

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076778.D
 Acq On : 18 Jul 2023 15:17
 Operator : KP/SY
 Sample : 03639-01
 Misc : 4.55G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP3

Quant Time: Jul 19 06:44:03 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)

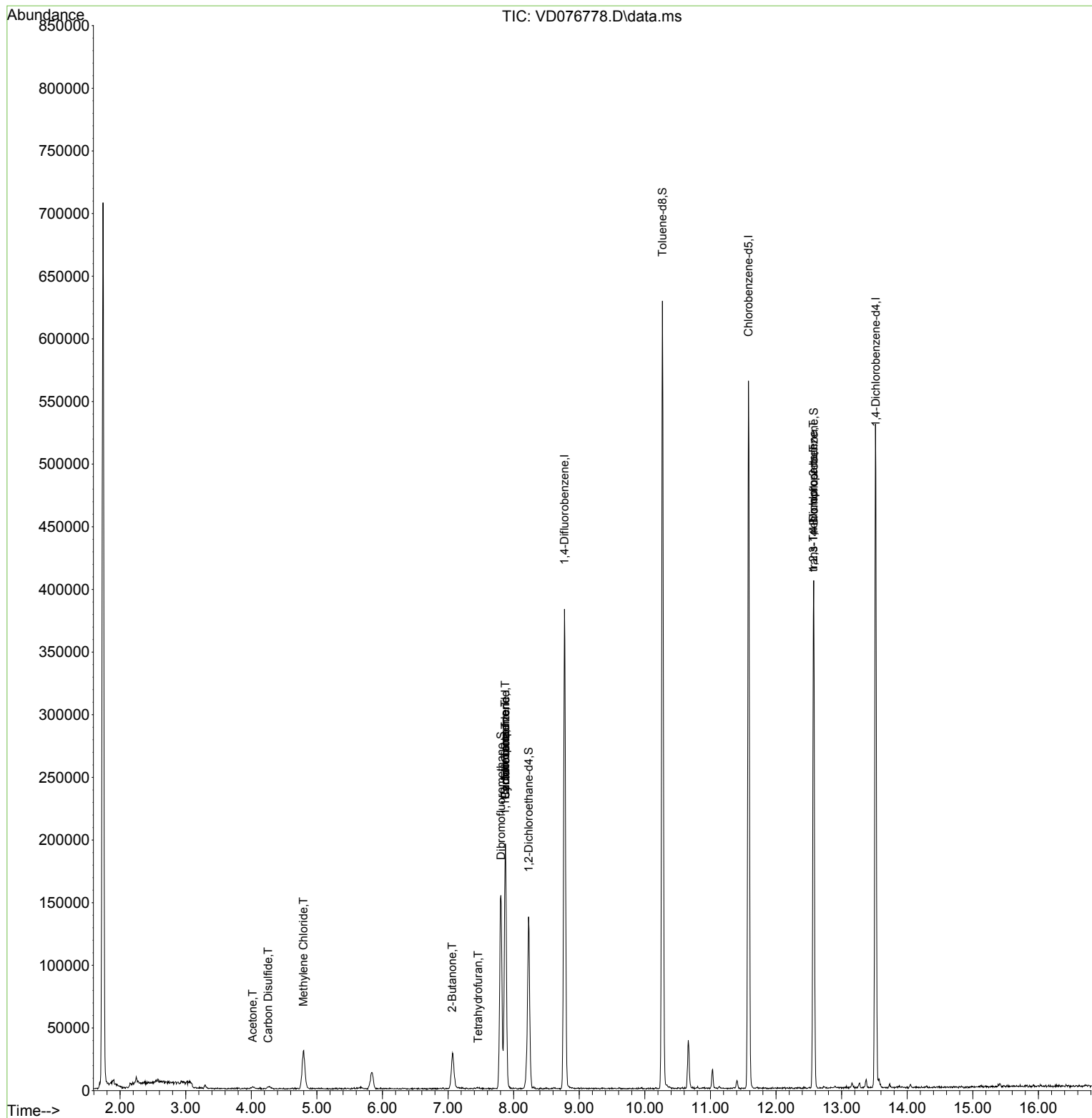
Internal Standards						
1) Pentafluorobenzene	7.875	168	149881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	347660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	328580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	138284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	97576	65.362	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.720%	
35) Dibromofluoromethane	7.810	113	118136	54.074	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.140%	
50) Toluene-d8	10.269	98	436822	55.891	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.780%	
62) 4-Bromofluorobenzene	12.575	95	125940	49.811	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.620%	
Target Compounds						Qvalue
16) Acetone	4.022	43	1965	5.512	ug/l #	84
17) Carbon Disulfide	4.257	76	3852	1.114	ug/l #	76
20) Methylene Chloride	4.793	84	24214	1.393	ug/l #	85
25) 2-Butanone	7.063	43	1255	2.630	ug/l #	37
29) Tetrahydrofuran	7.457	42	581	2.061	ug/l #	50
31) Cyclohexane	7.875	56	3403	1.549	ug/l #	67
36) 1,1-Dichloropropene	7.869	75	12472	4.369	ug/l #	48
38) Carbon Tetrachloride	7.875	117	15437	5.647	ug/l #	16
76) 1,2,3-Trichloropropane	12.569	75	64960	49.397	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	64960	105.129	ug/l #	17

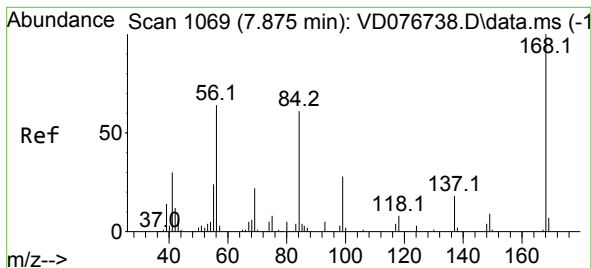
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076778.D

Acq: 18 Jul 2023 15:17

Instrument :

MSVOA_D

ClientSampleId :

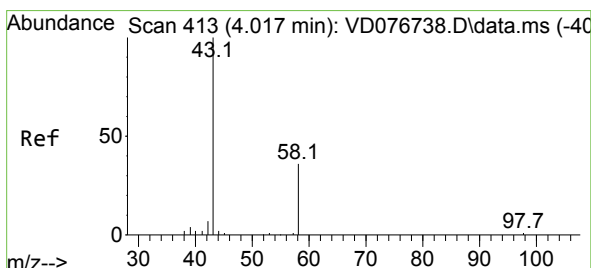
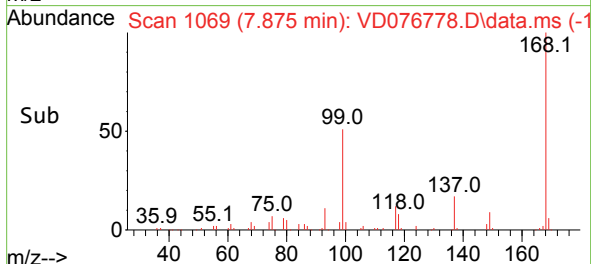
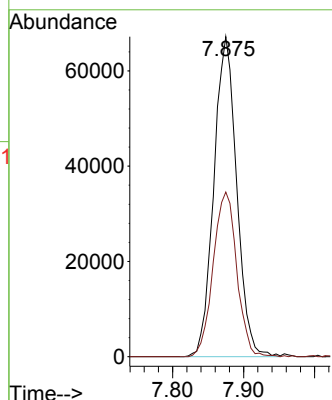
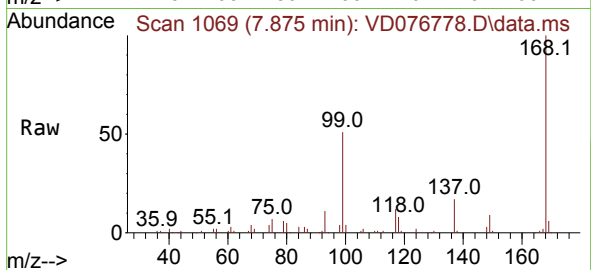
TP3

Tgt Ion:168 Resp: 149881

Ion Ratio Lower Upper

168 100

99 51.4 36.7 55.1



#16

Acetone

Concen: 5.512 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.005 min

Lab File: VD076778.D

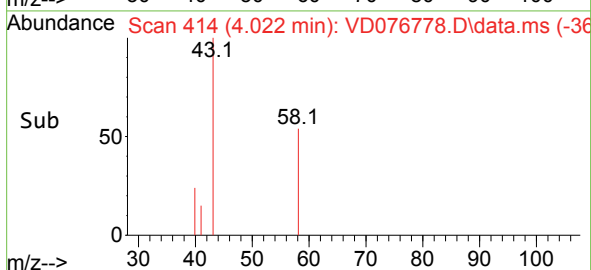
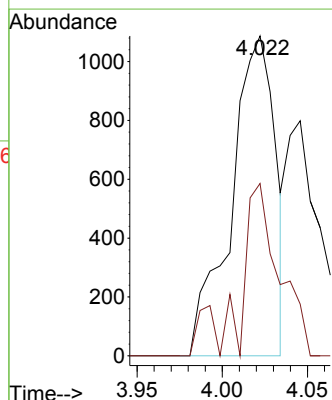
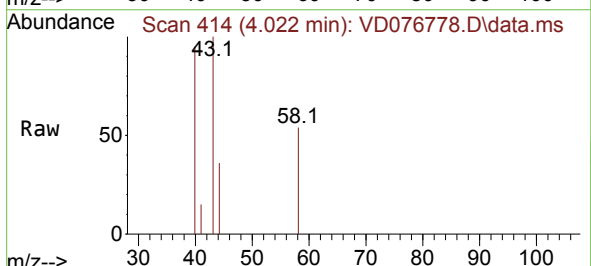
Acq: 18 Jul 2023 15:17

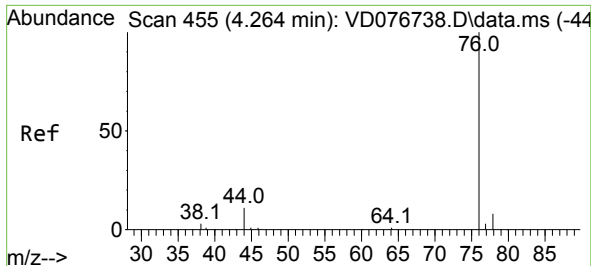
Tgt Ion: 43 Resp: 1965

Ion Ratio Lower Upper

43 100

58 53.9 34.7 52.1#

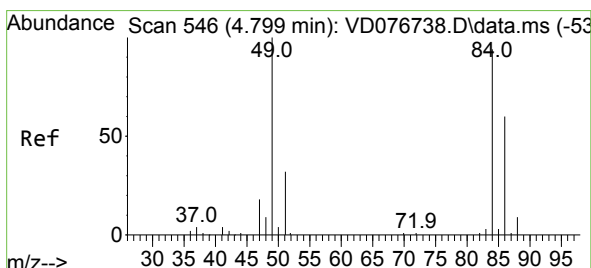
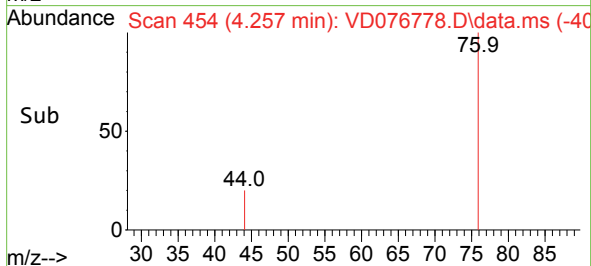
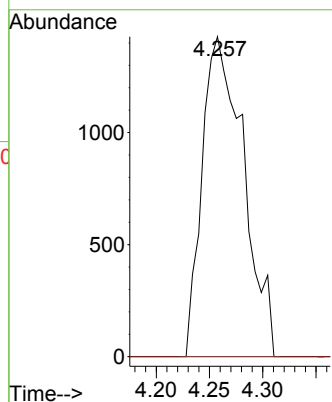
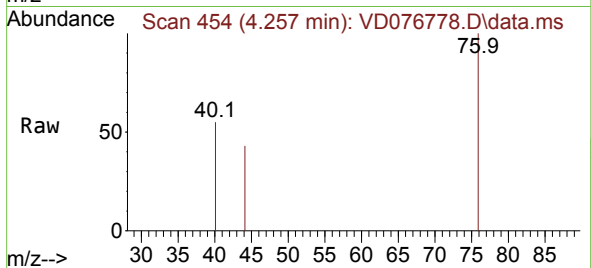




#17
Carbon Disulfide
Concen: 1.114 ug/l
RT: 4.257 min Scan# 41
Delta R.T. -0.007 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

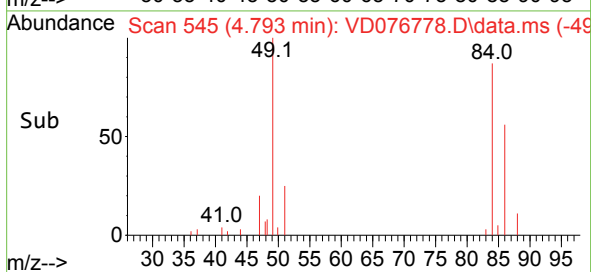
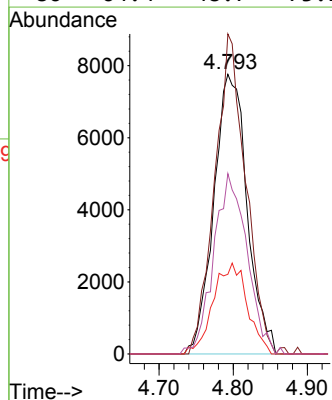
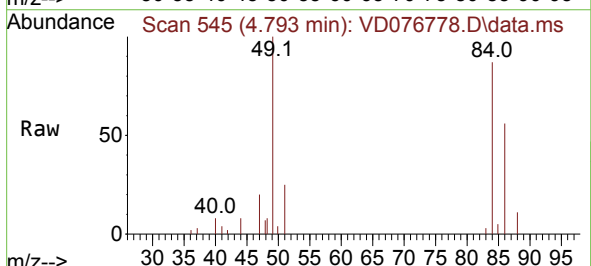
Instrument :
MSVOA_D
ClientSampleId :
TP3

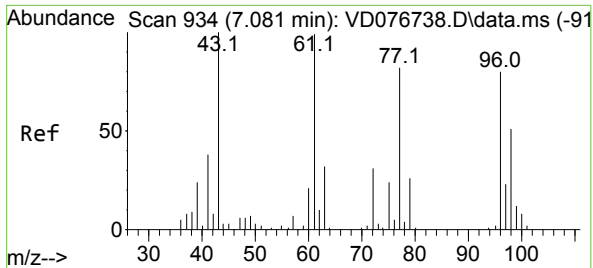
Tgt Ion: 76 Resp: 3852
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 1.393 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

Tgt Ion: 84 Resp: 24214
Ion Ratio Lower Upper
84 100
49 114.4 71.4 107.2#
51 28.5 24.5 36.7
86 64.4 48.7 73.1





#25

2-Butanone

Concen: 2.630 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.018 min

Lab File: VD076778.D

Acq: 18 Jul 2023 15:17

Instrument :

MSVOA_D

ClientSampleId :

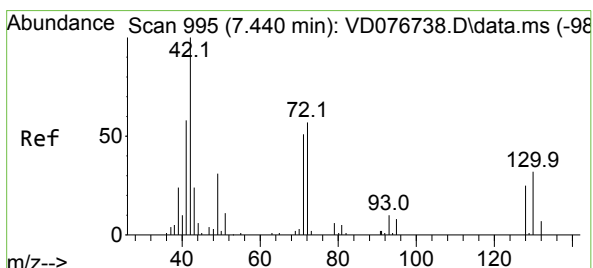
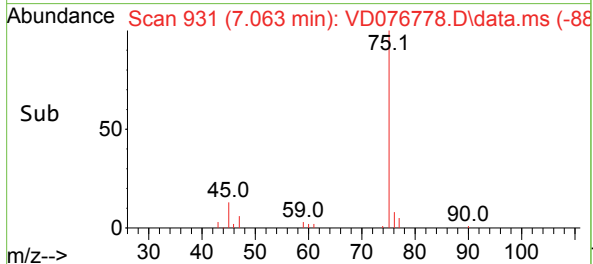
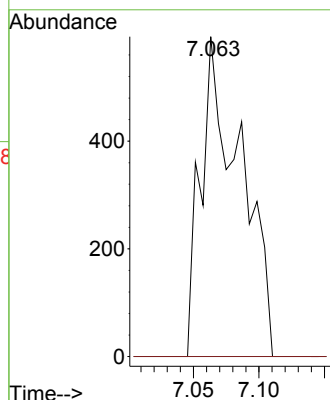
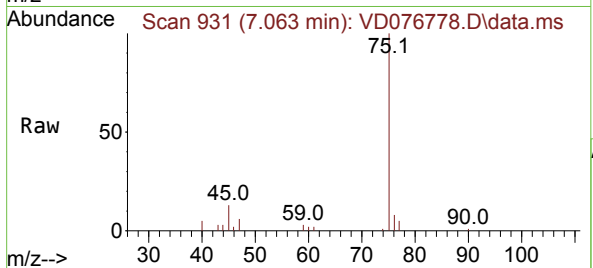
TP3

Tgt Ion: 43 Resp: 1255

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#29

Tetrahydrofuran

Concen: 2.061 ug/l

RT: 7.457 min Scan# 998

Delta R.T. 0.017 min

Lab File: VD076778.D

Acq: 18 Jul 2023 15:17

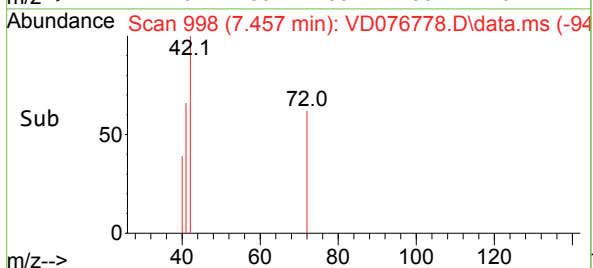
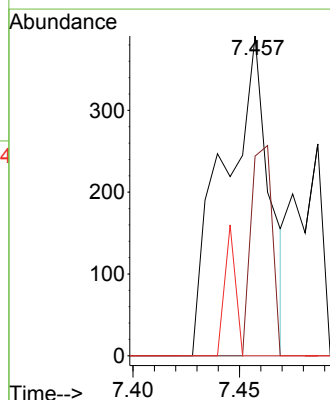
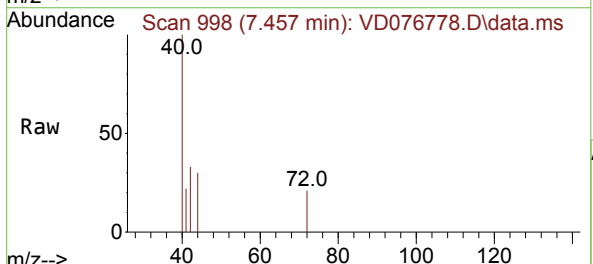
Tgt Ion: 42 Resp: 581

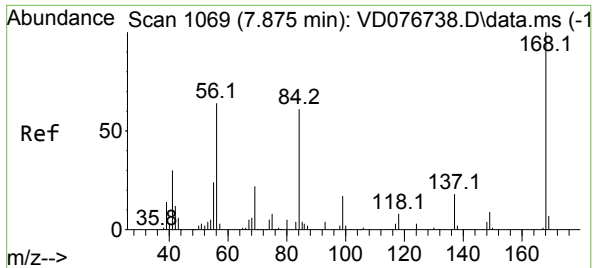
Ion Ratio Lower Upper

42 100

72 30.5 46.5 69.7#

71 9.6 44.5 66.7#

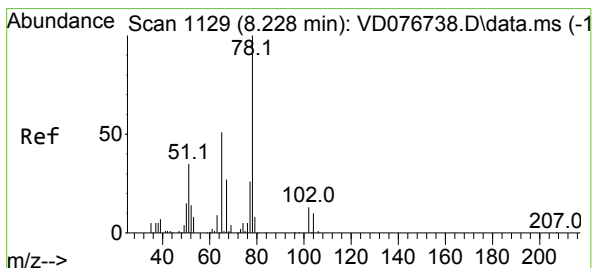
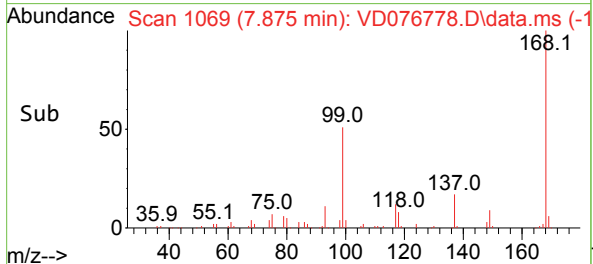
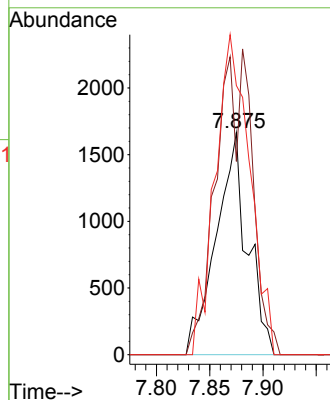
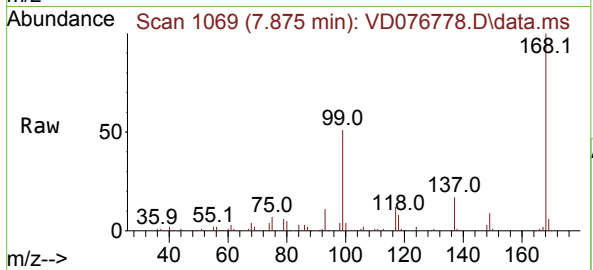




#31
Cyclohexane
Concen: 1.549 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

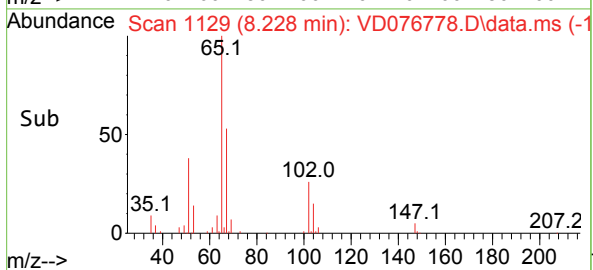
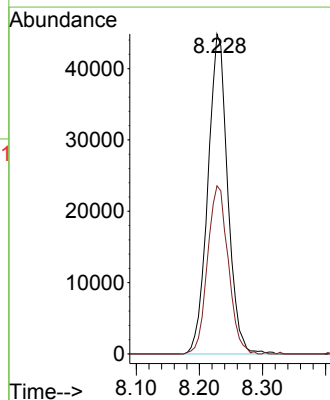
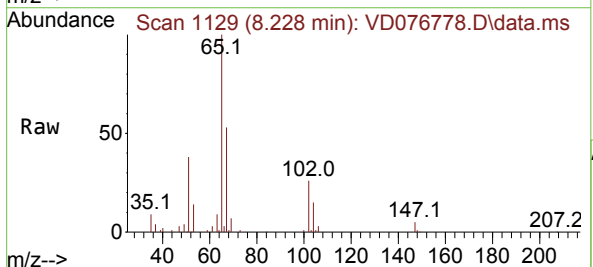
Instrument :
MSVOA_D
ClientSampleId :
TP3

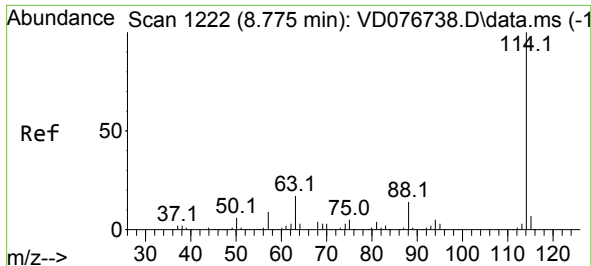
Tgt Ion: 56 Resp: 3403
Ion Ratio Lower Upper
56 100
69 87.1 28.6 43.0#
84 121.3 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 65.362 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

Tgt Ion: 65 Resp: 97576
Ion Ratio Lower Upper
65 100
67 55.0 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: VD076778.D

Acq: 18 Jul 2023 15:17

Instrument :

MSVOA_D

ClientSampleId :

TP3

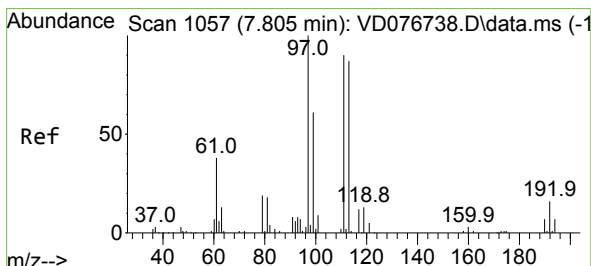
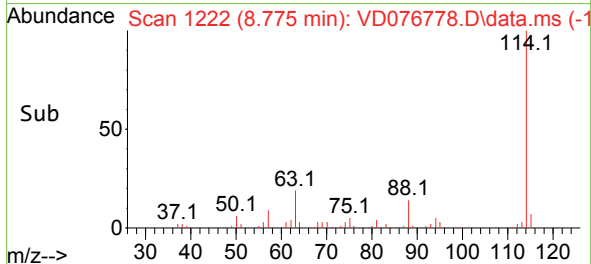
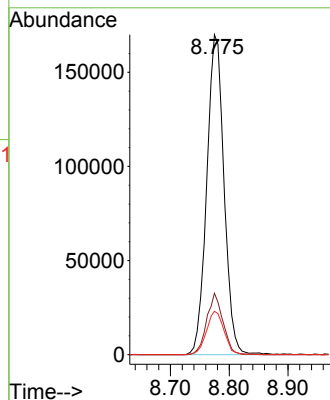
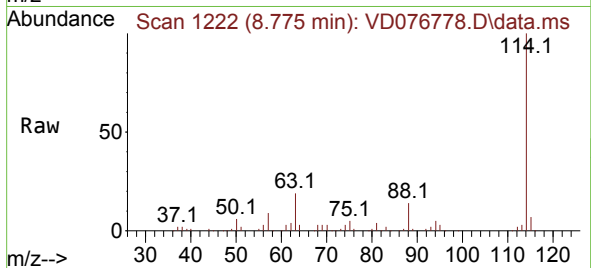
Tgt Ion:114 Resp: 347660

Ion Ratio Lower Upper

114 100

63 19.2 0.0 33.4

88 13.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 54.074 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD076778.D

Acq: 18 Jul 2023 15:17

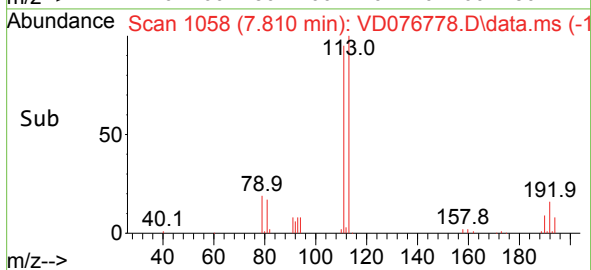
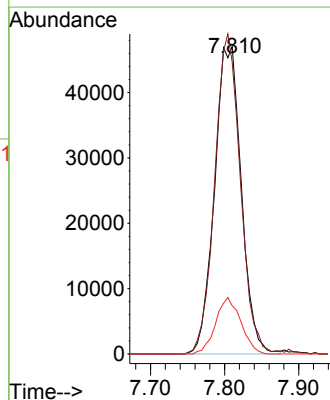
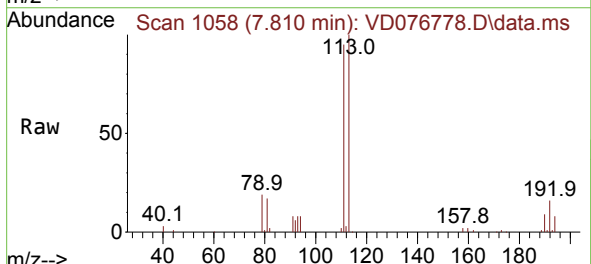
Tgt Ion:113 Resp: 118136

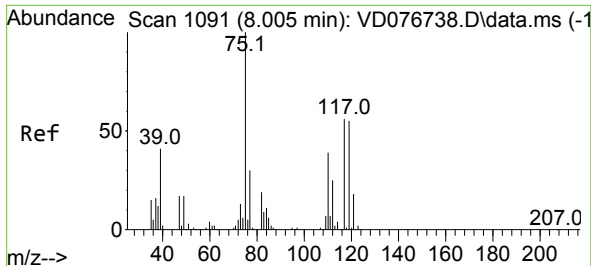
Ion Ratio Lower Upper

113 100

111 99.5 84.7 127.1

192 17.3 16.8 25.2

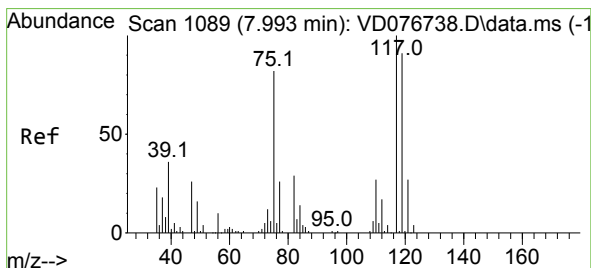
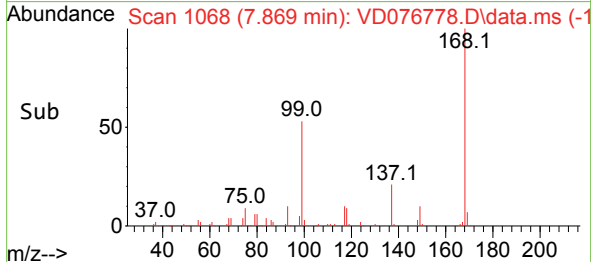
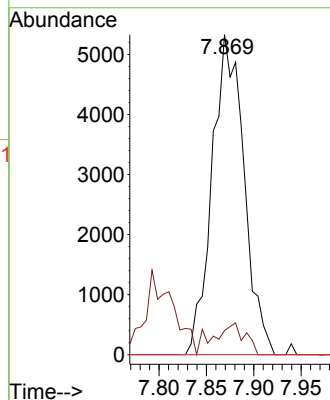
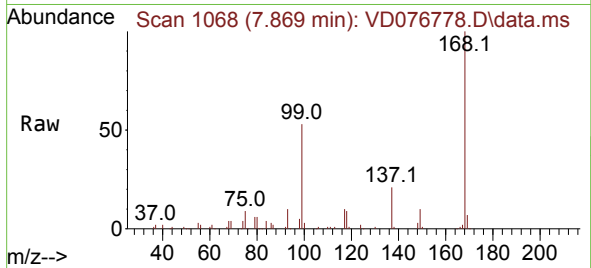




#36
1,1-Dichloropropene
Concen: 4.369 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

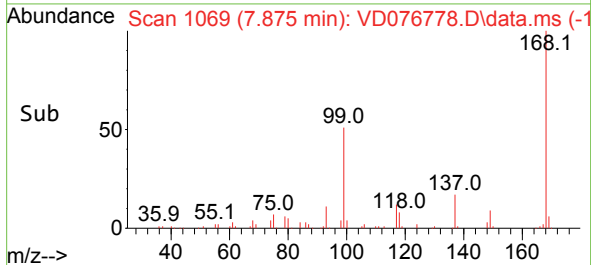
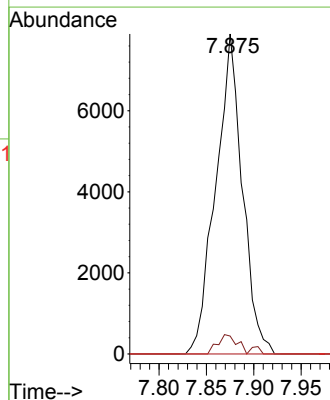
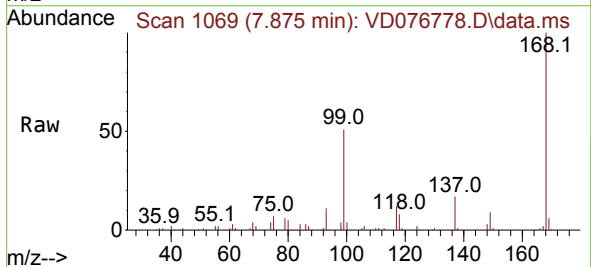
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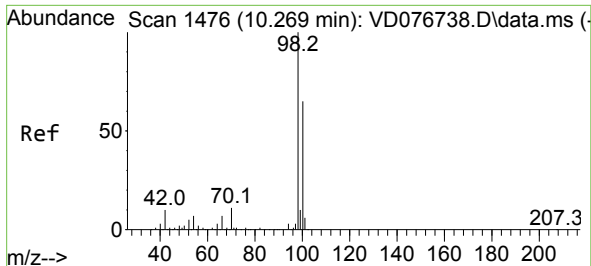
Tgt Ion: 75 Resp: 12472
Ion Ratio Lower Upper
75 100
110 9.7 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.647 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

Tgt Ion: 117 Resp: 15437
Ion Ratio Lower Upper
117 100
119 5.6 78.0 117.0#
121 0.0 24.2 36.2#

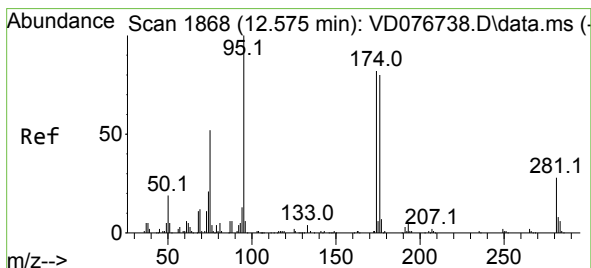
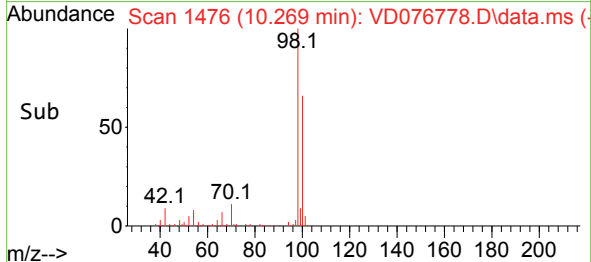
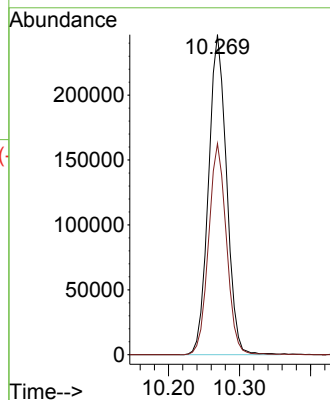
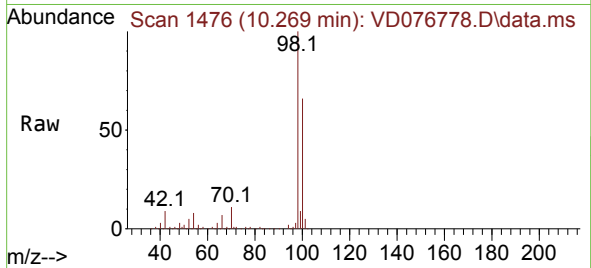




#50
Toluene-d8
Concen: 55.891 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

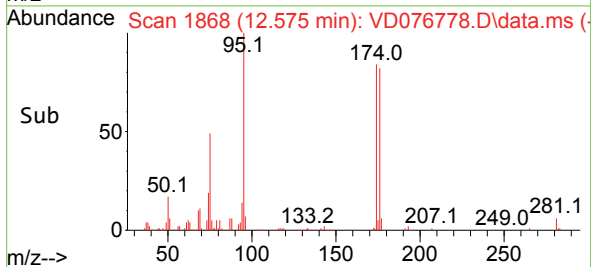
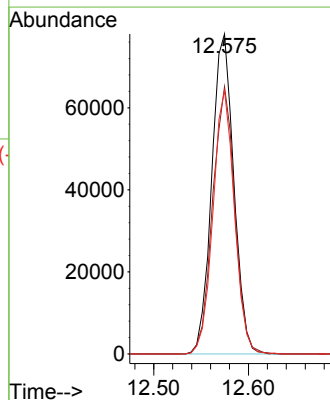
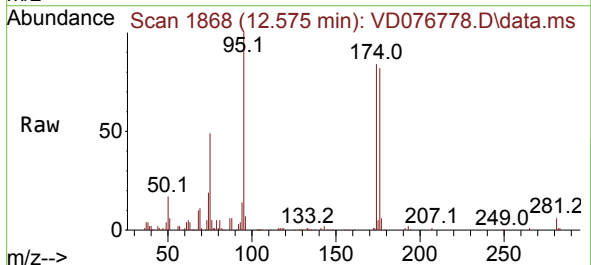
Instrument :
MSVOA_D
ClientSampleId :
TP3

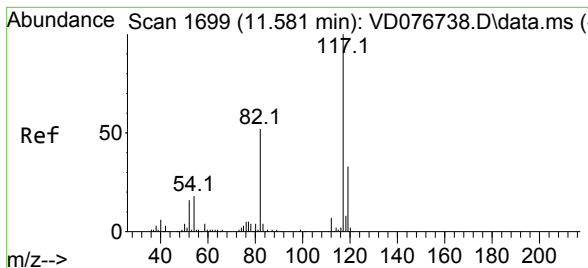
Tgt Ion: 98 Resp: 436822
Ion Ratio Lower Upper
98 100
100 64.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 49.811 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

Tgt Ion: 95 Resp: 125940
Ion Ratio Lower Upper
95 100
174 83.7 0.0 201.8
176 80.1 0.0 191.8

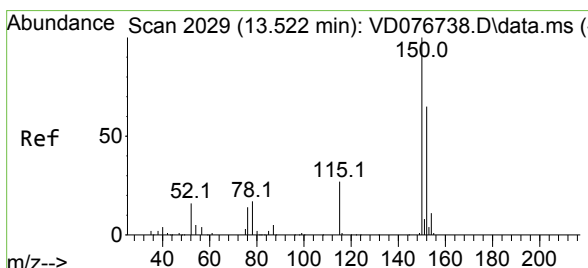
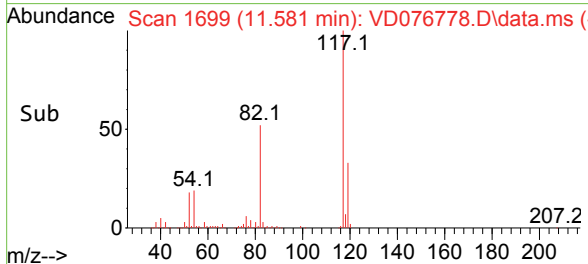
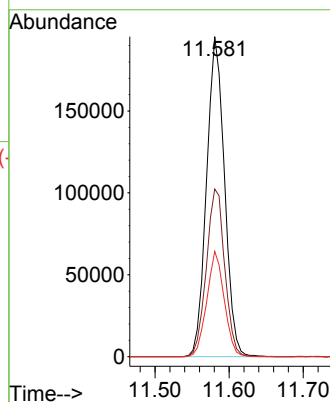
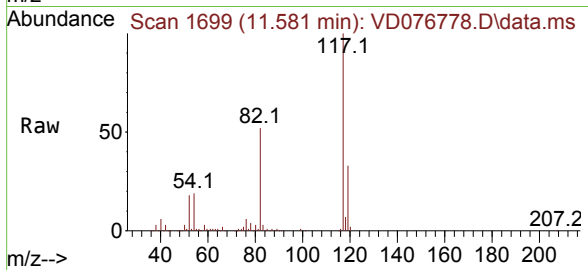




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

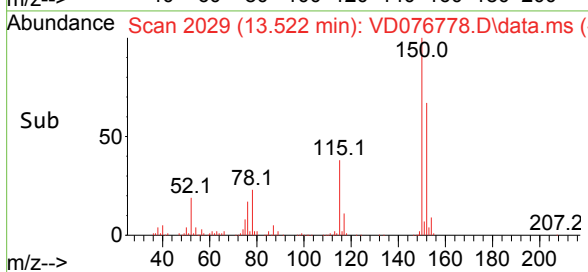
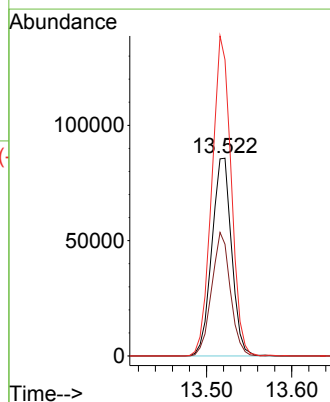
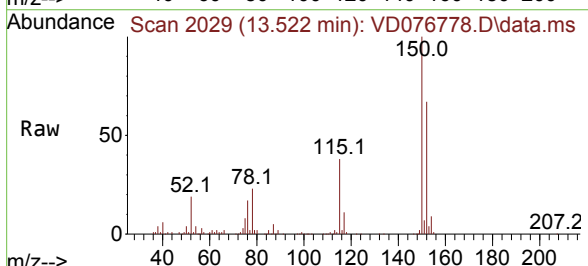
Instrument :
MSVOA_D
ClientSampleId :
TP3

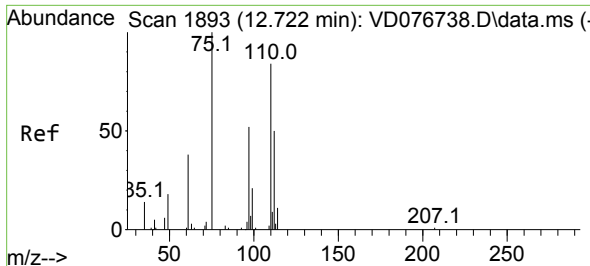
Tgt Ion:117 Resp: 328580
Ion Ratio Lower Upper
117 100
82 52.4 38.3 57.5
119 32.9 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

Tgt Ion:152 Resp: 138284
Ion Ratio Lower Upper
152 100
115 59.1 27.1 81.3
150 157.5 0.0 353.6

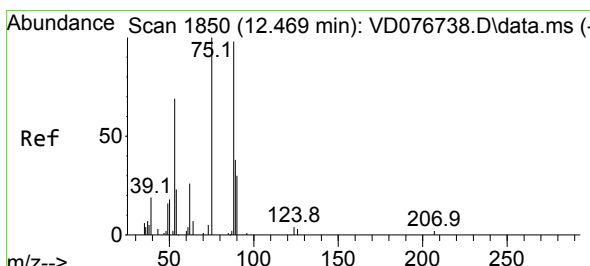
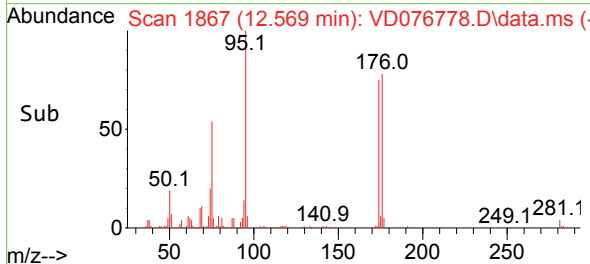
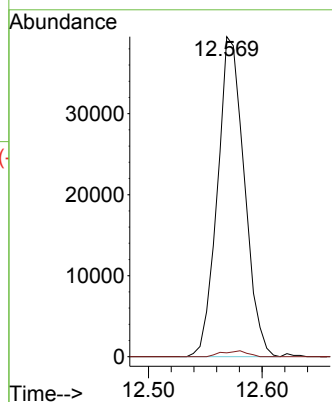
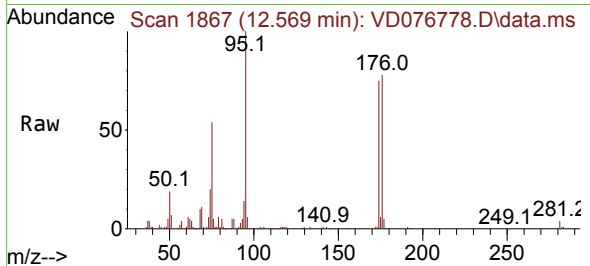




#76
1,2,3-Trichloropropane
Concen: 49.397 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

Instrument :
MSVOA_D
ClientSampleId :
TP3

Tgt Ion: 75 Resp: 64960
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.129 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD076778.D
Acq: 18 Jul 2023 15:17

Tgt Ion: 75 Resp: 64960
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

