

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077821.D
 Acq On : 11 Dec 2023 19:43
 Operator : JC/SY
 Sample : 05628-07
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 00:51:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

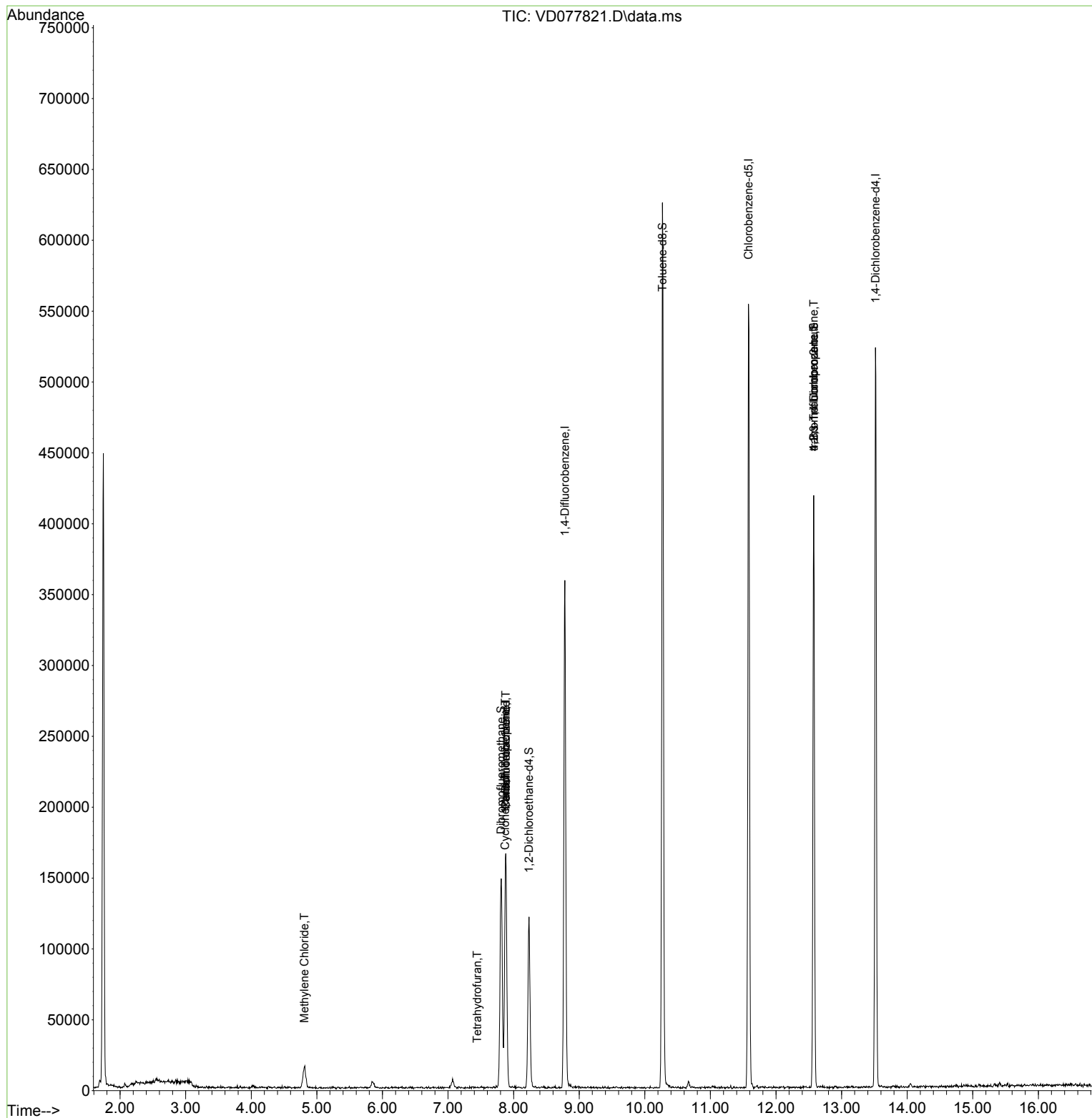
Internal Standards						
1) Pentafluorobenzene	7.881	168	133018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	319330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	320528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	91693	58.499	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.000%
35) Dibromofluoromethane	7.810	113	109133	48.790	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.580%
50) Toluene-d8	10.269	98	428638	47.846	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.700%
62) 4-Bromofluorobenzene	12.575	95	122545	45.753	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.500%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.922	59	66	Below Cal	#	73
16) Acetone	4.040	43	2042	Below Cal	#	77
20) Methylene Chloride	4.811	84	10914	1.147	ug/l #	81
25) 2-Butanone	7.093	43	64	Below Cal	#	37
29) Tetrahydrofuran	7.446	42	261	1.046	ug/l #	23
31) Cyclohexane	7.869	56	2957	1.061	ug/l #	44
36) 1,1-Dichloropropene	7.875	75	10642	2.974	ug/l #	39
38) Carbon Tetrachloride	7.881	117	13056	3.660	ug/l #	17
65) Chlorobenzene	11.610	112	712	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	66358	53.816	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	66358	109.036	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	1061	Below Cal	#	66
92) 1,2-Dibromo-3-Chloropr...	14.492	75	55	Below Cal	#	1

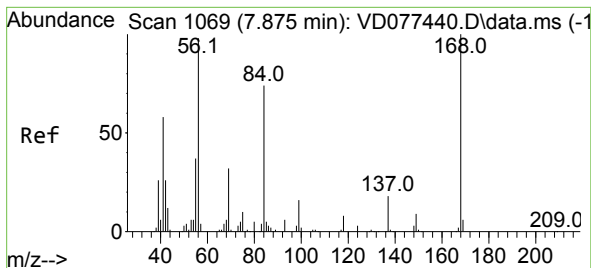
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 08 13:33:18 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD077821.D

Acq: 11 Dec 2023 19:43

Instrument :

MSVOA_D

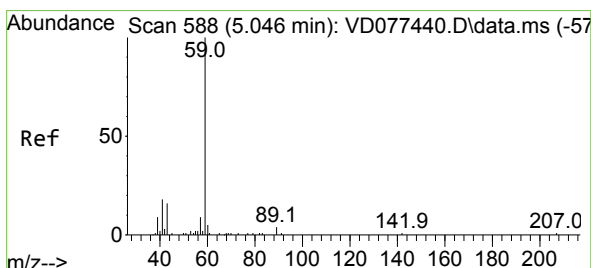
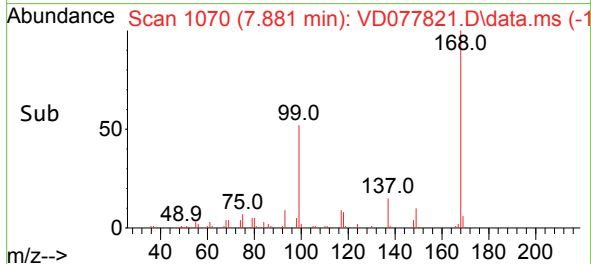
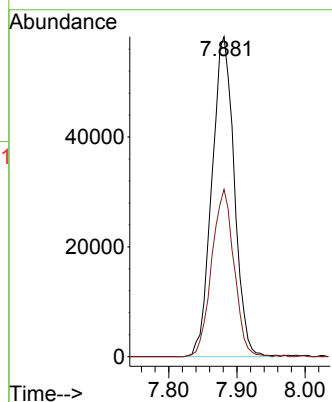
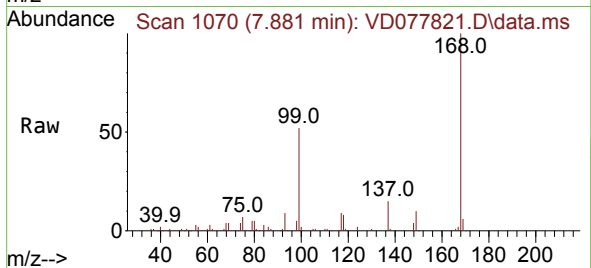
ClientSampleId :

Tgt Ion:168 Resp: 133018

Ion Ratio Lower Upper

168 100

99 52.3 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.922 min Scan# 567

Delta R.T. -0.124 min

Lab File: VD077821.D

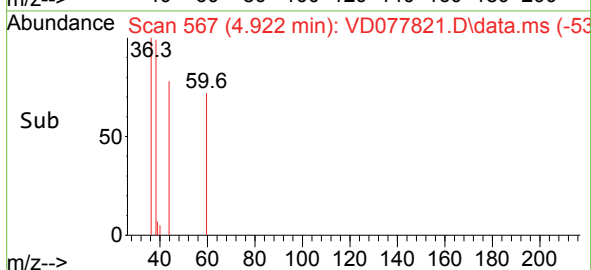
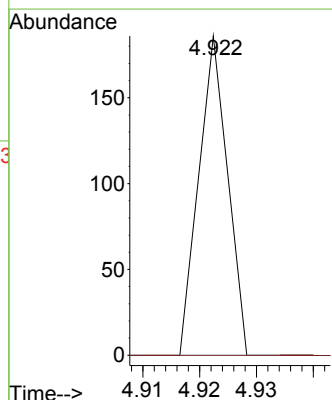
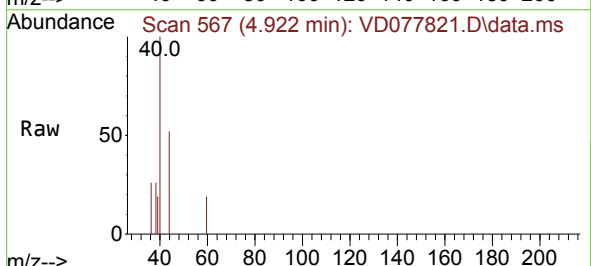
Acq: 11 Dec 2023 19:43

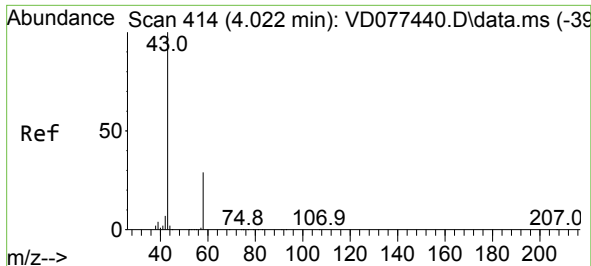
Tgt Ion: 59 Resp: 66

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

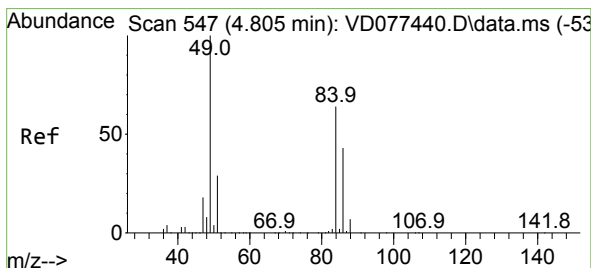
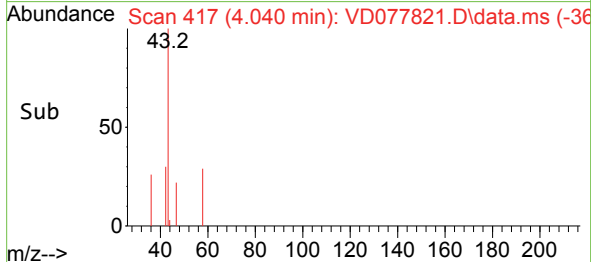
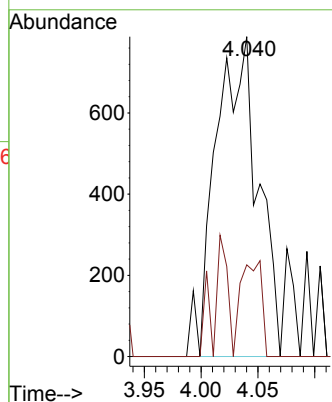
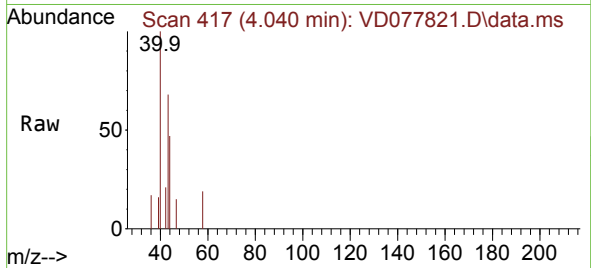




#16
Acetone
Concen: Below Cal
RT: 4.040 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD077821.D
Acq: 11 Dec 2023 19:43

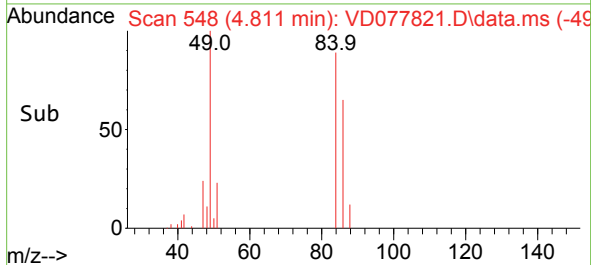
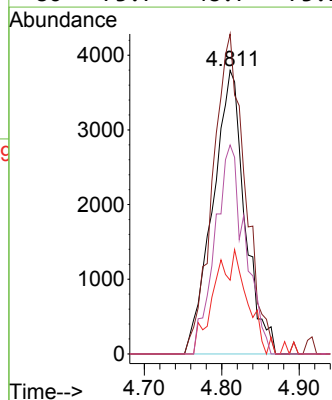
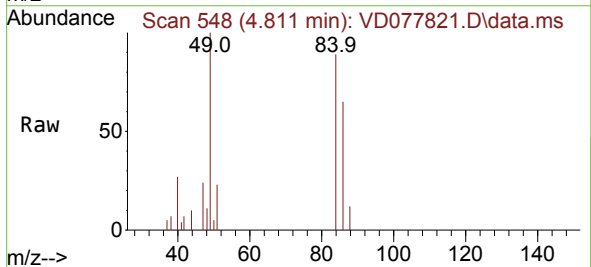
Instrument :
MSVOA_D
ClientSampleId :

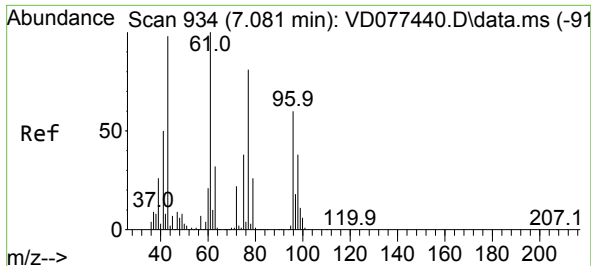
Tgt Ion: 43 Resp: 2042
Ion Ratio Lower Upper
43 100
58 28.7 34.7 52.1#



#20
Methylene Chloride
Concen: 1.147 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD077821.D
Acq: 11 Dec 2023 19:43

Tgt Ion: 84 Resp: 10914
Ion Ratio Lower Upper
84 100
49 112.9 71.4 107.2#
51 26.0 24.5 36.7
86 73.7 48.7 73.1#





#25

2-Butanone

Concen: Below Cal

RT: 7.093 min Scan# 91

Delta R.T. 0.012 min

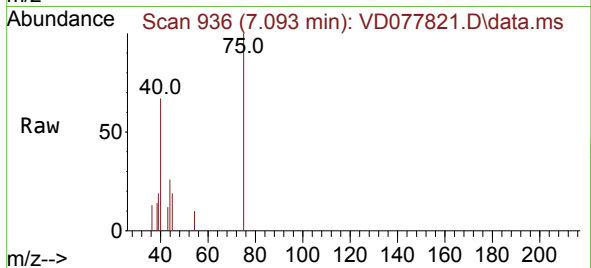
Lab File: VD077821.D

Acq: 11 Dec 2023 19:43

Instrument :

MSVOA_D

ClientSampleId :

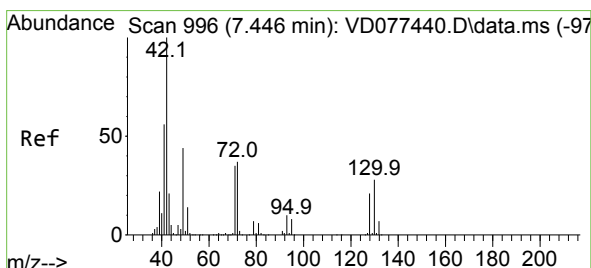
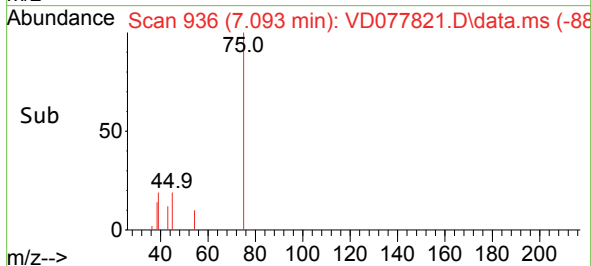
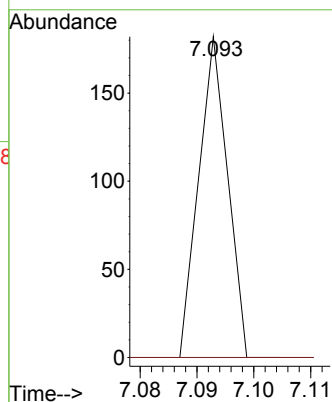


Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#29

Tetrahydrofuran

Concen: 1.046 ug/l

RT: 7.446 min Scan# 996

Delta R.T. -0.000 min

Lab File: VD077821.D

Acq: 11 Dec 2023 19:43

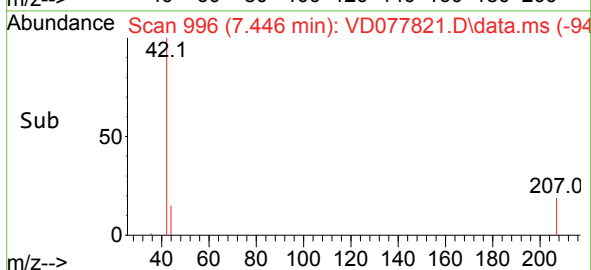
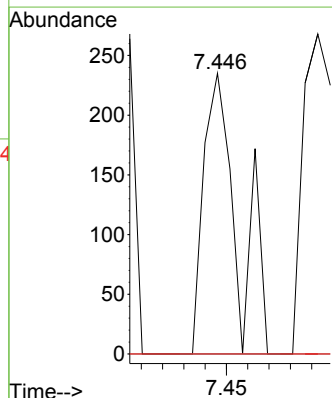
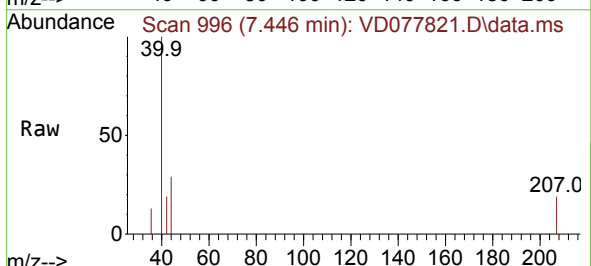
Tgt Ion: 42 Resp: 261

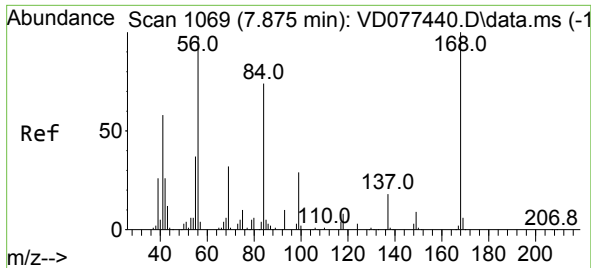
Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

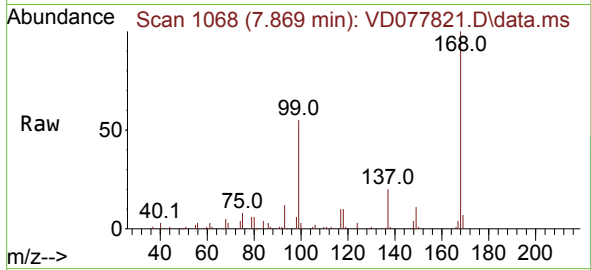
71 0.0 44.5 66.7#



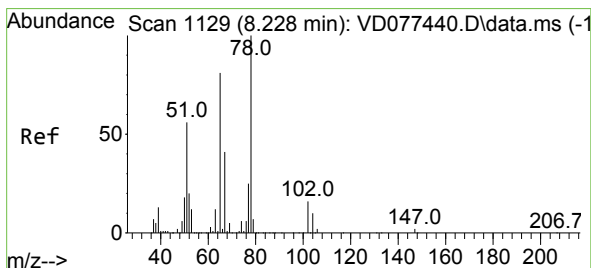
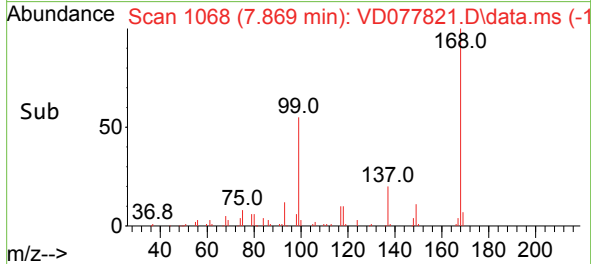
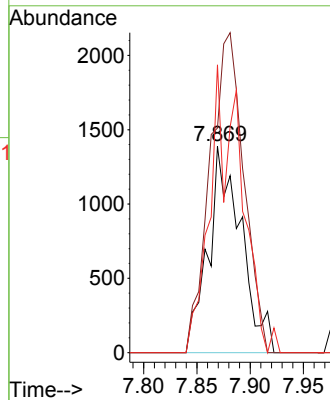


#31
Cyclohexane
Concen: 1.061 ug/l
RT: 7.869 min Scan# 110
Delta R.T. -0.006 min
Lab File: VD077821.D
Acq: 11 Dec 2023 19:43

Instrument :
MSVOA_D
ClientSampleId :

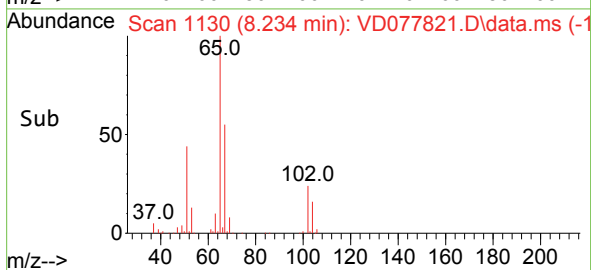
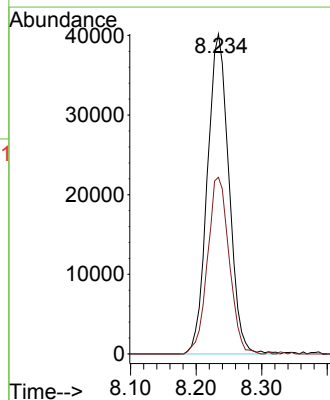
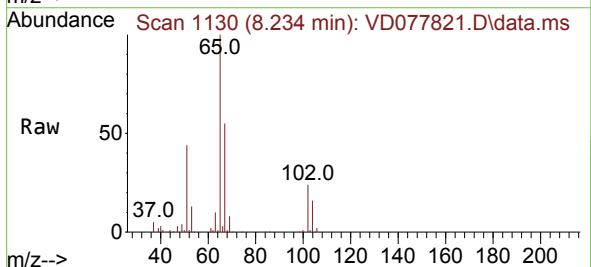


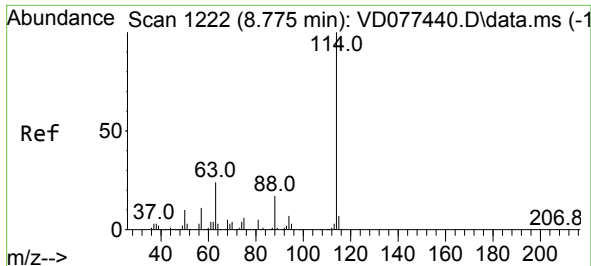
Tgt Ion: 56 Resp: 2957
Ion Ratio Lower Upper
56 100
69 108.8 28.6 43.0#
84 139.5 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 58.499 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077821.D
Acq: 11 Dec 2023 19:43

Tgt Ion: 65 Resp: 91693
Ion Ratio Lower Upper
65 100
67 55.4 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077821.D

Acq: 11 Dec 2023 19:43

Instrument :

MSVOA_D

ClientSampleId :

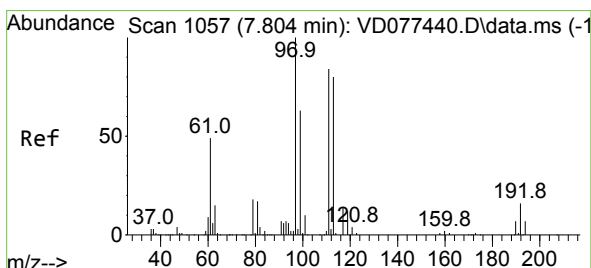
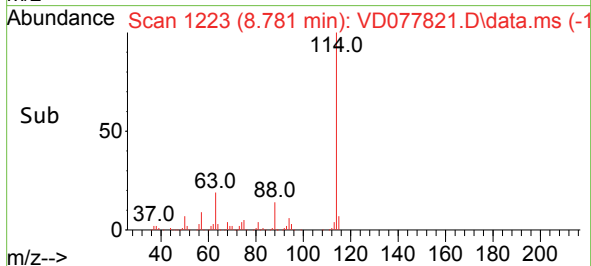
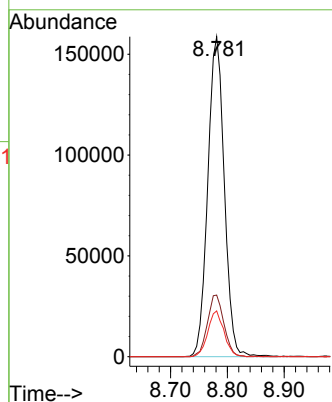
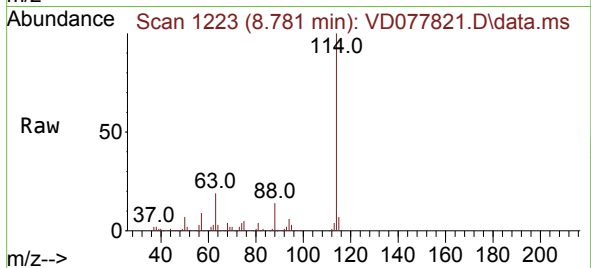
Tgt Ion:114 Resp: 319330

Ion Ratio Lower Upper

114 100

63 19.2 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.790 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077821.D

Acq: 11 Dec 2023 19:43

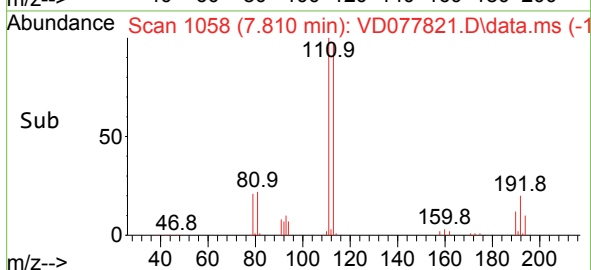
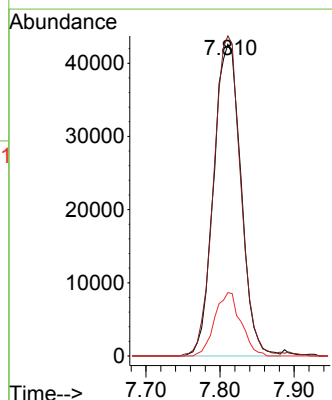
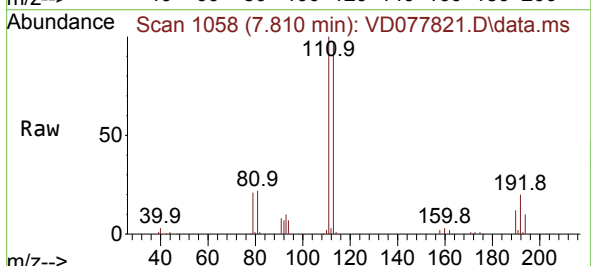
Tgt Ion:113 Resp: 109133

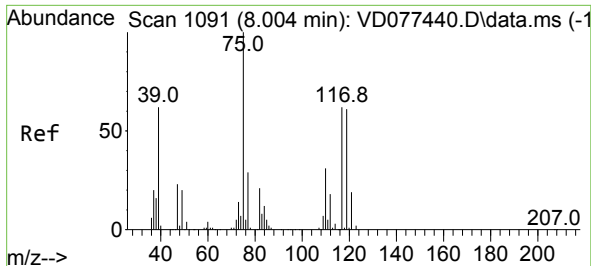
Ion Ratio Lower Upper

113 100

111 101.1 84.7 127.1

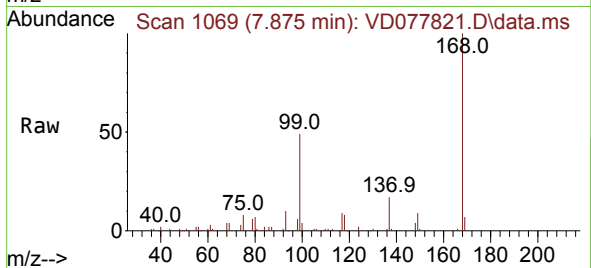
192 19.4 16.8 25.2



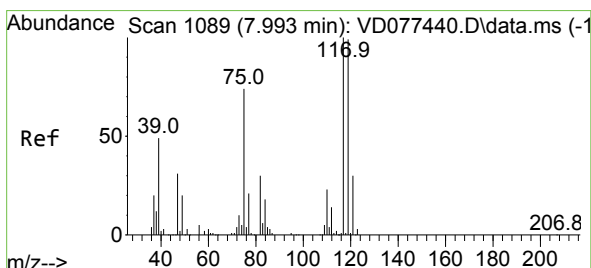
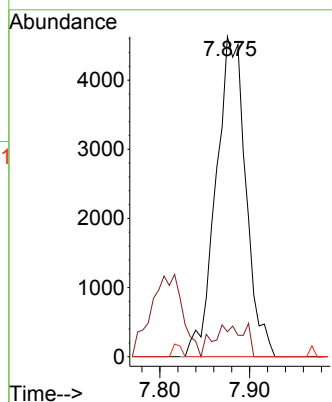
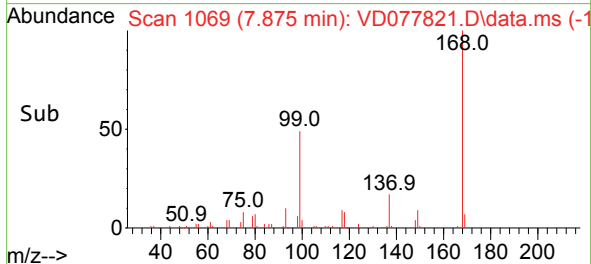


#36
1,1-Dichloropropene
Concen: 2.974 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077821.D
Acq: 11 Dec 2023 19:43

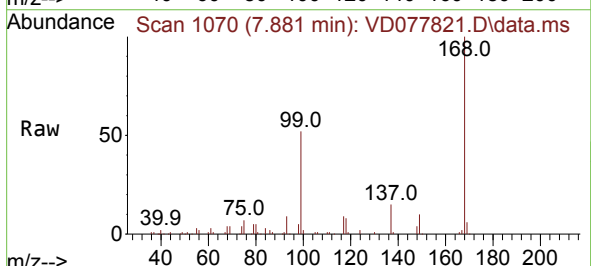
Instrument :
MSVOA_D
ClientSampleId :



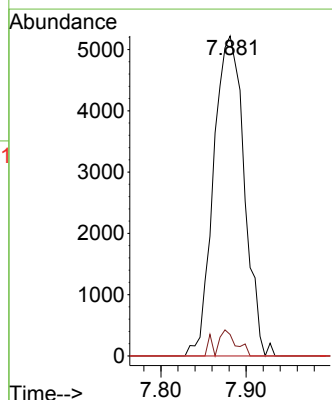
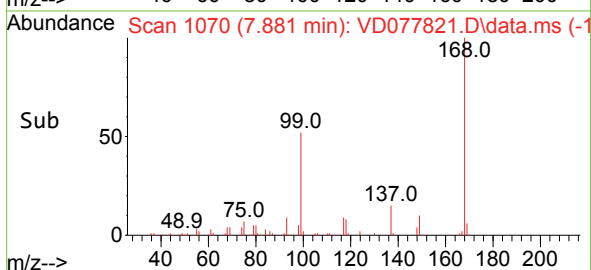
Tgt Ion: 75 Resp: 10642
Ion Ratio Lower Upper
75 100
110 0.0 19.9 59.6#
77 0.0 24.7 37.1#

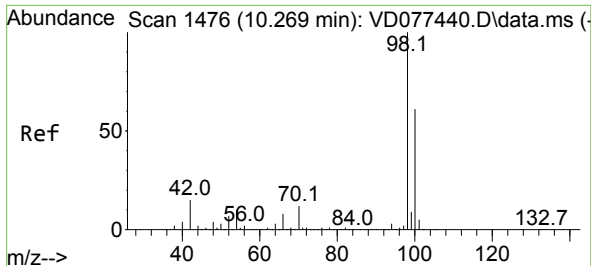


#38
Carbon Tetrachloride
Concen: 3.660 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD077821.D
Acq: 11 Dec 2023 19:43



Tgt Ion: 117 Resp: 13056
Ion Ratio Lower Upper
117 100
119 6.7 78.0 117.0#
121 0.0 24.2 36.2#

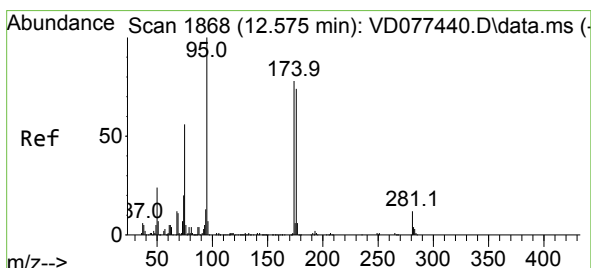
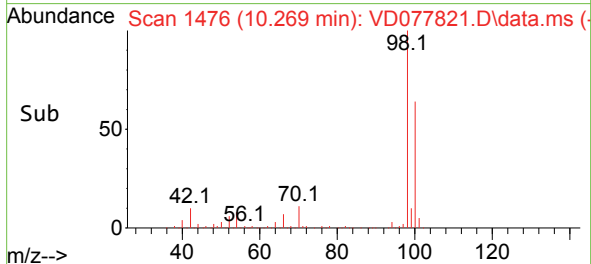
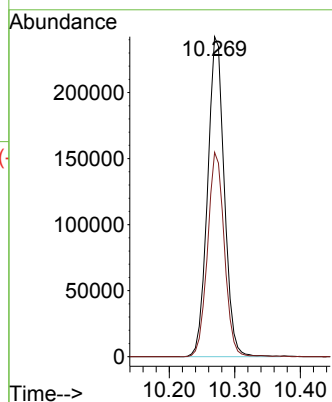
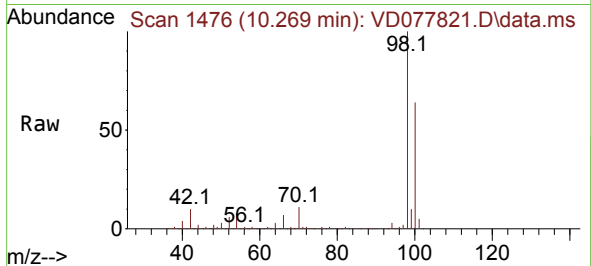




#50
Toluene-d8
Concen: 47.846 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077821.D
Acq: 11 Dec 2023 19:43

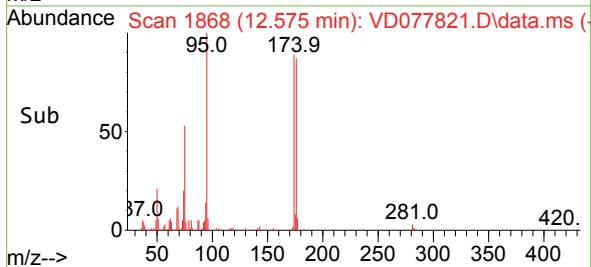
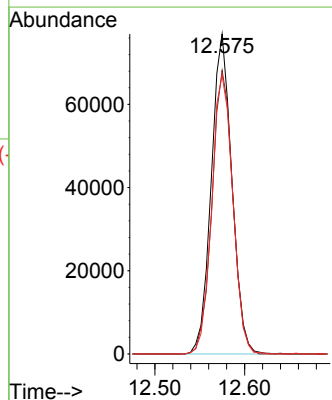
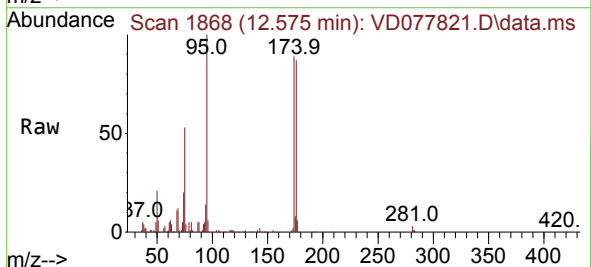
Instrument :
MSVOA_D
ClientSampleId :

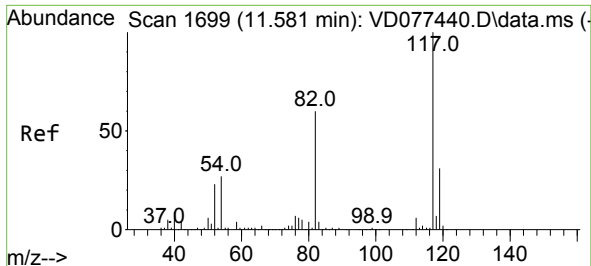
Tgt Ion: 98 Resp: 428638
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 45.753 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077821.D
Acq: 11 Dec 2023 19:43

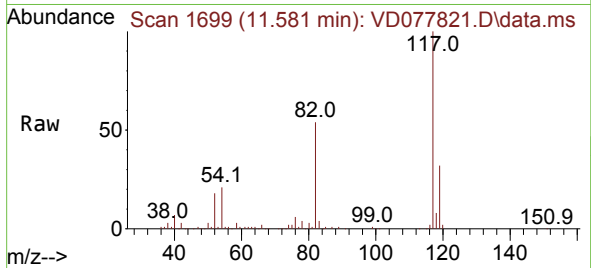
Tgt Ion: 95 Resp: 122545
Ion Ratio Lower Upper
95 100
174 89.9 0.0 201.8
176 88.8 0.0 191.8



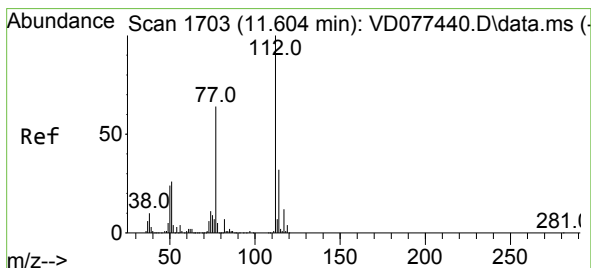
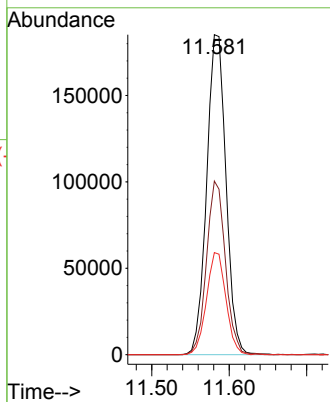
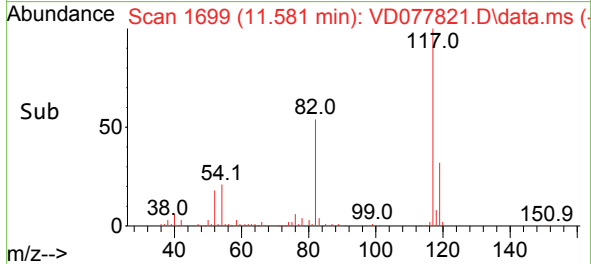


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077821.D
Acq: 11 Dec 2023 19:43

Instrument :
MSVOA_D
ClientSampleId :

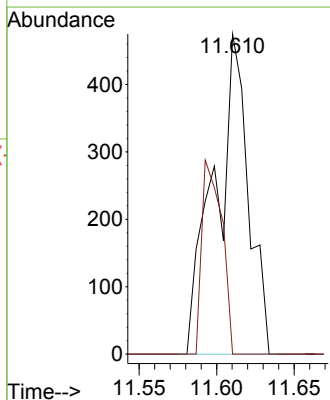
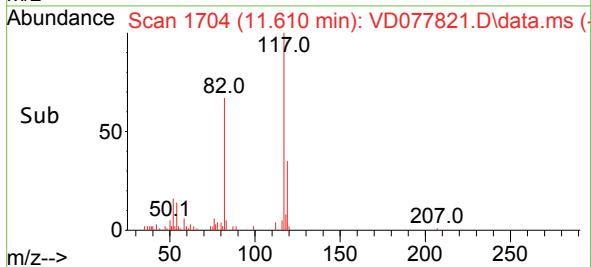
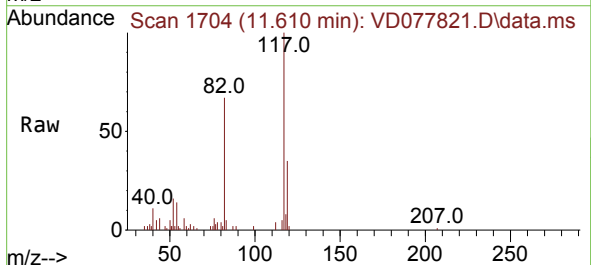


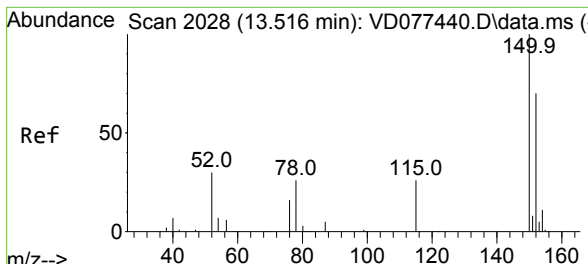
Tgt Ion:117 Resp: 320528
Ion Ratio Lower Upper
117 100
82 54.3 38.3 57.5
119 31.9 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD077821.D
Acq: 11 Dec 2023 19:43

Tgt Ion:112 Resp: 712
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#

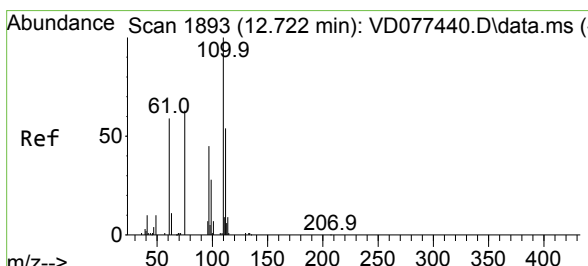
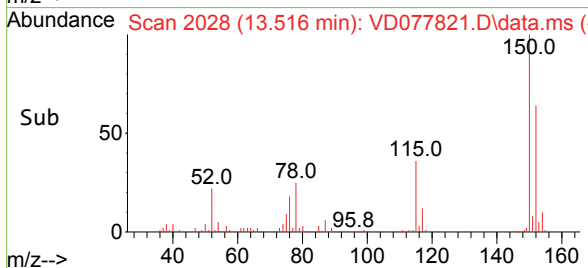
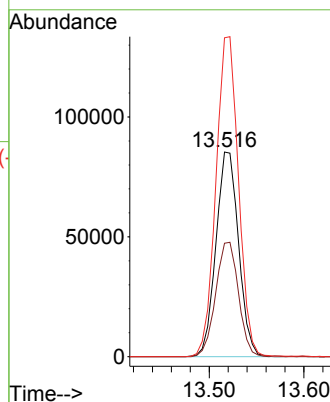
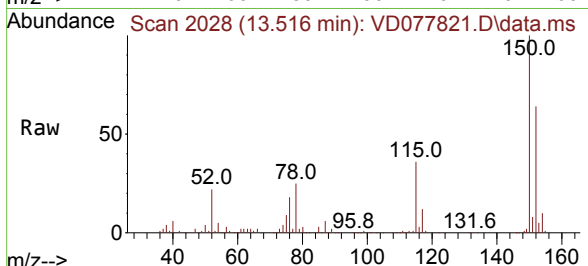




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077821.D
 Acq: 11 Dec 2023 19:43

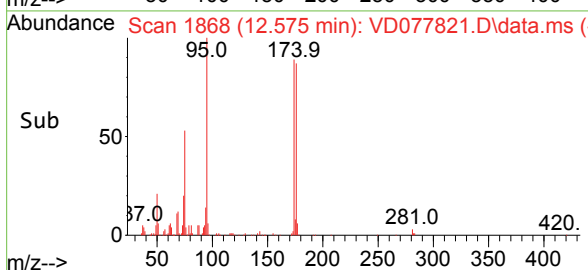
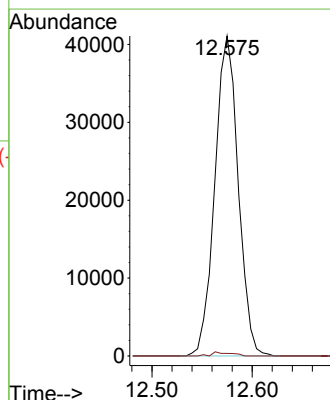
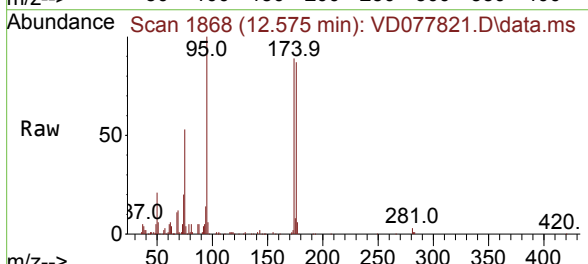
Instrument :
 MSVOA_D
 ClientSampleId :

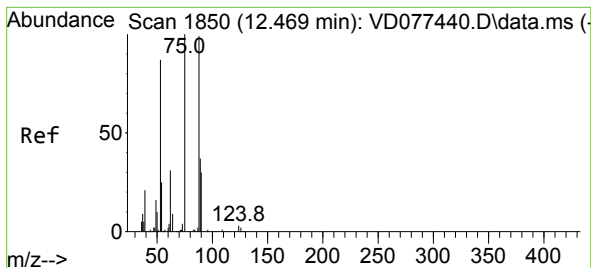
Tgt Ion:152 Resp: 141973
 Ion Ratio Lower Upper
 152 100
 115 56.3 27.1 81.3
 150 155.8 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 53.816 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077821.D
 Acq: 11 Dec 2023 19:43

Tgt Ion: 75 Resp: 66358
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

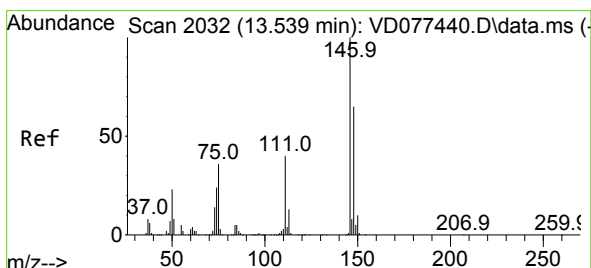
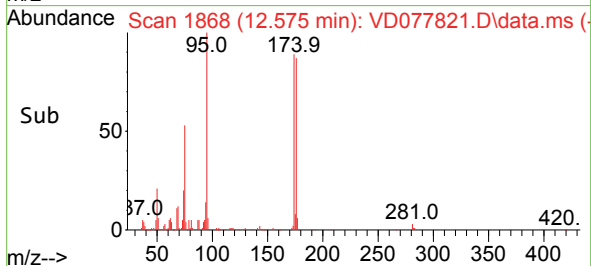
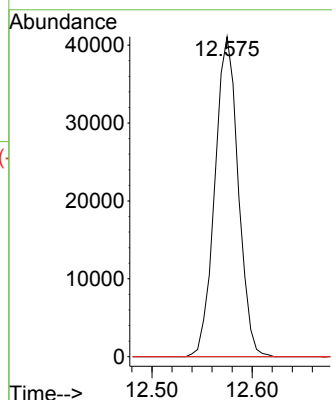
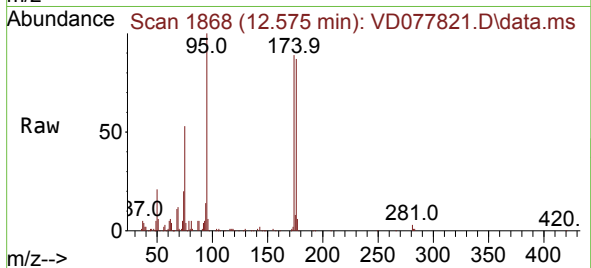




#81
trans-1,4-Dichloro-2-butene
Concen: 109.036 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077821.D
Acq: 11 Dec 2023 19:43

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 66358
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.534 min Scan# 2031
Delta R.T. -0.005 min
Lab File: VD077821.D
Acq: 11 Dec 2023 19:43

Tgt Ion: 146 Resp: 1061
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 48.3 31.7 95.1

