

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012424\
 Data File : VD078231.D
 Acq On : 24 Jan 2024 18:53
 Operator : RP/MD
 Sample : P1246-02
 Misc : 3.21G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-COMP-012424

Quant Time: Jan 25 12:02:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 05:43:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	143482	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	298525	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	299519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	125060	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	66655	40.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.380%
35) Dibromofluoromethane	7.810	113	87086	44.325	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.660%
50) Toluene-d8	10.269	98	384968	49.485	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.980%
62) 4-Bromofluorobenzene	12.575	95	118859	52.684	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.360%

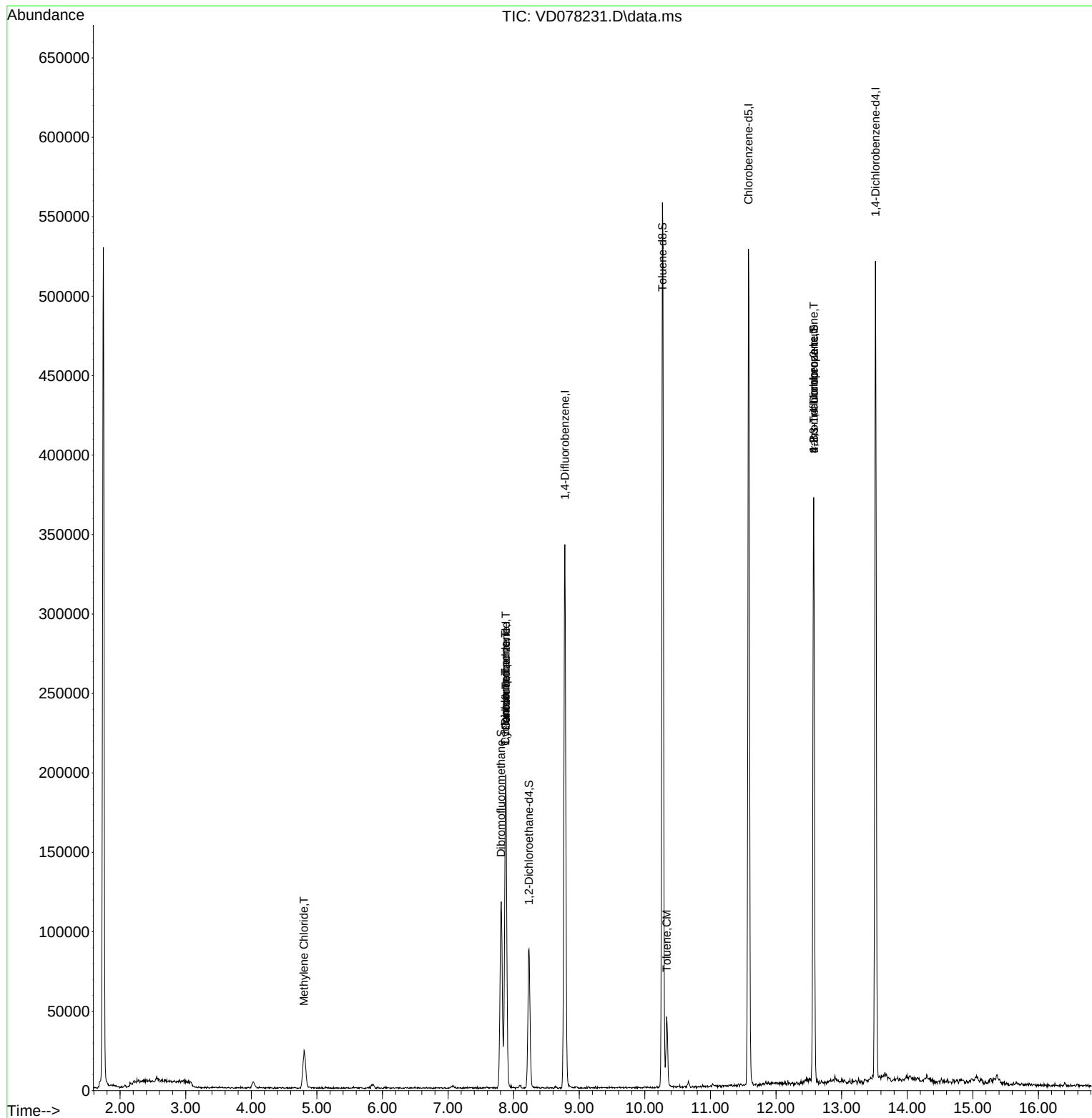
Target Compounds					Qvalue
3) Chloromethane	2.152	50	96	Below Cal	# 41
16) Acetone	4.022	43	6887	Below Cal	99
20) Methylene Chloride	4.805	84	18263	5.246 ug/l	# 87
25) 2-Butanone	7.075	43	71	Below Cal	# 37
31) Cyclohexane	7.875	56	4024	1.329 ug/l	# 46
36) 1,1-Dichloropropene	7.875	75	12773	3.953 ug/l	# 47
38) Carbon Tetrachloride	7.881	117	15880	4.977 ug/l	# 14
52) Toluene	10.334	92	18769	3.230 ug/l	97
76) 1,2,3-Trichloropropane	12.575	75	62828	52.379 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	62828	112.827 ug/l	# 17

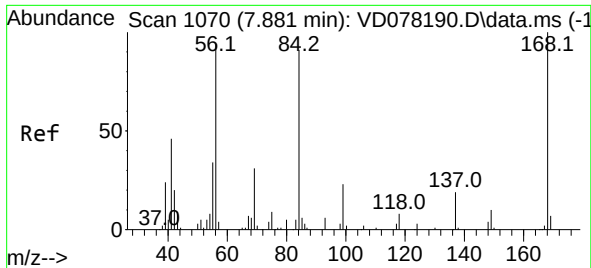
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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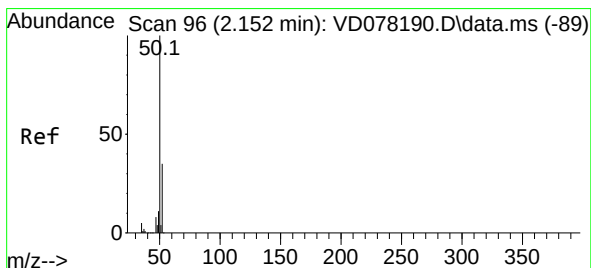
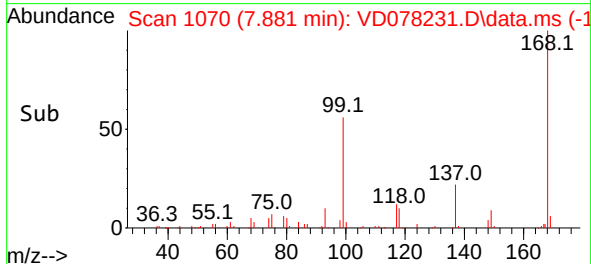
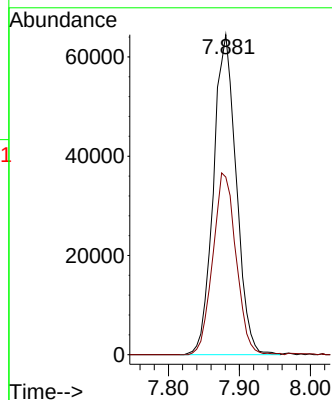
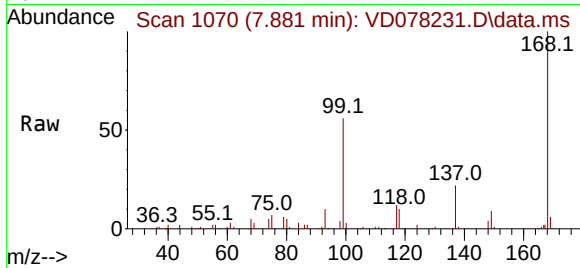




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078231.D
Acq: 24 Jan 2024 18:53

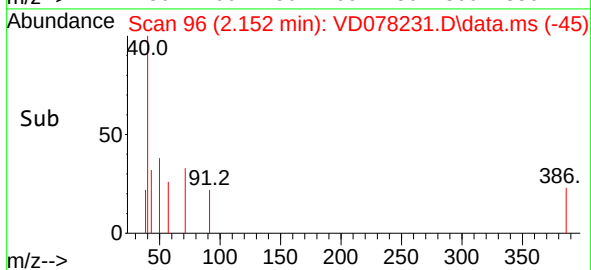
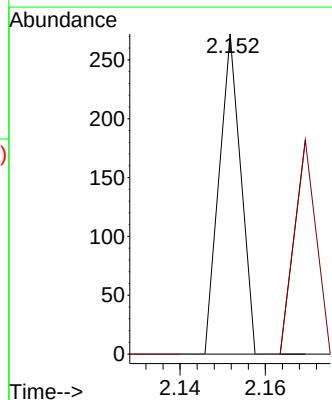
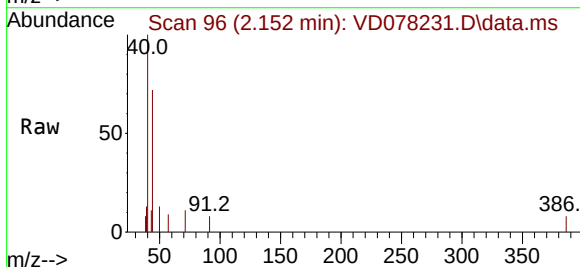
Instrument :
MSVOA_D
ClientSampleId :
TP-COMP-012424

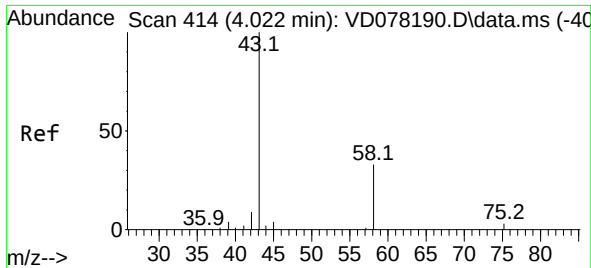
Tgt Ion:168 Resp: 143482
Ion Ratio Lower Upper
168 100
99 55.5 36.7 55.1#



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD078231.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 50 Resp: 96
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

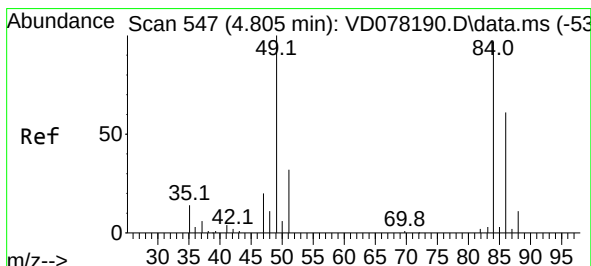
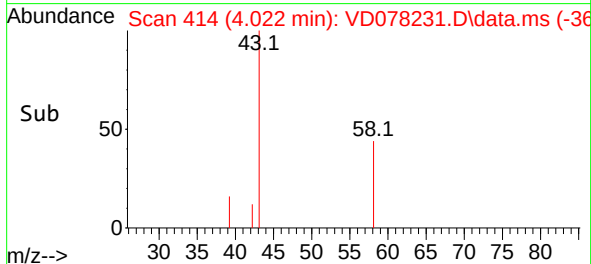
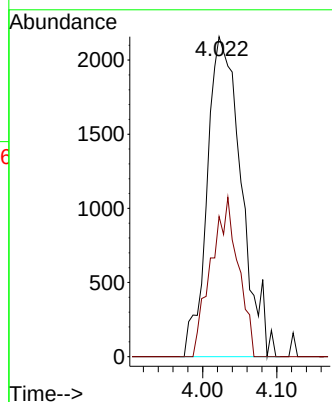
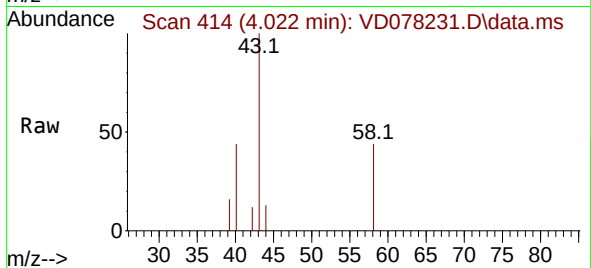




#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD078231.D
Acq: 24 Jan 2024 18:53

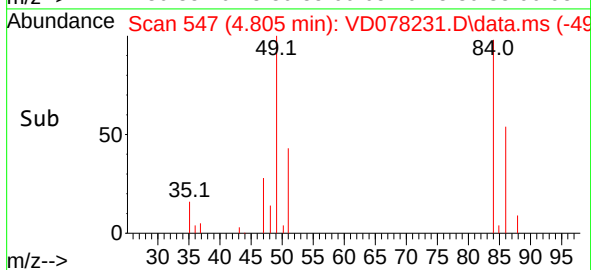
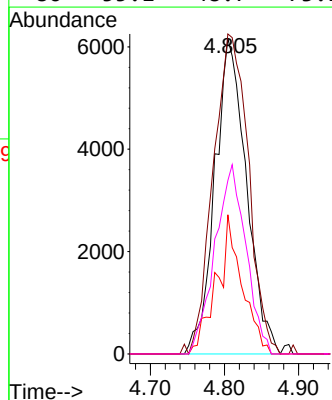
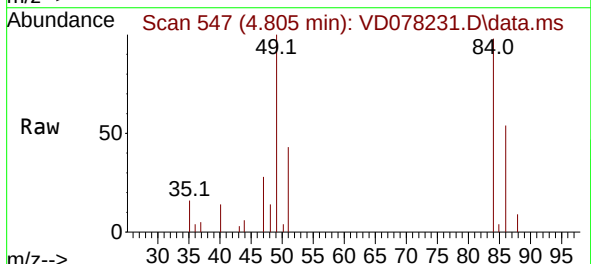
Instrument :
MSVOA_D
ClientSampleId :
TP-COMP-012424

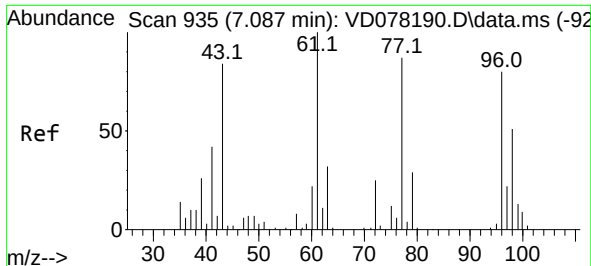
Tgt Ion: 43 Resp: 6887
Ion Ratio Lower Upper
43 100
58 43.8 34.7 52.1



#20
Methylene Chloride
Concen: 5.246 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD078231.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 84 Resp: 18263
Ion Ratio Lower Upper
84 100
49 101.6 71.4 107.2
51 44.2 24.5 36.7#
86 55.1 48.7 73.1

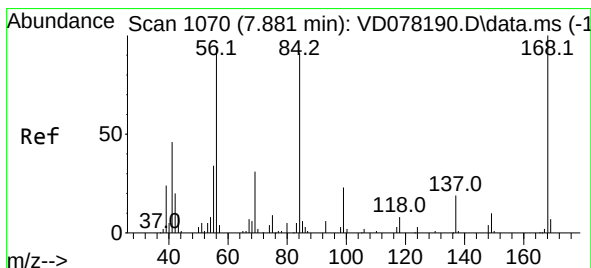
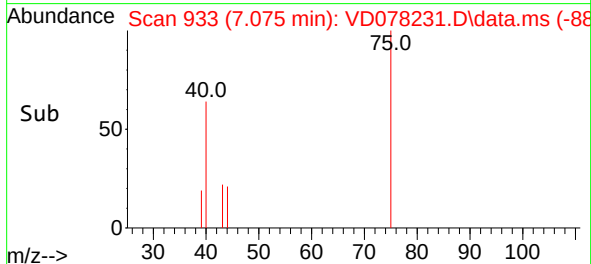
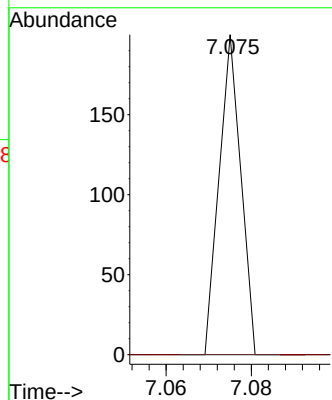
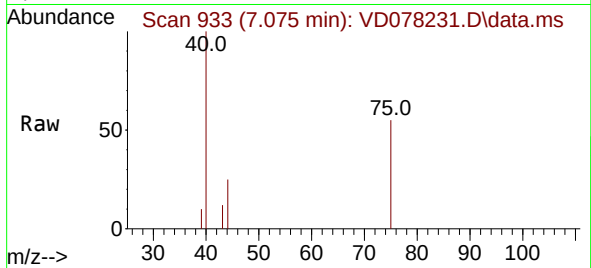




#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD078231.D
Acq: 24 Jan 2024 18:53

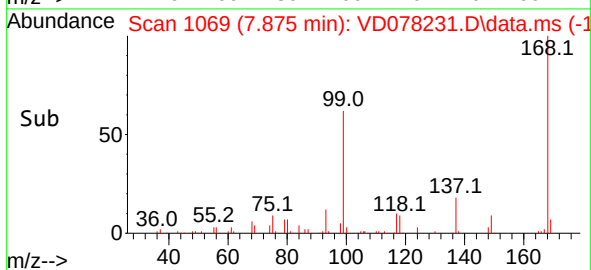
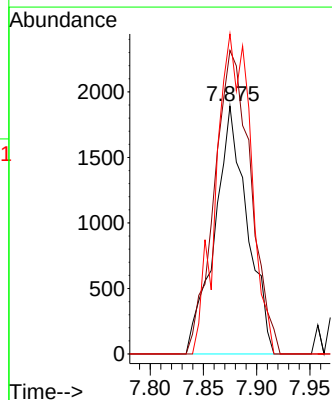
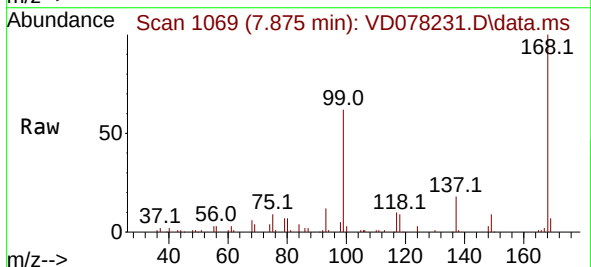
Instrument :
MSVOA_D
ClientSampleId :
TP-COMP-012424

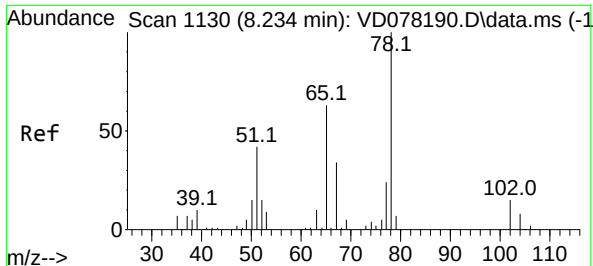
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.329 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078231.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 56 Resp: 4024
Ion Ratio Lower Upper
56 100
69 122.4 28.6 43.0#
84 129.1 84.8 127.2#

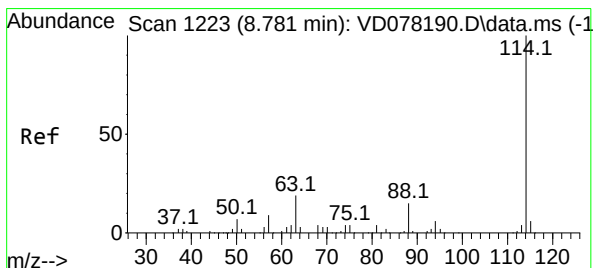
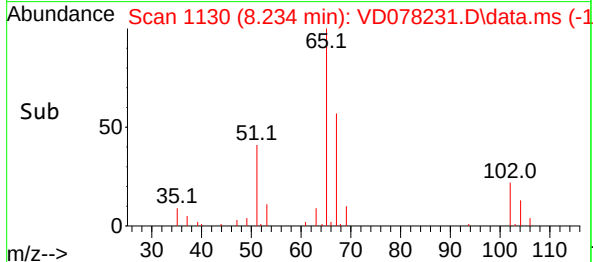
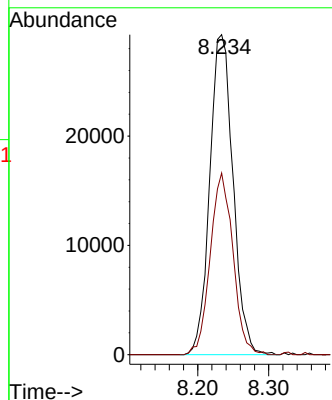
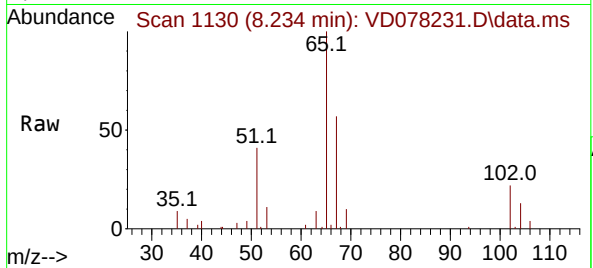




#33
 1,2-Dichloroethane-d4
 Concen: 40.693 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VD078231.D
 Acq: 24 Jan 2024 18:53

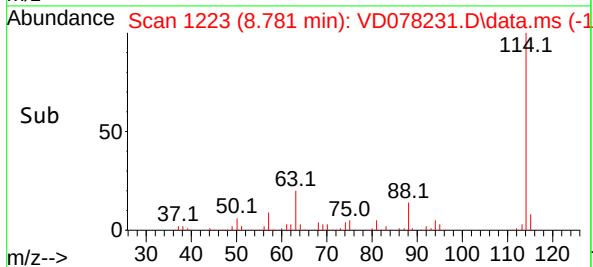
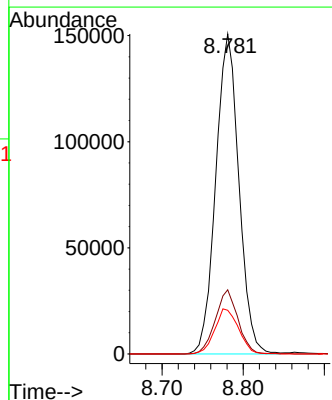
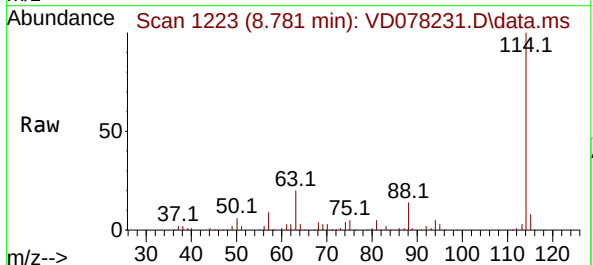
Instrument :
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 ClientSampleId :
 TP-COMP-012424

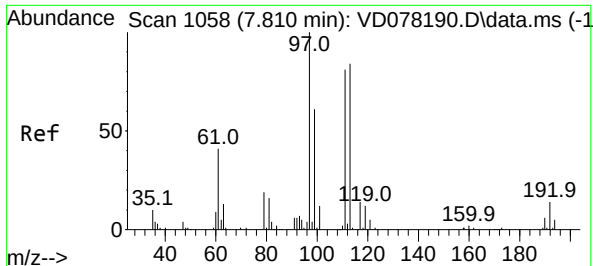
Tgt Ion: 65 Resp: 66655
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. -0.000 min
 Lab File: VD078231.D
 Acq: 24 Jan 2024 18:53

Tgt Ion: 114 Resp: 298525
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 33.4
 88 13.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 44.325 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078231.D

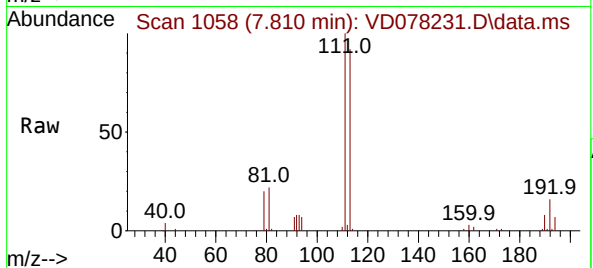
Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_D

ClientSampleId :

TP-COMP-012424



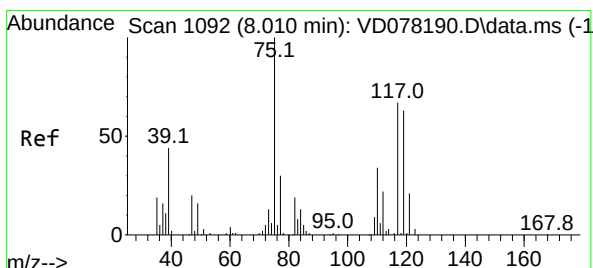
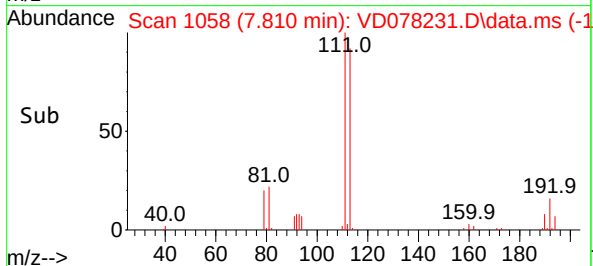
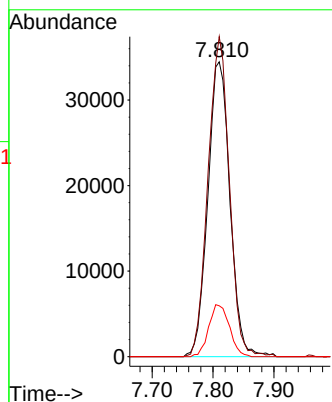
Tgt Ion:113 Resp: 87086

Ion Ratio Lower Upper

113 100

111 104.5 84.7 127.1

192 16.5 16.8 25.2#



#36

1,1-Dichloropropene

Concen: 3.953 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078231.D

Acq: 24 Jan 2024 18:53

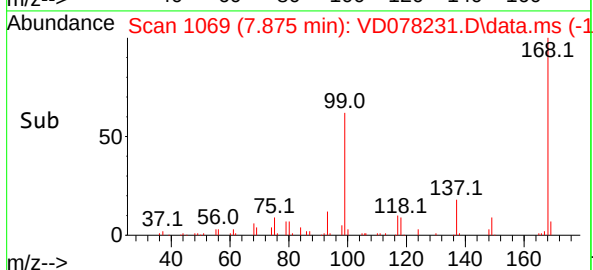
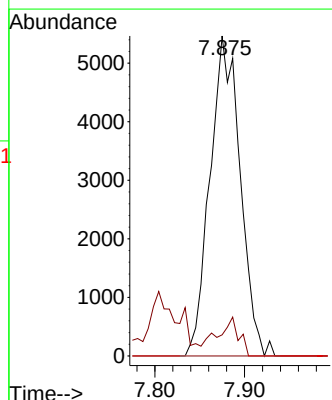
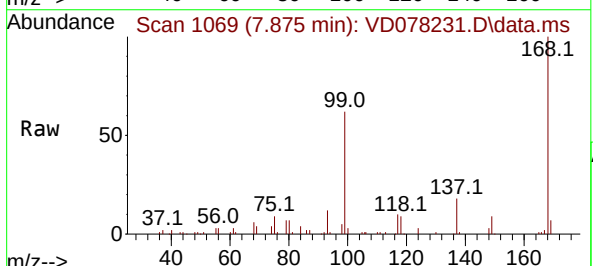
Tgt Ion: 75 Resp: 12773

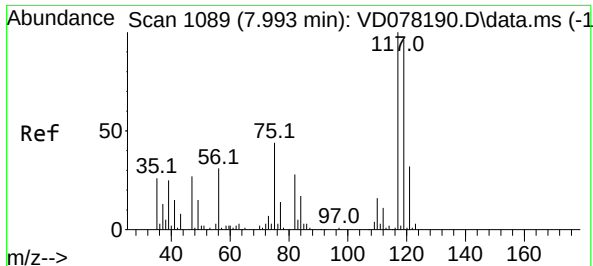
Ion Ratio Lower Upper

75 100

110 8.7 19.9 59.6#

77 0.0 24.7 37.1#

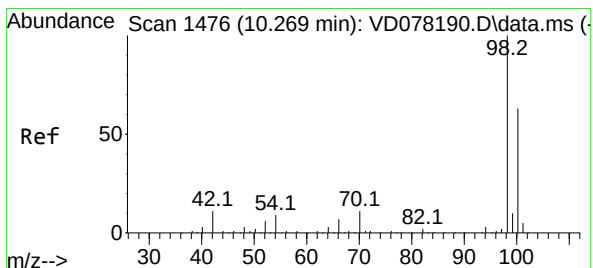
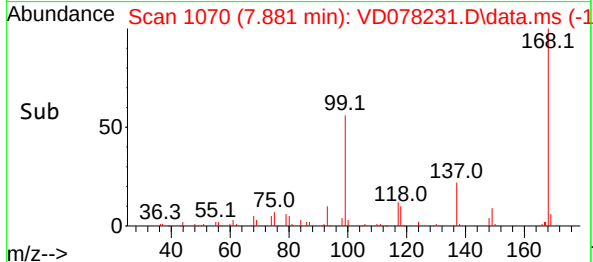
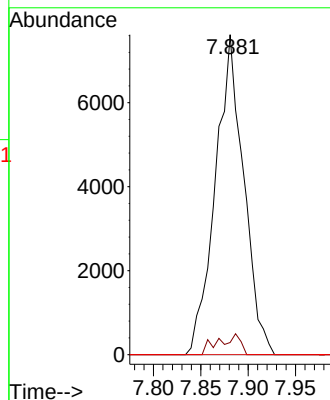
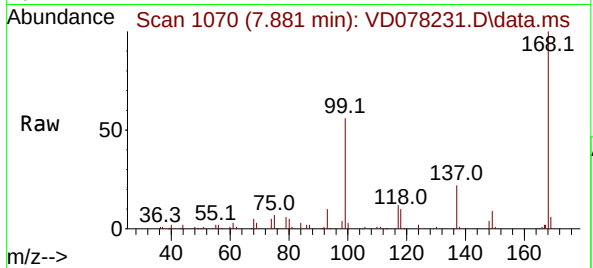




#38
Carbon Tetrachloride
Concen: 4.977 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD078231.D
Acq: 24 Jan 2024 18:53

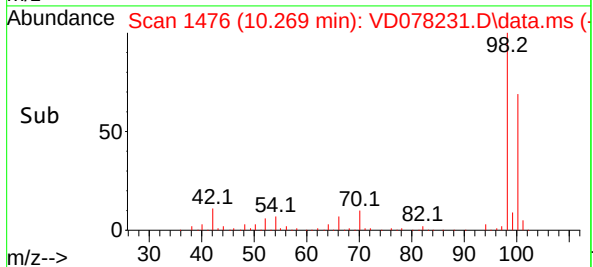
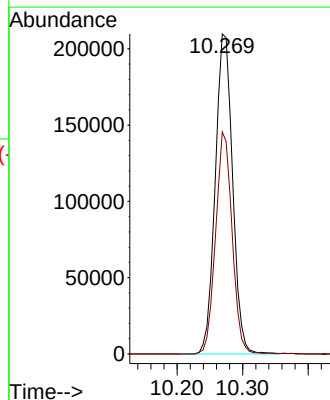
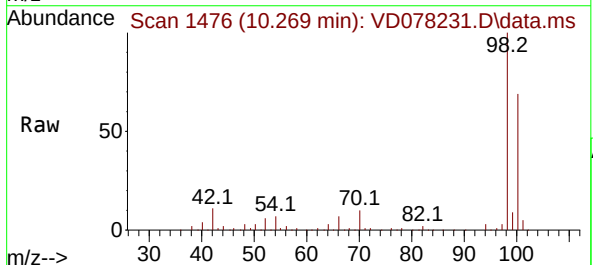
Instrument :
MSVOA_D
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TP-COMP-012424

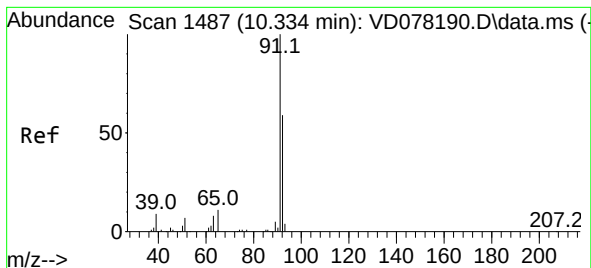
Tgt Ion:117 Resp: 15880
Ion Ratio Lower Upper
117 100
119 3.8 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.485 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078231.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 98 Resp: 384968
Ion Ratio Lower Upper
98 100
100 66.0 50.3 75.5





#52

Toluene

Concen: 3.230 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD078231.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_D

ClientSampleId :

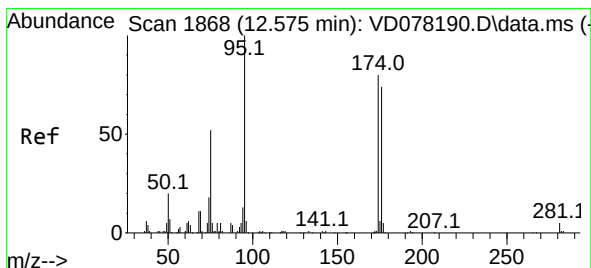
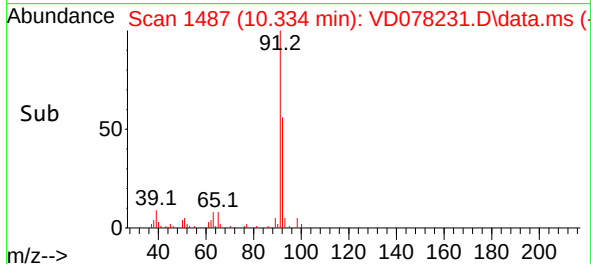
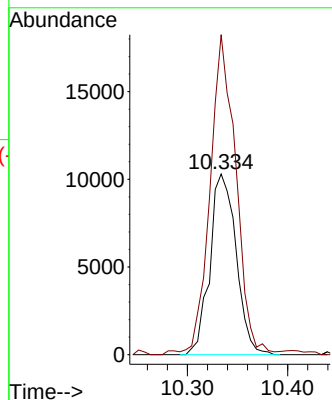
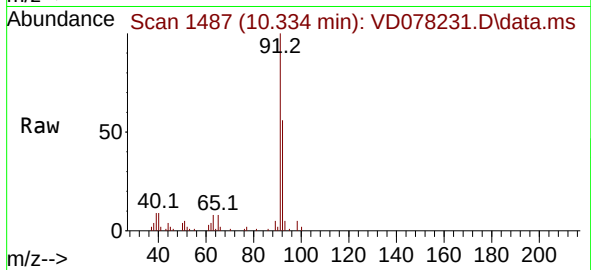
TP-COMP-012424

Tgt Ion: 92 Resp: 18769

Ion Ratio Lower Upper

92 100

91 174.5 143.0 214.4



#62

4-Bromofluorobenzene

Concen: 52.684 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD078231.D

Acq: 24 Jan 2024 18:53

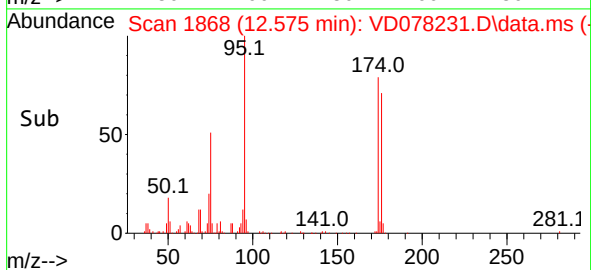
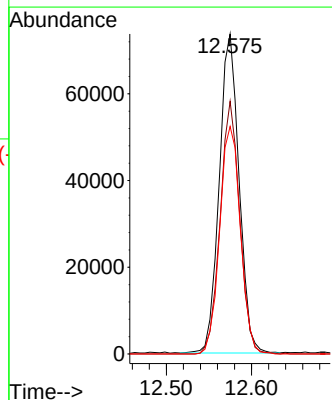
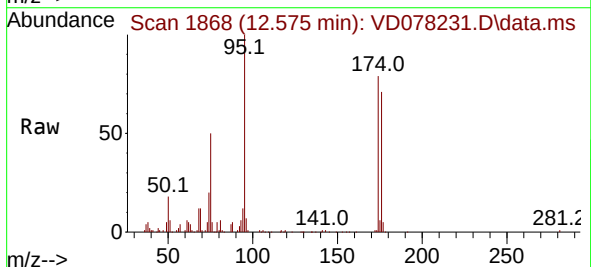
Tgt Ion: 95 Resp: 118859

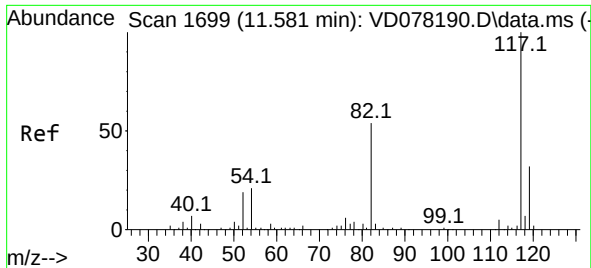
Ion Ratio Lower Upper

95 100

174 77.8 0.0 201.8

176 74.3 0.0 191.8

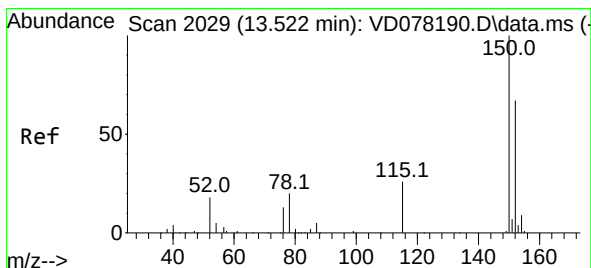
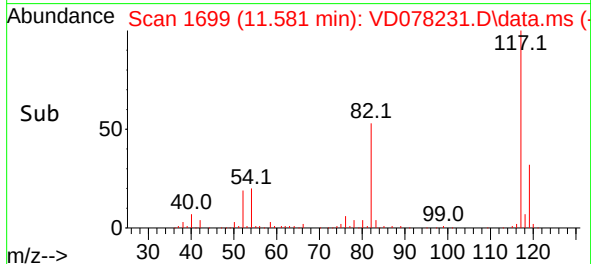
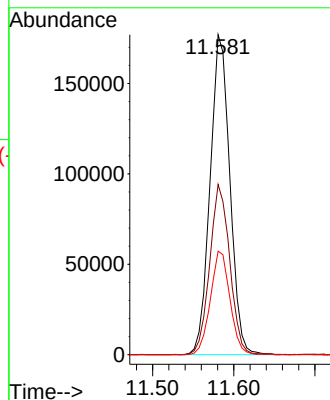
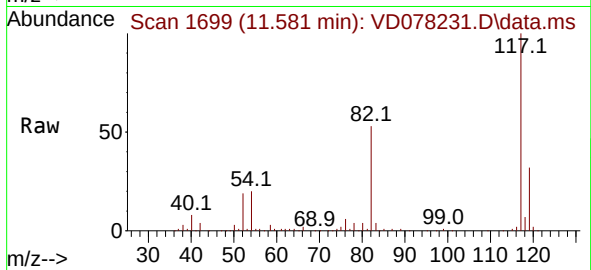




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078231.D
Acq: 24 Jan 2024 18:53

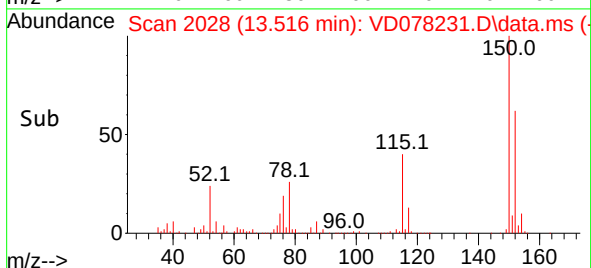
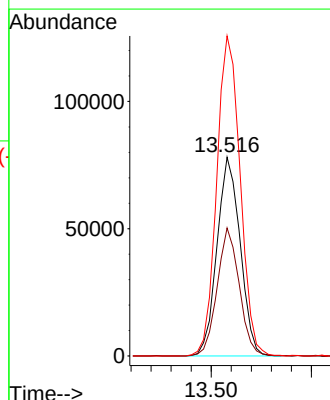
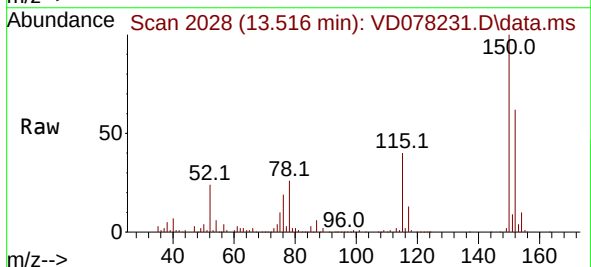
Instrument :
MSVOA_D
ClientSampleId :
TP-COMP-012424

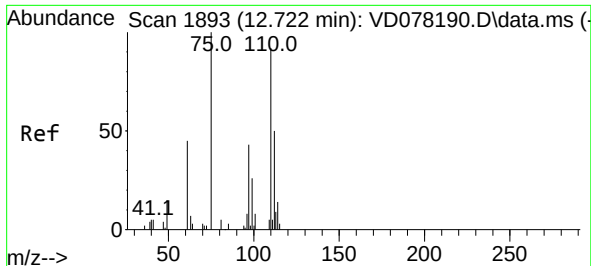
Tgt Ion:117 Resp: 299519
Ion Ratio Lower Upper
117 100
82 53.2 38.3 57.5
119 32.3 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078231.D
Acq: 24 Jan 2024 18:53

Tgt Ion:152 Resp: 125060
Ion Ratio Lower Upper
152 100
115 61.5 27.1 81.3
150 163.0 0.0 353.6

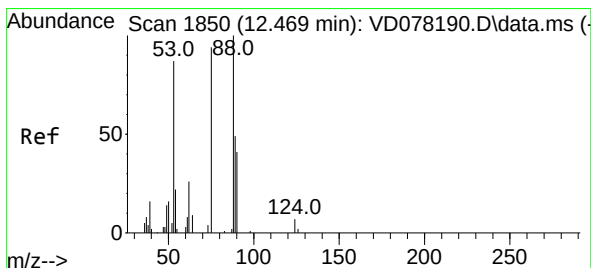
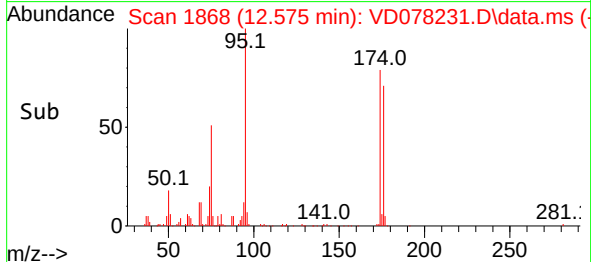
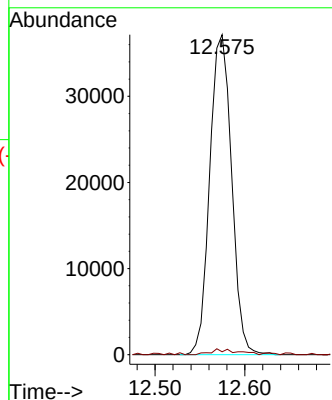
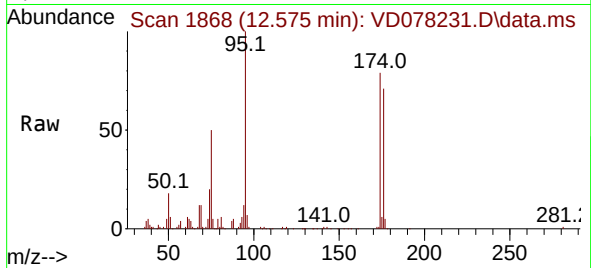




#76
1,2,3-Trichloropropane
Concen: 52.379 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078231.D
Acq: 24 Jan 2024 18:53

Instrument :
MSVOA_D
ClientSampleId :
TP-COMP-012424

Tgt Ion: 75 Resp: 62828
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.827 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078231.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 75 Resp: 62828
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

