

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022124\
 Data File : VD078505.D
 Acq On : 21 Feb 2024 18:04
 Operator : RP/MD
 Sample : P1545-02RE
 Misc : 5.05G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 287

Quant Time: Feb 22 00:06:47 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)

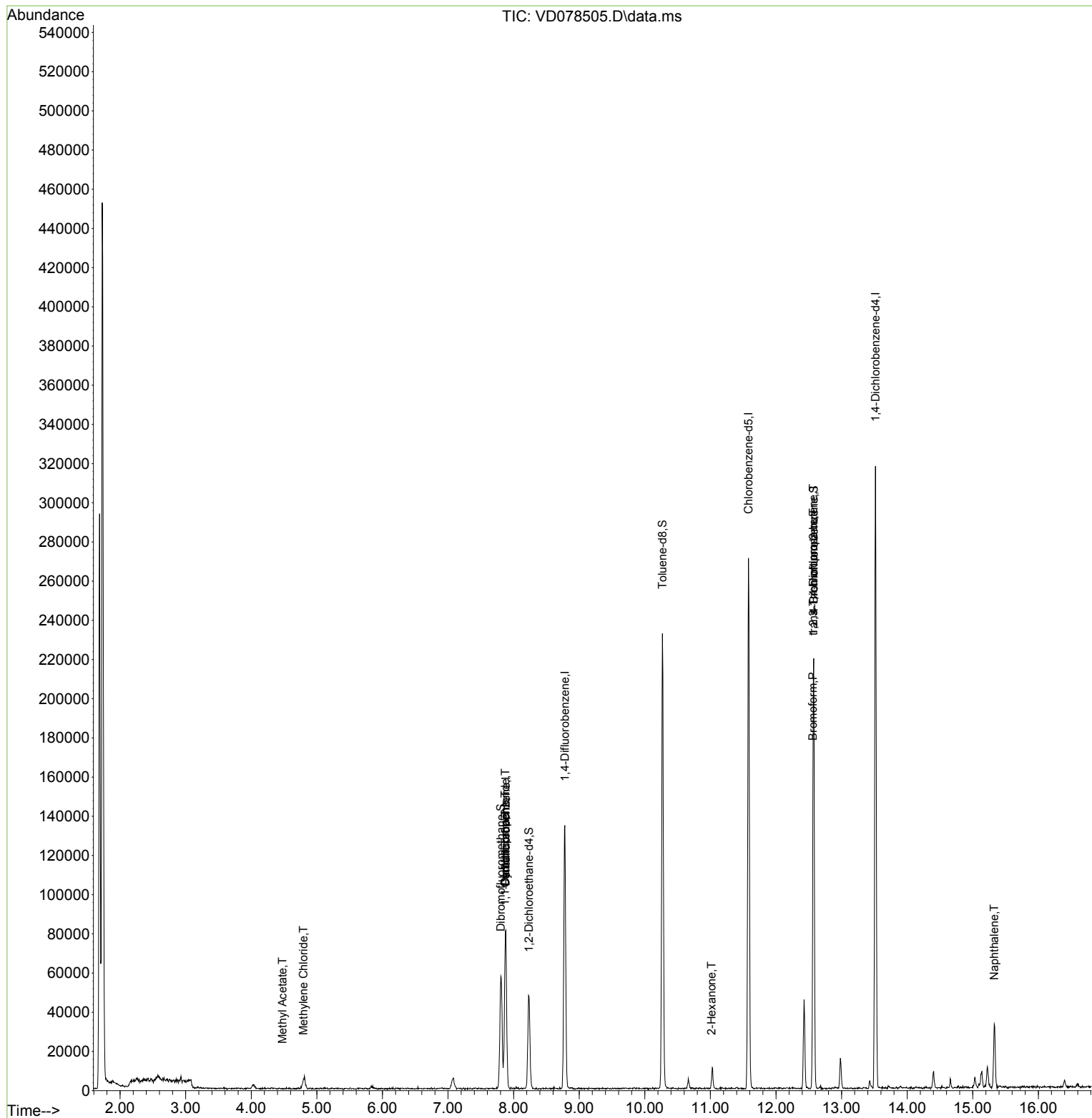
Internal Standards						
1) Pentafluorobenzene	7.881	168	62050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	122117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	160591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	85727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	37237	55.502	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.000%			
35) Dibromofluoromethane	7.805	113	42615	54.937	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.880%			
50) Toluene-d8	10.269	98	162285	52.299	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.600%			
62) 4-Bromofluorobenzene	12.575	95	67680	74.950	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 149.900%#			
Target Compounds						
16) Acetone	4.022	43	1583	Below Cal	Qvalue 94	
18) Methyl Acetate	4.475	43	57	4.050 ug/l #	42	
20) Methylene Chloride	4.793	84	4588	3.141 ug/l #	86	
25) 2-Butanone	7.081	43	215	Below Cal #	37	
31) Cyclohexane	7.875	56	1525	1.344 ug/l #	1	
36) 1,1-Dichloropropene	7.869	75	5028	4.172 ug/l #	41	
38) Carbon Tetrachloride	7.875	117	5812	4.870 ug/l #	17	
59) 2-Hexanone	11.016	43	525	1.683 ug/l #	16	
71) Bromoform	12.563	173	626	1.002 ug/l #	28	
76) 1,2,3-Trichloropropane	12.569	75	36061	49.548 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.569	75	36061	102.863 ug/l #	17	
95) Naphthalene	15.328	128	30096	11.387 ug/l #	95	

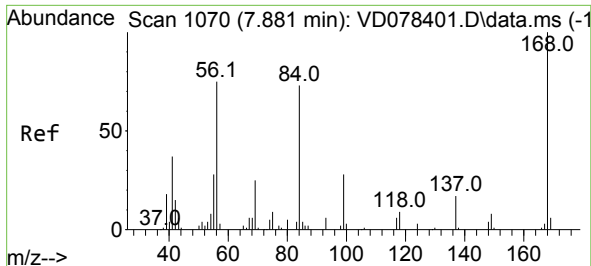
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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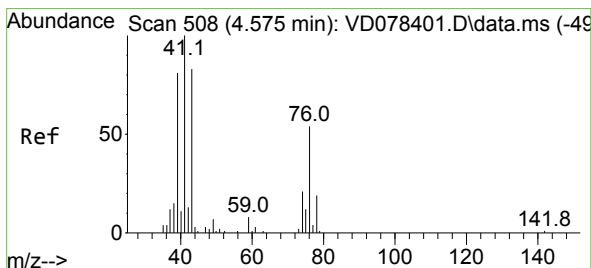
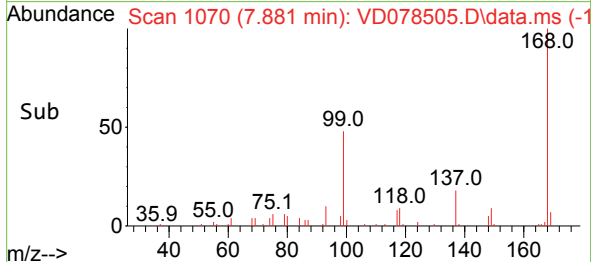
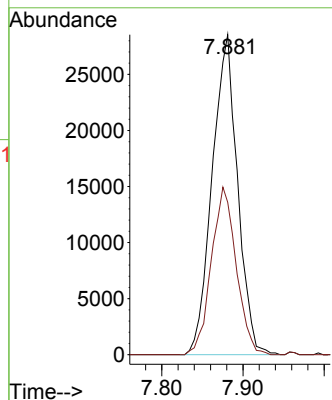
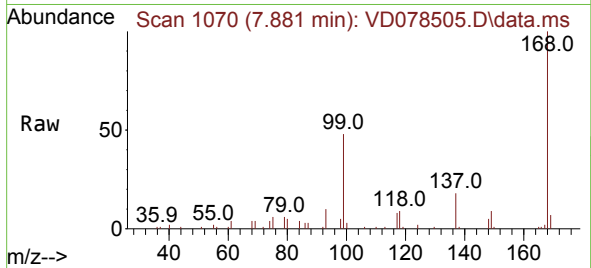




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078505.D
Acq: 21 Feb 2024 18:04

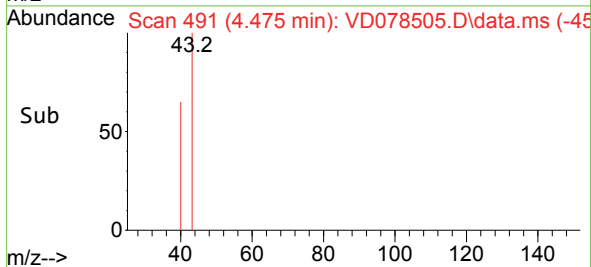
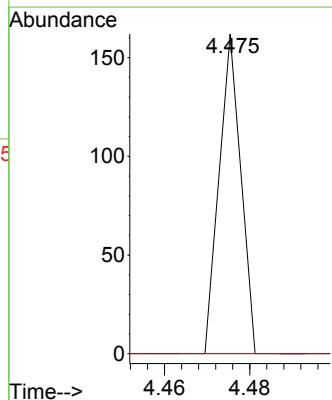
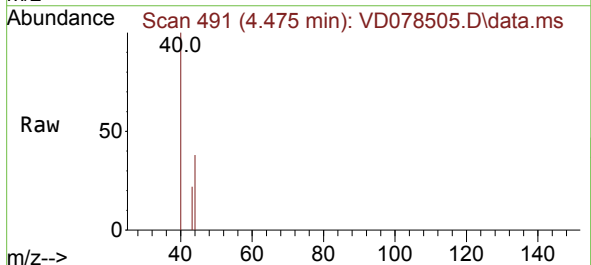
Instrument :
MSVOA_D
ClientSampleId :
287

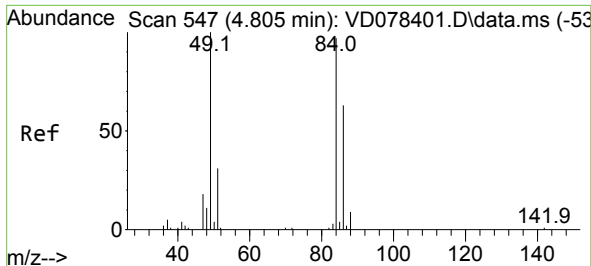
Tgt Ion:168 Resp: 62050
Ion Ratio Lower Upper
168 100
99 47.6 36.7 55.1



#18
Methyl Acetate
Concen: 4.050 ug/l
RT: 4.475 min Scan# 491
Delta R.T. -0.100 min
Lab File: VD078505.D
Acq: 21 Feb 2024 18:04

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#

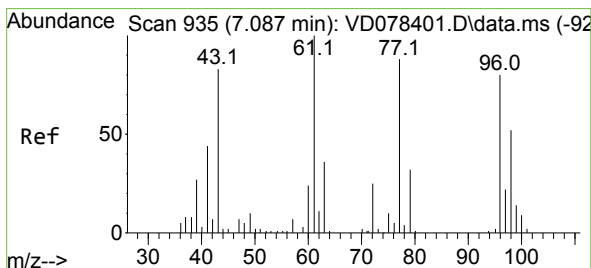
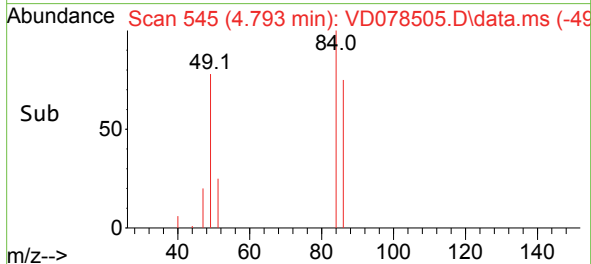
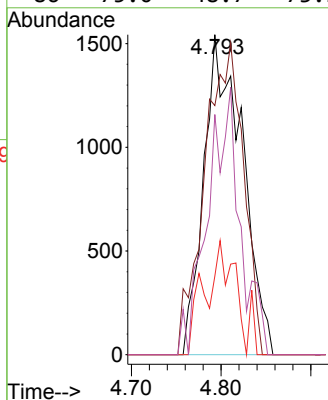
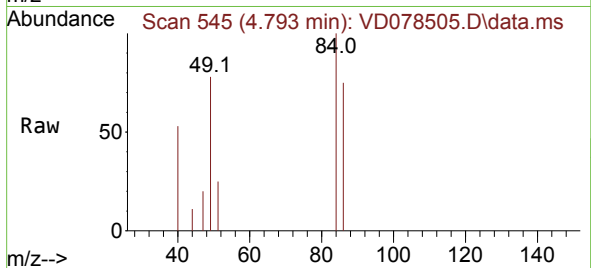




#20
Methylene Chloride
Concen: 3.141 ug/l
RT: 4.793 min Scan# 547
Delta R.T. -0.012 min
Lab File: VD078505.D
Acq: 21 Feb 2024 18:04

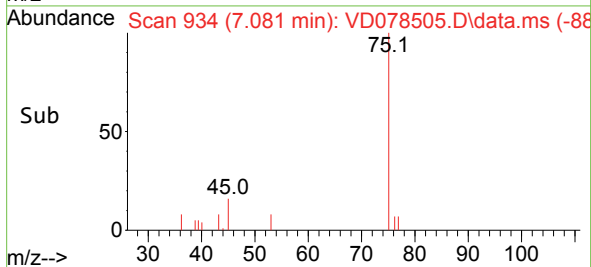
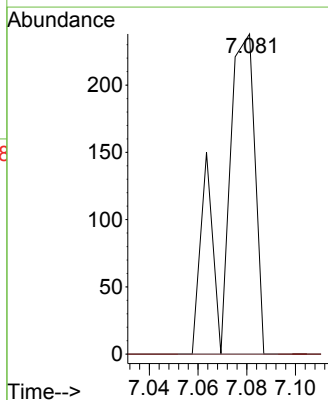
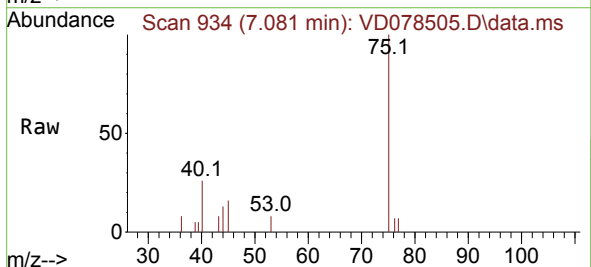
Instrument :
MSVOA_D
ClientSampleId :
287

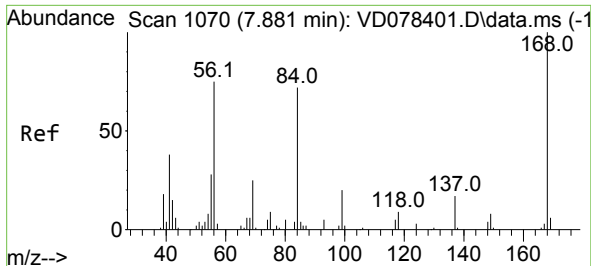
Tgt Ion:	84	Resp:	4588
Ion	Ratio	Lower	Upper
84	100		
49	77.8	71.4	107.2
51	24.6	24.5	36.7
86	75.0	48.7	73.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. -0.006 min
Lab File: VD078505.D
Acq: 21 Feb 2024 18:04

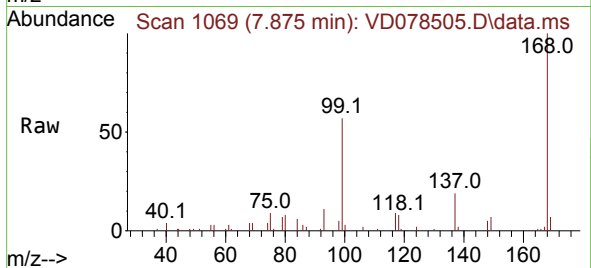
Tgt Ion:	43	Resp:	215
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#



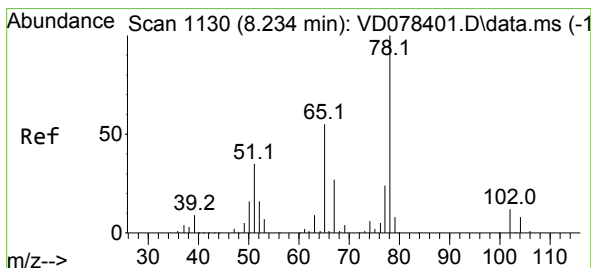
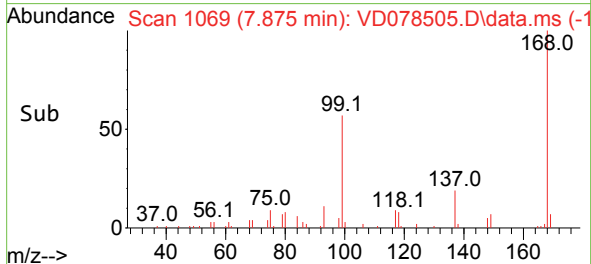
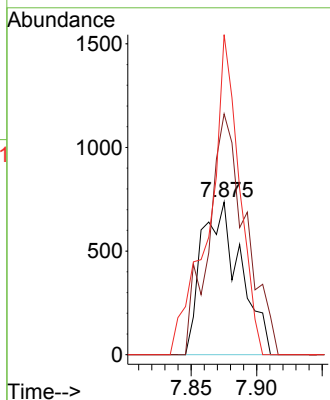


#31
Cyclohexane
Concen: 1.344 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078505.D
Acq: 21 Feb 2024 18:04

Instrument :
MSVOA_D
ClientSampleId :
287

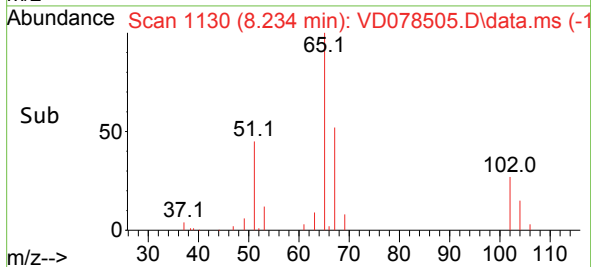
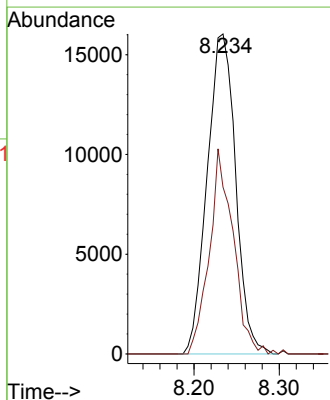
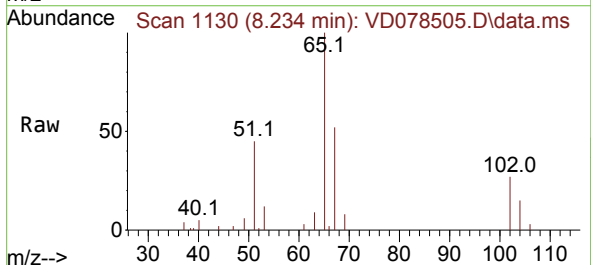


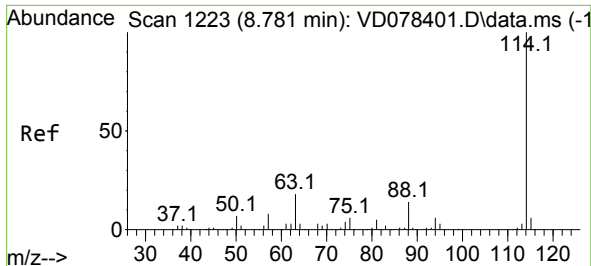
Tgt Ion: 56 Resp: 1525
Ion Ratio Lower Upper
56 100
69 157.7 28.6 43.0#
84 209.5 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 55.502 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078505.D
Acq: 21 Feb 2024 18:04

Tgt Ion: 65 Resp: 37237
Ion Ratio Lower Upper
65 100
67 53.9 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078505.D

Acq: 21 Feb 2024 18:04

Instrument :

MSVOA_D

ClientSampleId :

287

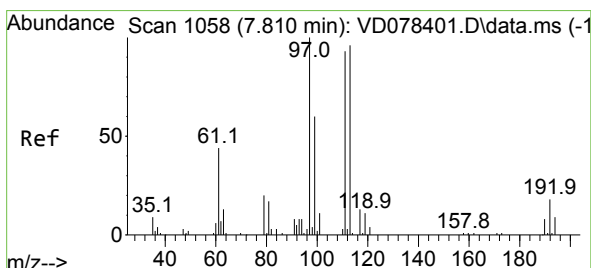
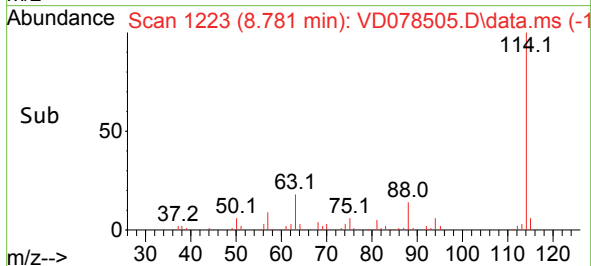
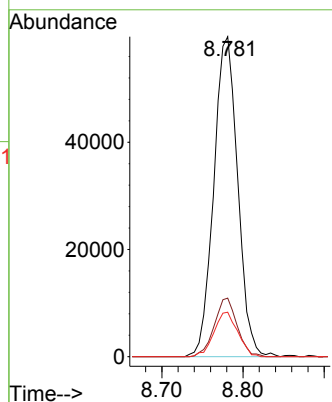
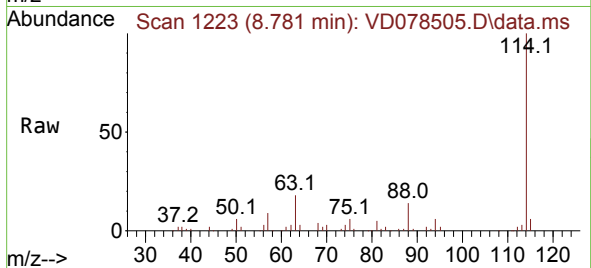
Tgt Ion:114 Resp: 122117

Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

88 13.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 54.937 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078505.D

Acq: 21 Feb 2024 18:04

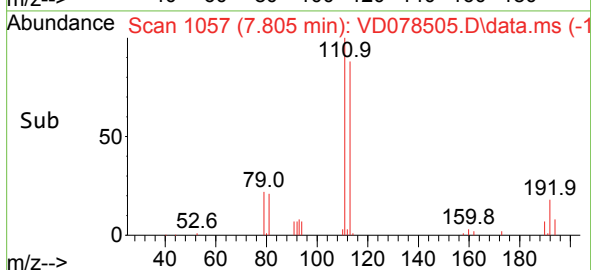
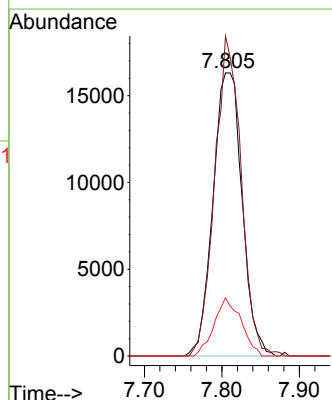
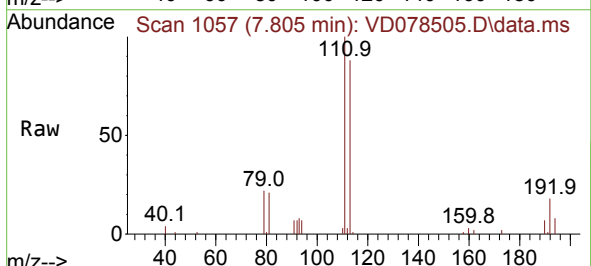
Tgt Ion:113 Resp: 42615

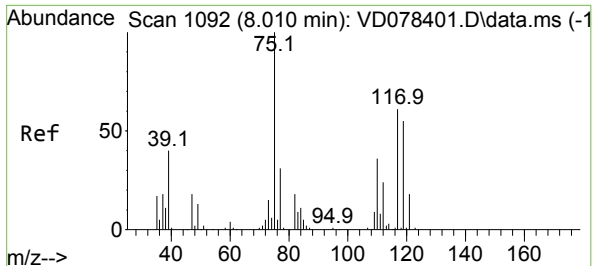
Ion Ratio Lower Upper

113 100

111 102.6 84.7 127.1

192 19.0 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.172 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD078505.D

Acq: 21 Feb 2024 18:04

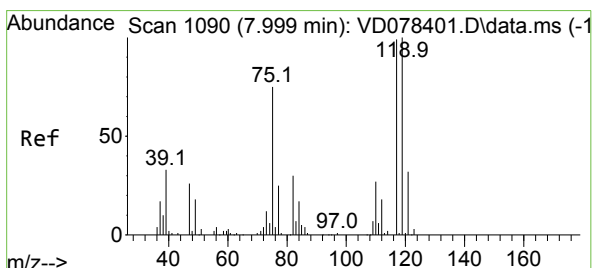
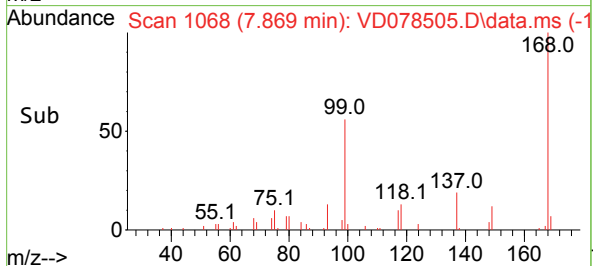
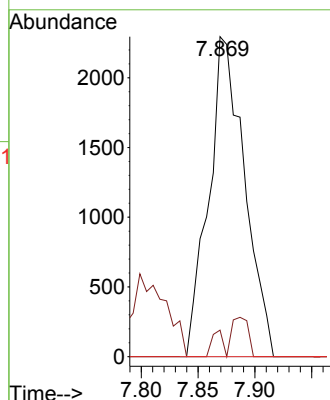
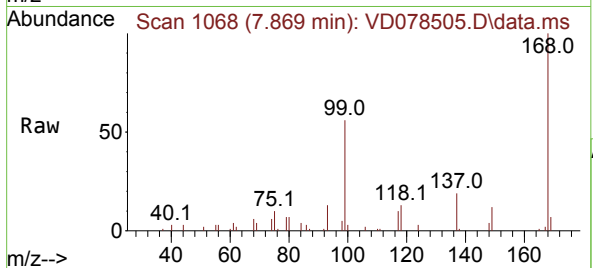
Instrument :

MSVOA_D

ClientSampleId :

287

Tgt Ion: 75	Resp: 5028
Ion Ratio	Lower Upper
75 100	
110 2.4	19.9 59.6#
77 0.0	24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.870 ug/l

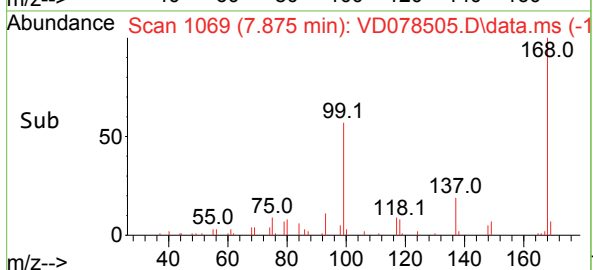
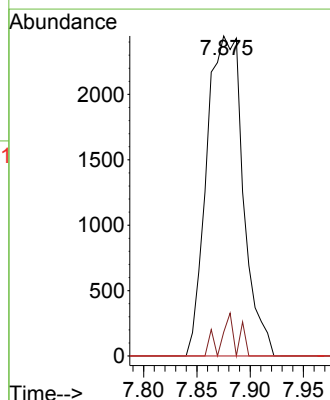
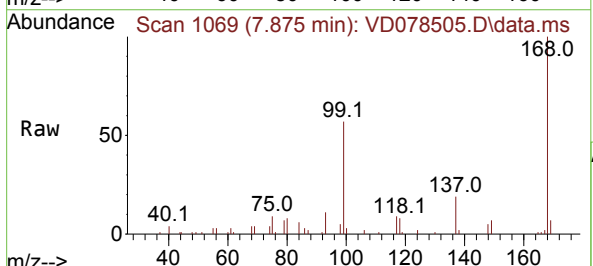
RT: 7.875 min Scan# 1069

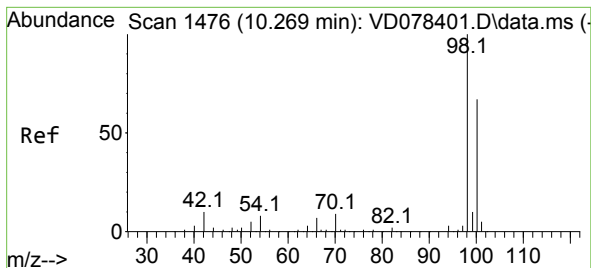
Delta R.T. -0.123 min

Lab File: VD078505.D

Acq: 21 Feb 2024 18:04

Tgt Ion: 117	Resp: 5812
Ion Ratio	Lower Upper
117 100	
119 7.5	78.0 117.0#
121 0.0	24.2 36.2#

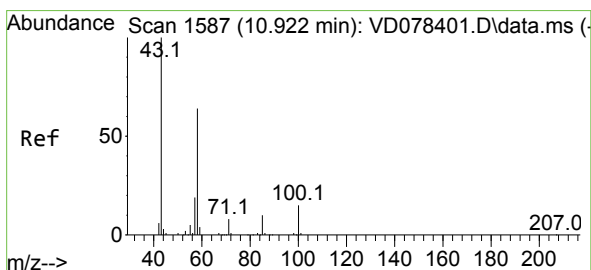
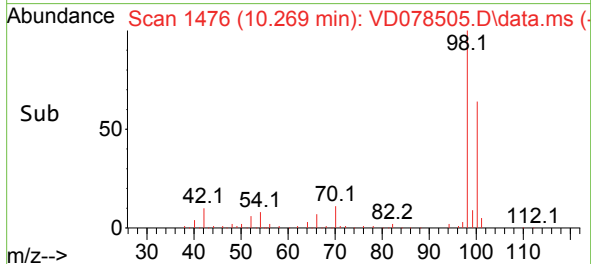
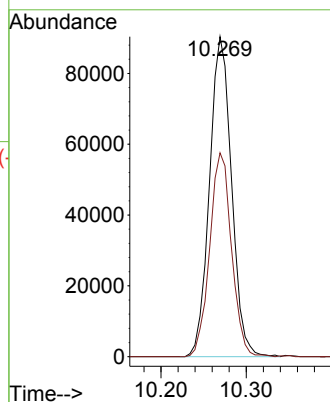
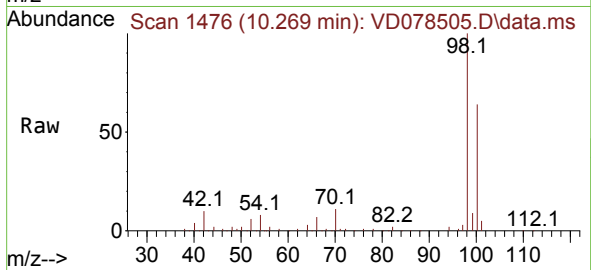




#50
Toluene-d8
Concen: 52.299 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078505.D
Acq: 21 Feb 2024 18:04

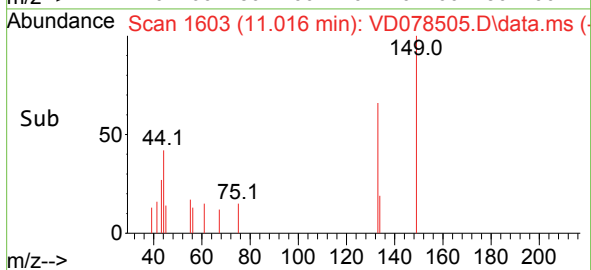
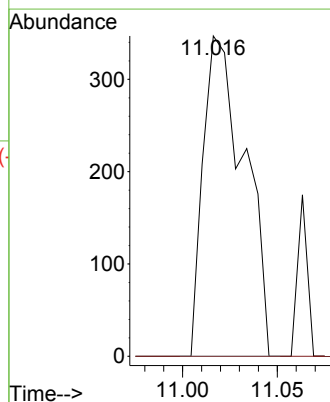
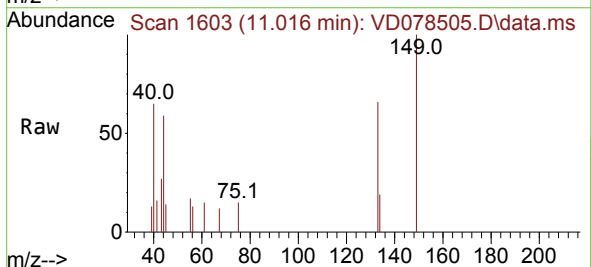
Instrument :
MSVOA_D
ClientSampleId :
287

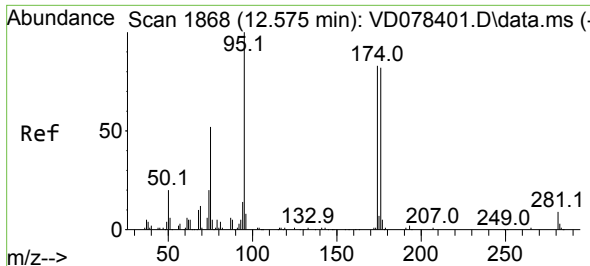
Tgt Ion: 98 Resp: 162285
Ion Ratio Lower Upper
98 100
100 63.1 50.3 75.5



#59
2-Hexanone
Concen: 1.683 ug/l
RT: 11.016 min Scan# 1603
Delta R.T. 0.094 min
Lab File: VD078505.D
Acq: 21 Feb 2024 18:04

Tgt Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#

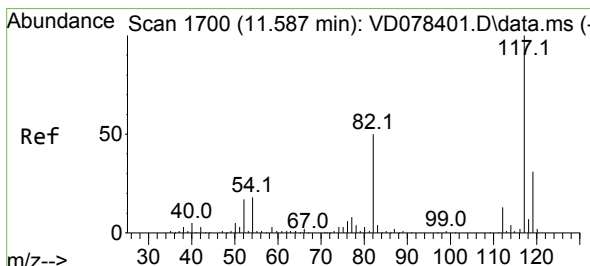
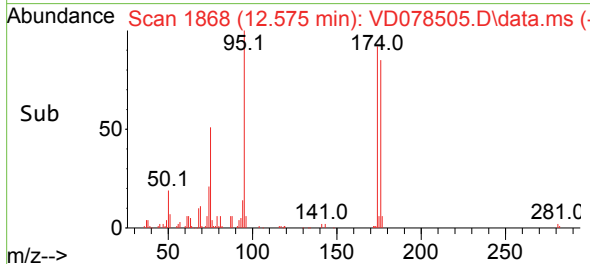
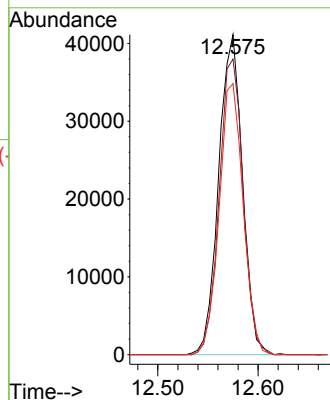
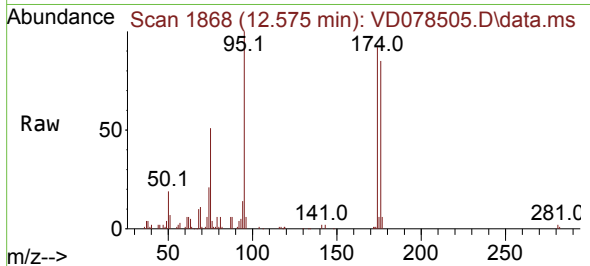




#62
4-Bromofluorobenzene
Concen: 74.950 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078505.D
Acq: 21 Feb 2024 18:04

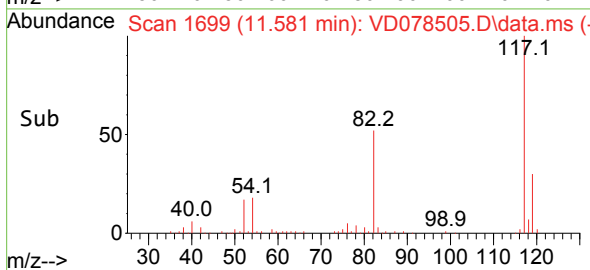
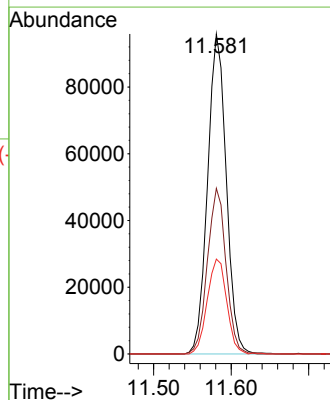
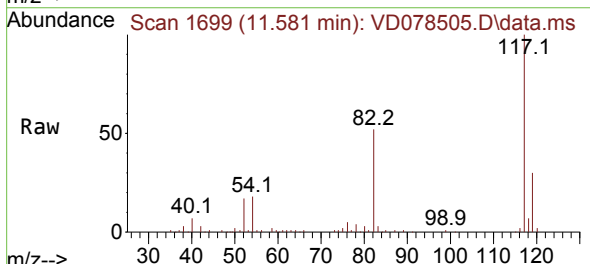
Instrument :
MSVOA_D
ClientSampleId :
287

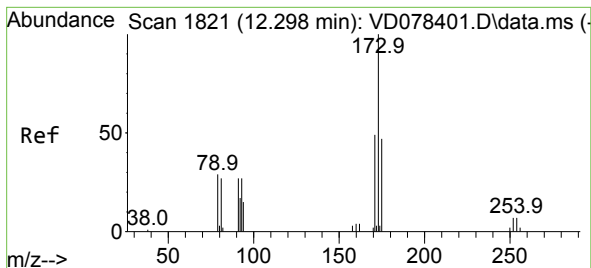
Tgt Ion: 95 Resp: 67680
Ion Ratio Lower Upper
95 100
174 92.6 0.0 201.8
176 85.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078505.D
Acq: 21 Feb 2024 18:04

Tgt Ion: 117 Resp: 160591
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 29.6 25.0 37.4





#71

Bromoform

Concen: 1.002 ug/l

RT: 12.563 min Scan# 1866

Delta R.T. 0.265 min

Lab File: VD078505.D

Acq: 21 Feb 2024 18:04

Instrument :

MSVOA_D

ClientSampleId :

287

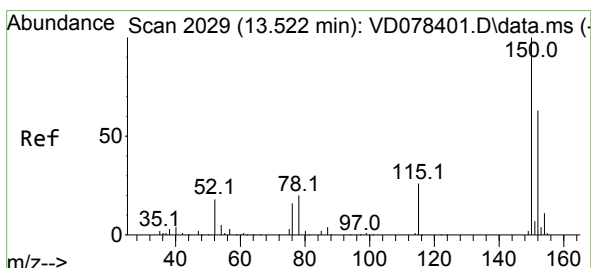
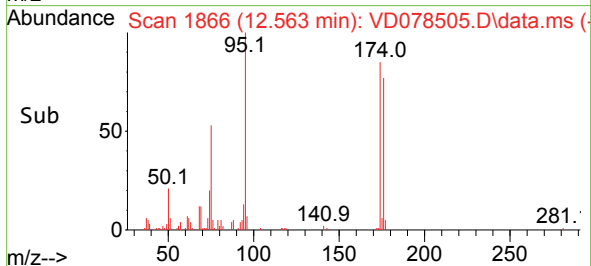
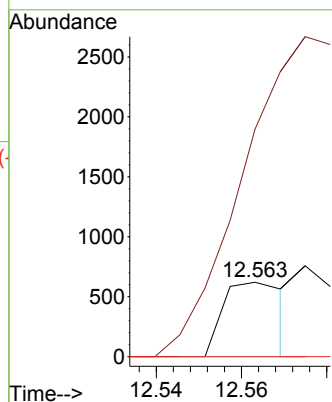
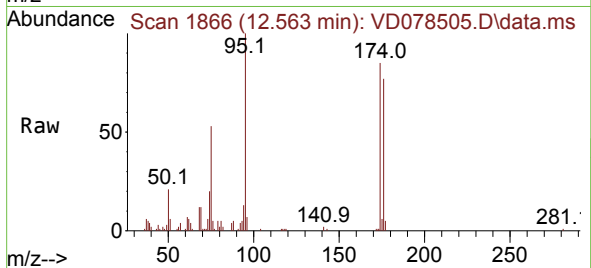
Tgt Ion:173 Resp: 626

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD078505.D

Acq: 21 Feb 2024 18:04

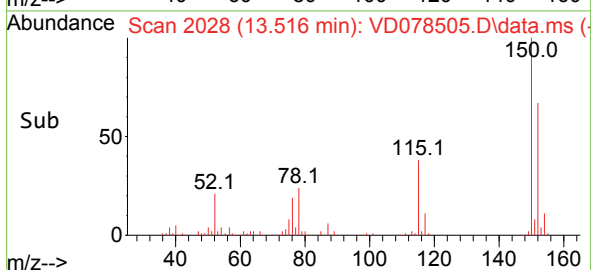
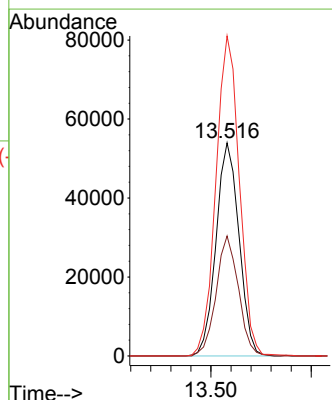
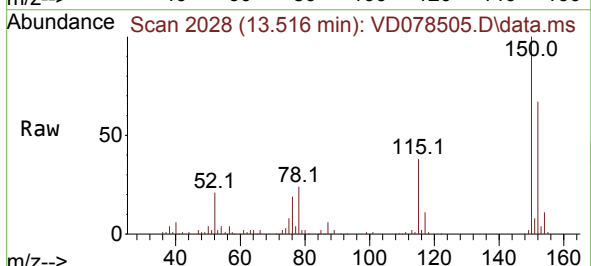
Tgt Ion:152 Resp: 85727

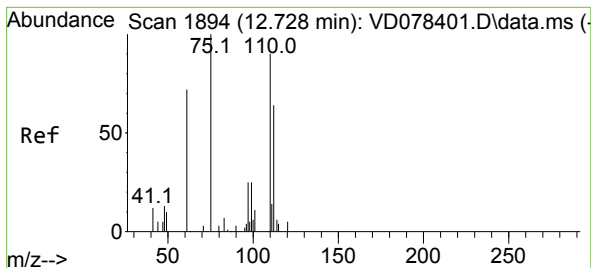
Ion Ratio Lower Upper

152 100

115 54.7 27.1 81.3

150 153.2 0.0 353.6

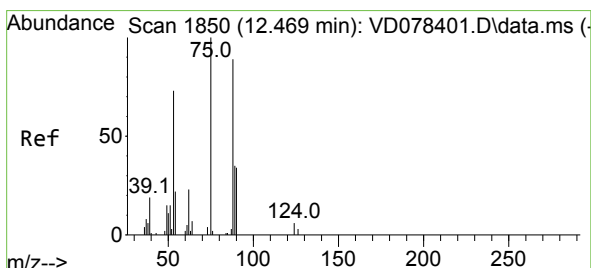
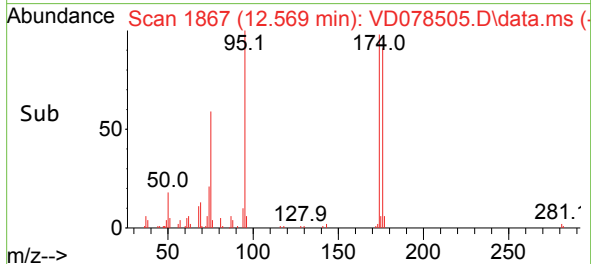
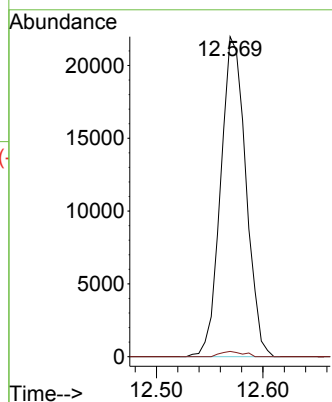
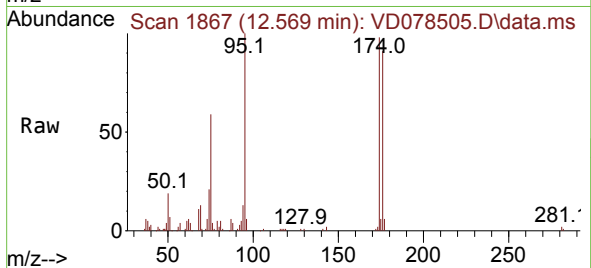




#76
1,2,3-Trichloropropane
Concen: 49.548 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD078505.D
Acq: 21 Feb 2024 18:04

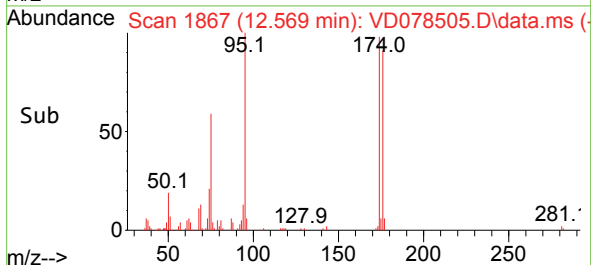
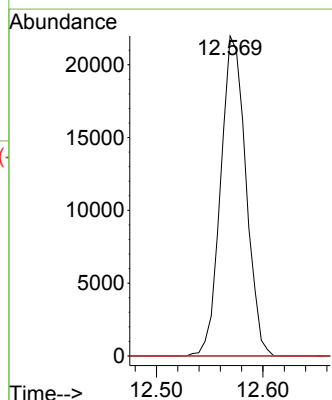
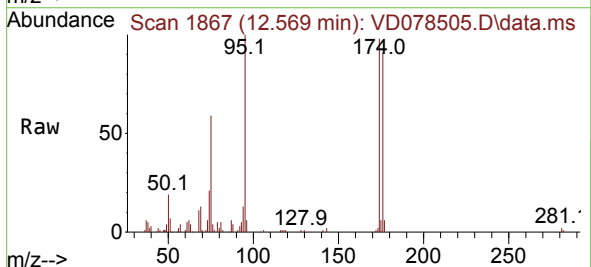
Instrument :
MSVOA_D
ClientSampleId :
287

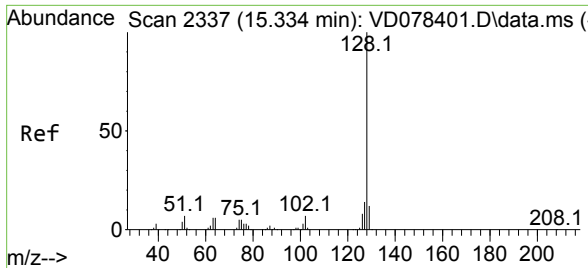
Tgt Ion: 75 Resp: 36061
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.863 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD078505.D
Acq: 21 Feb 2024 18:04

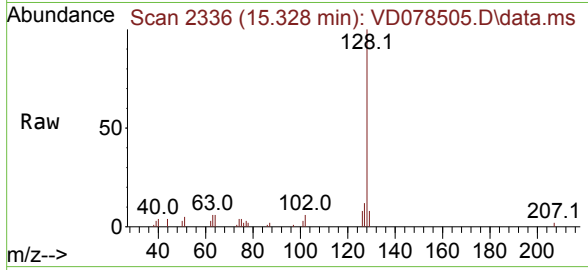
Tgt Ion: 75 Resp: 36061
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#95
 Naphthalene
 Concen: 11.387 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD078505.D
 Acq: 21 Feb 2024 18:04

Instrument :
 MSVOA_D
 ClientSampleId :
 287



Tgt Ion:	128	Resp:	30096
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.5	15.7
129	7.5	8.7	13.1#

