

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022324\
 Data File : VD078542.D
 Acq On : 23 Feb 2024 18:07
 Operator : RP/MD
 Sample : P1584-01
 Misc : 5.02G/6ml/MSVOA_D/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AU-06-02232024

Quant Time: Feb 24 00:25:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

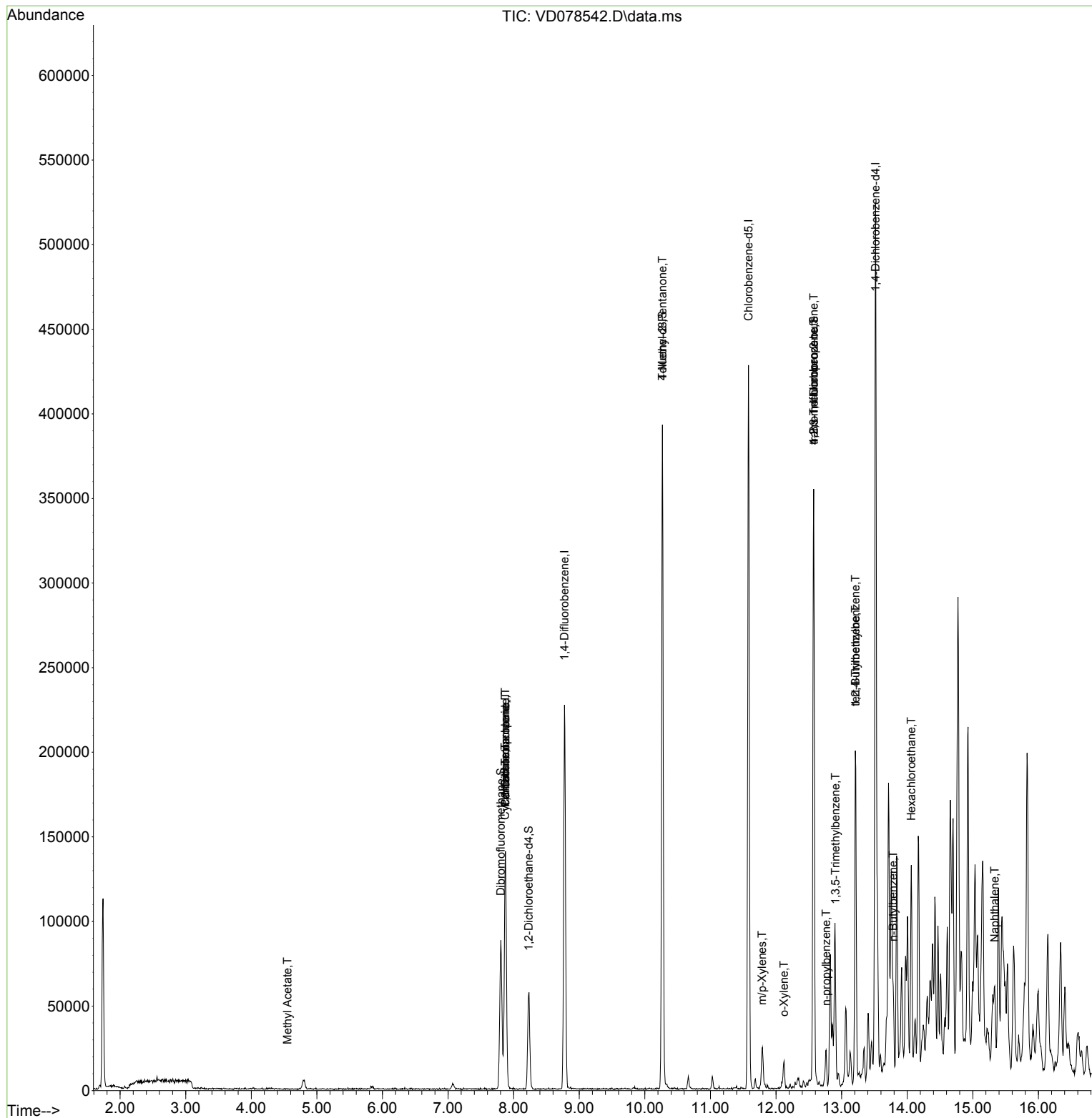
Internal Standards						
1) Pentafluorobenzene	7.875	168	107681	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	204411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	248856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	136779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	42867	36.818	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	73.640%		
35) Dibromofluoromethane	7.805	113	63078	48.579	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.160%		
50) Toluene-d8	10.269	98	265383	51.093	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.180%		
62) 4-Bromofluorobenzene	12.575	95	103962	68.779	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	137.560%		
Target Compounds						
16) Acetone	4.034	43	207	Below Cal	#	32
18) Methyl Acetate	4.552	43	53	3.998	ug/l #	42
23) Vinyl Acetate	6.228	43	54	Below Cal	#	63
25) 2-Butanone	7.187	43	61	Below Cal	#	37
31) Cyclohexane	7.869	56	2677	1.359	ug/l #	60
36) 1,1-Dichloropropene	7.875	75	9319	4.620	ug/l #	46
38) Carbon Tetrachloride	7.875	117	10636	5.324	ug/l #	16
51) 4-Methyl-2-Pentanone	10.269	43	918	1.321	ug/l #	1
68) m/p-Xylenes	11.787	106	6887	1.970	ug/l	99
69) o-Xylene	12.122	106	4399	1.379	ug/l	95
76) 1,2,3-Trichloropropane	12.575	75	55255	47.584	ug/l #	100
78) n-propylbenzene	12.763	91	16406	1.433	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	23086	3.027	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.575	75	55255	98.785	ug/l #	17
83) tert-Butylbenzene	13.210	119	13906	2.162	ug/l #	63
84) 1,2,4-Trimethylbenzene	13.210	105	108743	14.049	ug/l	96
89) n-Butylbenzene	13.787	91	32936	4.022	ug/l #	74
90) Hexachloroethane	14.063	117	6415	3.674	ug/l #	11
95) Naphthalene	15.334	128	24726	5.864	ug/l	99

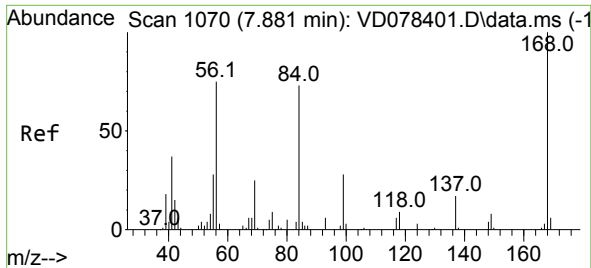
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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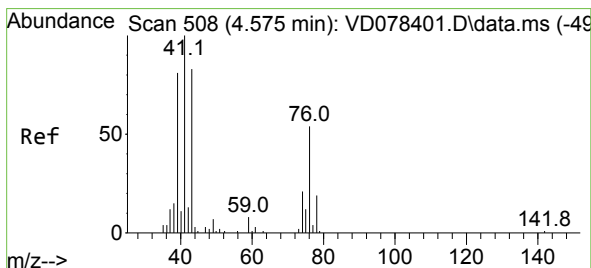
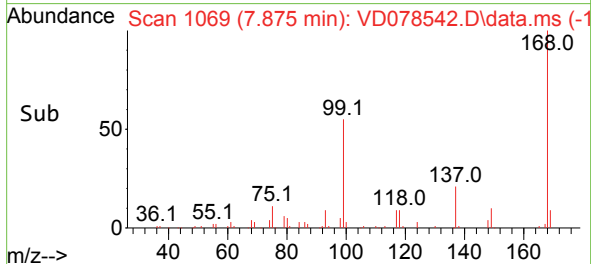
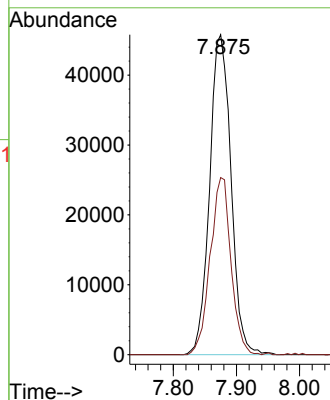
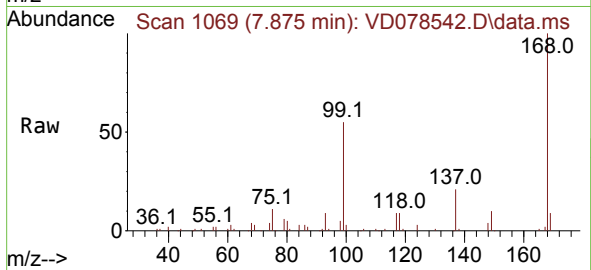




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

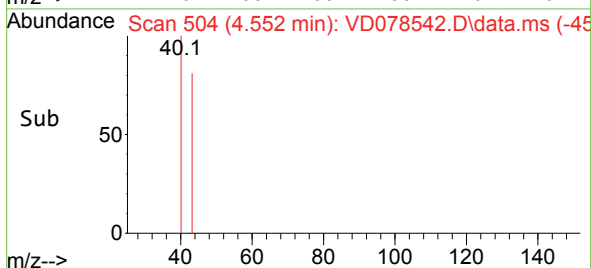
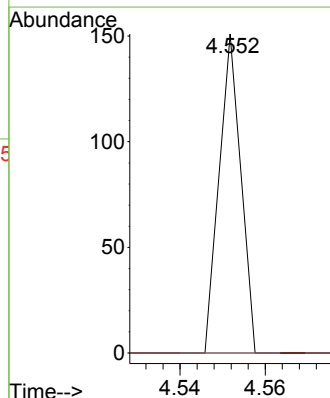
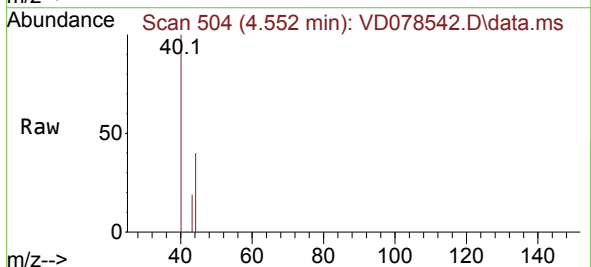
Instrument :
MSVOA_D
ClientSampleId :
AU-06-02232024

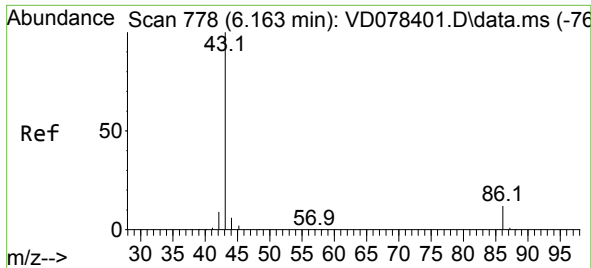
Tgt Ion:168 Resp: 107681
Ion Ratio Lower Upper
168 100
99 55.4 36.7 55.1#



#18
Methyl Acetate
Concen: 3.998 ug/l
RT: 4.552 min Scan# 504
Delta R.T. -0.023 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#

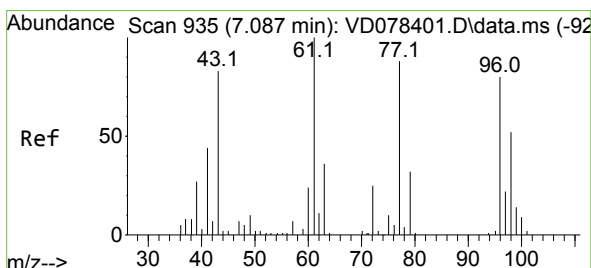
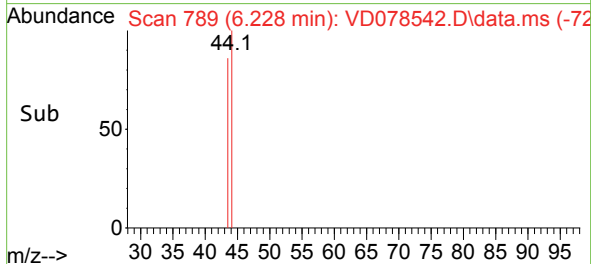
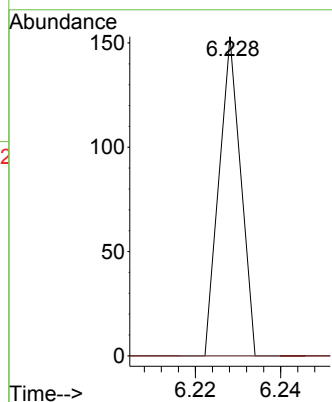
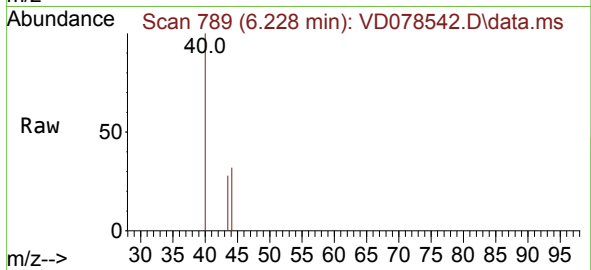




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.228 min Scan# 71
 Delta R.T. 0.065 min
 Lab File: VD078542.D
 Acq: 23 Feb 2024 18:07

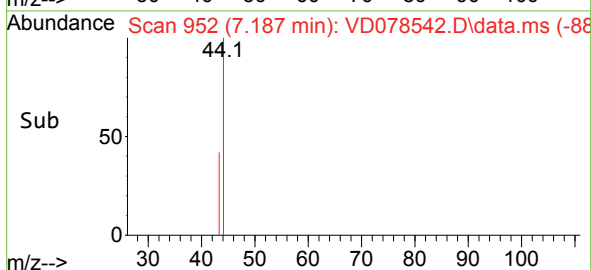
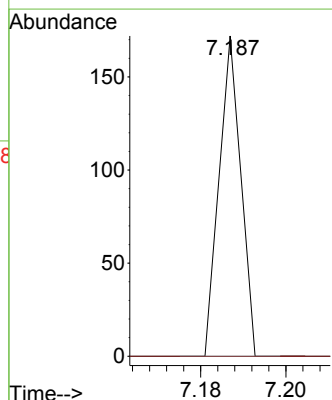
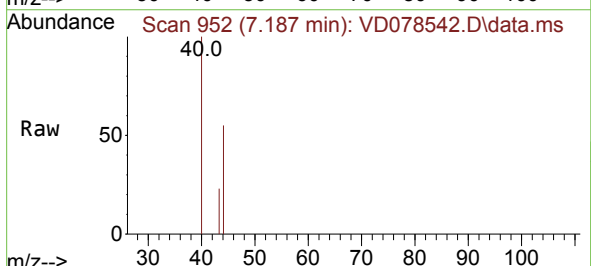
Instrument :
 MSVOA_D
 ClientSampleId :
 AU-06-02232024

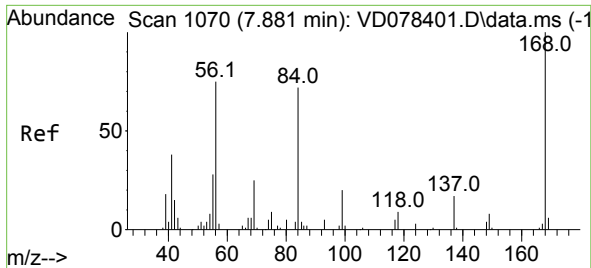
Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 86 0.0 12.5 18.7#



#25
 2-Butanone
 Concen: Below Cal
 RT: 7.187 min Scan# 952
 Delta R.T. 0.100 min
 Lab File: VD078542.D
 Acq: 23 Feb 2024 18:07

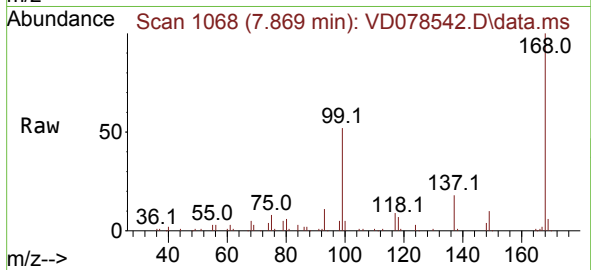
Tgt Ion: 43 Resp: 61
 Ion Ratio Lower Upper
 43 100
 72 0.0 30.7 46.1#



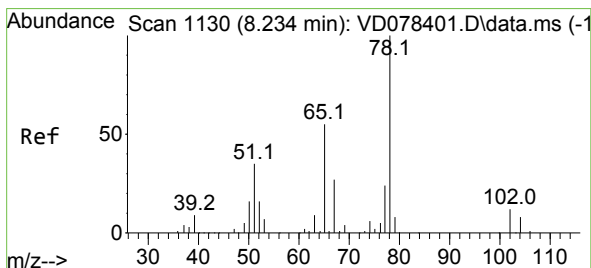
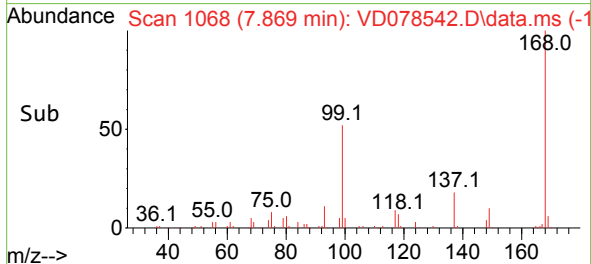
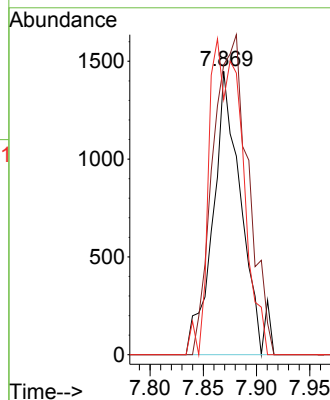


#31
Cyclohexane
Concen: 1.359 ug/l
RT: 7.869 min Scan# 1106
Delta R.T. -0.012 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

Instrument :
MSVOA_D
ClientSampleId :
AU-06-02232024

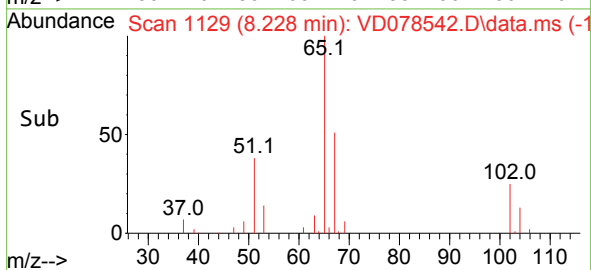
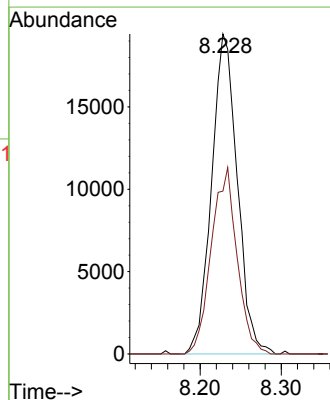
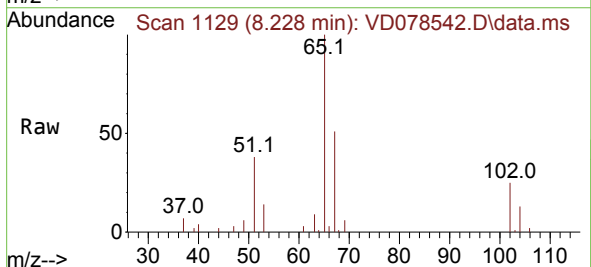


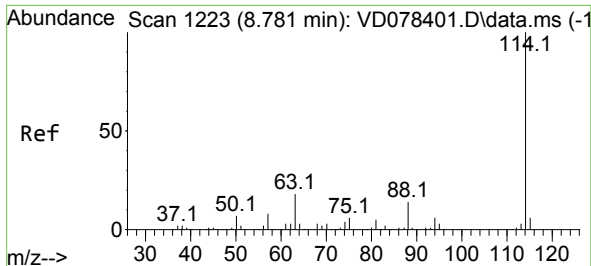
Tgt Ion: 56 Resp: 2677
Ion Ratio Lower Upper
56 100
69 102.3 28.6 43.0#
84 90.1 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 36.818 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

Tgt Ion: 65 Resp: 42867
Ion Ratio Lower Upper
65 100
67 58.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078542.D

Acq: 23 Feb 2024 18:07

Instrument :

MSVOA_D

ClientSampleId :

AU-06-02232024

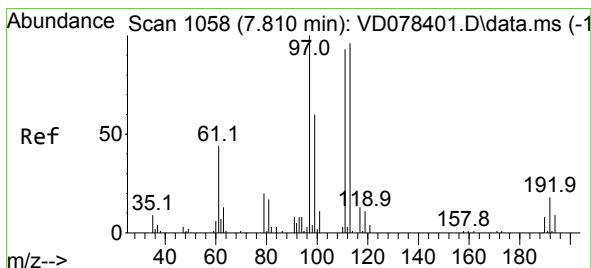
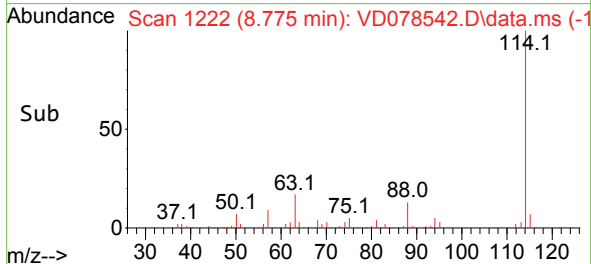
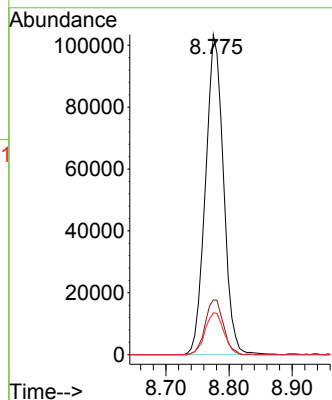
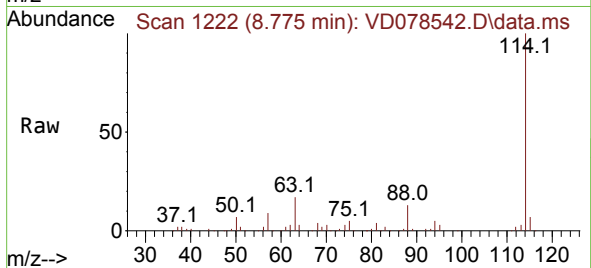
Tgt Ion:114 Resp: 204411

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.4

88 13.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.579 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078542.D

Acq: 23 Feb 2024 18:07

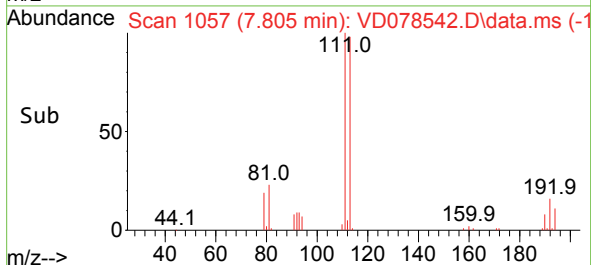
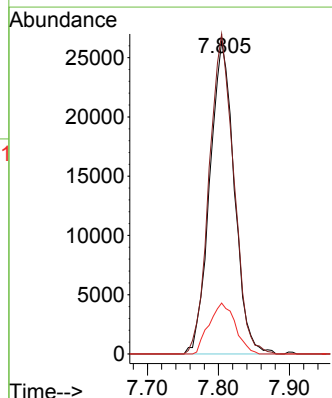
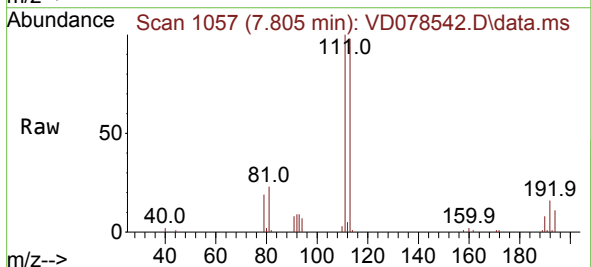
Tgt Ion:113 Resp: 63078

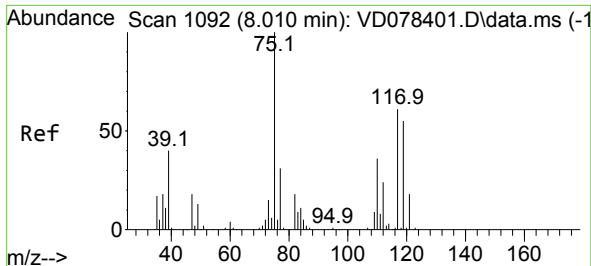
Ion Ratio Lower Upper

113 100

111 103.2 84.7 127.1

192 17.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.620 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078542.D

Acq: 23 Feb 2024 18:07

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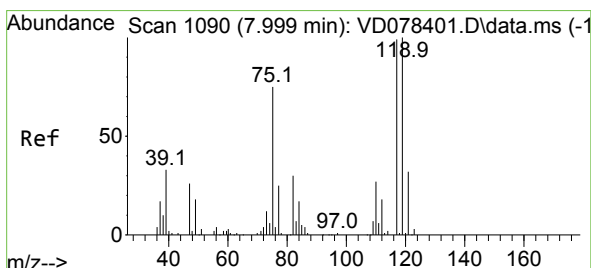
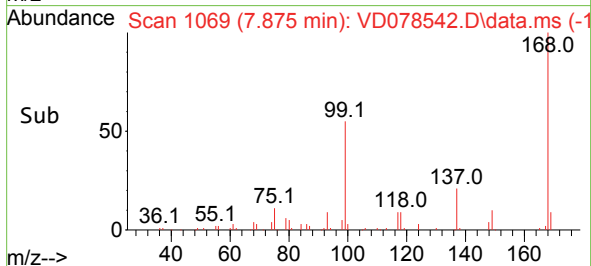
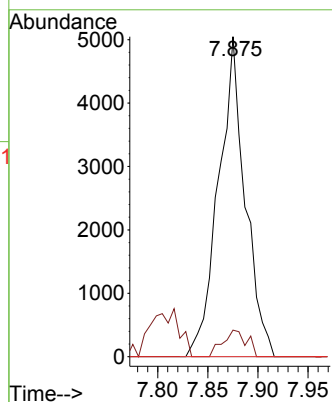
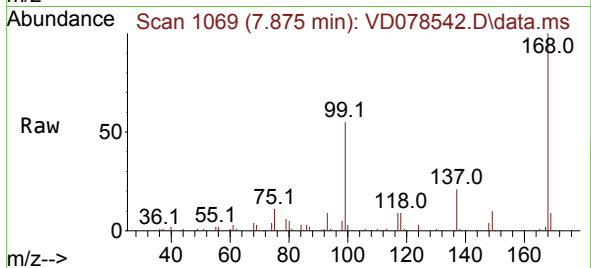
Tgt Ion: 75 Resp: 9319

Ion Ratio Lower Upper

75 100

110 7.5 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.324 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.124 min

Lab File: VD078542.D

Acq: 23 Feb 2024 18:07

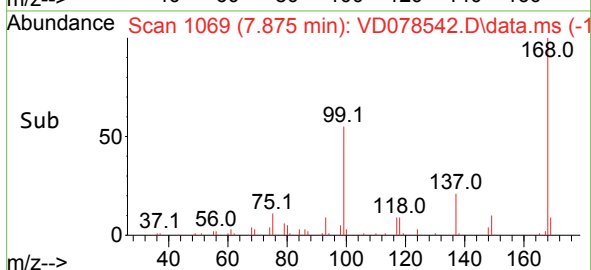
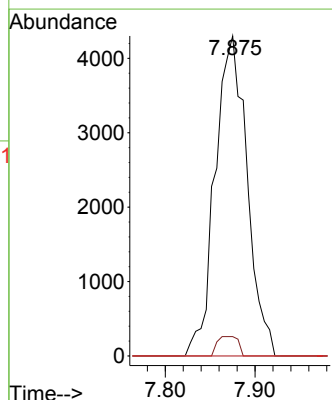
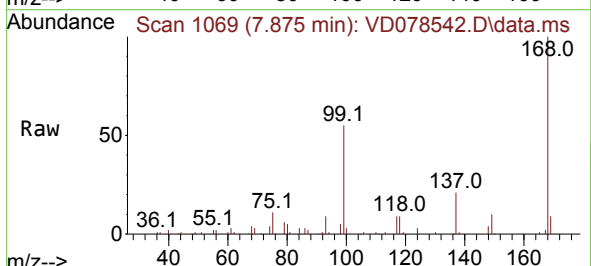
Tgt Ion: 117 Resp: 10636

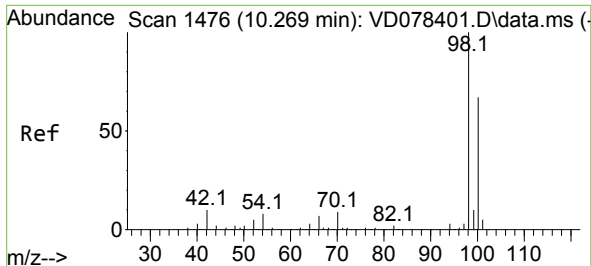
Ion Ratio Lower Upper

117 100

119 6.0 78.0 117.0#

121 0.0 24.2 36.2#

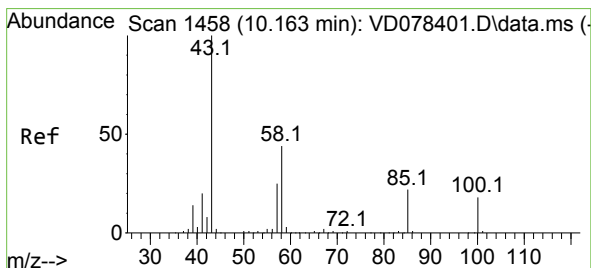
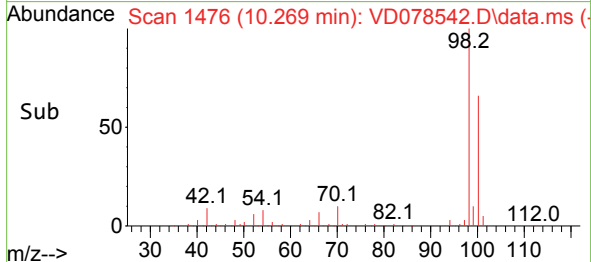
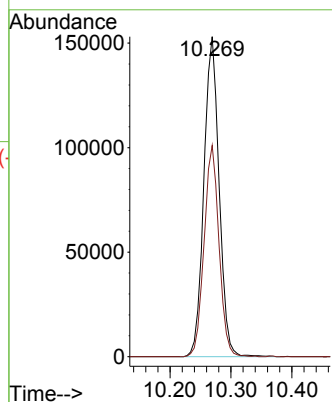
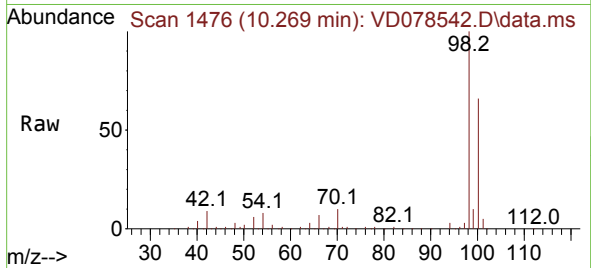




#50
Toluene-d8
Concen: 51.093 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

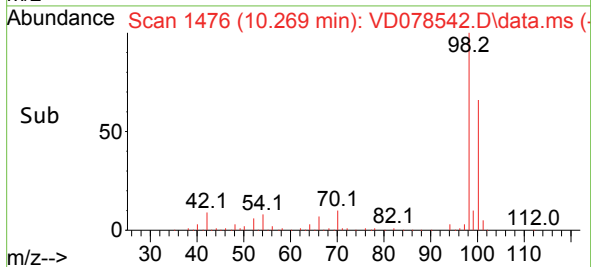
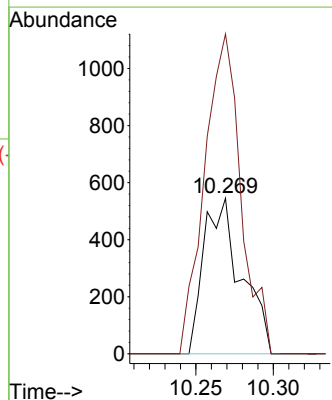
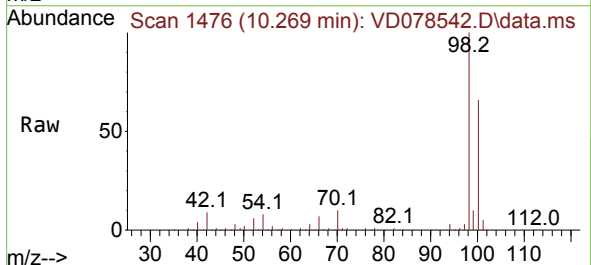
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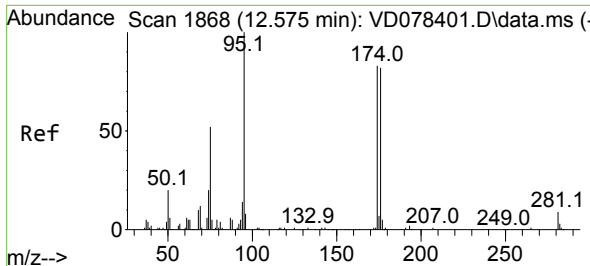
Tgt Ion: 98 Resp: 265383
Ion Ratio Lower Upper
98 100
100 64.7 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.321 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.106 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

Tgt Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
58 199.5 38.9 58.3#

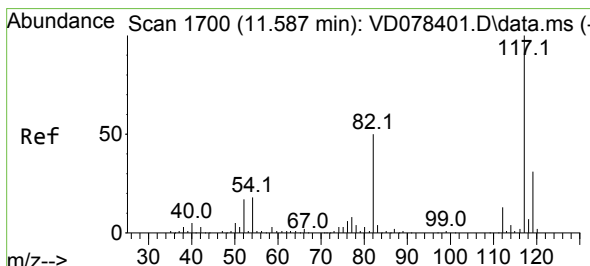
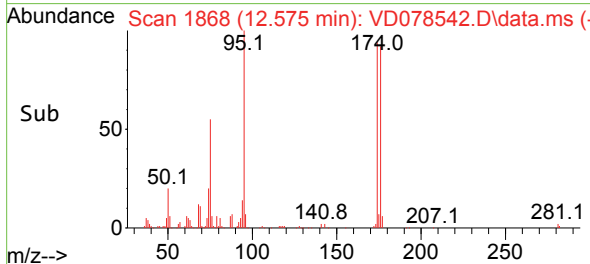
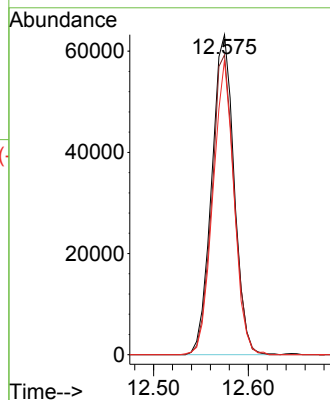
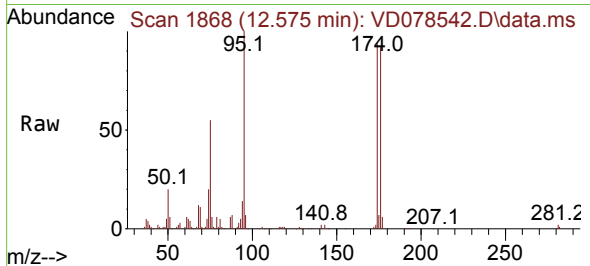




#62
4-Bromofluorobenzene
Concen: 68.779 ug/l
RT: 12.575 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

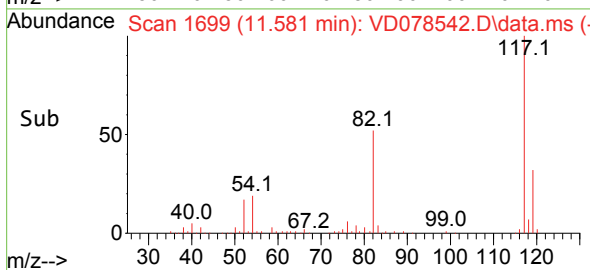
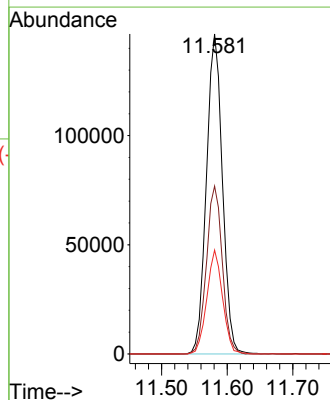
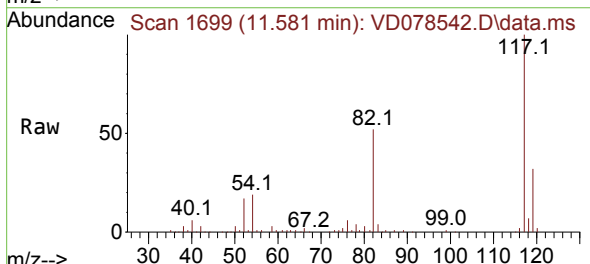
Instrument :
MSVOA_D
ClientSampleId :
AU-06-02232024

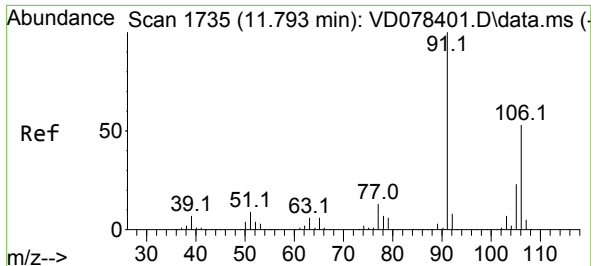
Tgt Ion:	95	Resp:	103962
Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	201.8
176	86.2	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

Tgt Ion:	117	Resp:	248856
Ion	Ratio	Lower	Upper
117	100		
82	52.4	38.3	57.5
119	32.4	25.0	37.4

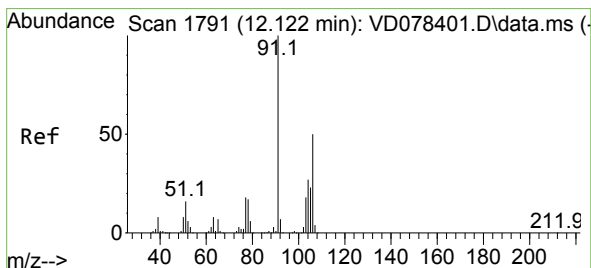
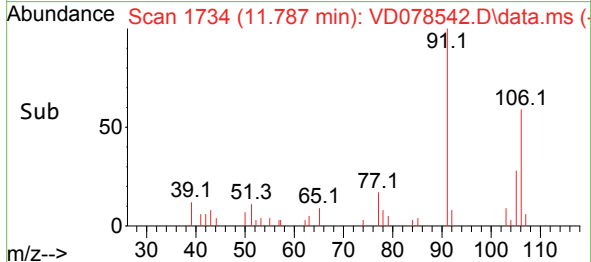
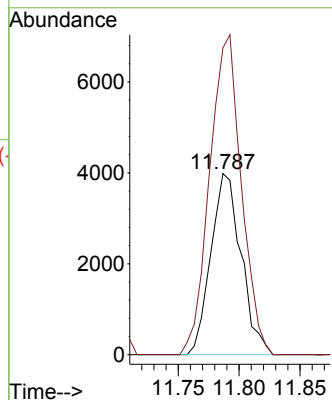
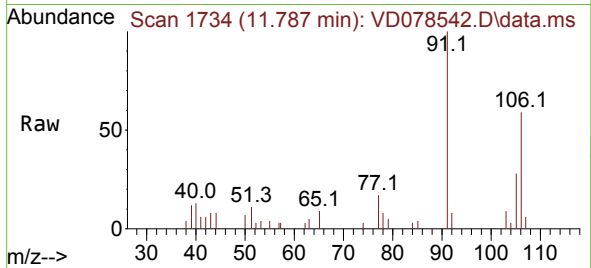




#68
m/p-Xylenes
Concen: 1.970 ug/l
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

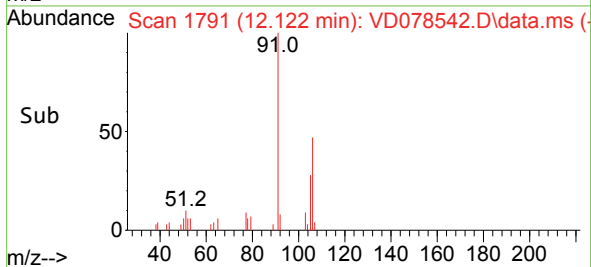
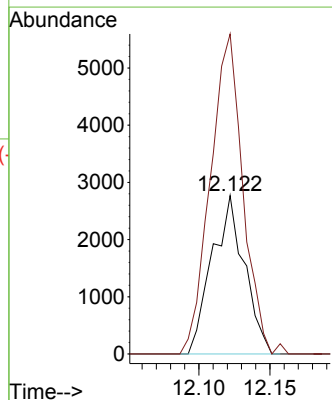
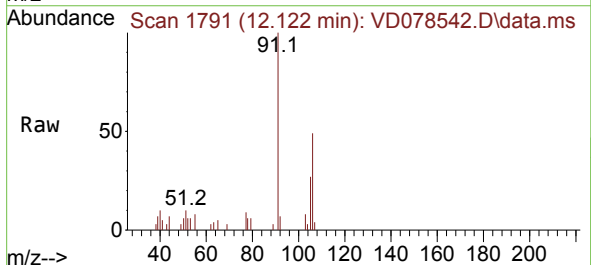
Instrument :
MSVOA_D
ClientSampleId :
AU-06-02232024

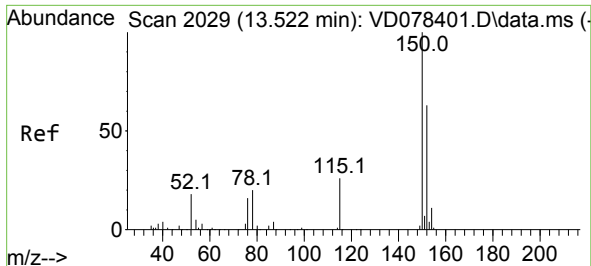
Tgt Ion:106 Resp: 6887
Ion Ratio Lower Upper
106 100
91 185.1 147.0 220.6



#69
o-Xylene
Concen: 1.379 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

Tgt Ion:106 Resp: 4399
Ion Ratio Lower Upper
106 100
91 203.2 97.9 293.6

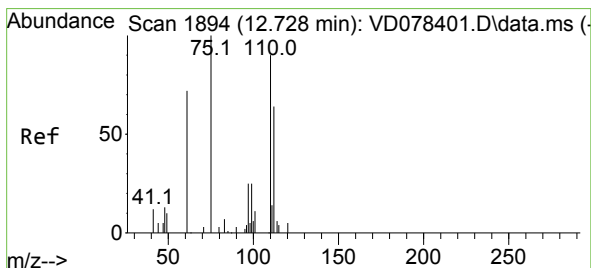
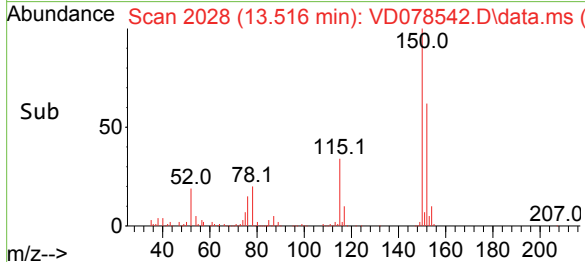
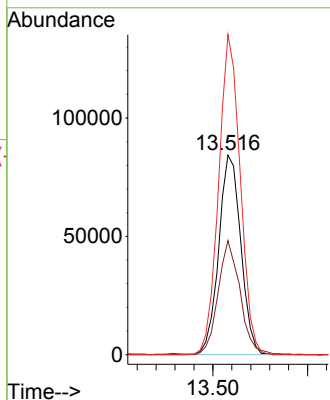
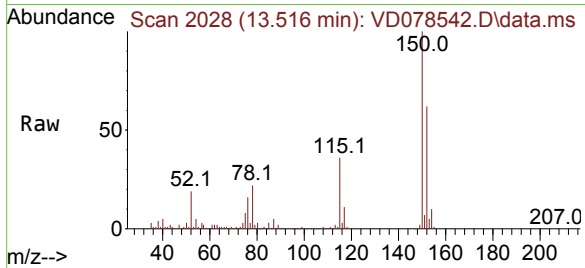




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD078542.D
 Acq: 23 Feb 2024 18:07

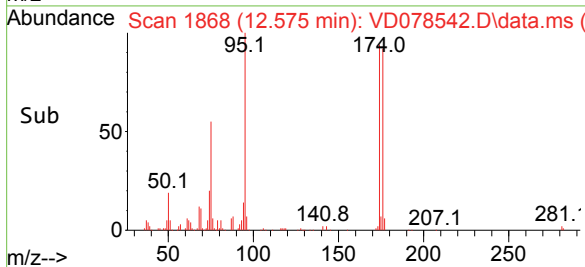
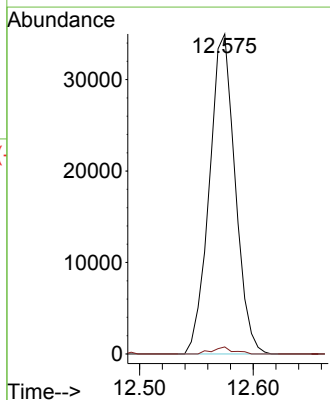
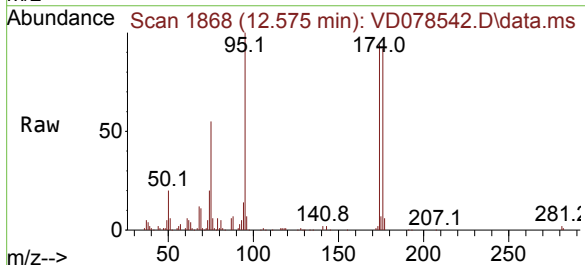
Instrument :
 MSVOA_D
 ClientSampleId :
 AU-06-02232024

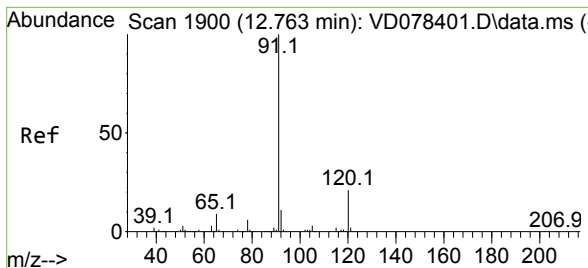
Tgt Ion:152 Resp: 136779
 Ion Ratio Lower Upper
 152 100
 115 57.0 27.1 81.3
 150 156.6 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 47.584 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD078542.D
 Acq: 23 Feb 2024 18:07

Tgt Ion: 75 Resp: 55255
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#78

n-propylbenzene

Concen: 1.433 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. -0.000 min

Lab File: VD078542.D

Acq: 23 Feb 2024 18:07

Instrument :

MSVOA_D

ClientSampleId :

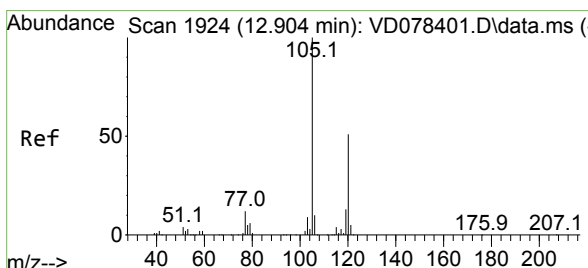
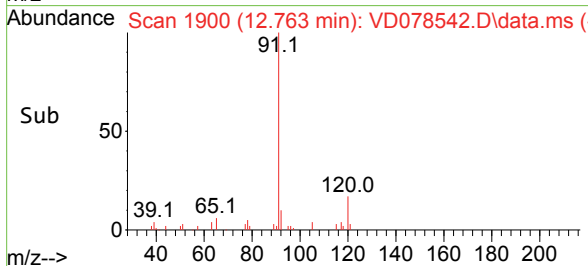
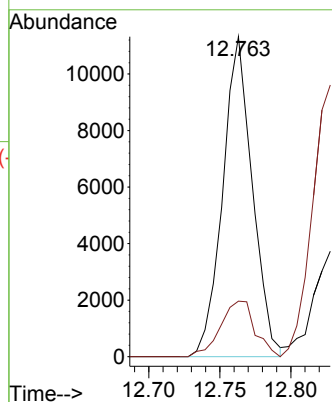
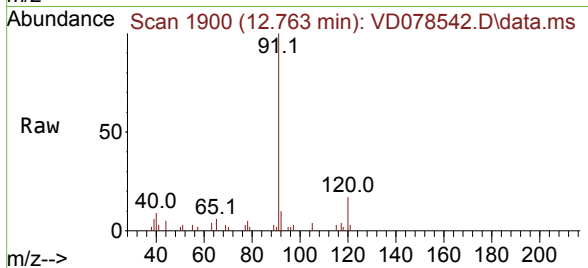
AU-06-02232024

Tgt Ion: 91 Resp: 16406

Ion Ratio Lower Upper

91 100

120 20.2 12.4 37.2



#80

1,3,5-Trimethylbenzene

Concen: 3.027 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD078542.D

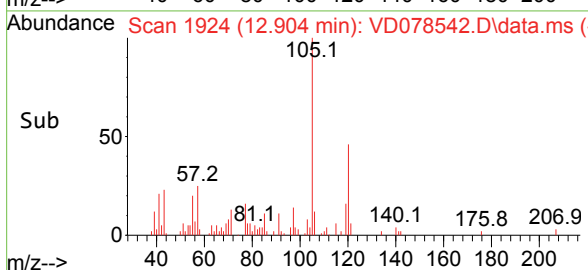
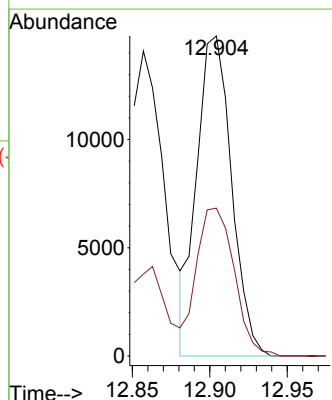
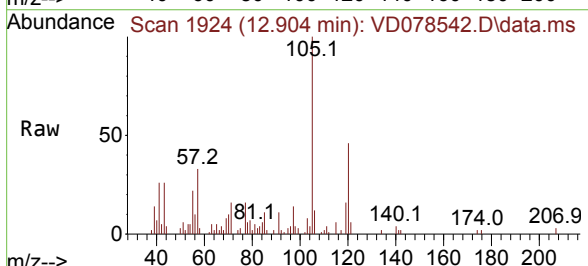
Acq: 23 Feb 2024 18:07

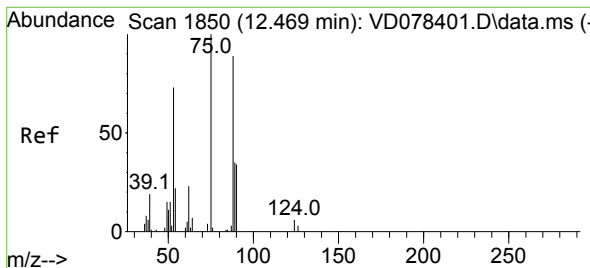
Tgt Ion: 105 Resp: 23086

Ion Ratio Lower Upper

105 100

120 50.1 26.4 79.2

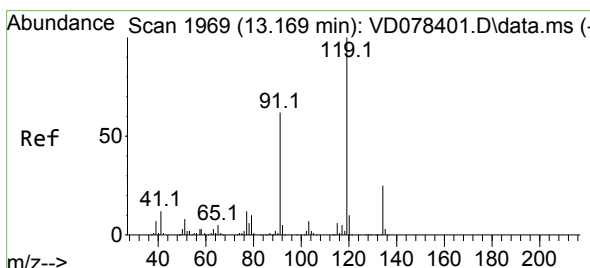
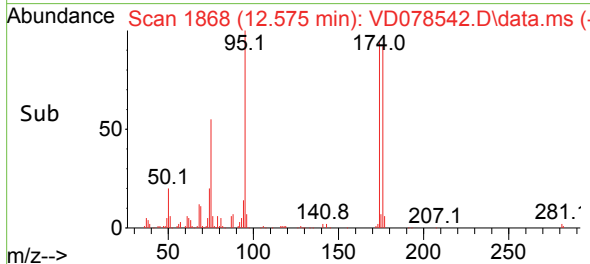
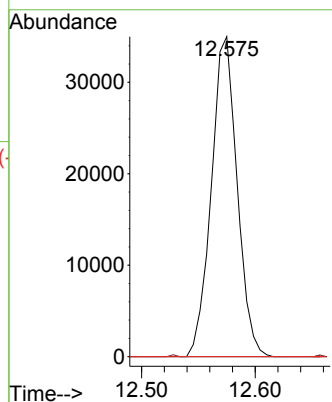
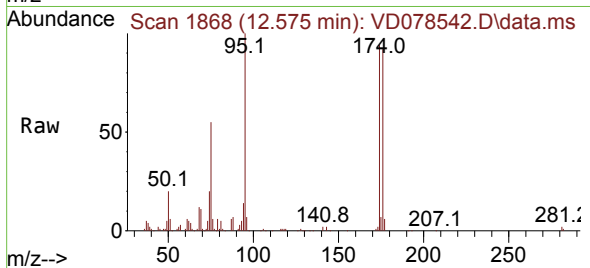




#81
trans-1,4-Dichloro-2-butene
Concen: 98.785 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

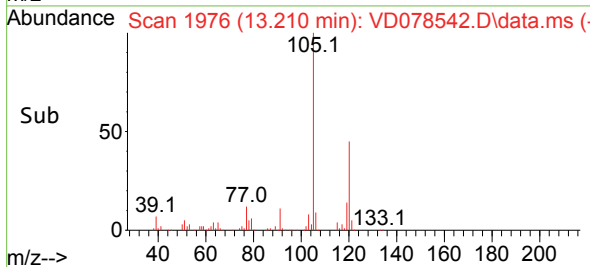
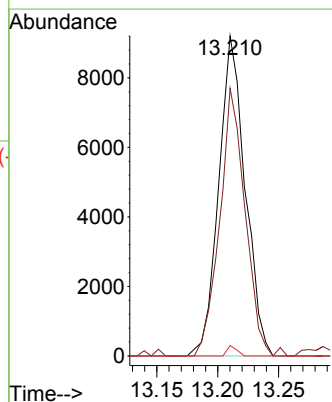
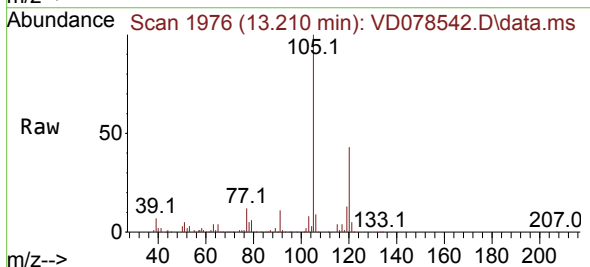
Instrument :
MSVOA_D
ClientSampleId :
AU-06-02232024

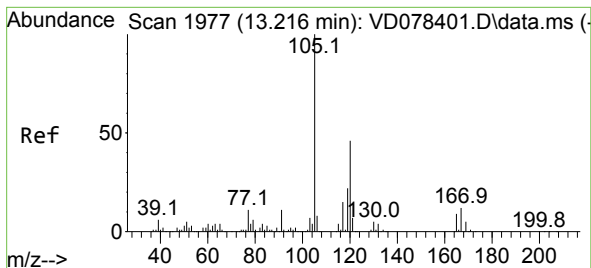
Tgt Ion:	75	Resp:	55255
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#



#83
tert-Butylbenzene
Concen: 2.162 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.041 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

Tgt Ion:	119	Resp:	13906
Ion	Ratio	Lower	Upper
119	100		
91	80.6	29.3	87.8
134	1.2	14.1	42.3#





#84

1,2,4-Trimethylbenzene

Concen: 14.049 ug/l

RT: 13.210 min Scan# 1977

Delta R.T. -0.006 min

Lab File: VD078542.D

Acq: 23 Feb 2024 18:07

Instrument :

MSVOA_D

ClientSampleId :

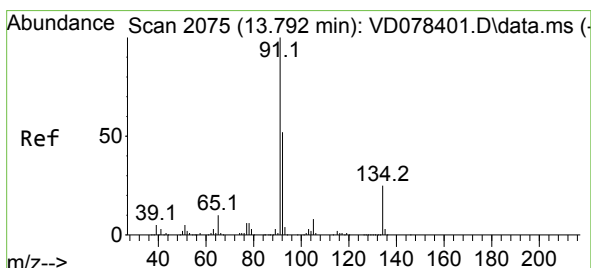
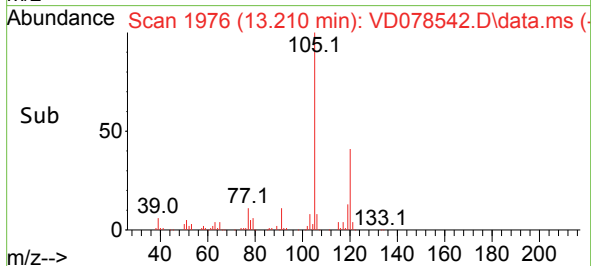
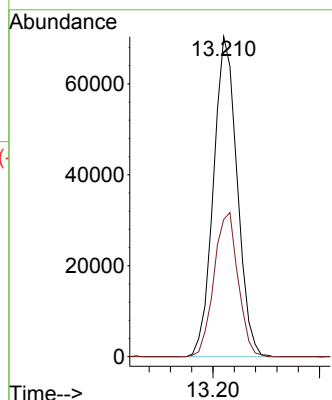
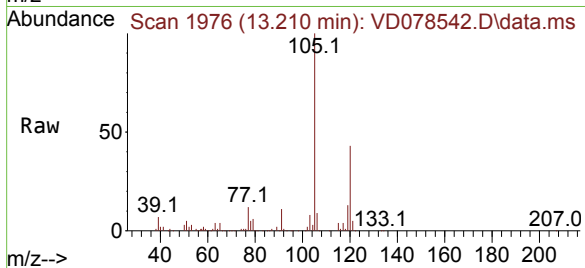
AU-06-02232024

Tgt Ion:105 Resp: 108743

Ion Ratio Lower Upper

105 100

120 45.7 24.3 72.9



#89

n-Butylbenzene

Concen: 4.022 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. -0.006 min

Lab File: VD078542.D

Acq: 23 Feb 2024 18:07

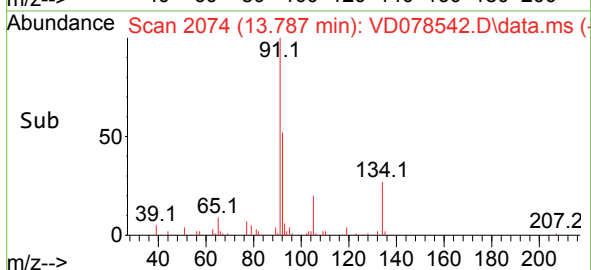
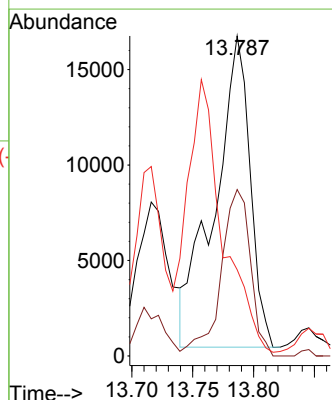
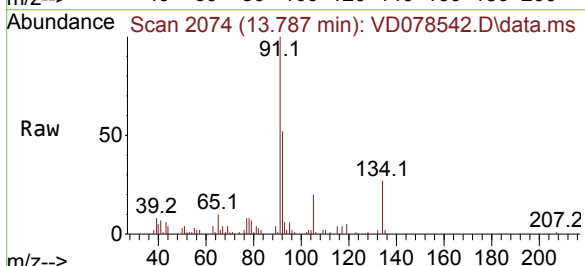
Tgt Ion: 91 Resp: 32936

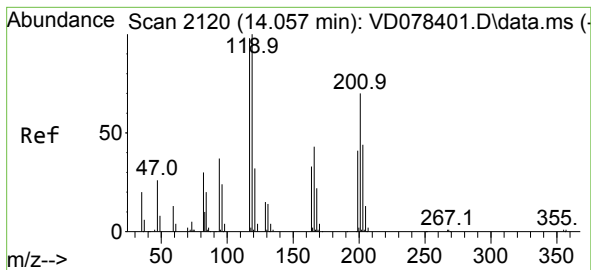
Ion Ratio Lower Upper

91 100

92 44.7 26.5 79.5

134 0.0 13.8 41.3#

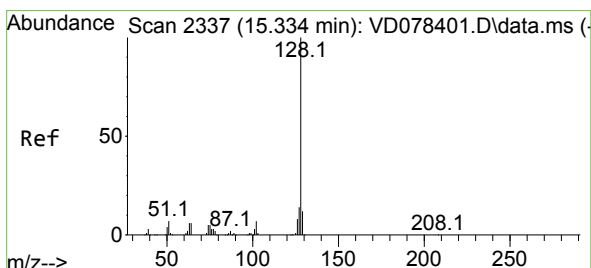
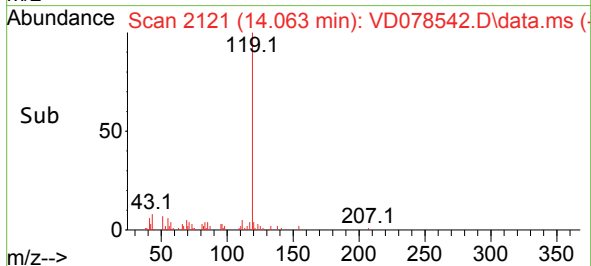
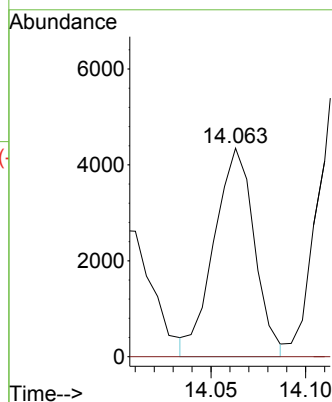
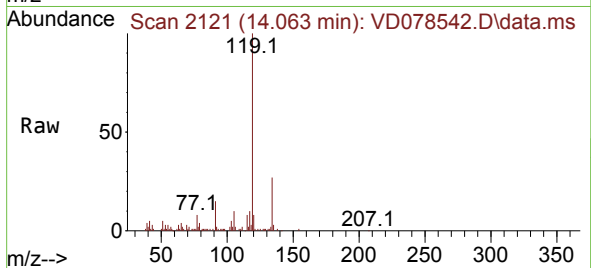




#90
Hexachloroethane
Concen: 3.674 ug/l
RT: 14.063 min Scan# 2120
Delta R.T. 0.006 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

Instrument :
MSVOA_D
ClientSampleId :
AU-06-02232024

Tgt Ion:117 Resp: 6415
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#



#95
Naphthalene
Concen: 5.864 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD078542.D
Acq: 23 Feb 2024 18:07

Tgt Ion:128 Resp: 24726
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 11.0 8.7 13.1

