

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022224\
 Data File : VD078519.D
 Acq On : 22 Feb 2024 16:02
 Operator : RP/MD
 Sample : P1538-06RE
 Misc : 5.09G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 23 01:05:12 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)

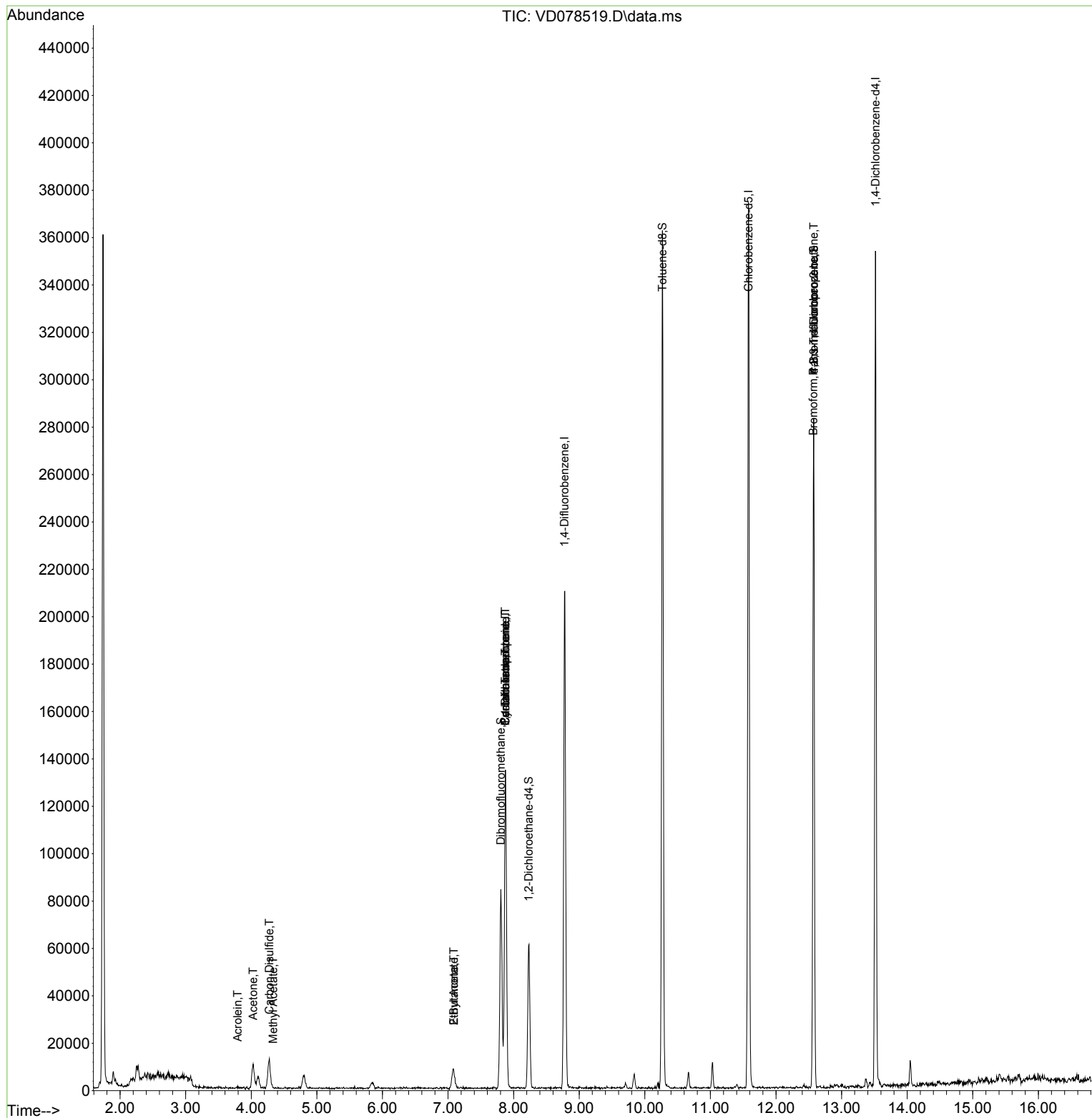
Internal Standards						
1) Pentafluorobenzene	7.875	168	100723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	192978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	227399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	91479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	45704	41.966	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.940%		
35) Dibromofluoromethane	7.805	113	60964	49.733	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.460%		
50) Toluene-d8	10.269	98	245943	50.155	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.320%		
62) 4-Bromofluorobenzene	12.575	95	84627	59.305	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	118.600%		
Target Compounds						
					Qvalue	
13) Acrolein	3.793	56	250	2.485	ug/l	90
16) Acetone	4.028	43	17179	62.808	ug/l #	76
17) Carbon Disulfide	4.275	76	24707	6.687	ug/l	98
18) Methyl Acetate	4.334	43	65	4.017	ug/l #	42
25) 2-Butanone	7.087	43	5870	5.948	ug/l #	84
31) Cyclohexane	7.875	56	2376	1.290	ug/l #	27
36) 1,1-Dichloropropene	7.875	75	8789	4.615	ug/l #	45
37) Ethyl Acetate	7.087	43	5870	8.793	ug/l #	64
38) Carbon Tetrachloride	7.875	117	10133	5.373	ug/l #	14
71) Bromoform	12.569	173	1032	1.167	ug/l #	28
76) 1,2,3-Trichloropropane	12.575	75	43308	55.764	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	43308	115.767	ug/l #	17

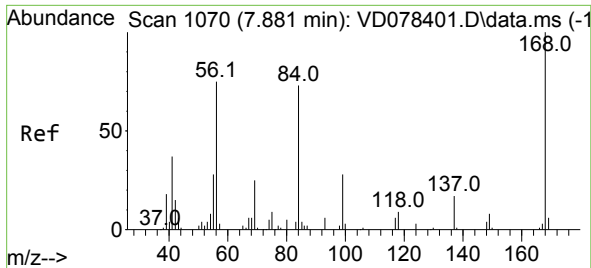
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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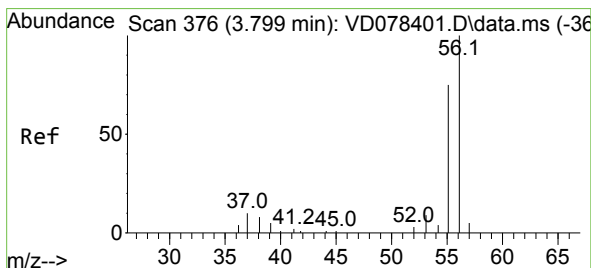
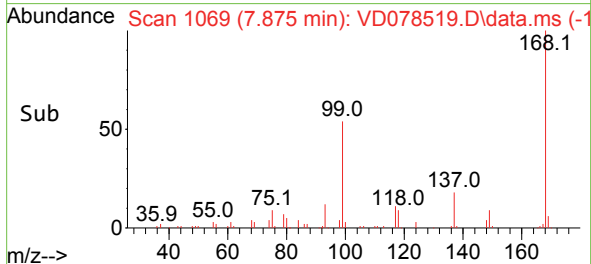
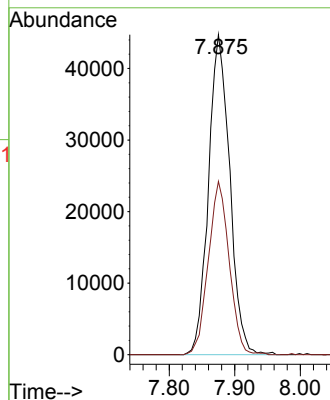
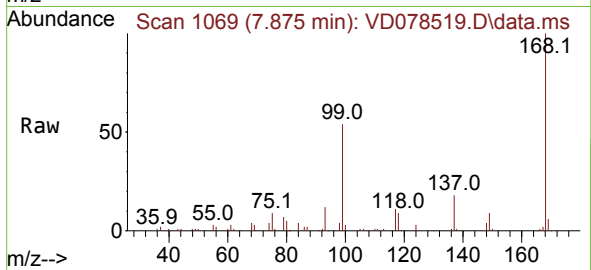




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

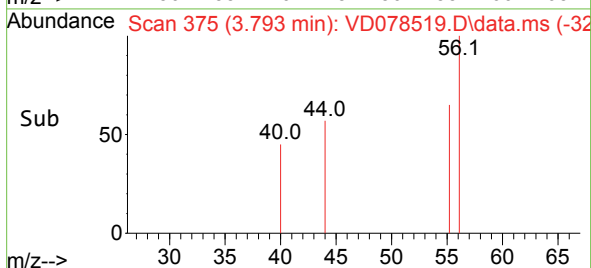
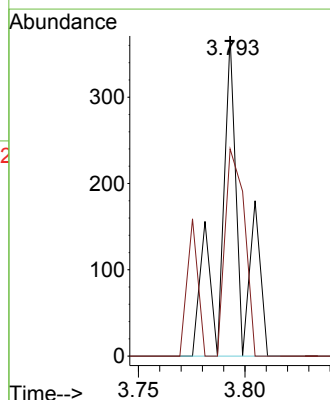
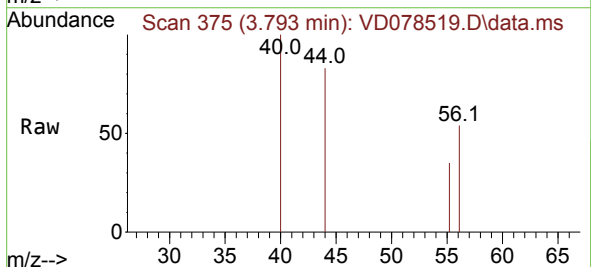
Instrument :
MSVOA_D
ClientSampleId :

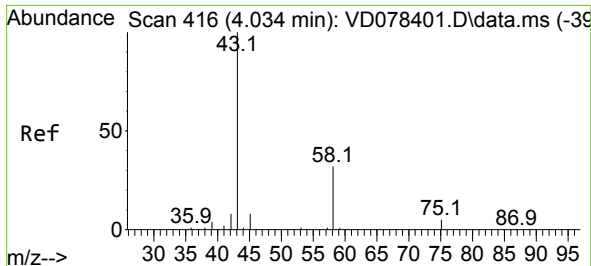
Tgt Ion:168 Resp: 100723
Ion Ratio Lower Upper
168 100
99 54.2 36.7 55.1



#13
Acrolein
Concen: 2.485 ug/l
RT: 3.793 min Scan# 375
Delta R.T. -0.006 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

Tgt Ion: 56 Resp: 250
Ion Ratio Lower Upper
56 100
55 60.8 55.1 82.7

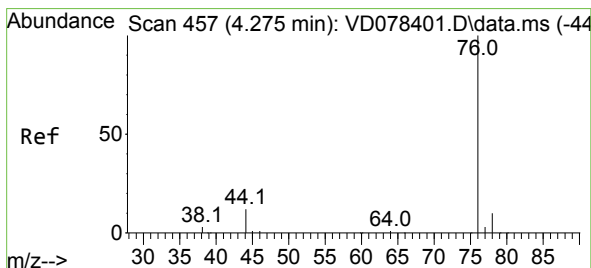
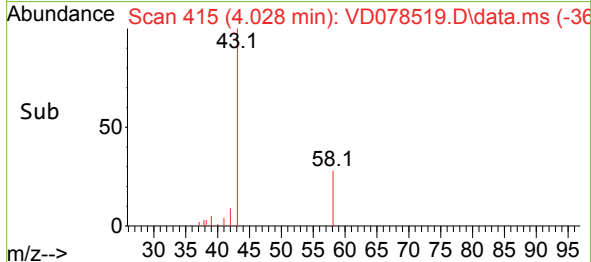
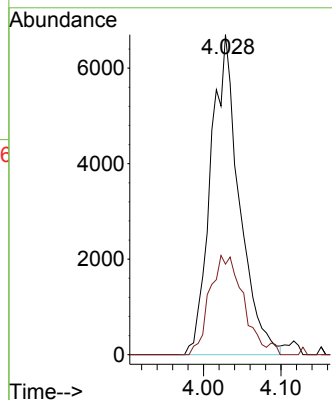
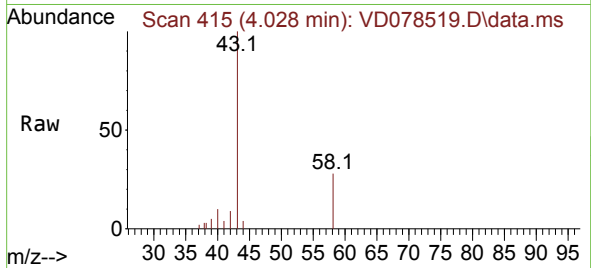




#16
Acetone
Concen: 62.808 ug/l
RT: 4.028 min Scan# 416
Delta R.T. -0.006 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

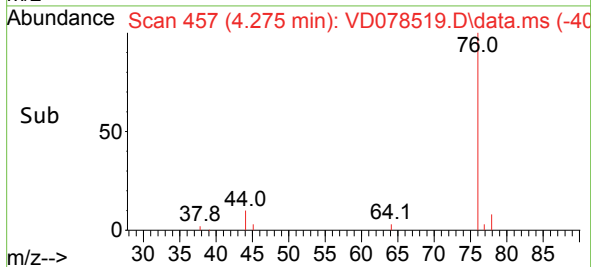
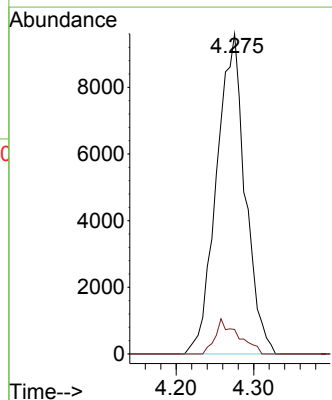
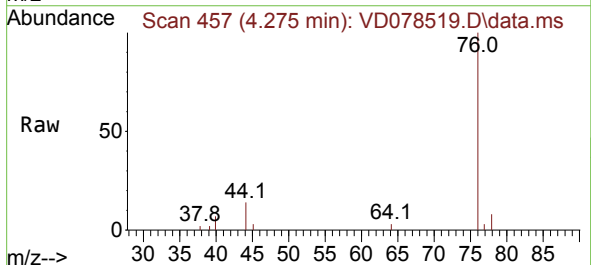
Instrument :
MSVOA_D
ClientSampleId :

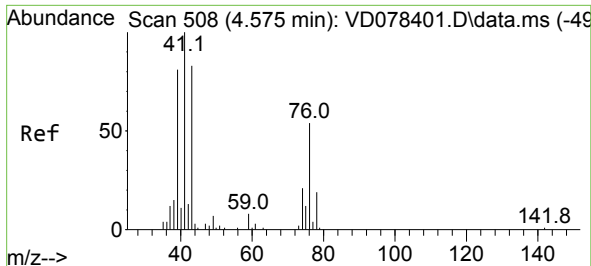
Tgt Ion: 43 Resp: 17179
Ion Ratio Lower Upper
43 100
58 28.3 34.7 52.1#



#17
Carbon Disulfide
Concen: 6.687 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

Tgt Ion: 76 Resp: 24707
Ion Ratio Lower Upper
76 100
78 7.7 6.8 10.2

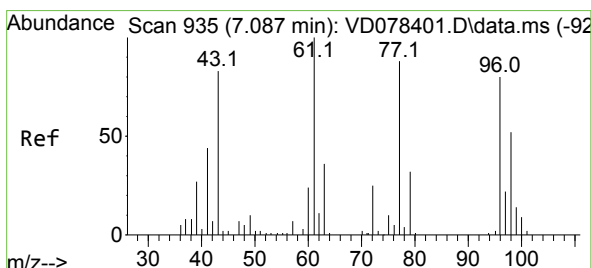
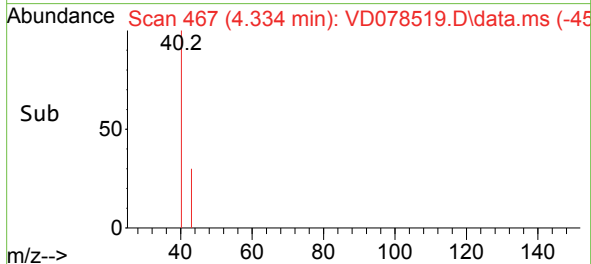
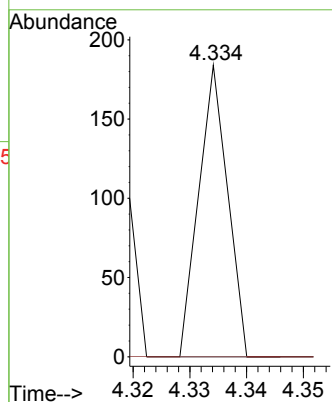
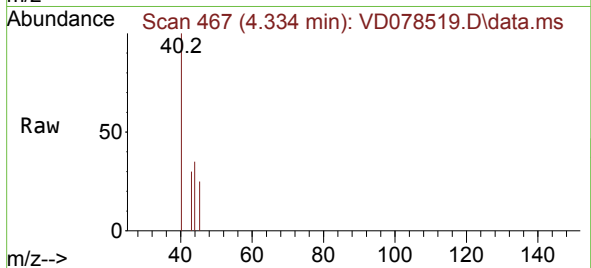




#18
Methyl Acetate
Concen: 4.017 ug/l
RT: 4.334 min Scan# 40
Delta R.T. -0.241 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

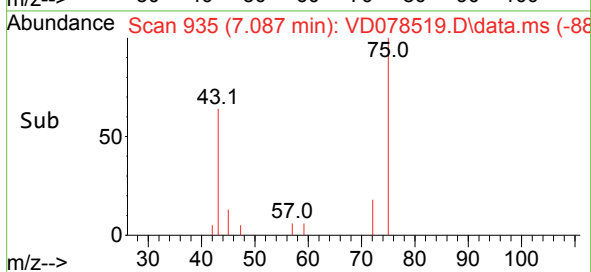
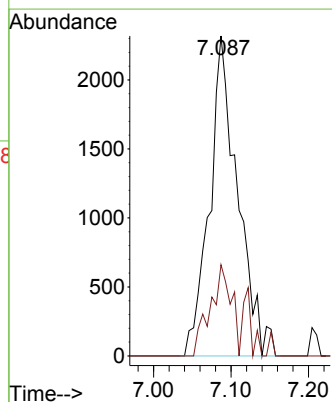
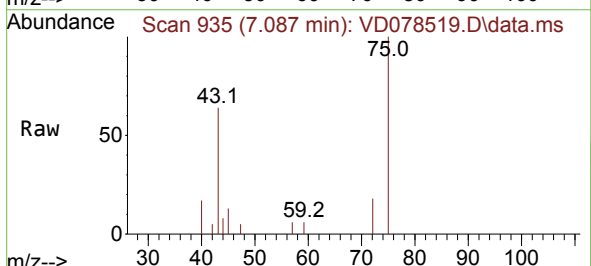
Instrument :
MSVOA_D
ClientSampleId :

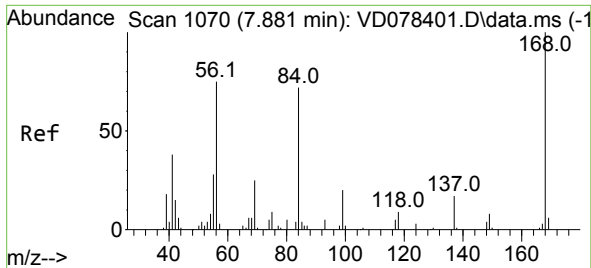
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#25
2-Butanone
Concen: 5.948 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.000 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

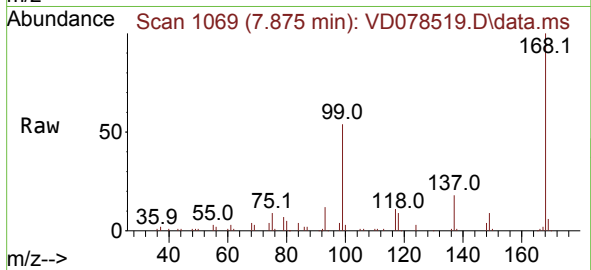
Tgt Ion: 43 Resp: 5870
Ion Ratio Lower Upper
43 100
72 28.5 30.7 46.1#



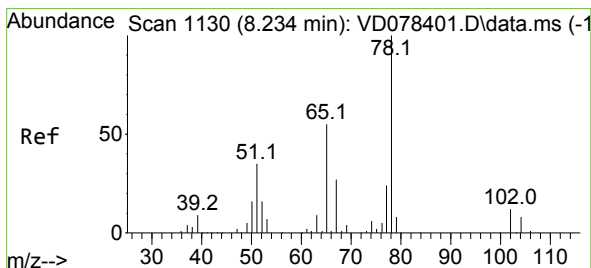
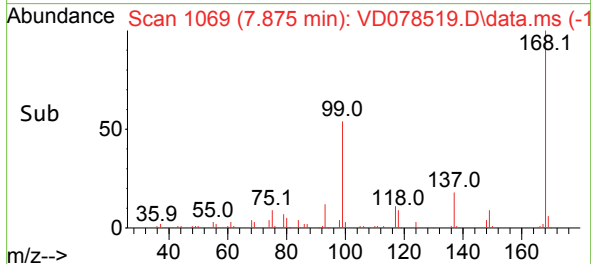
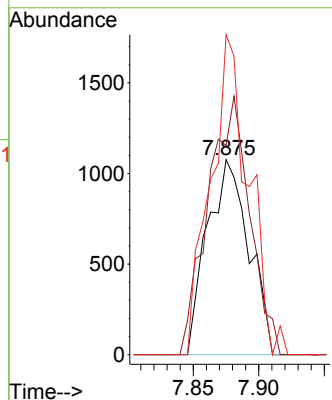


#31
Cyclohexane
Concen: 1.290 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

Instrument :
MSVOA_D
ClientSampleId :

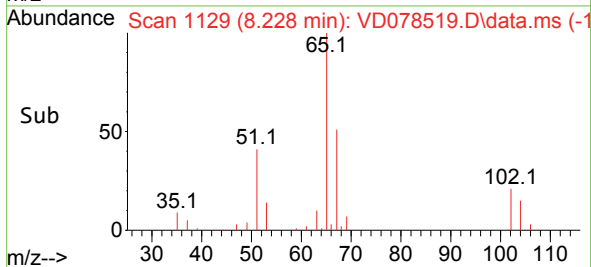
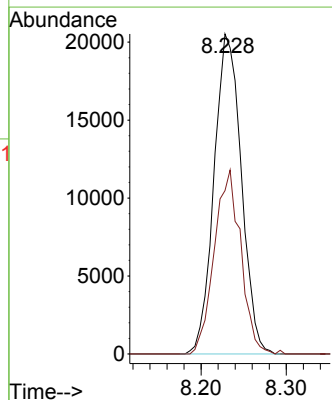
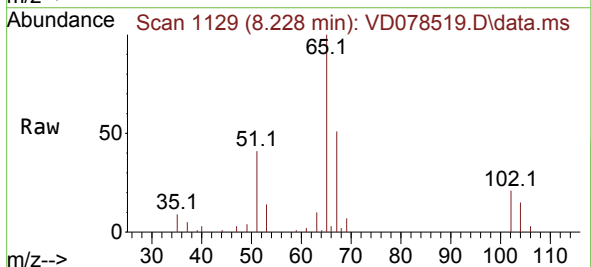


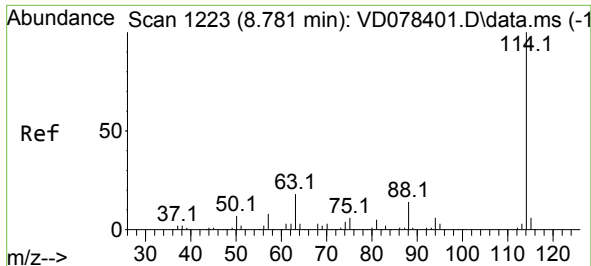
Tgt Ion: 56 Resp: 2376
Ion Ratio Lower Upper
56 100
69 107.2 28.6 43.0#
84 164.1 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 41.966 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

Tgt Ion: 65 Resp: 45704
Ion Ratio Lower Upper
65 100
67 55.7 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: VD078519.D

Acq: 22 Feb 2024 16:02

Instrument :

MSVOA_D

ClientSampleId :

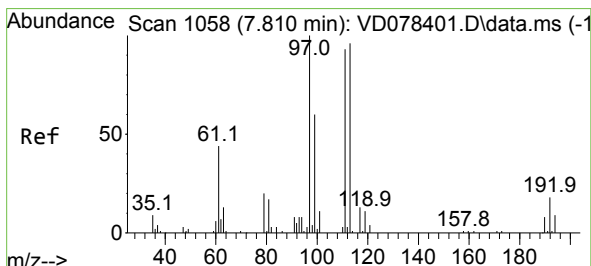
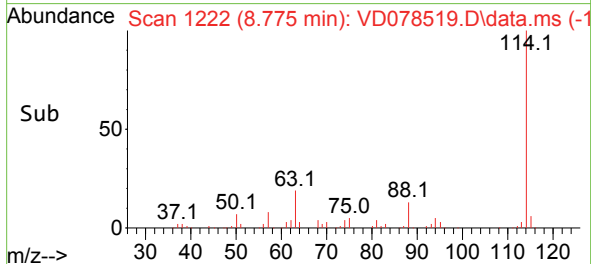
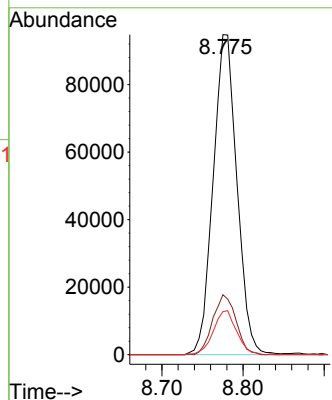
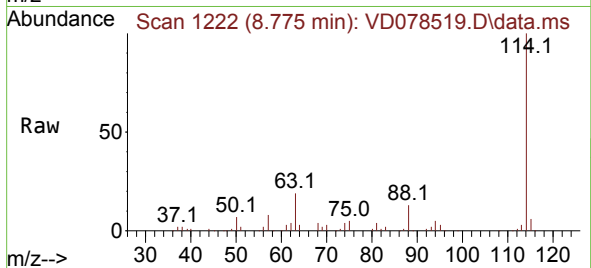
Tgt Ion:114 Resp: 192978

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 13.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 49.733 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078519.D

Acq: 22 Feb 2024 16:02

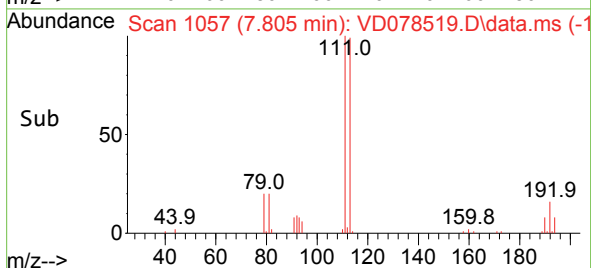
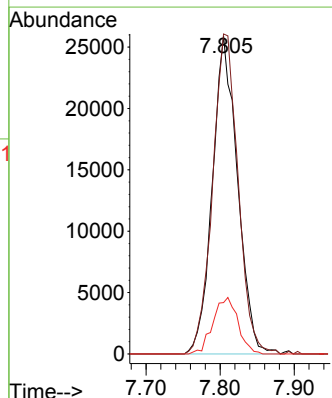
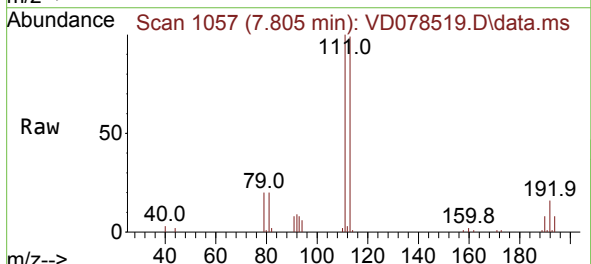
Tgt Ion:113 Resp: 60964

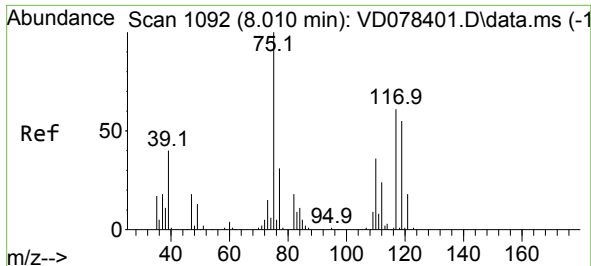
Ion Ratio Lower Upper

113 100

111 102.2 84.7 127.1

192 17.7 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.615 ug/l

RT: 7.875 min Scan# 1092

Delta R.T. -0.135 min

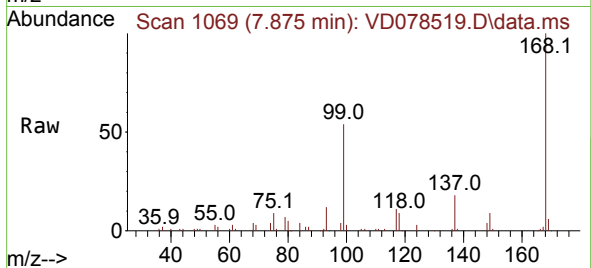
Lab File: VD078519.D

Acq: 22 Feb 2024 16:02

Instrument :

MSVOA_D

ClientSampleId :



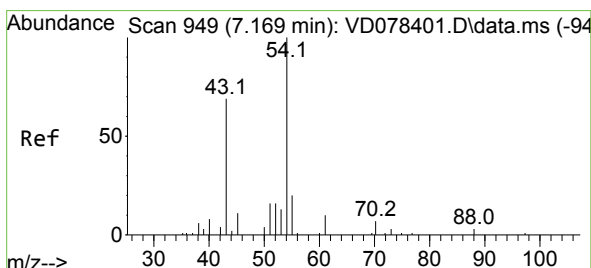
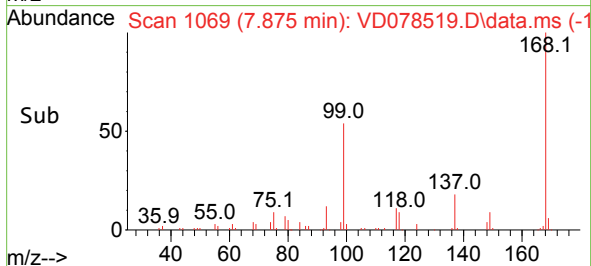
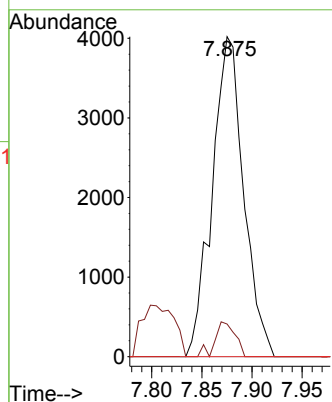
Tgt Ion: 75 Resp: 8789

Ion Ratio Lower Upper

75 100

110 7.0 19.9 59.6#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 8.793 ug/l

RT: 7.087 min Scan# 935

Delta R.T. -0.082 min

Lab File: VD078519.D

Acq: 22 Feb 2024 16:02

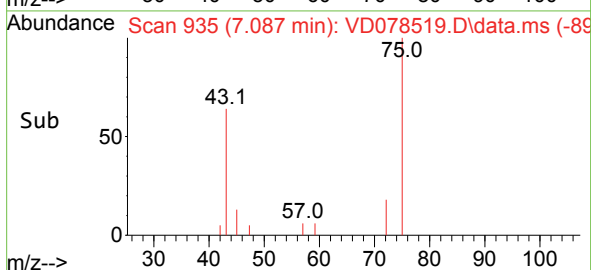
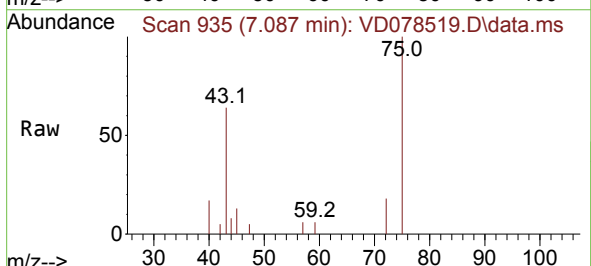
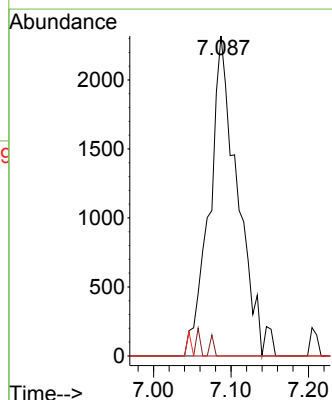
Tgt Ion: 43 Resp: 5870

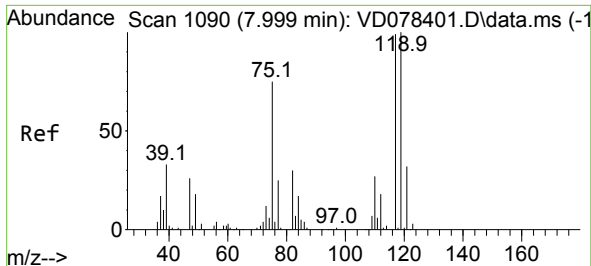
Ion Ratio Lower Upper

43 100

61 0.9 14.9 22.3#

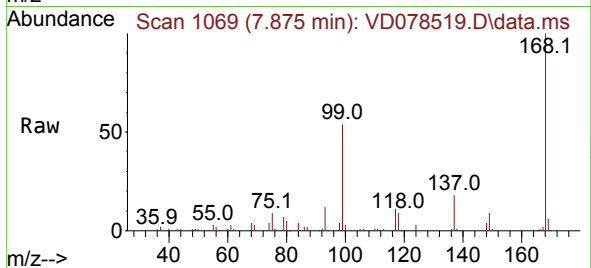
70 0.0 10.0 15.0#



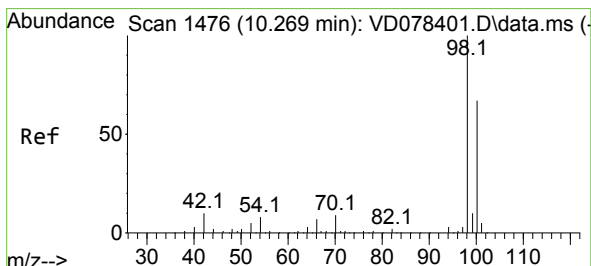
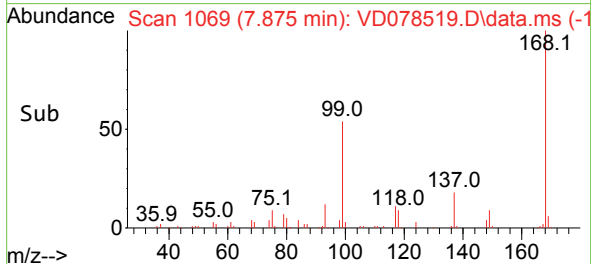
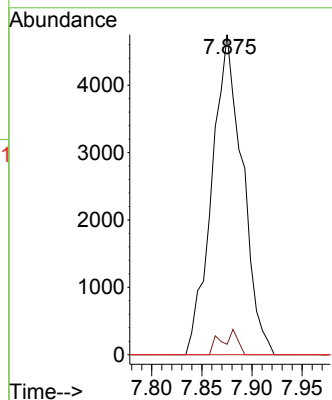


#38
Carbon Tetrachloride
Concen: 5.373 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.124 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

Instrument :
MSVOA_D
ClientSampleId :

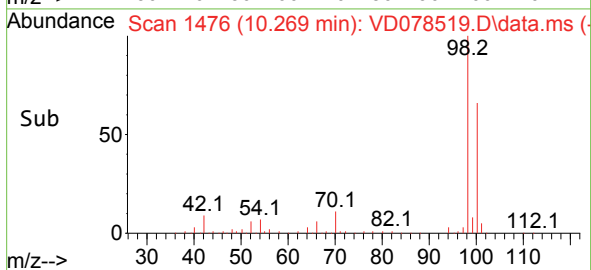
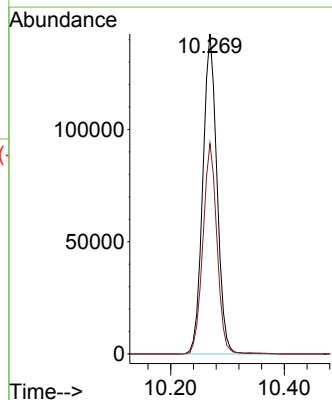
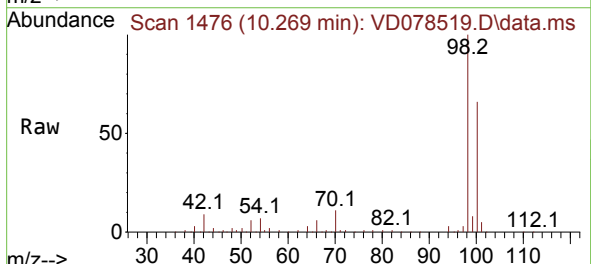


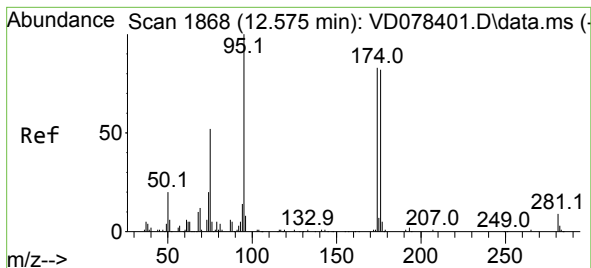
Tgt Ion:117 Resp: 10133
Ion Ratio Lower Upper
117 100
119 3.2 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.155 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

Tgt Ion: 98 Resp: 245943
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5

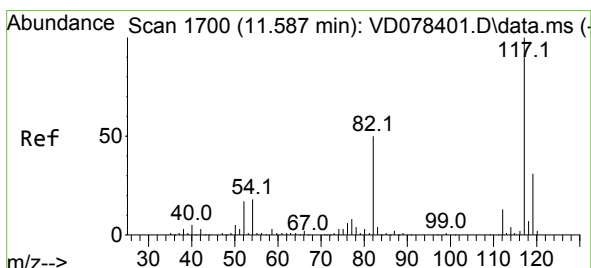
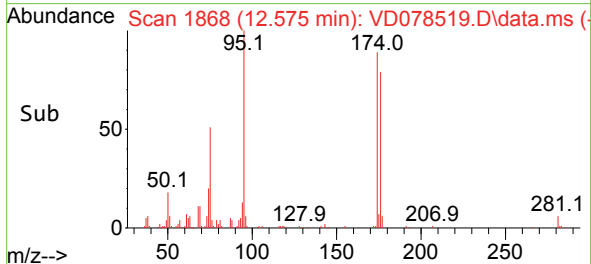
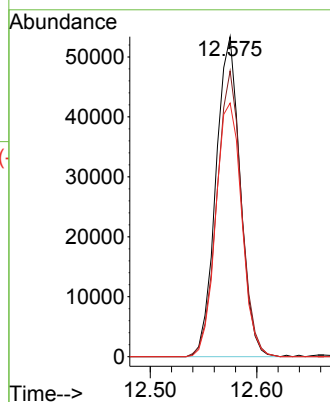
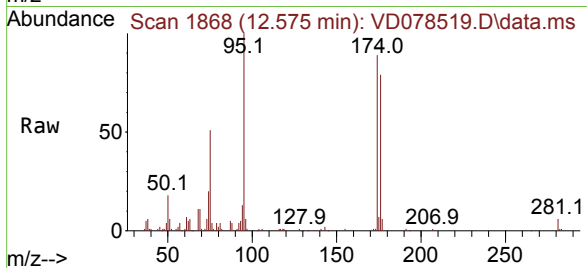




#62
4-Bromofluorobenzene
Concen: 59.305 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

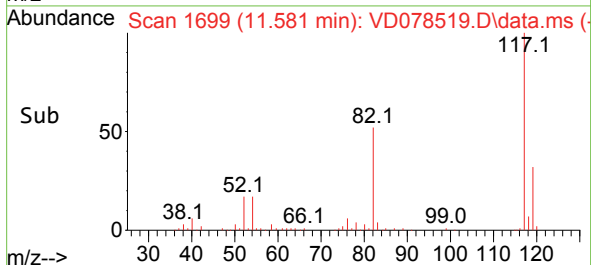
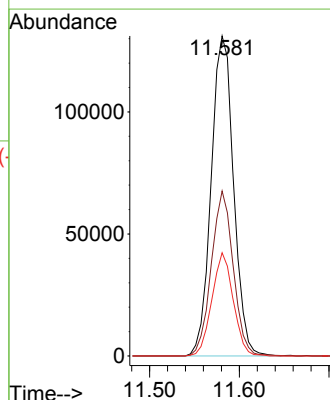
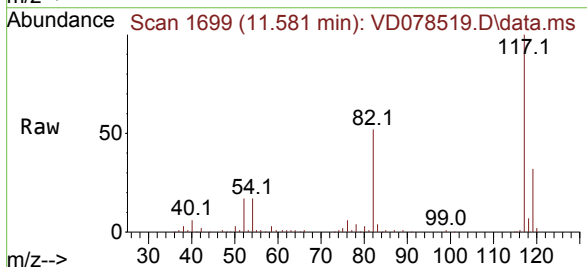
Instrument :
MSVOA_D
ClientSampleId :

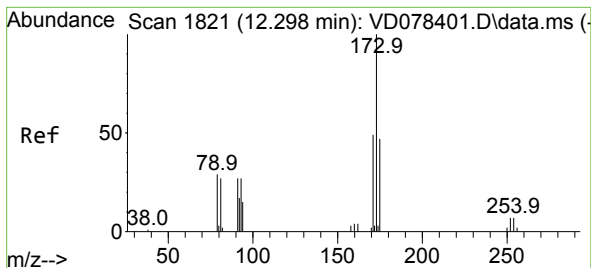
Tgt Ion: 95 Resp: 84627
Ion Ratio Lower Upper
95 100
174 90.7 0.0 201.8
176 84.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078519.D
Acq: 22 Feb 2024 16:02

Tgt Ion: 117 Resp: 227399
Ion Ratio Lower Upper
117 100
82 51.6 38.3 57.5
119 32.3 25.0 37.4





#71

Bromoform

Concen: 1.167 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.271 min

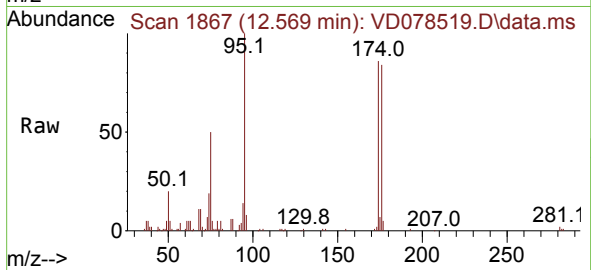
Lab File: VD078519.D

Acq: 22 Feb 2024 16:02

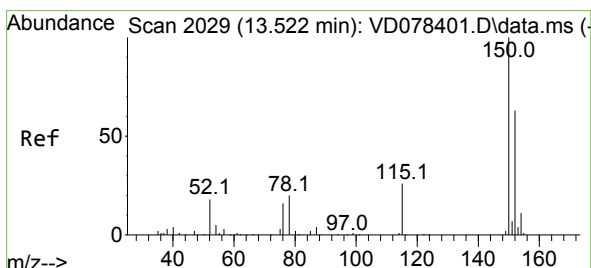
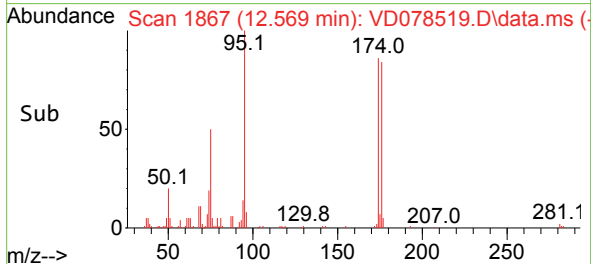
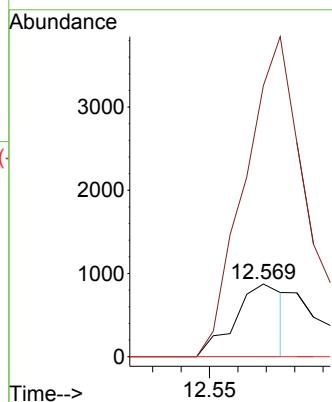
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:173	Resp:	1032
Ion Ratio	Lower	Upper
173	100	
175	0.0	24.6
254	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

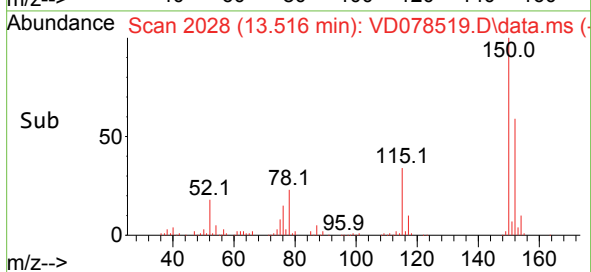
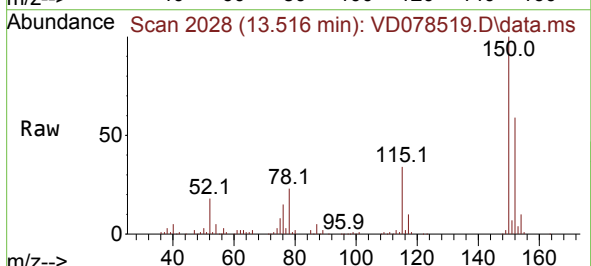
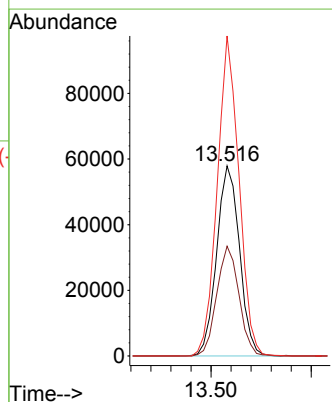
RT: 13.516 min Scan# 2028

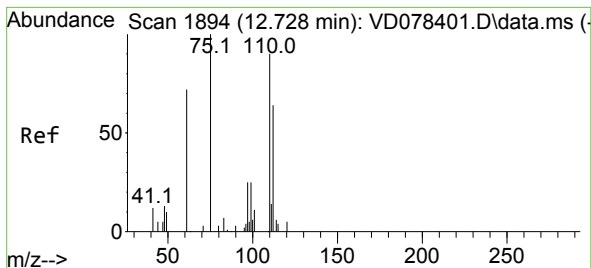
Delta R.T. -0.006 min

Lab File: VD078519.D

Acq: 22 Feb 2024 16:02

Tgt Ion:152	Resp:	91479
Ion Ratio	Lower	Upper
152	100	
115	56.2	27.1
150	160.0	0.0





#76

1,2,3-Trichloropropane

Concen: 55.764 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD078519.D

Acq: 22 Feb 2024 16:02

Instrument :

MSVOA_D

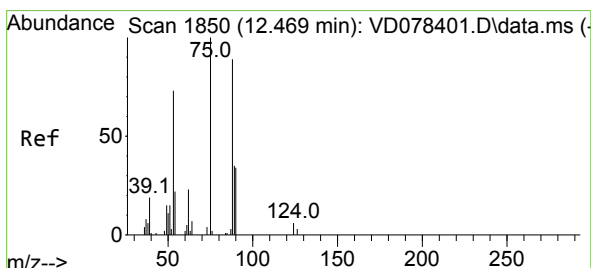
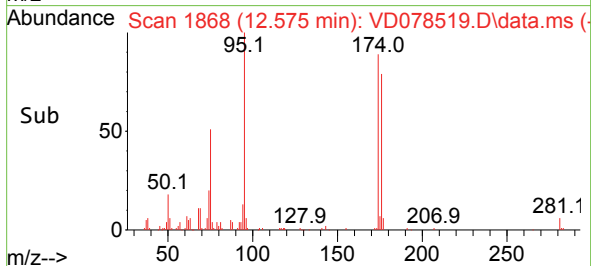
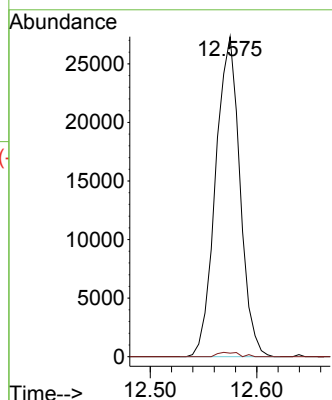
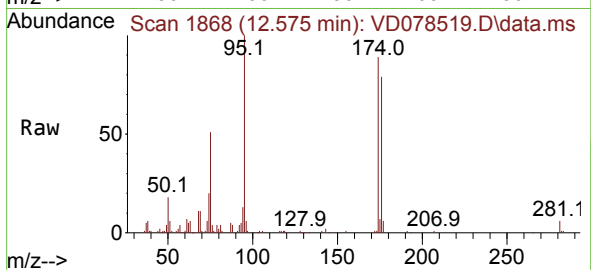
ClientSampleId :

Tgt Ion: 75 Resp: 43308

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.767 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD078519.D

Acq: 22 Feb 2024 16:02

Tgt Ion: 75 Resp: 43308

Ion Ratio Lower Upper

75 100

53 0.0 63.0 94.4#

89 0.0 37.9 56.9#

