

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072623\
 Data File : VD076816.D
 Acq On : 26 Jul 2023 20:06
 Operator : KP/SY
 Sample : 03769-13
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 04:26:52 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)

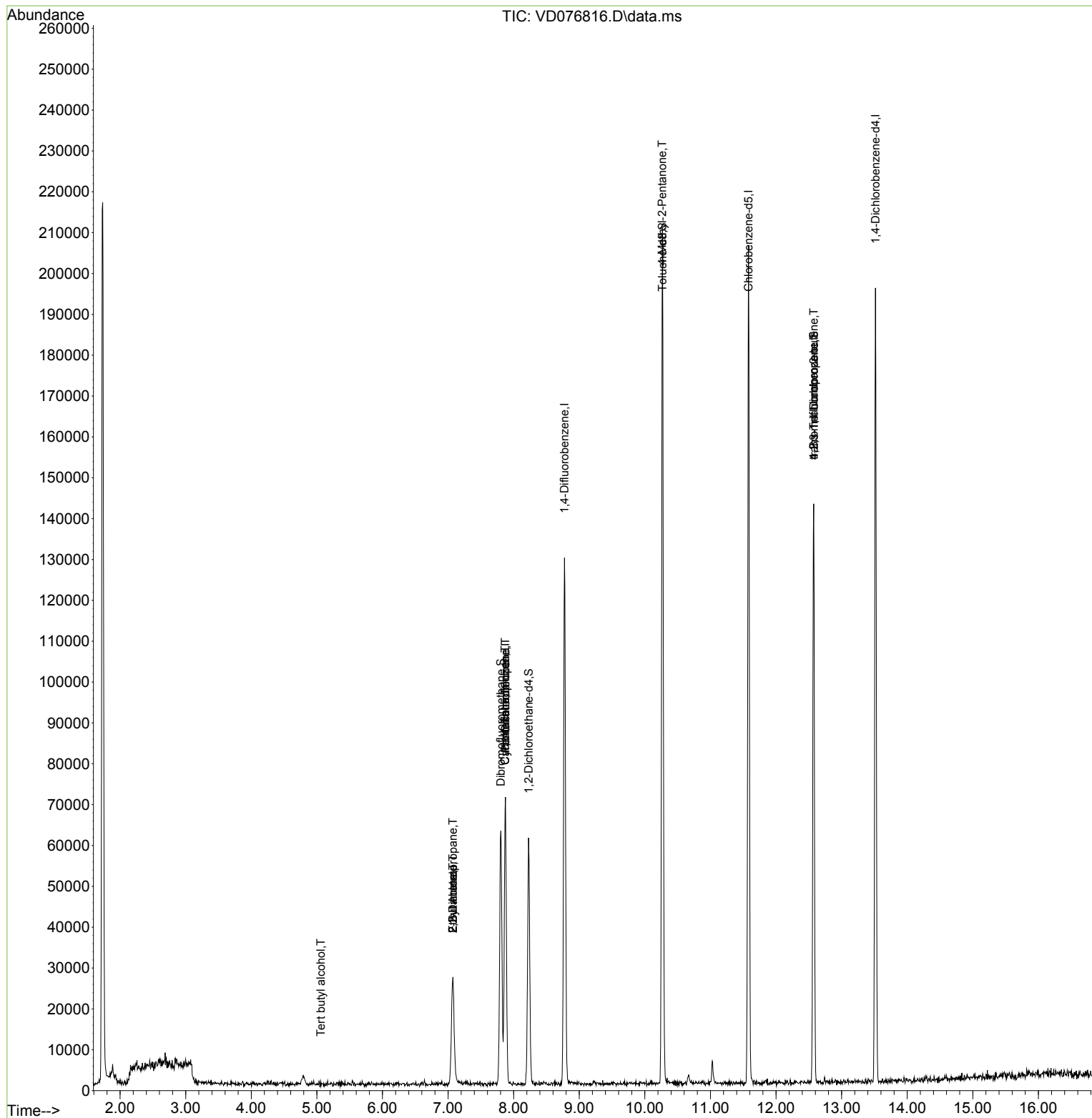
Internal Standards						
1) Pentafluorobenzene	7.875	168	55247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	119214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	120636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	52678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	45156	82.060	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.120%#	
35) Dibromofluoromethane	7.804	113	46176	61.638	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.280%	
50) Toluene-d8	10.269	98	146004	54.479	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.960%	
62) 4-Bromofluorobenzene	12.575	95	44458	51.279	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.057	59	67	1.632	ug/l #	73
20) Methylene Chloride	4.787	84	1216	Below Cal	#	89
25) 2-Butanone	7.075	43	1143	6.499	ug/l #	37
26) 2,2-Dichloropropane	7.075	77	2005	2.031	ug/l #	49
31) Cyclohexane	7.869	56	1182	1.460	ug/l #	54
36) 1,1-Dichloropropene	7.875	75	4172	4.262	ug/l #	44
37) Ethyl Acetate	7.075	43	1143	2.611	ug/l #	1
38) Carbon Tetrachloride	7.869	117	5501	5.869	ug/l #	11
51) 4-Methyl-2-Pentanone	10.263	43	648	1.424	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	24988	49.880	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	24988	106.158	ug/l #	17

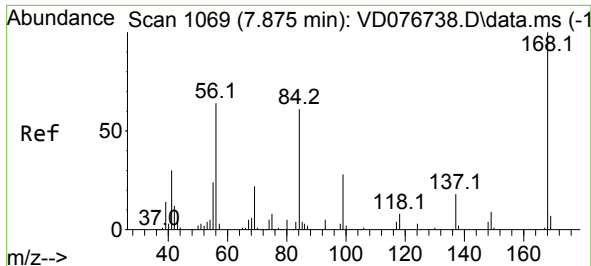
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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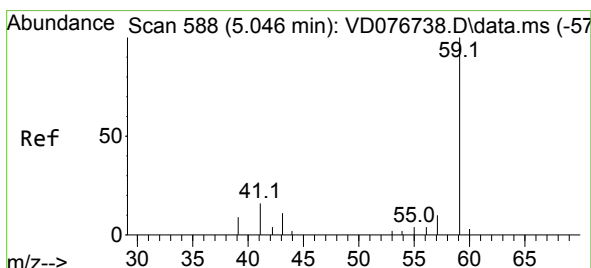
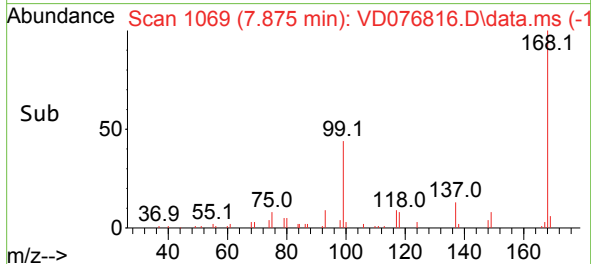
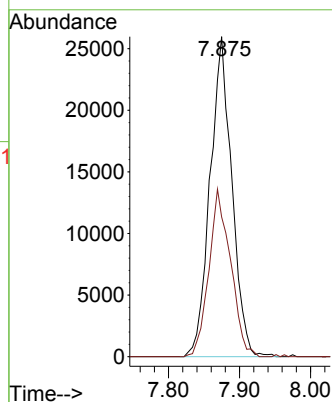
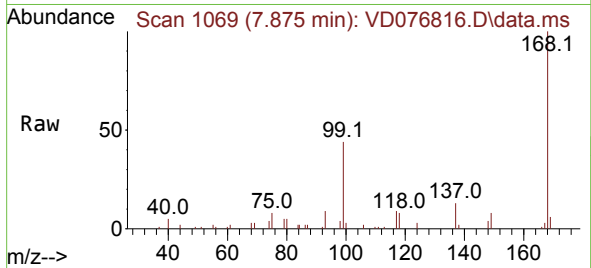




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076816.D
Acq: 26 Jul 2023 20:06

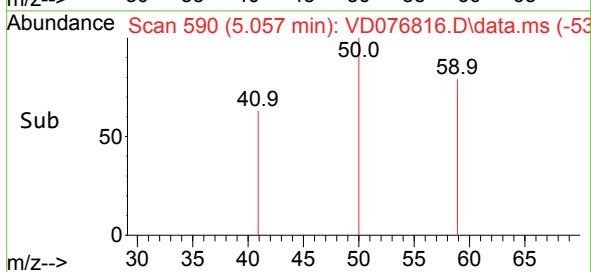
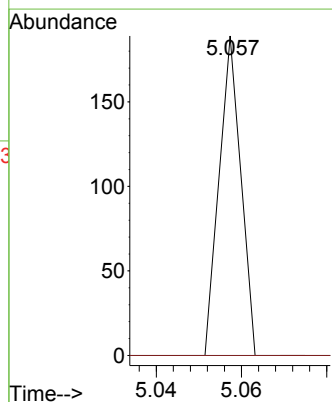
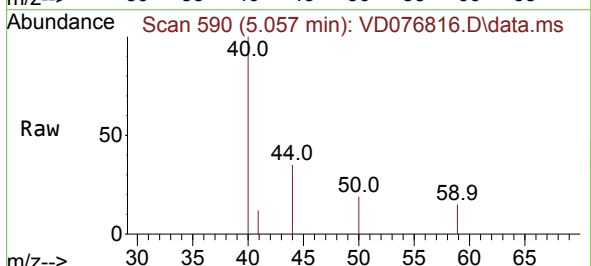
Instrument :
MSVOA_D
ClientSampleId :

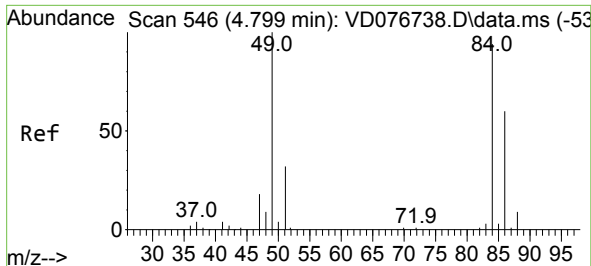
Tgt Ion:168 Resp: 55247
Ion Ratio Lower Upper
168 100
99 43.6 36.7 55.1



#11
Tert butyl alcohol
Concen: 1.632 ug/l
RT: 5.057 min Scan# 590
Delta R.T. 0.011 min
Lab File: VD076816.D
Acq: 26 Jul 2023 20:06

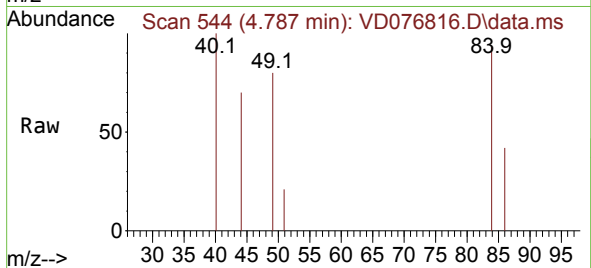
Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



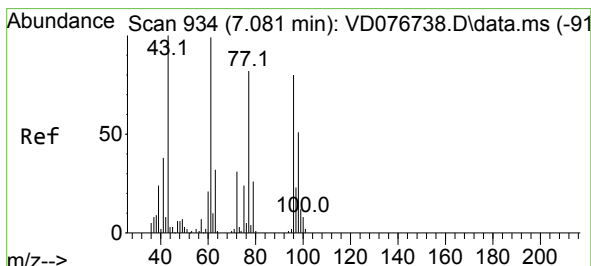
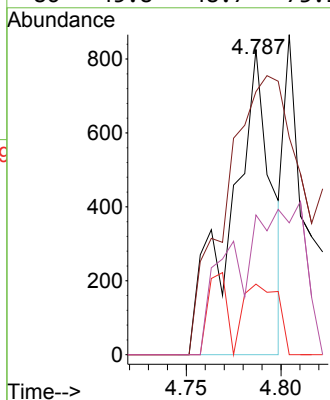
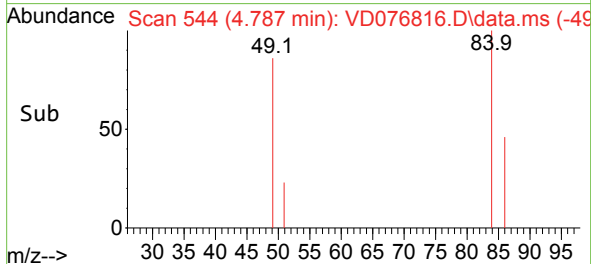


#20
Methylene Chloride
Concen: Below Cal
RT: 4.787 min Scan# 546
Delta R.T. -0.012 min
Lab File: VD076816.D
Acq: 26 Jul 2023 20:06

Instrument :
MSVOA_D
ClientSampleId :

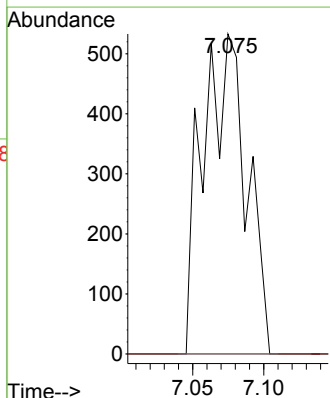
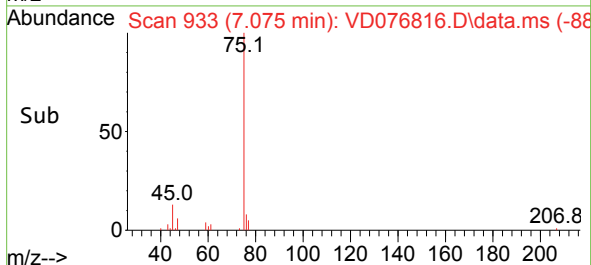
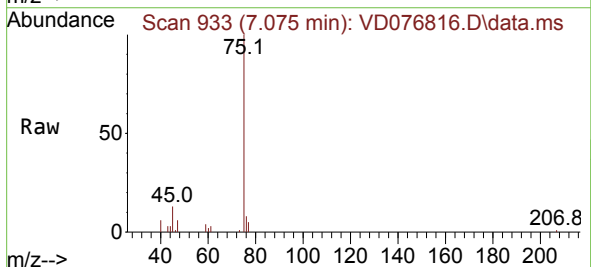


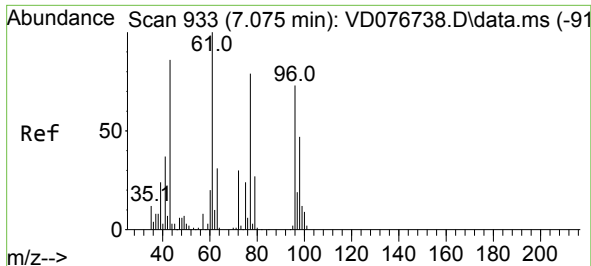
Tgt Ion: 84 Resp: 1216
Ion Ratio Lower Upper
84 100
49 86.2 71.4 107.2
51 23.1 24.5 36.7#
86 45.8 48.7 73.1#



#25
2-Butanone
Concen: 6.499 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076816.D
Acq: 26 Jul 2023 20:06

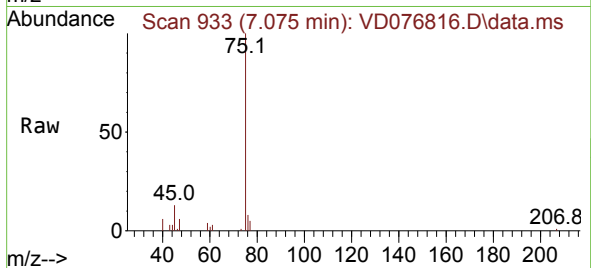
Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



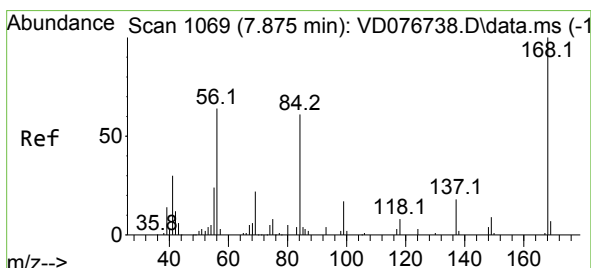
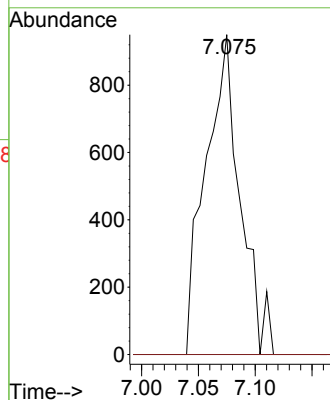
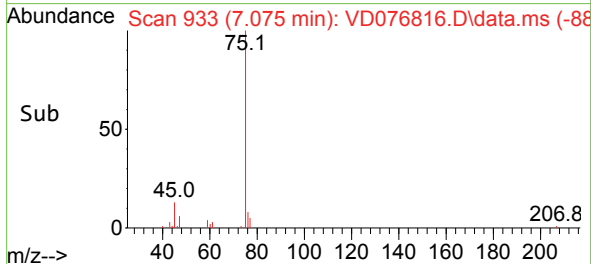


#26
2,2-Dichloropropane
Concen: 2.031 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076816.D
Acq: 26 Jul 2023 20:06

Instrument :
MSVOA_D
ClientSampleId :

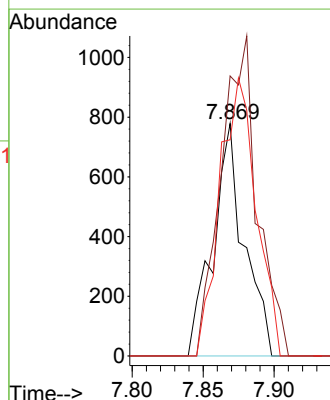
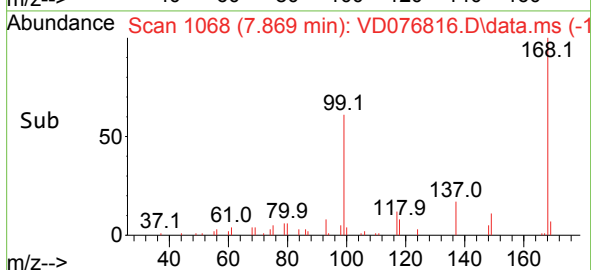
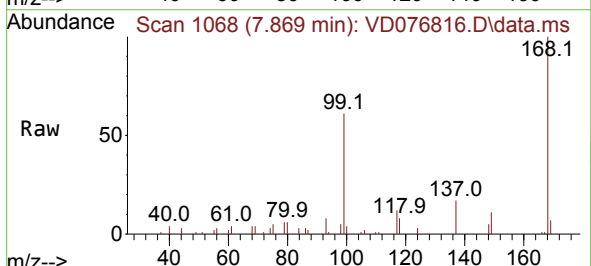


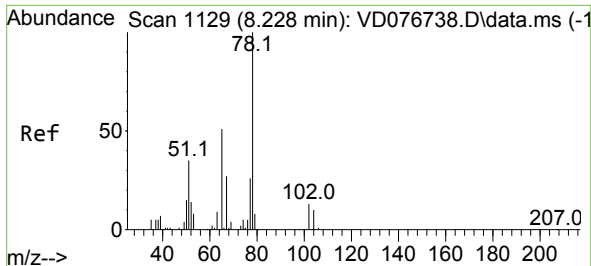
Tgt Ion: 77 Resp: 2005
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#31
Cyclohexane
Concen: 1.460 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076816.D
Acq: 26 Jul 2023 20:06

Tgt Ion: 56 Resp: 1182
Ion Ratio Lower Upper
56 100
69 120.4 28.6 43.0#
84 92.9 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 82.060 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

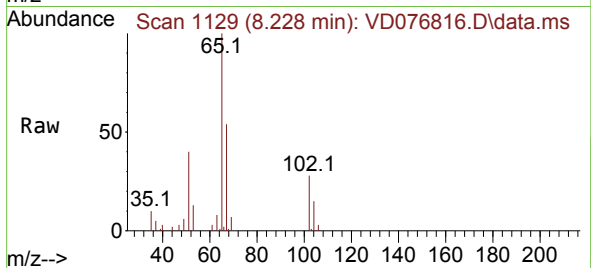
Lab File: VD076816.D

Acq: 26 Jul 2023 20:06

Instrument :

MSVOA_D

ClientSampleId :

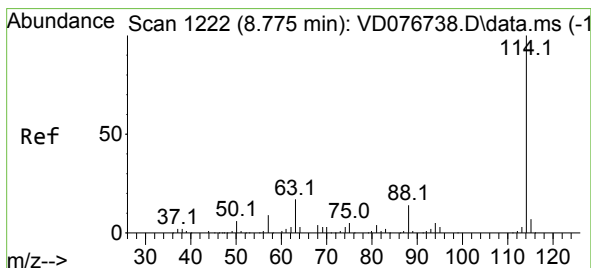
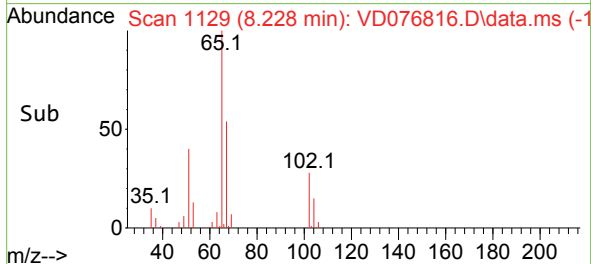
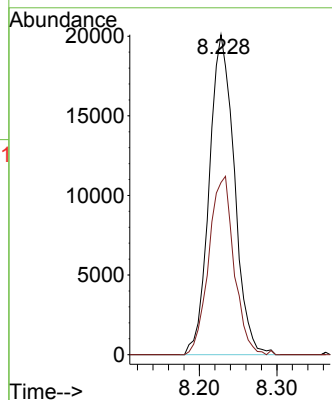


Tgt Ion: 65 Resp: 45156

Ion Ratio Lower Upper

65 100

67 55.9 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076816.D

Acq: 26 Jul 2023 20:06

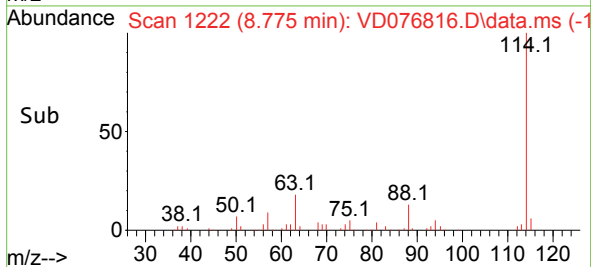
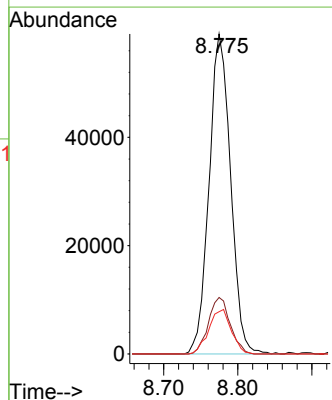
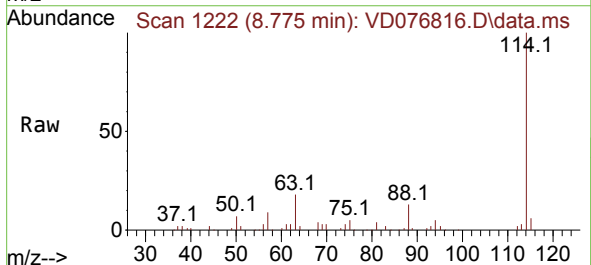
Tgt Ion: 114 Resp: 119214

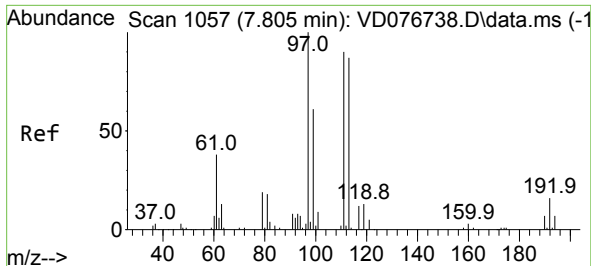
Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.4

88 13.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 61.638 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

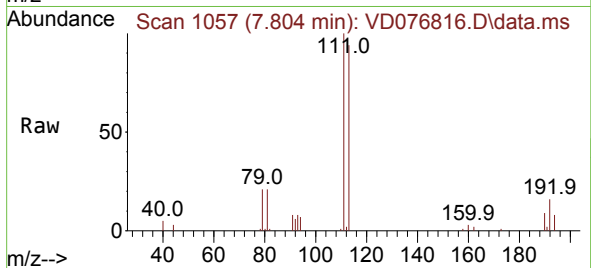
Lab File: VD076816.D

Acq: 26 Jul 2023 20:06

Instrument :

MSVOA_D

ClientSampleId :



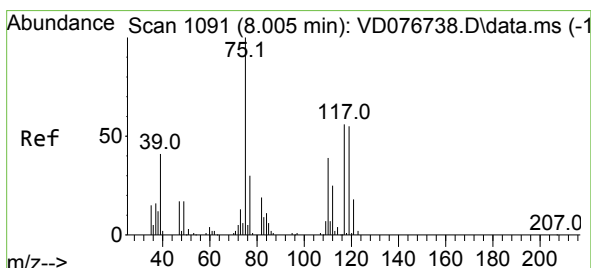
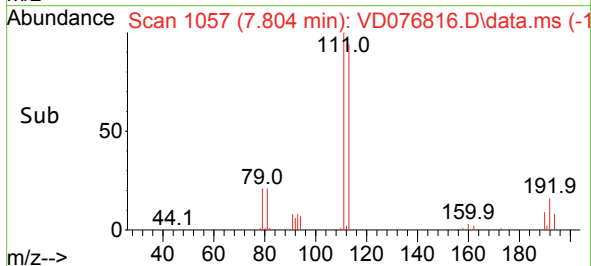
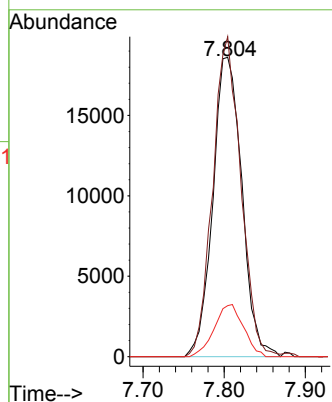
Tgt Ion:113 Resp: 46176

Ion Ratio Lower Upper

113 100

111 103.3 84.7 127.1

192 17.6 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.262 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076816.D

Acq: 26 Jul 2023 20:06

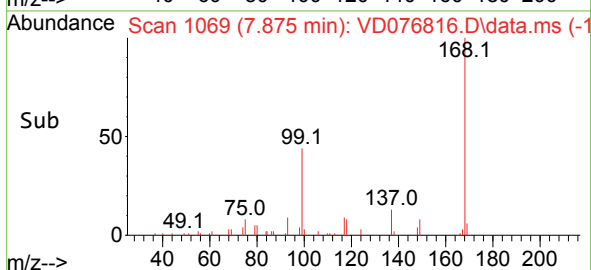
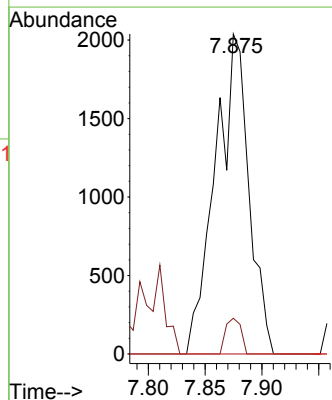
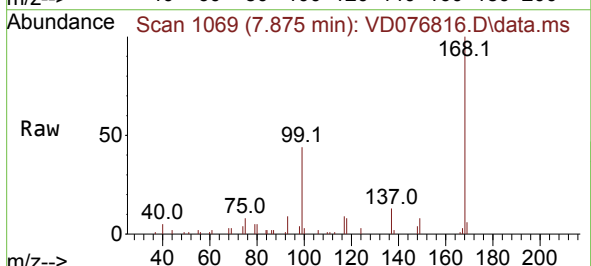
Tgt Ion: 75 Resp: 4172

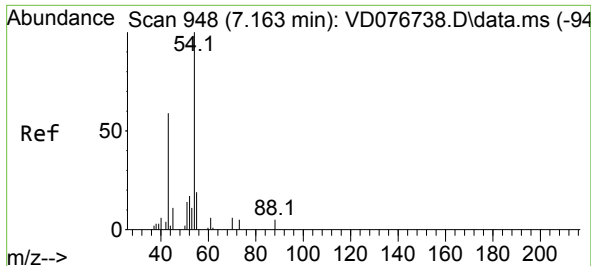
Ion Ratio Lower Upper

75 100

110 5.2 19.9 59.6#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.611 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.088 min

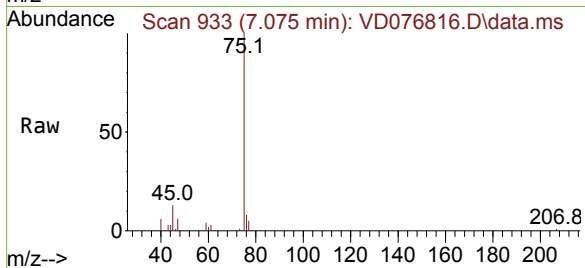
Lab File: VD076816.D

Acq: 26 Jul 2023 20:06

Instrument :

MSVOA_D

ClientSampleId :



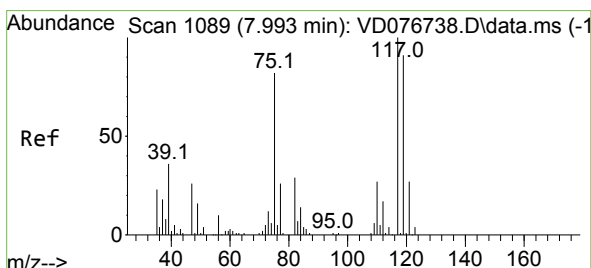
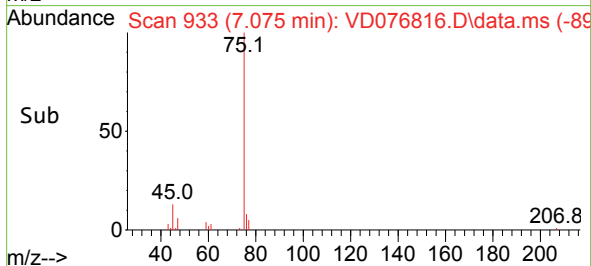
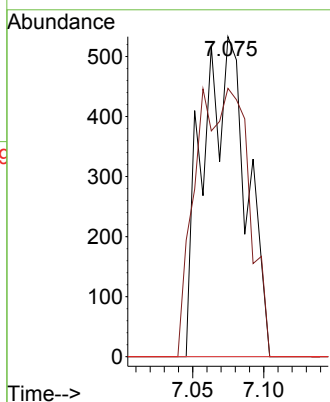
Tgt Ion: 43 Resp: 1143

Ion Ratio Lower Upper

43 100

61 101.3 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 5.869 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076816.D

Acq: 26 Jul 2023 20:06

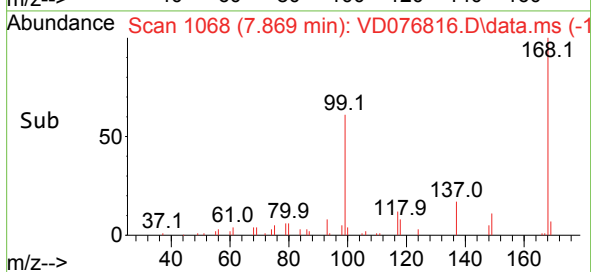
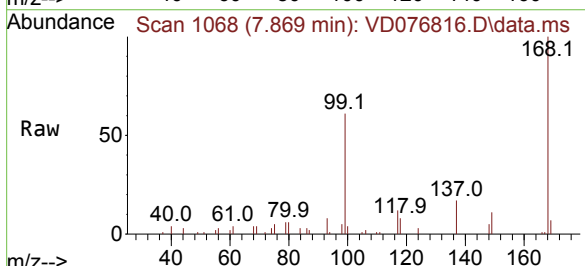
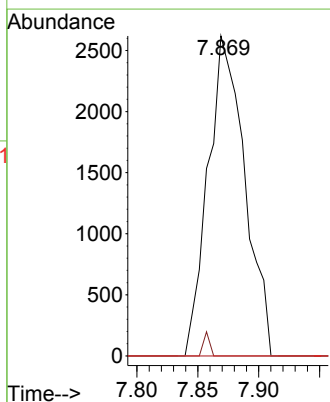
Tgt Ion: 117 Resp: 5501

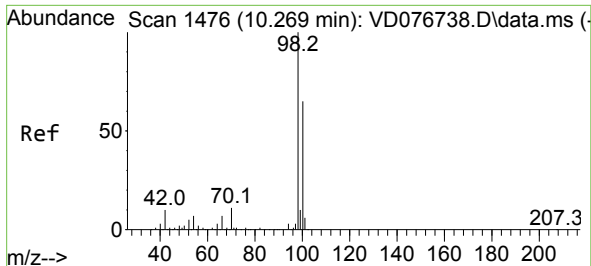
Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#

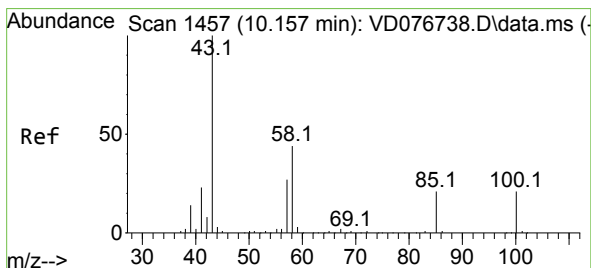
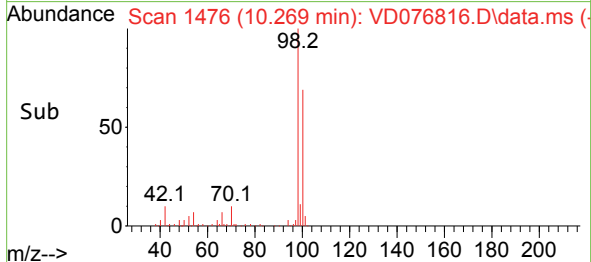
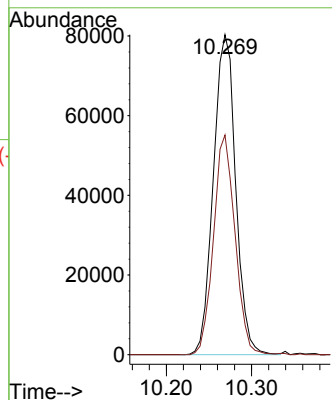
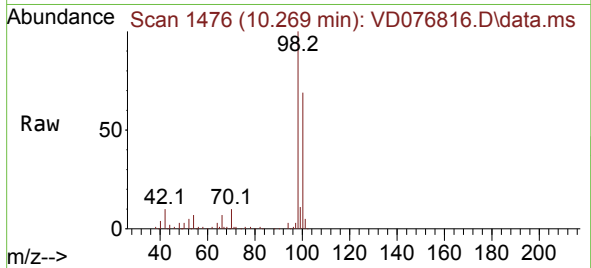




#50
Toluene-d8
Concen: 54.479 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076816.D
Acq: 26 Jul 2023 20:06

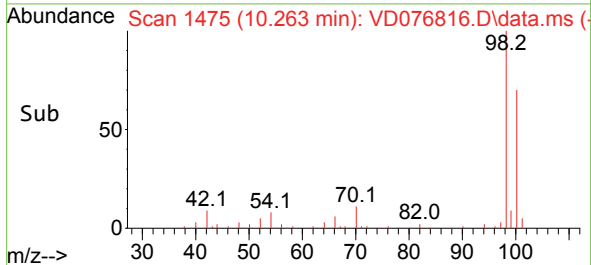
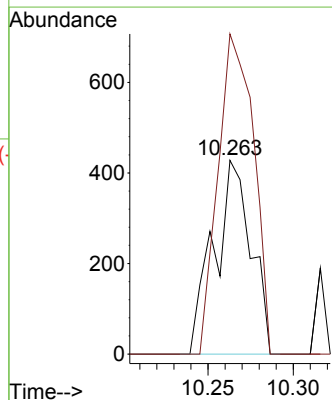
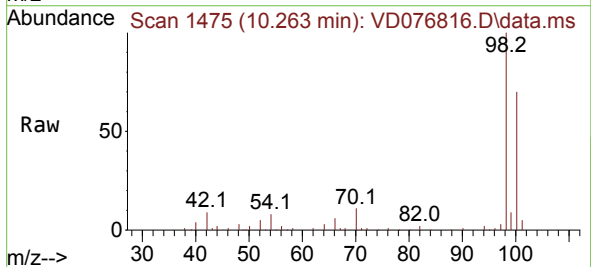
Instrument :
MSVOA_D
ClientSampleId :

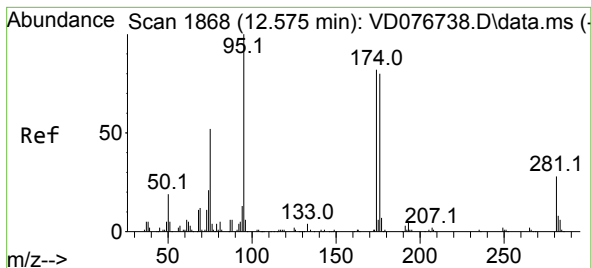
Tgt Ion: 98 Resp: 146004
Ion Ratio Lower Upper
98 100
100 66.2 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.424 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD076816.D
Acq: 26 Jul 2023 20:06

Tgt Ion: 43 Resp: 648
Ion Ratio Lower Upper
43 100
58 158.2 38.9 58.3#

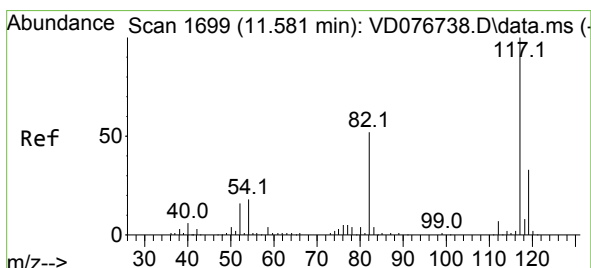
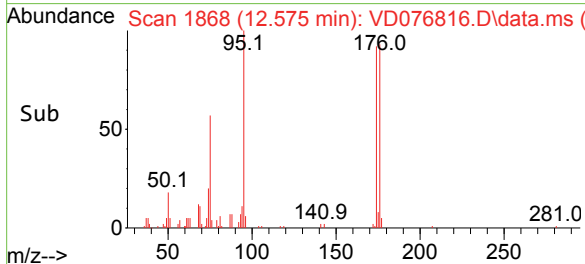
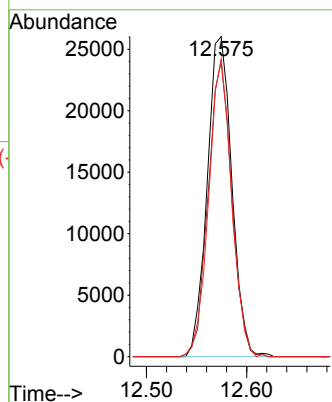
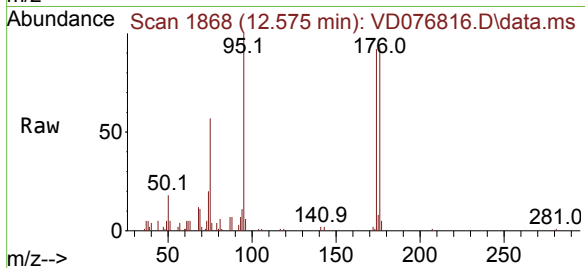




#62
4-Bromofluorobenzene
Concen: 51.279 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076816.D
Acq: 26 Jul 2023 20:06

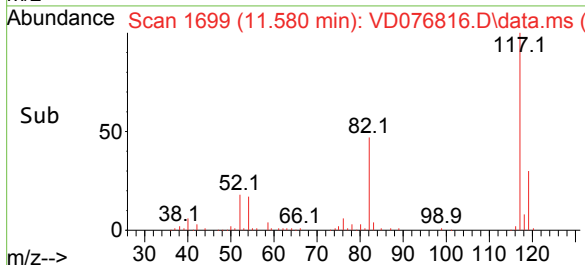
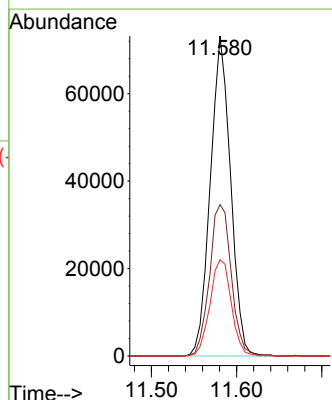
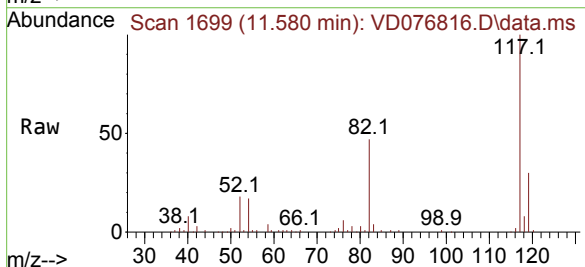
Instrument :
MSVOA_D
ClientSampleId :

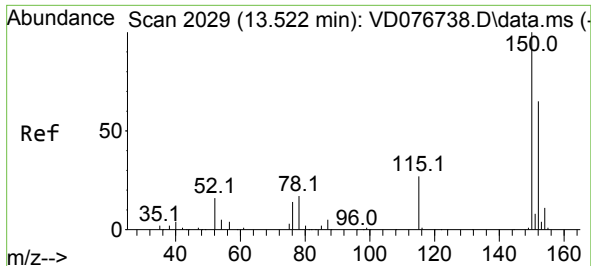
Tgt Ion: 95 Resp: 44458
Ion Ratio Lower Upper
95 100
174 88.7 0.0 201.8
176 86.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076816.D
Acq: 26 Jul 2023 20:06

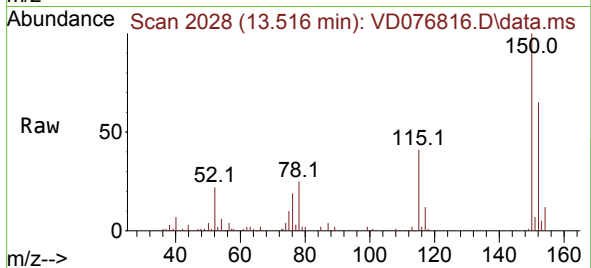
Tgt Ion: 117 Resp: 120636
Ion Ratio Lower Upper
117 100
82 47.3 38.3 57.5
119 30.1 25.0 37.4



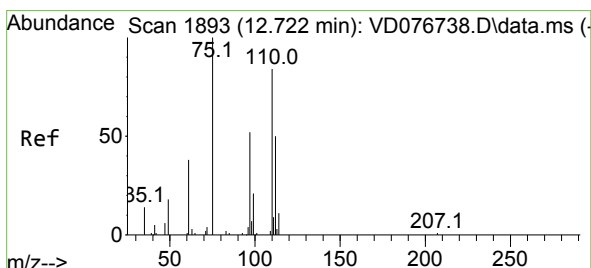
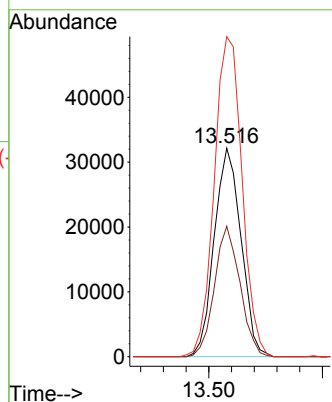
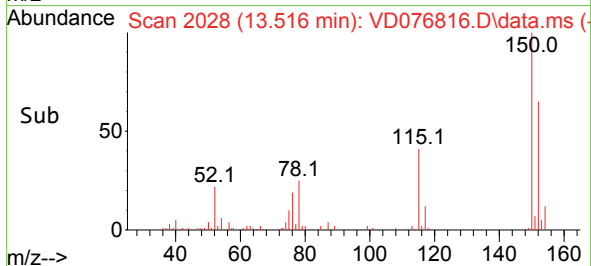


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD076816.D
 Acq: 26 Jul 2023 20:06

Instrument :
 MSVOA_D
 ClientSampleId :

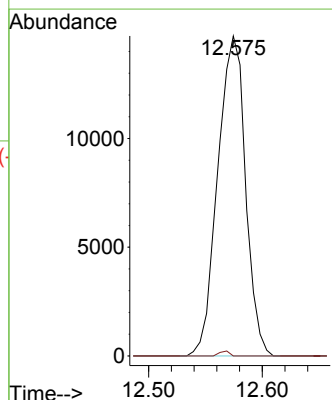
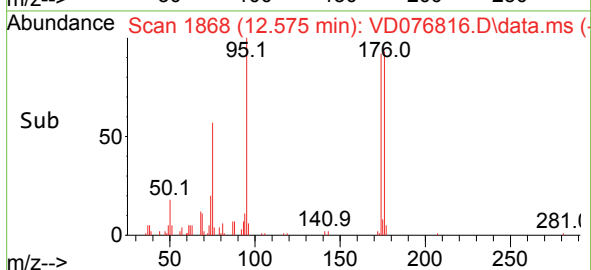
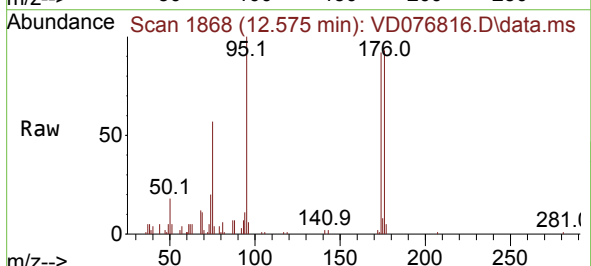


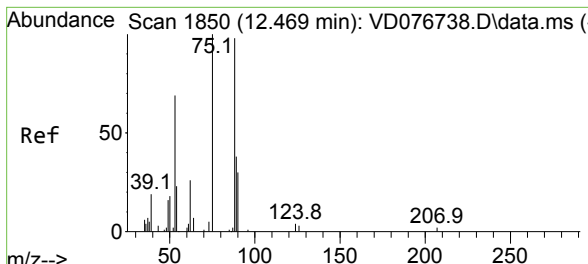
Tgt Ion:152 Resp: 52678
 Ion Ratio Lower Upper
 152 100
 115 59.6 27.1 81.3
 150 159.2 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 49.880 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD076816.D
 Acq: 26 Jul 2023 20:06

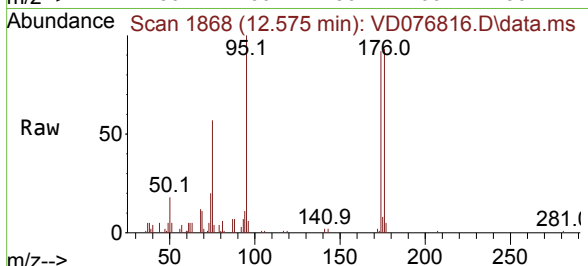
Tgt Ion: 75 Resp: 24988
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.158 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076816.D
 Acq: 26 Jul 2023 20:06

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	24988
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

