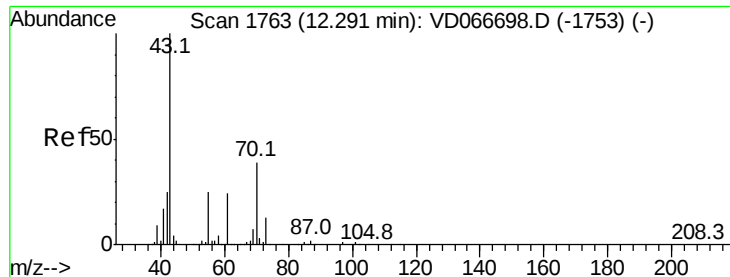
Tot Ion:117 Resp: 668497
Ion Ratio Lower Upper
117 100
82 56.2 45.4 68.0
119 33.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066749.D
Acq: 17 Sep 2020 17:23

Tgt Ion:152 Resp: 313075
Ion Ratio Lower Upper
152 100
115 63.1 30.5 91.5
150 157.7 0.0 344.6





#74

N-amvl acetate

Concen: 1.200 ug/l

RT: 12.26 min Scan# 1757

Delta R.T. -0.04 min

Lab File: VD066749.D

Acq: 17 Sep 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

EROC-NI4-2

Tot Ion: 43 Resp: 5915

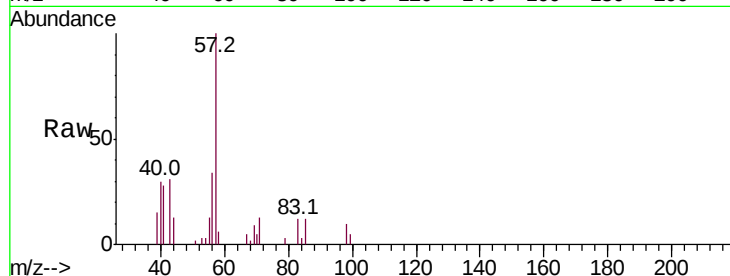
Ion Ratio Lower Upper

43 100

70 18.4 33.0 49.4#

55 52.9 20.6 30.8#

61 0.0 19.1 28.7#

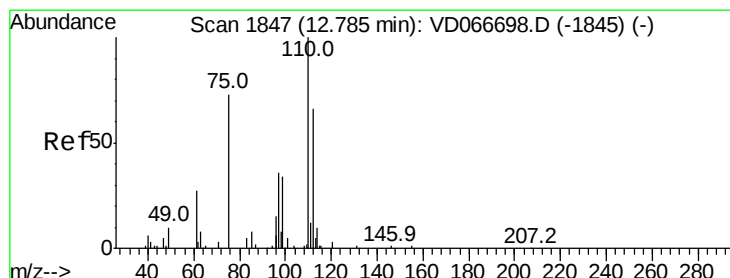
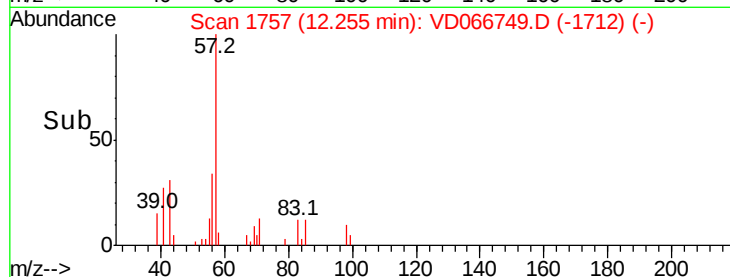
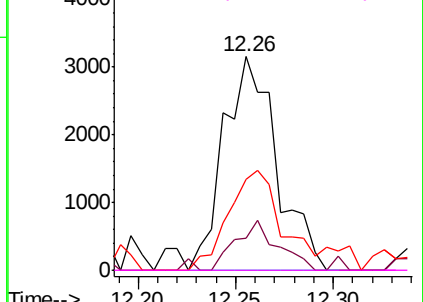


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 66.120 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066749.D

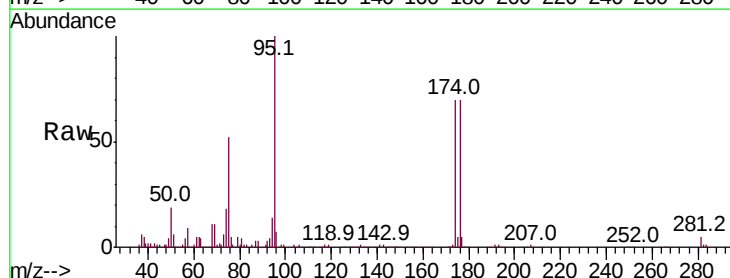
Acq: 17 Sep 2020 17:23

Tgt Ion: 75 Resp: 177187

Ion Ratio Lower Upper

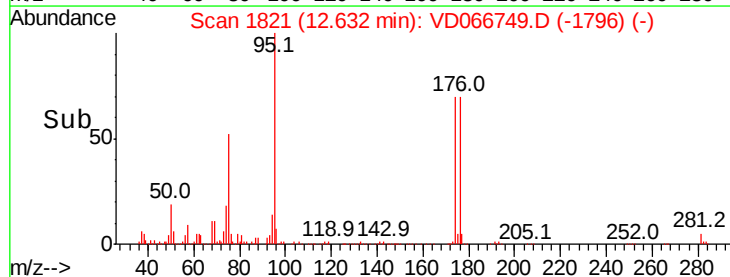
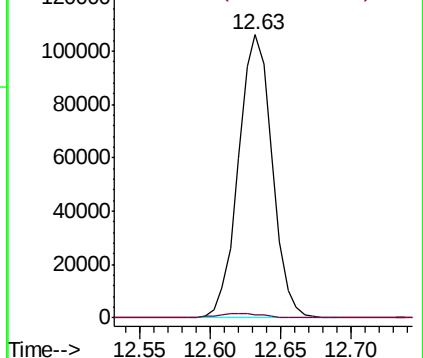
75 100

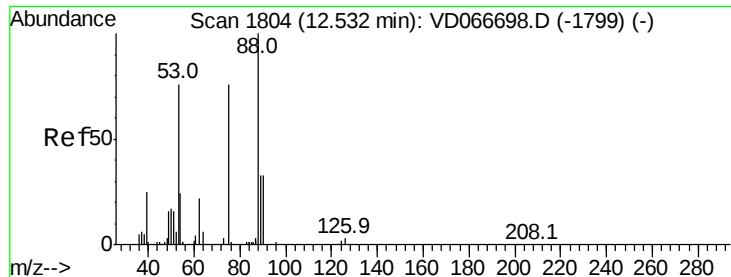
77 2.3 0.0 0.0#



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: 142.697 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066749.D

Acq: 17 Sep 2020 17:23

Instrument :

MSVOA_D

ClientSampleId :

EROC-NI4-2

Tot Ion: 75 Resp: 177187

Ion Ratio Lower Upper

75 100

53 3.5 82.2 123.4#

89 0.2 39.6 59.4#

