

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076799.D
 Acq On : 19 Jul 2023 19:10
 Operator : KP/SY
 Sample : 03657-01RE
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BERGENSWITCH-COMP1RE

Quant Time: Jul 20 05:02:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

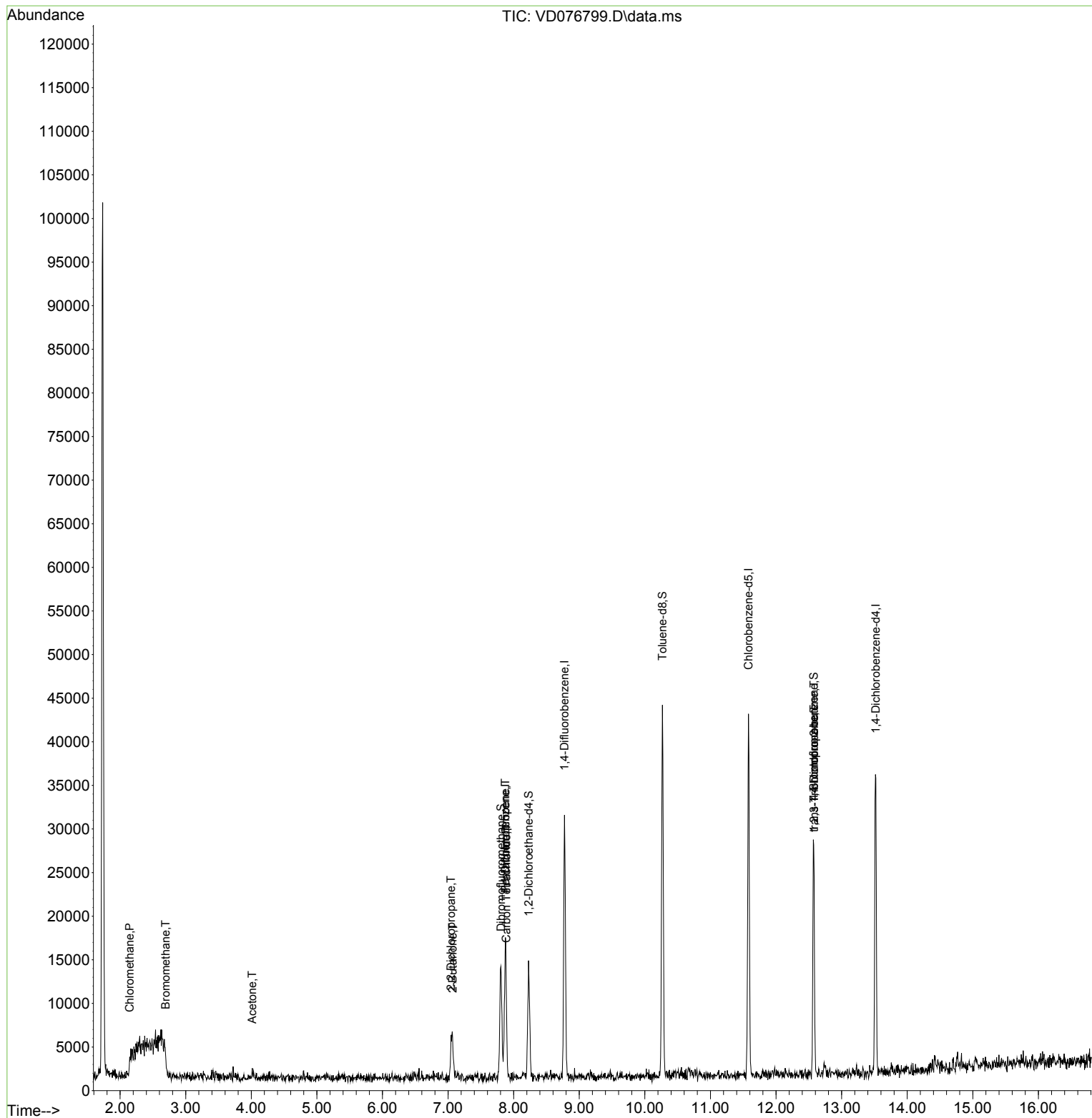
Internal Standards						
1) Pentafluorobenzene	7.875	168	12390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	25572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	24538	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	9656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	9342	75.700	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.400%	
35) Dibromofluoromethane	7.810	113	9629	59.920	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.840%	
50) Toluene-d8	10.269	98	30017	52.215	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.440%	
62) 4-Bromofluorobenzene	12.575	95	9360	50.330	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	200	1.197	ug/l #	41
5) Bromomethane	2.693	94	582	3.175	ug/l #	60
16) Acetone	4.016	43	1170	39.698	ug/l	93
20) Methylene Chloride	4.793	84	397	Below Cal	#	62
25) 2-Butanone	7.069	43	61	1.546	ug/l #	37
26) 2,2-Dichloropropane	7.046	77	227	1.026	ug/l #	49
36) 1,1-Dichloropropene	7.875	75	1128	5.372	ug/l #	39
38) Carbon Tetrachloride	7.887	117	1247	6.202	ug/l #	11
76) 1,2,3-Trichloropropane	12.581	75	4914	53.513	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.581	75	4914	113.890	ug/l #	17

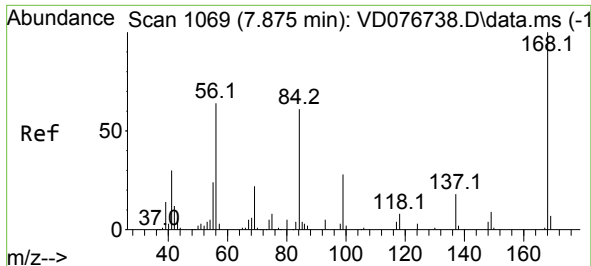
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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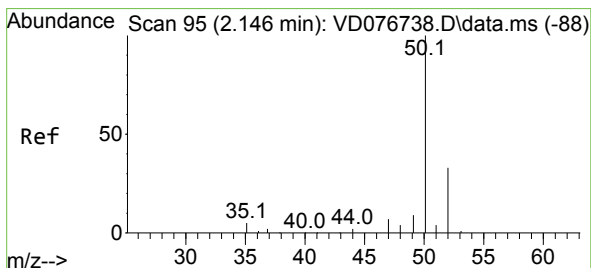
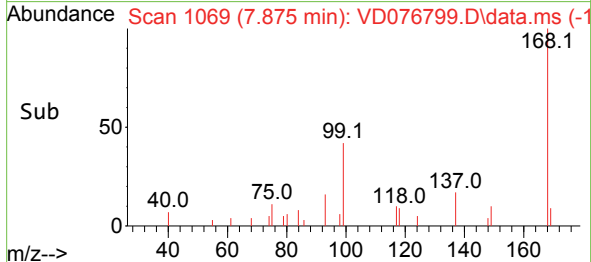
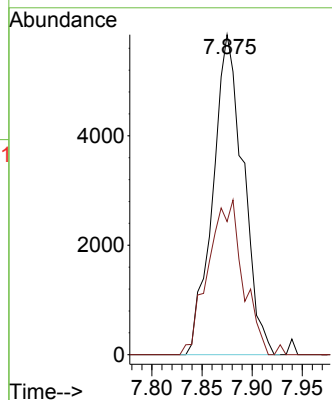
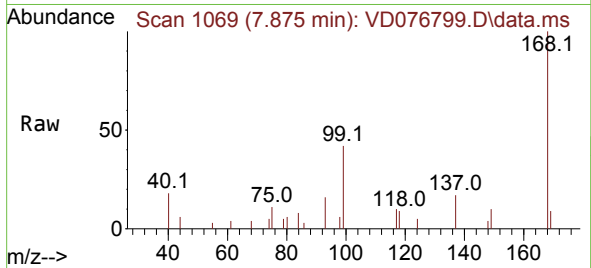




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076799.D
Acq: 19 Jul 2023 19:10

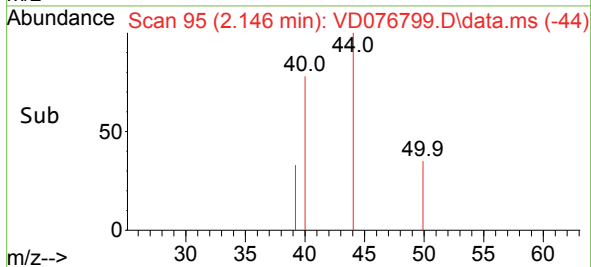
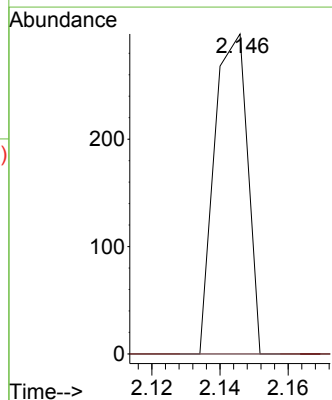
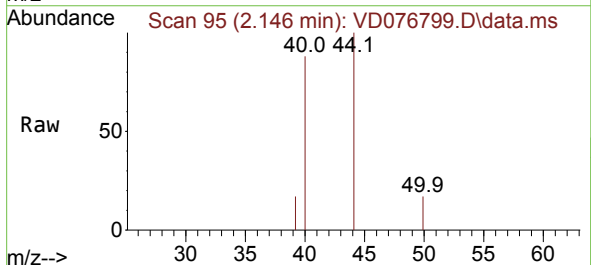
Instrument :
MSVOA_D
ClientSampleId :
BERGENSWITCH-COMP1RE

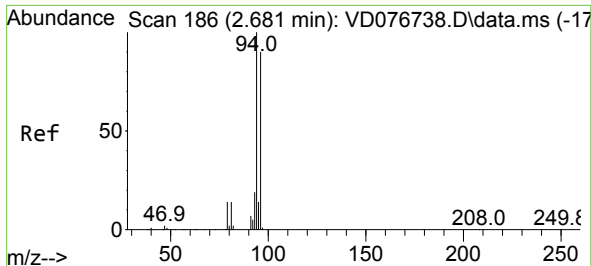
Tgt Ion:168 Resp: 12390
Ion Ratio Lower Upper
168 100
99 41.6 36.7 55.1



#3
Chloromethane
Concen: 1.197 ug/l
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076799.D
Acq: 19 Jul 2023 19:10

Tgt Ion: 50 Resp: 200
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

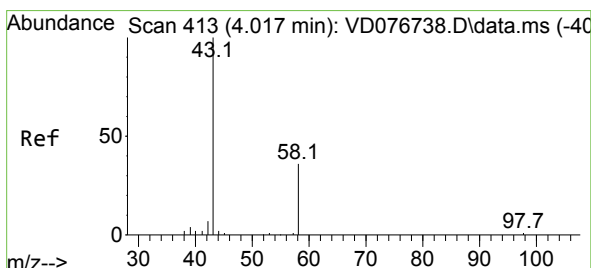
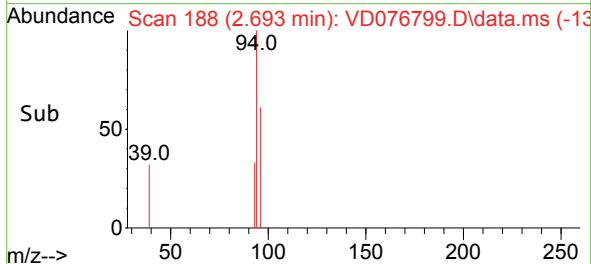
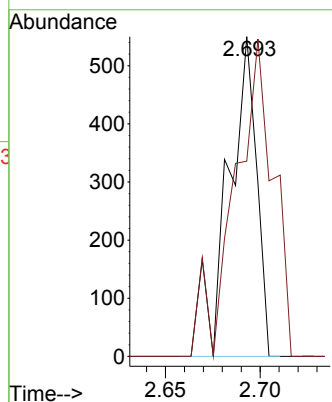
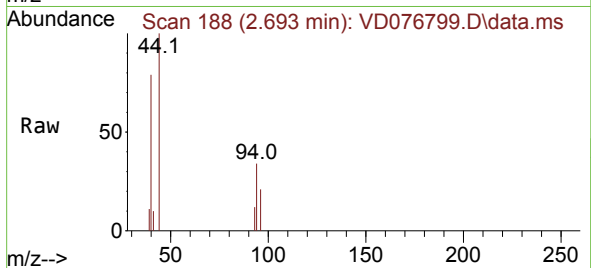




#5
Bromomethane
Concen: 3.175 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD076799.D
Acq: 19 Jul 2023 19:10

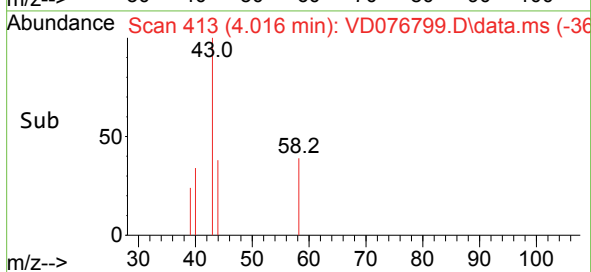
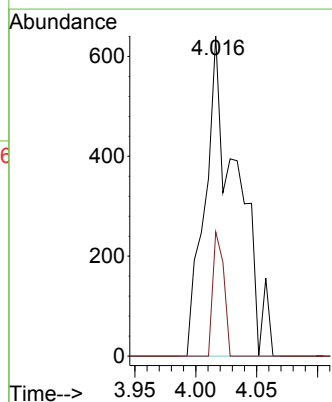
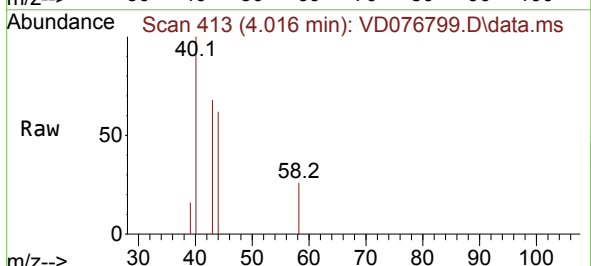
Instrument :
MSVOA_D
ClientSampleId :
BERGENSWITCH-COMP1RE

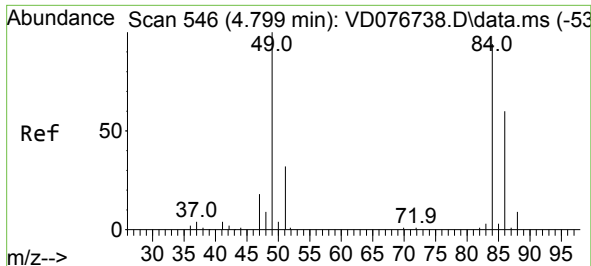
Tgt Ion: 94 Resp: 582
Ion Ratio Lower Upper
94 100
96 133.5 75.8 113.8#



#16
Acetone
Concen: 39.698 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.001 min
Lab File: VD076799.D
Acq: 19 Jul 2023 19:10

Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
58 38.8 34.7 52.1

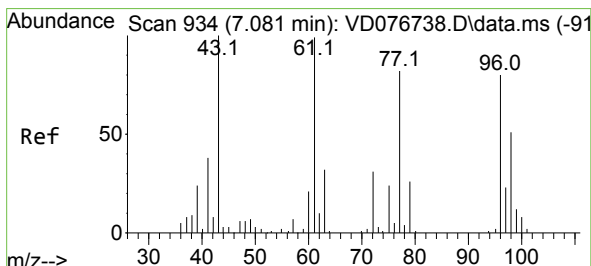
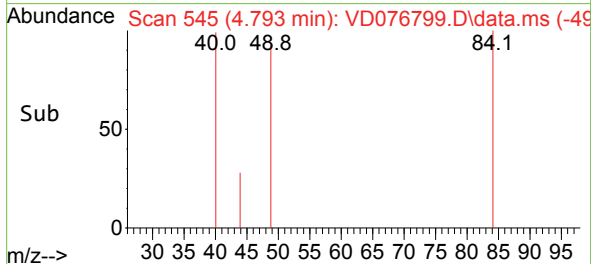
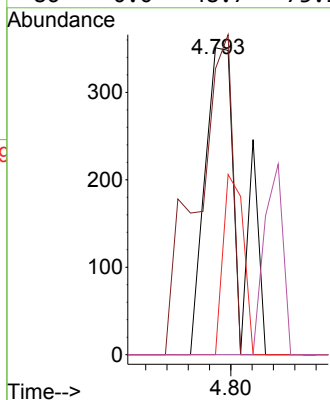
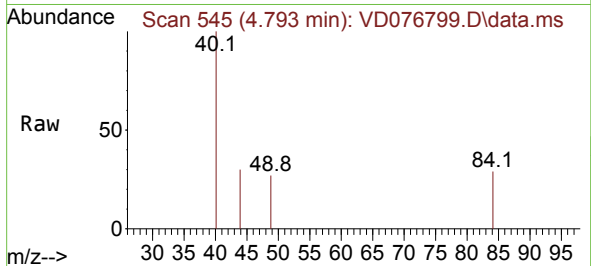




#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD076799.D
Acq: 19 Jul 2023 19:10

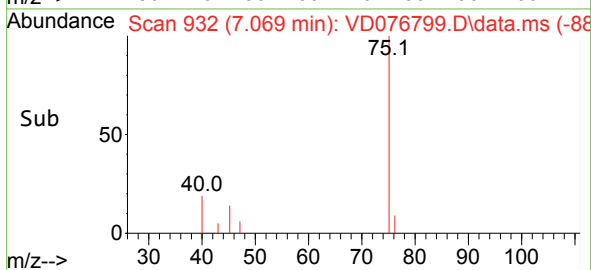
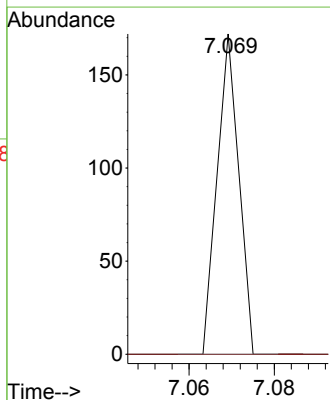
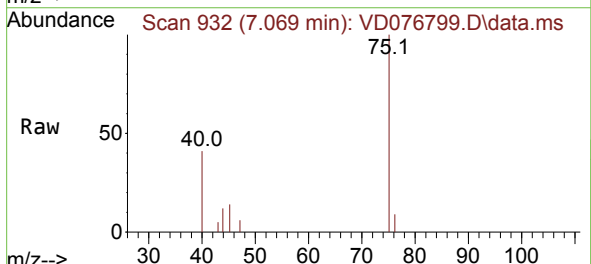
Instrument :
MSVOA_D
ClientSampleId :
BERGENSWITCH-COMP1RE

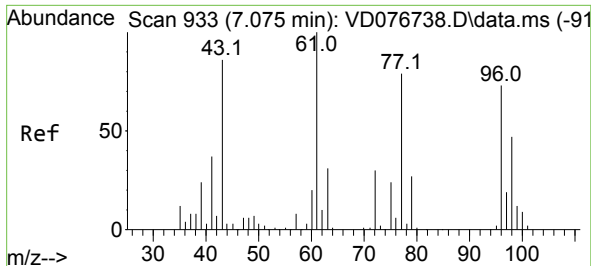
Tgt Ion: 84	Resp: 397
Ion Ratio	Lower Upper
84	100
49	93.2 71.4 107.2
51	0.0 24.5 36.7#
86	0.0 48.7 73.1#



#25
2-Butanone
Concen: 1.546 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD076799.D
Acq: 19 Jul 2023 19:10

Tgt Ion: 43	Resp: 61
Ion Ratio	Lower Upper
43	100
72	0.0 30.7 46.1#

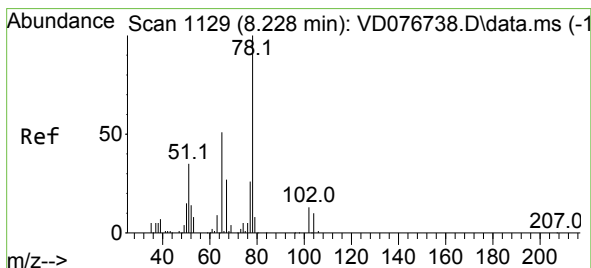
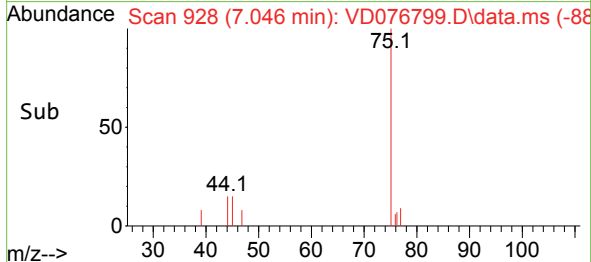
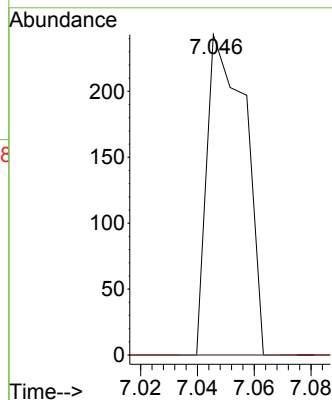
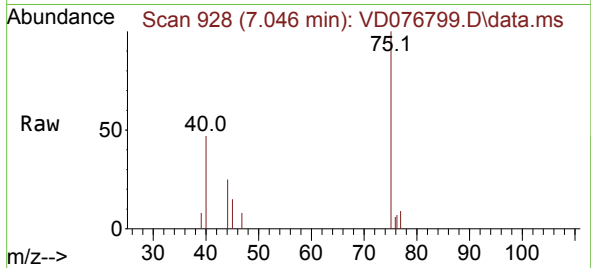




#26
2,2-Dichloropropane
Concen: 1.026 ug/l
RT: 7.046 min Scan# 91
Delta R.T. -0.029 min
Lab File: VD076799.D
Acq: 19 Jul 2023 19:10

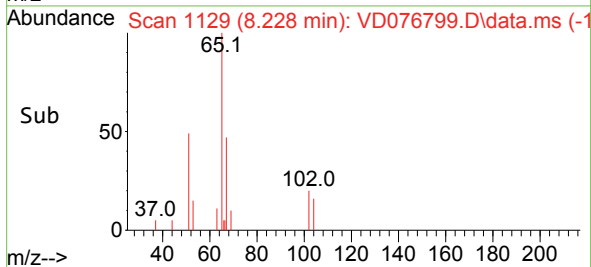
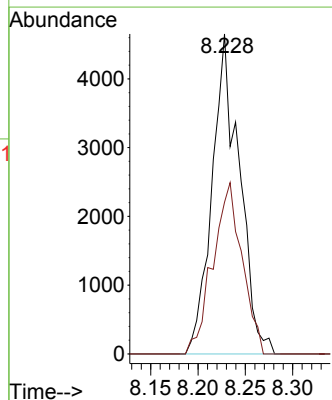
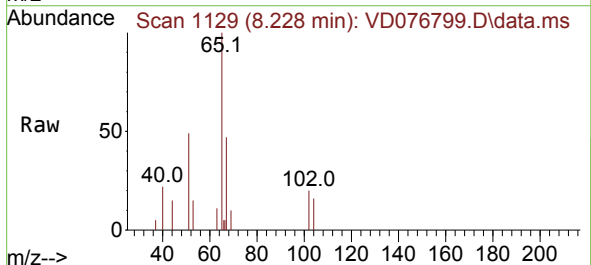
Instrument :
MSVOA_D
ClientSampleId :
BERGENSWITCH-COMP1RE

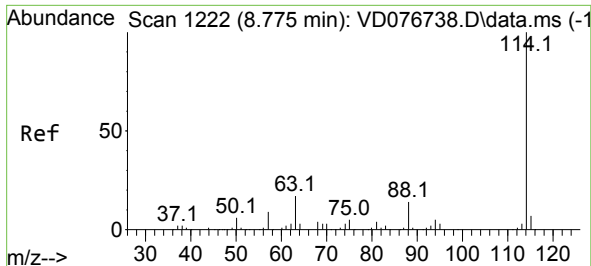
Tgt Ion: 77 Resp: 227
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#33
1,2-Dichloroethane-d4
Concen: 75.700 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076799.D
Acq: 19 Jul 2023 19:10

Tgt Ion: 65 Resp: 9342
Ion Ratio Lower Upper
65 100
67 57.4 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076799.D

Acq: 19 Jul 2023 19:10

Instrument :

MSVOA_D

ClientSampleId :

BERGENSWITCH-COMP1RE

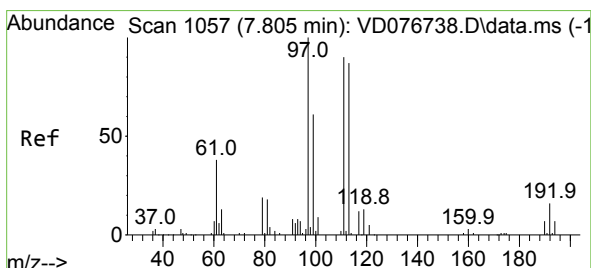
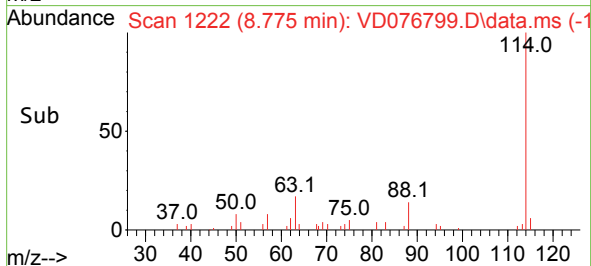
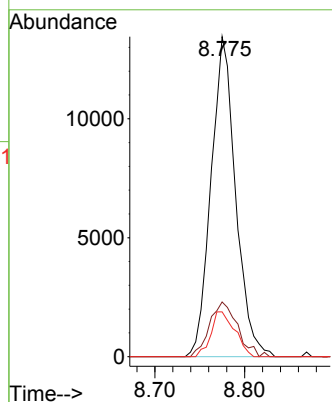
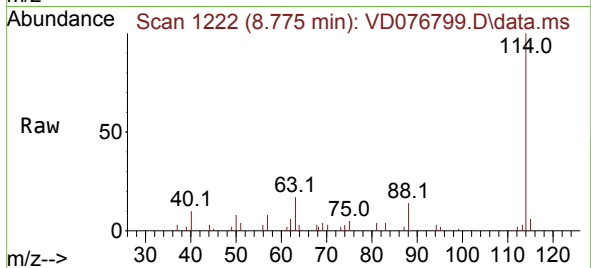
Tgt Ion:114 Resp: 25572

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.4

88 14.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 59.920 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD076799.D

Acq: 19 Jul 2023 19:10

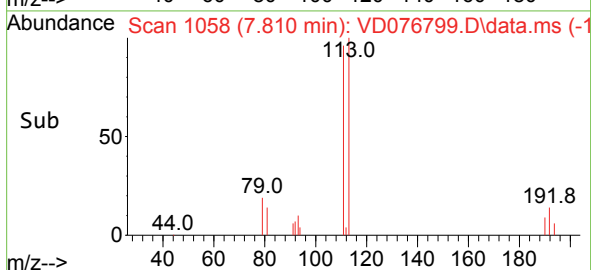
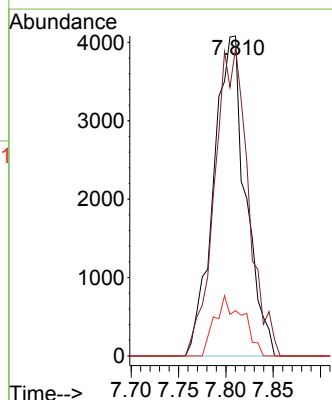
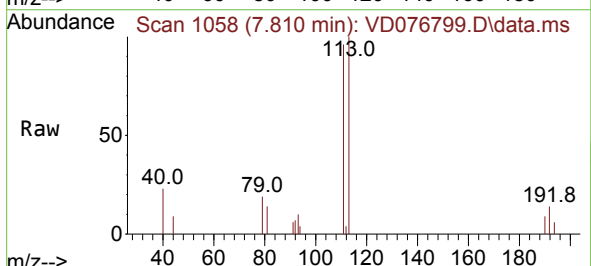
Tgt Ion:113 Resp: 9629

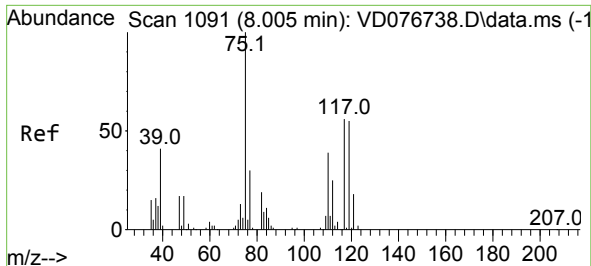
Ion Ratio Lower Upper

113 100

111 101.7 84.7 127.1

192 16.5 16.8 25.2#





#36

1,1-Dichloropropene

Concen: 5.372 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076799.D

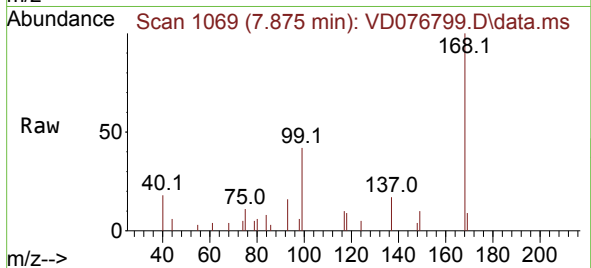
Acq: 19 Jul 2023 19:10

Instrument :

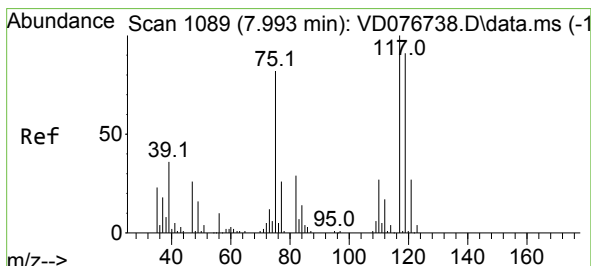
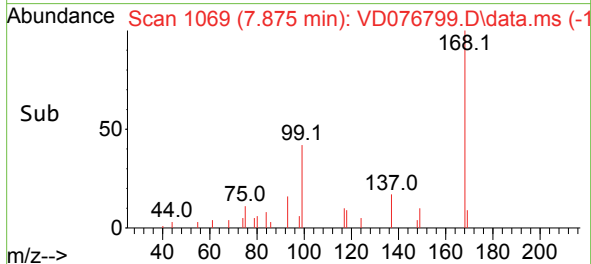
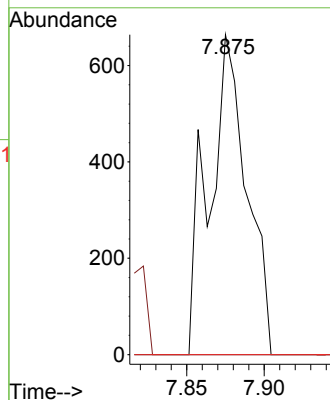
MSVOA_D

ClientSampleId :

BERGENSWITCH-COMP1RE



Tgt Ion: 75	Resp:	1128
Ion Ratio	Lower	Upper
75	100	
110	0.0	19.9 59.6#
77	0.0	24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.202 ug/l

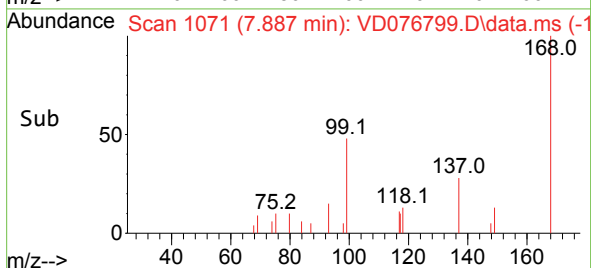
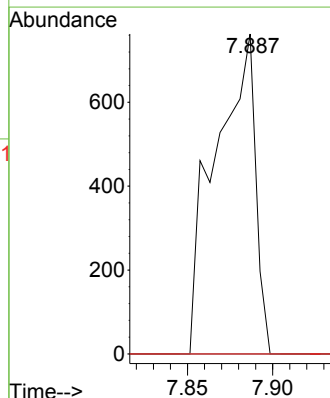
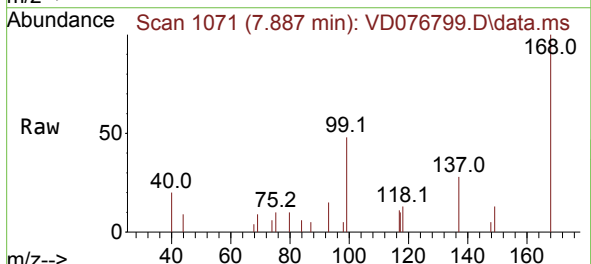
RT: 7.887 min Scan# 1071

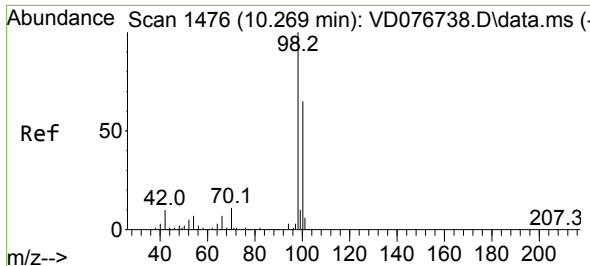
Delta R.T. -0.106 min

Lab File: VD076799.D

Acq: 19 Jul 2023 19:10

Tgt Ion: 117	Resp:	1247
Ion Ratio	Lower	Upper
117	100	
119	0.0	78.0 117.0#
121	0.0	24.2 36.2#

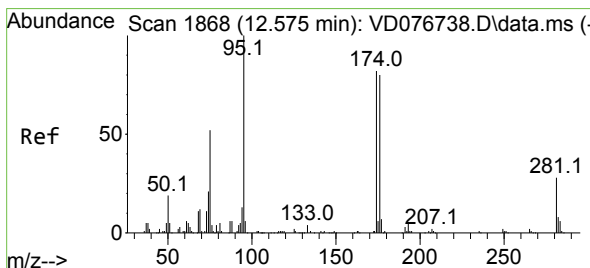
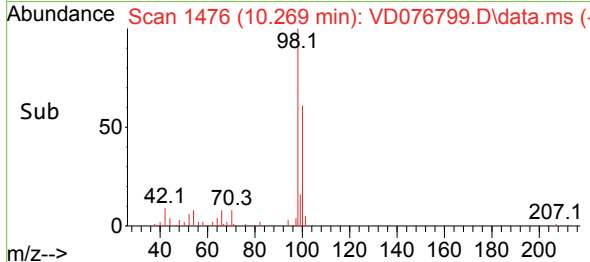
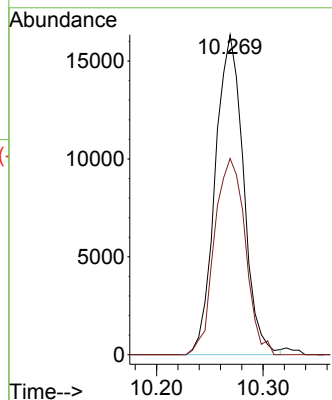
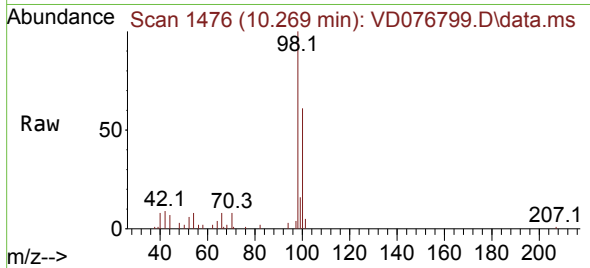




#50
Toluene-d8
Concen: 52.215 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076799.D
Acq: 19 Jul 2023 19:10

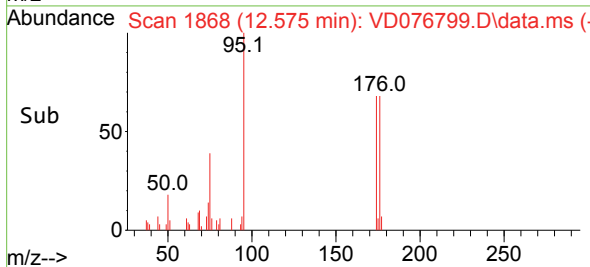
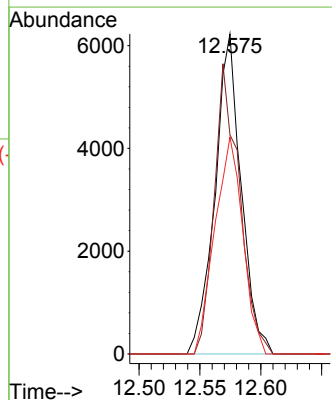
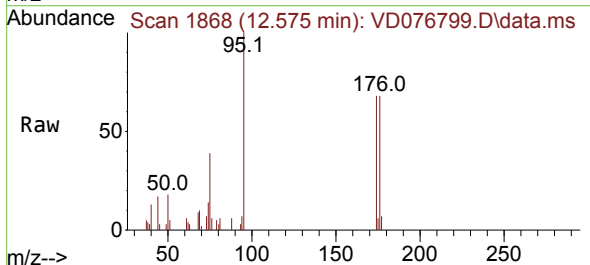
Instrument :
MSVOA_D
ClientSampleId :
BERGENSWITCH-COMP1RE

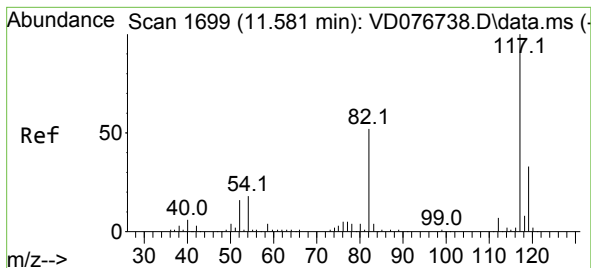
Tgt Ion: 98 Resp: 30017
Ion Ratio Lower Upper
98 100
100 67.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 50.330 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076799.D
Acq: 19 Jul 2023 19:10

Tgt Ion: 95 Resp: 9360
Ion Ratio Lower Upper
95 100
174 86.7 0.0 201.8
176 72.1 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076799.D

Acq: 19 Jul 2023 19:10

Instrument :

MSVOA_D

ClientSampleId :

BERGENSWITCH-COMP1RE

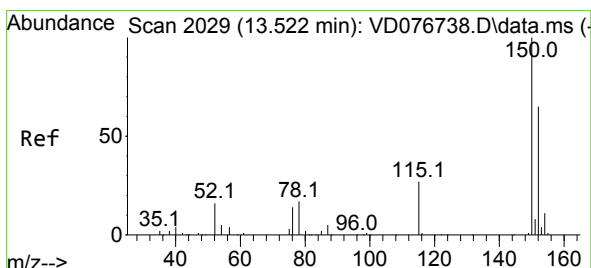
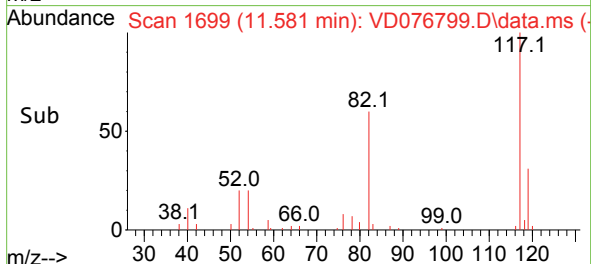
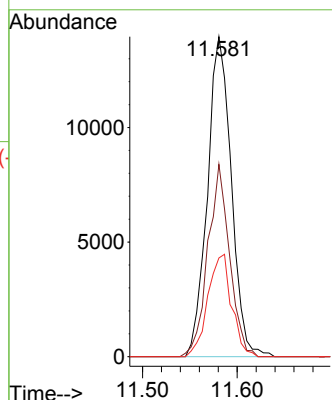
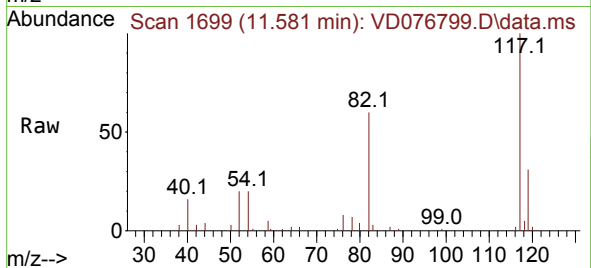
Tgt Ion:117 Resp: 24538

Ion Ratio Lower Upper

117 100

82 60.1 38.3 57.5#

119 30.8 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD076799.D

Acq: 19 Jul 2023 19:10

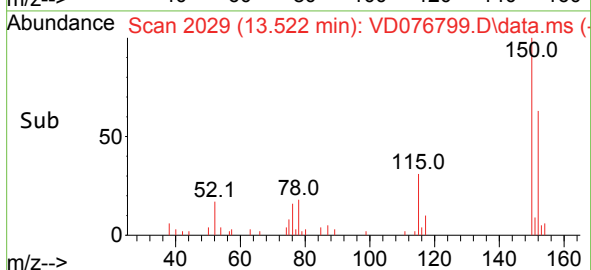
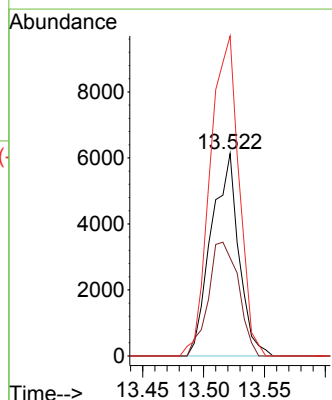
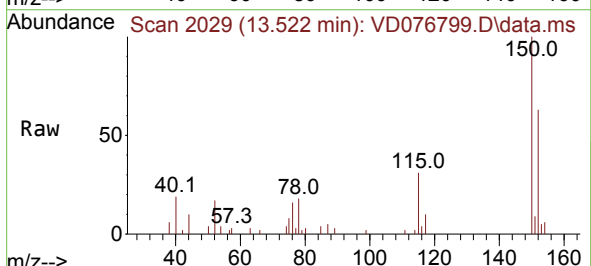
Tgt Ion:152 Resp: 9656

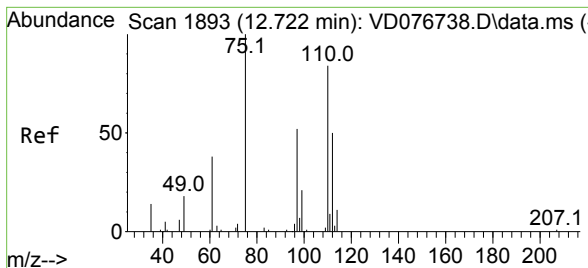
Ion Ratio Lower Upper

152 100

115 61.6 27.1 81.3

150 164.8 0.0 353.6

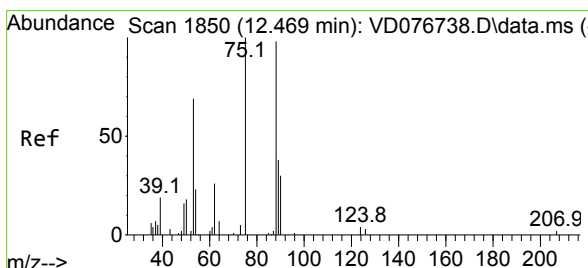
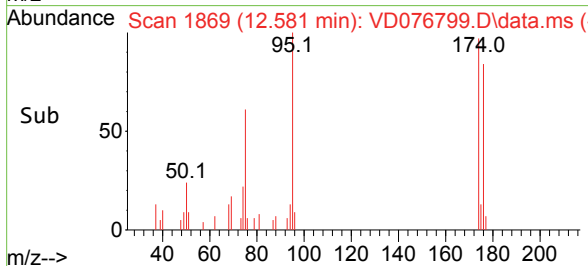
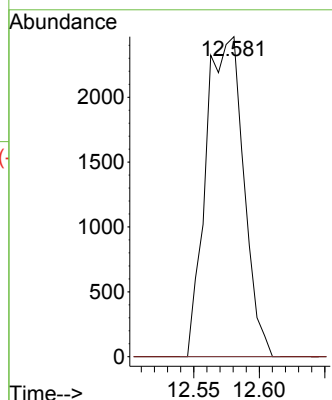
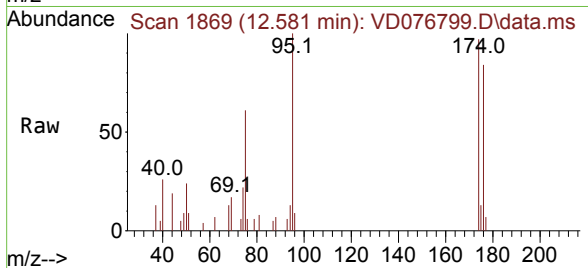




#76
1,2,3-Trichloropropane
Concen: 53.513 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. -0.141 min
Lab File: VD076799.D
Acq: 19 Jul 2023 19:10

Instrument :
MSVOA_D
ClientSampleId :
BERGENSWITCH-COMP1RE

Tgt Ion: 75 Resp: 4914
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 113.890 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. 0.112 min
Lab File: VD076799.D
Acq: 19 Jul 2023 19:10

Tgt Ion: 75 Resp: 4914
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

