

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083024\
 Data File : VD079758.D
 Acq On : 30 Aug 2024 16:41
 Operator : RP/MD
 Sample : P3793-01
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 31 04:46:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D083024S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 15:57:30 2024
 Response via : Initial Calibration

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

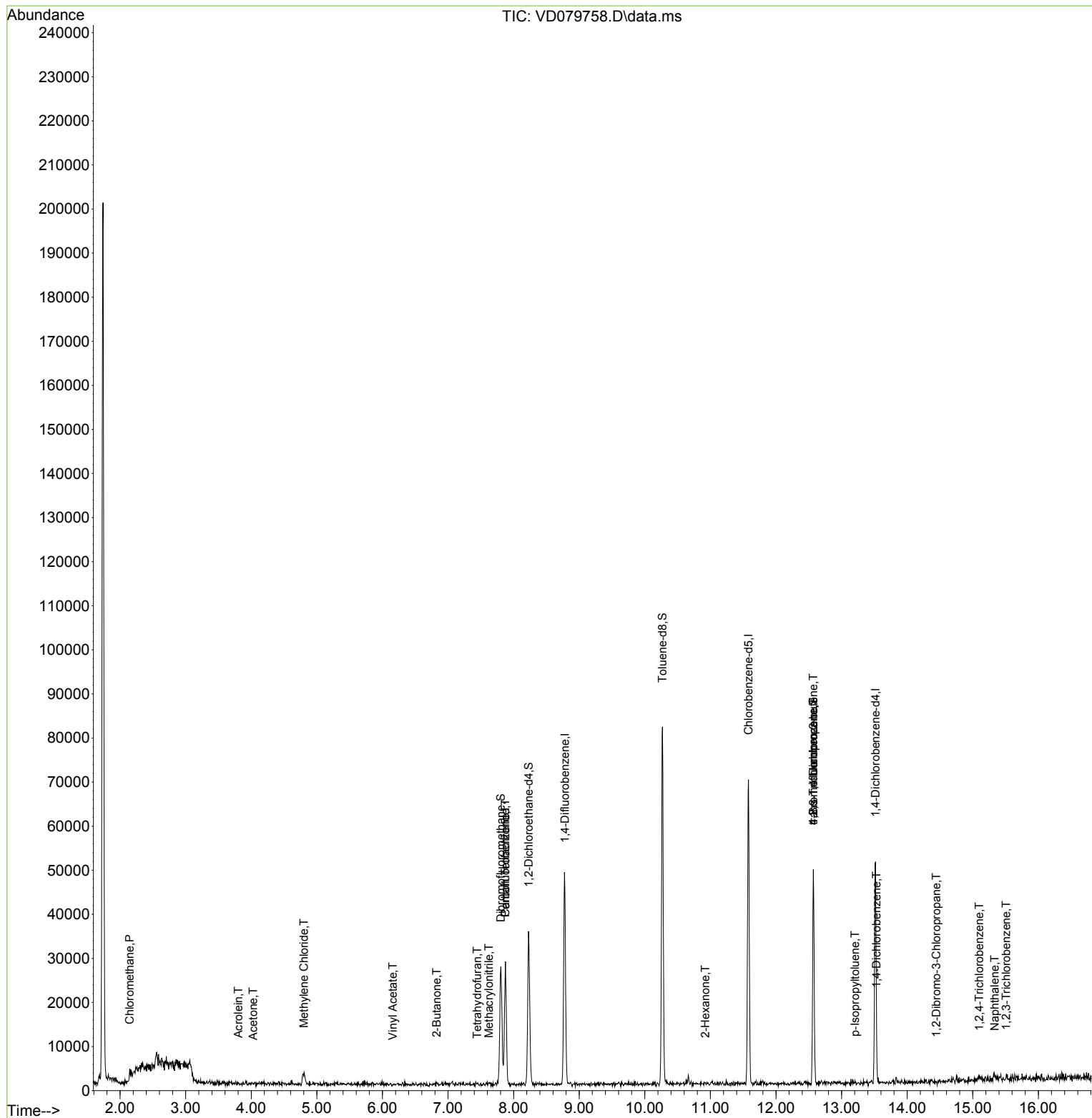
Internal Standards						
1) Pentafluorobenzene	7.875	168	18220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	41499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	40362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	14101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	25821	103.938	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 207.880%#	
35) Dibromofluoromethane	7.805	113	18427	68.314	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 136.620%	
50) Toluene-d8	10.269	98	58223	50.329	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.660%	
62) 4-Bromofluorobenzene	12.569	95	14729	45.503	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 91.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	517	1.134	ug/l	96
13) Acrolein	3.805	56	60	2.512	ug/l #	15
16) Acetone	4.028	43	163	3.162	ug/l #	37
20) Methylene Chloride	4.805	84	1766	3.286	ug/l #	85
23) Vinyl Acetate	6.158	43	72	2.691	ug/l #	63
25) 2-Butanone	6.828	43	119	1.730	ug/l #	42
29) Tetrahydrofuran	7.446	42	178	4.184	ug/l #	21
38) Carbon Tetrachloride	7.875	117	1892	4.437	ug/l #	13
41) Methacrylonitrile	7.622	41	109	1.078	ug/l #	12
59) 2-Hexanone	10.922	43	67	20.696	ug/l #	19
76) 1,2,3-Trichloropropane	12.569	75	7982	66.229	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	7982	110.464	ug/l #	19
86) p-Isopropyltoluene	13.204	119	62	3.800	ug/l #	51
88) 1,4-Dichlorobenzene	13.534	146	704	1.468	ug/l #	72
92) 1,2-Dibromo-3-Chloropr...	14.445	75	68	2.418	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.098	180	581	2.576	ug/l #	80
95) Naphthalene	15.334	128	1635	3.572	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.510	180	516	2.618	ug/l #	56

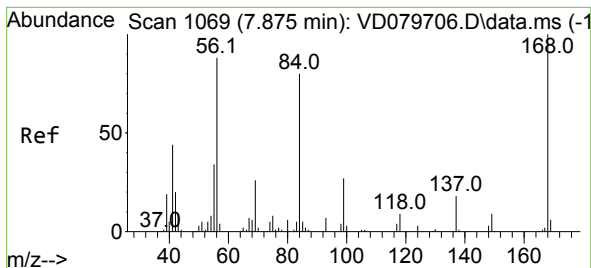
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 30 15:57:30 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

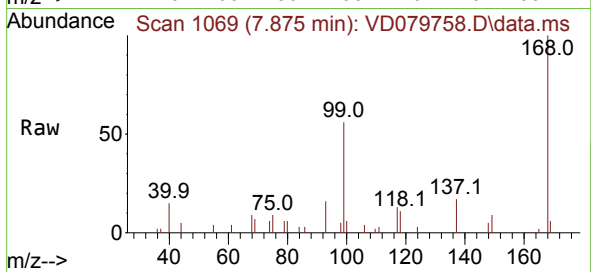
Lab File: VD079758.D

Acq: 30 Aug 2024 16:41

Instrument :

MSVOA_D

ClientSampleId :

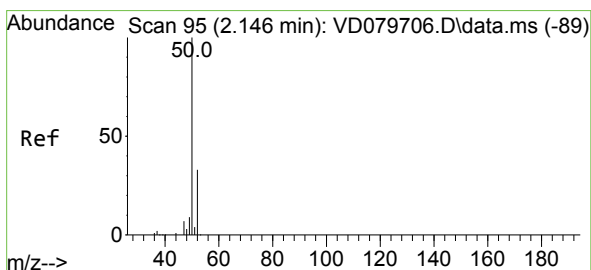
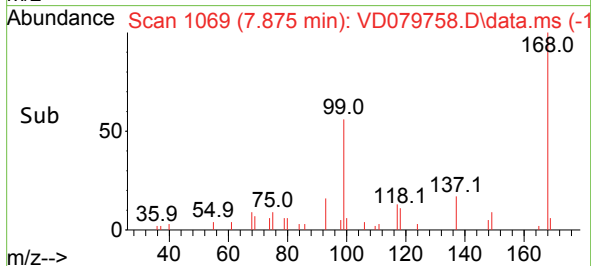
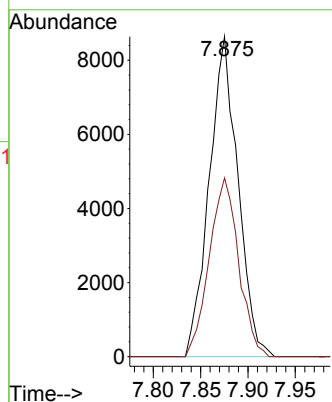


Tgt Ion:168 Resp: 18220

Ion Ratio Lower Upper

168 100

99 55.8 41.1 61.7



#3

Chloromethane

Concen: 1.134 ug/l

RT: 2.146 min Scan# 95

Delta R.T. -0.000 min

Lab File: VD079758.D

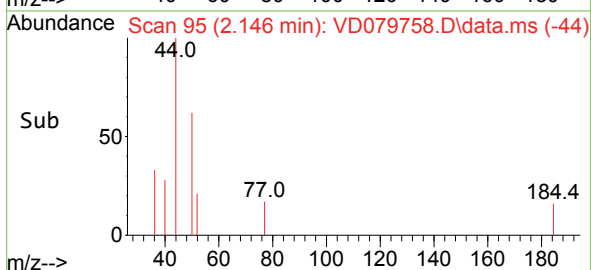
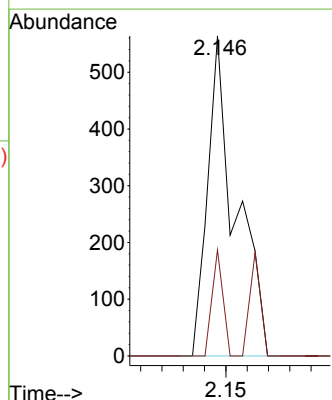
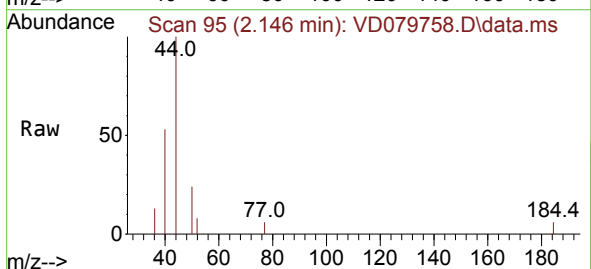
Acq: 30 Aug 2024 16:41

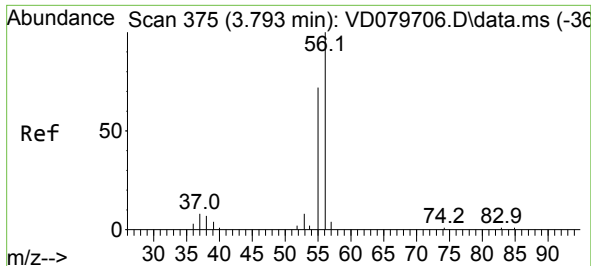
Tgt Ion: 50 Resp: 517

Ion Ratio Lower Upper

50 100

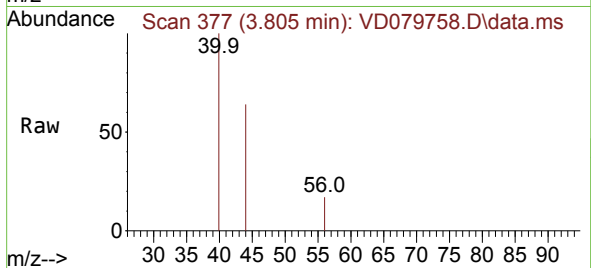
52 33.2 28.2 42.2



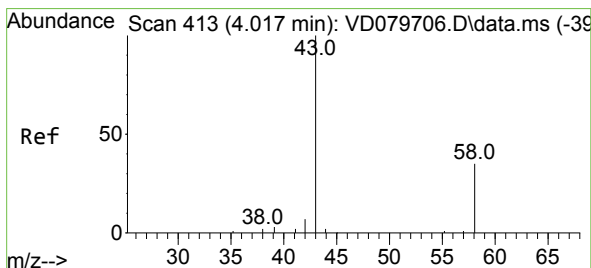
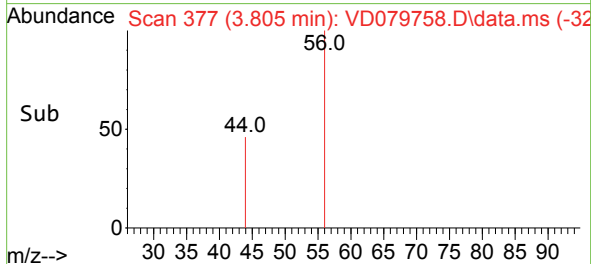
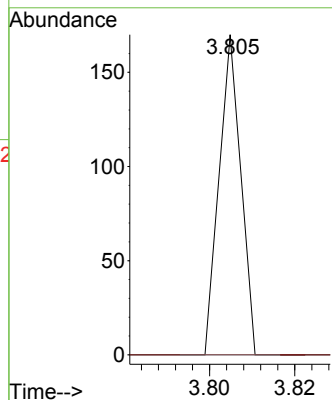


#13
Acrolein
Concen: 2.512 ug/l
RT: 3.805 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41

Instrument :
MSVOA_D
ClientSampleId :

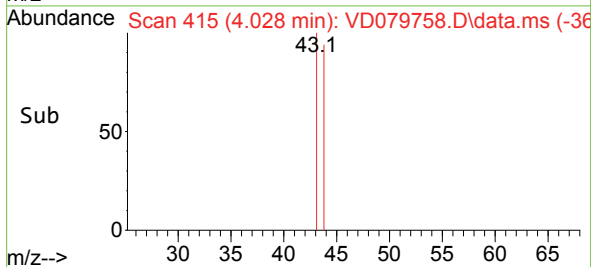
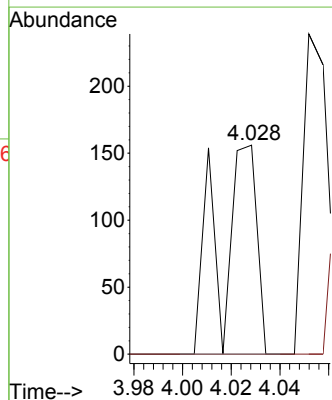
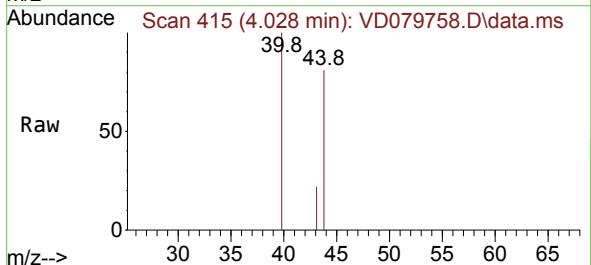


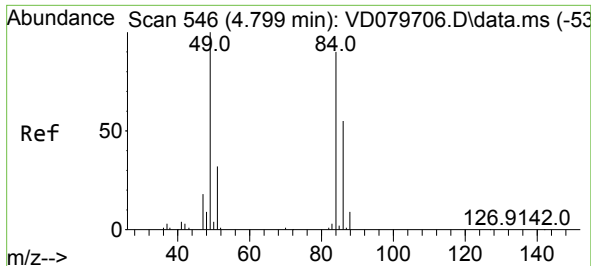
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 3.162 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.011 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41

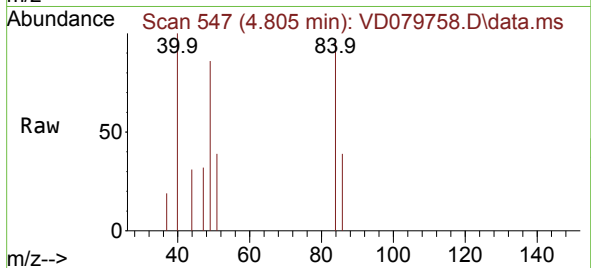
Tgt Ion: 43 Resp: 163
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



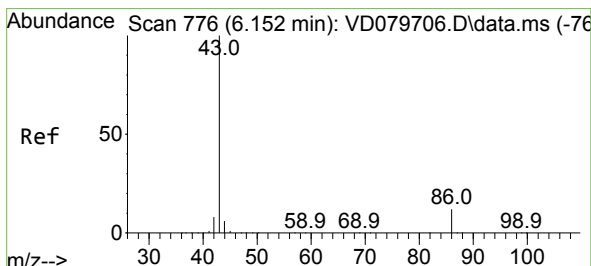
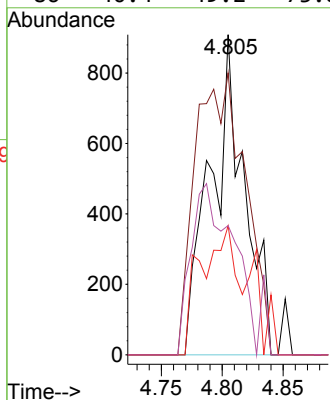
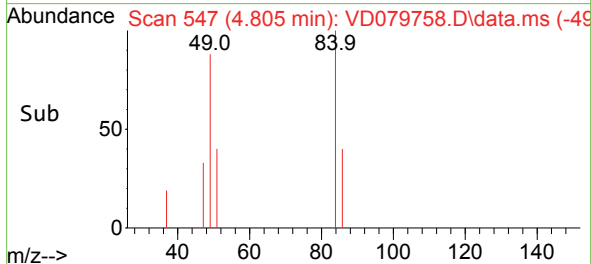


#20
Methylene Chloride
Concen: 3.286 ug/l
RT: 4.805 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41

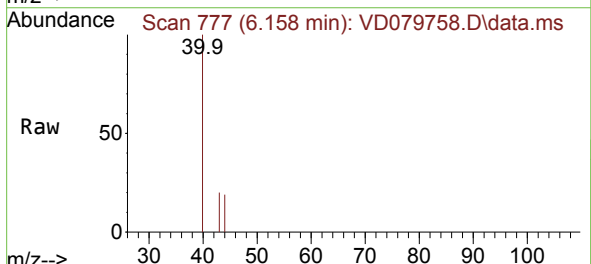
Instrument :
MSVOA_D
ClientSampleId :



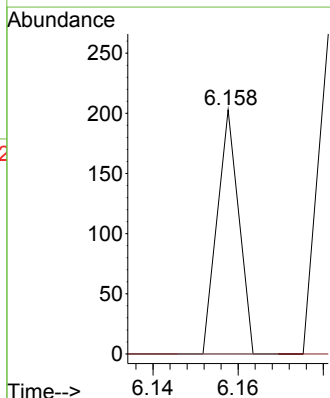
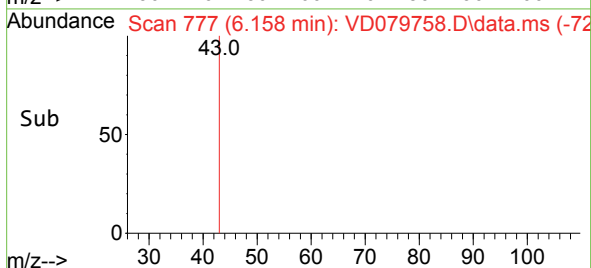
Tgt Ion: 84	Resp:	1766
Ion	Ratio	Lower Upper
84	100	
49	88.1	75.6 113.4
51	40.3	24.2 36.2#
86	40.4	49.2 73.8#

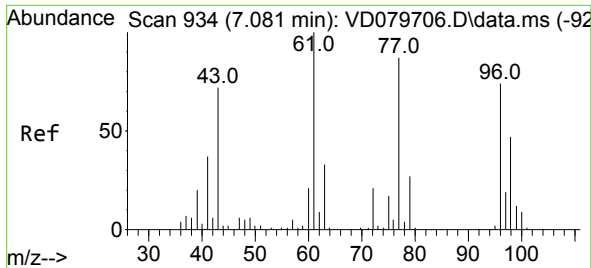


#23
Vinyl Acetate
Concen: 2.691 ug/l
RT: 6.158 min Scan# 777
Delta R.T. 0.006 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41



Tgt Ion: 43	Resp:	72
Ion	Ratio	Lower Upper
43	100	
86	0.0	12.3 18.5#

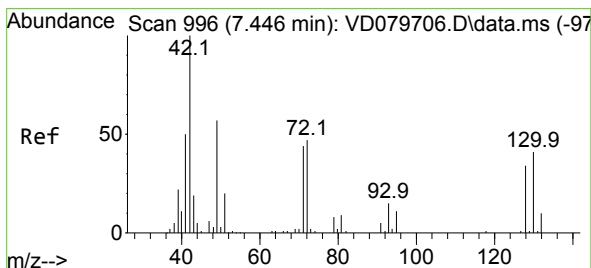
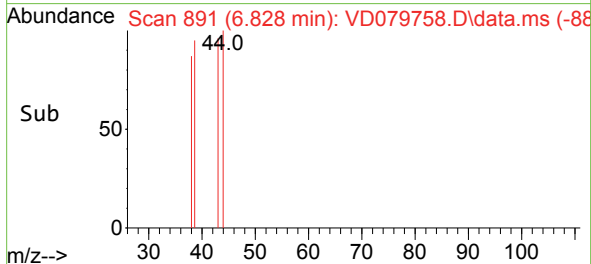
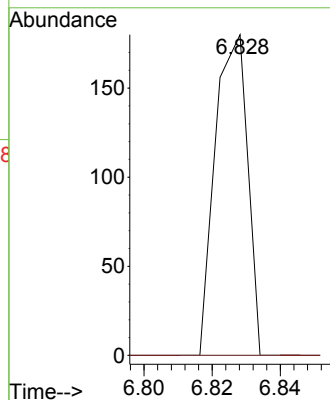
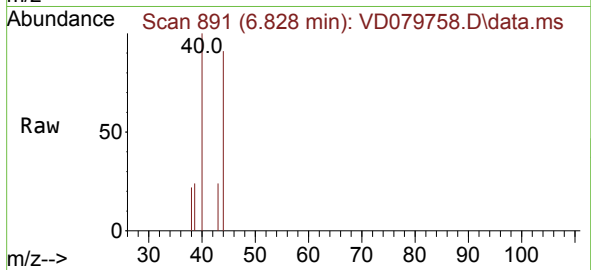




#25
2-Butanone
Concen: 1.730 ug/l
RT: 6.828 min Scan# 891
Delta R.T. -0.253 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41

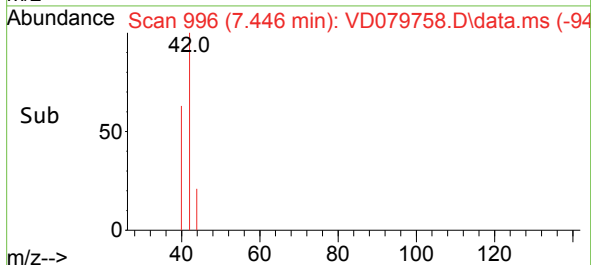
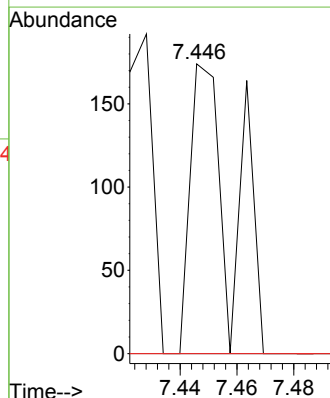
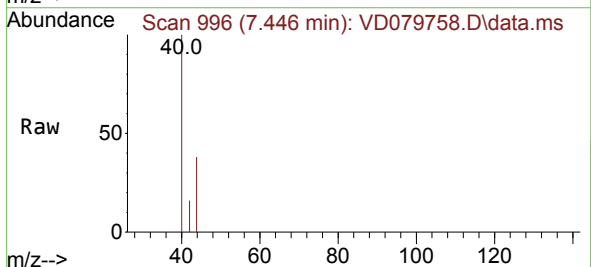
Instrument :
MSVOA_D
ClientSampleId :

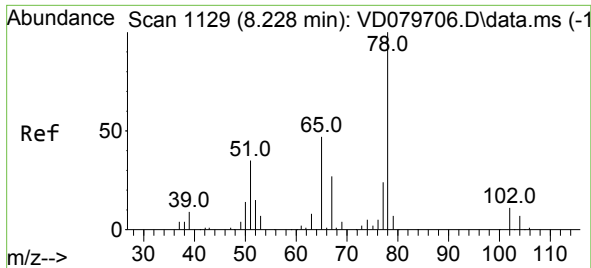
Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#



#29
Tetrahydrofuran
Concen: 4.184 ug/l
RT: 7.446 min Scan# 996
Delta R.T. -0.000 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41

Tgt Ion: 42 Resp: 178
Ion Ratio Lower Upper
42 100
72 0.0 49.4 74.0#
71 0.0 45.0 67.6#





#33

1,2-Dichloroethane-d4

Concen: 103.938 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079758.D

Acq: 30 Aug 2024 16:41

Instrument :

MSVOA_D

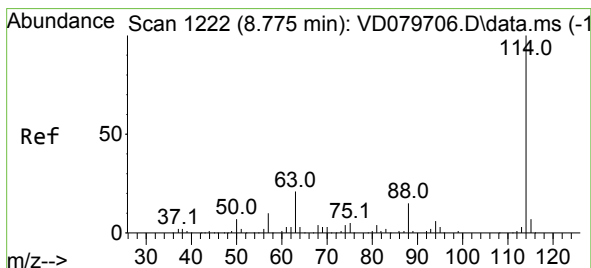
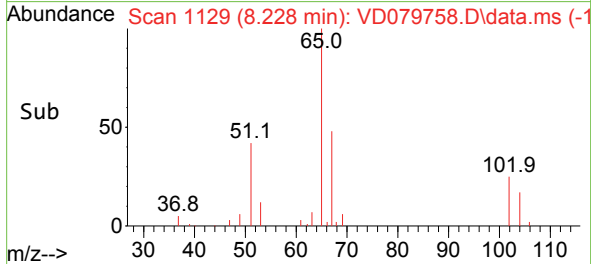
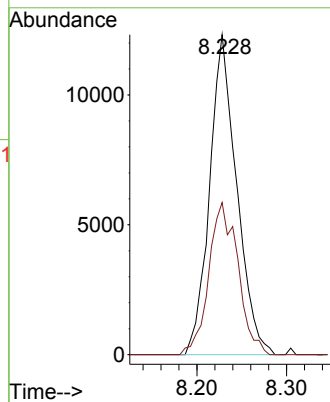
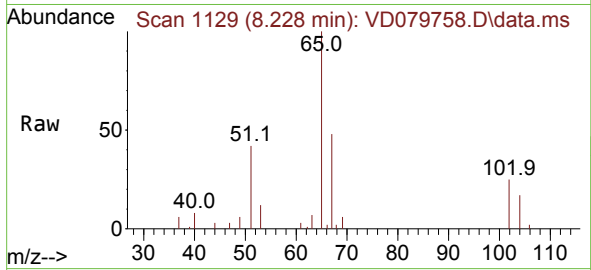
ClientSampleId :

Tgt Ion: 65 Resp: 25821

Ion Ratio Lower Upper

65 100

67 51.1 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD079758.D

Acq: 30 Aug 2024 16:41

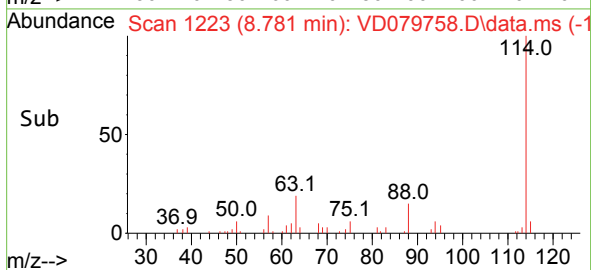
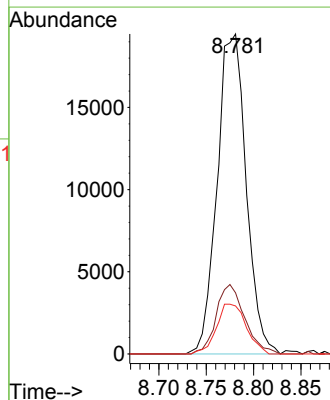
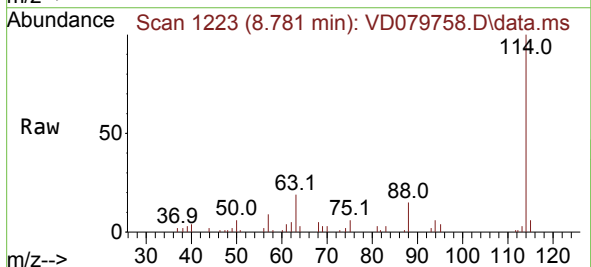
Tgt Ion:114 Resp: 41499

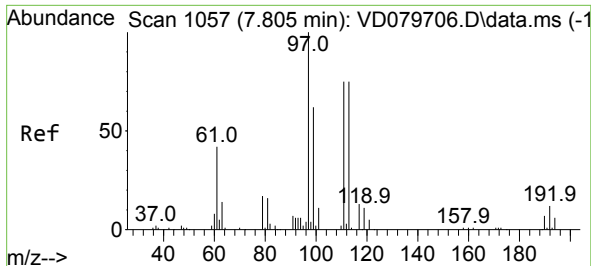
Ion Ratio Lower Upper

114 100

63 19.1 0.0 34.0

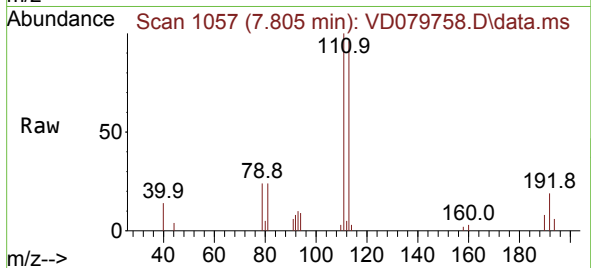
88 15.0 0.0 27.2



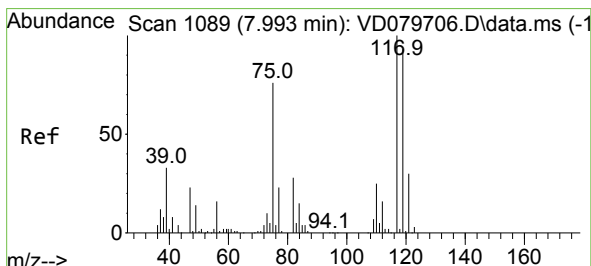
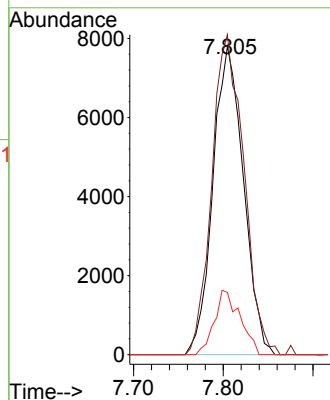
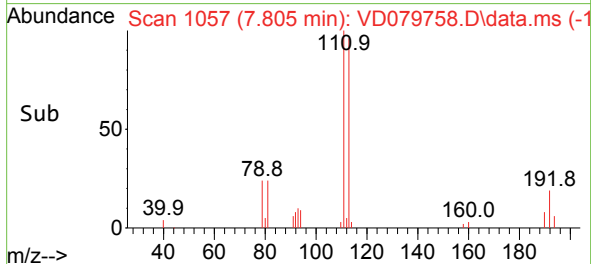


#35
Dibromofluoromethane
Concen: 68.314 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41

Instrument :
MSVOA_D
ClientSampleId :

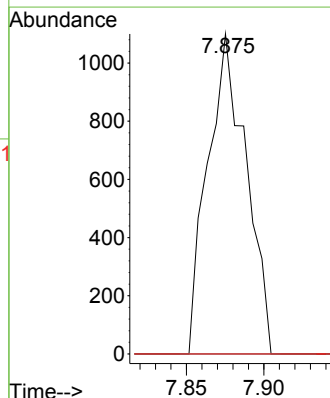
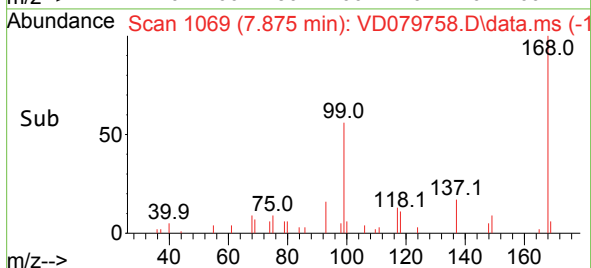
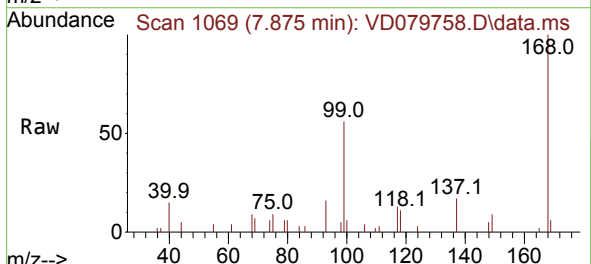


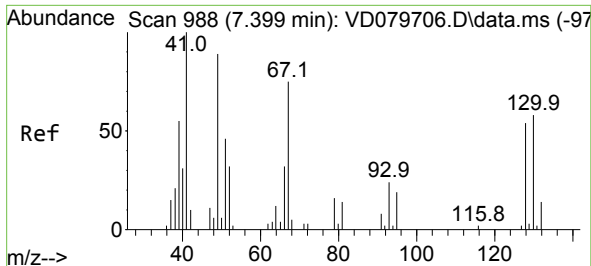
Tgt Ion:113 Resp: 18427
Ion Ratio Lower Upper
113 100
111 108.4 84.0 126.0
192 17.6 15.4 23.0



#38
Carbon Tetrachloride
Concen: 4.437 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41

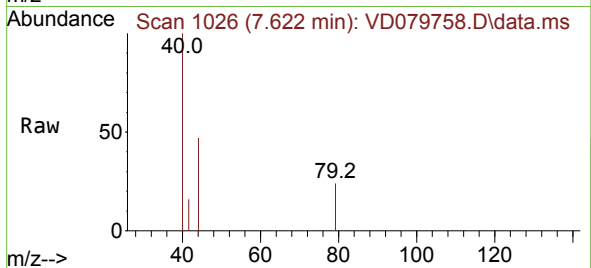
Tgt Ion:117 Resp: 1892
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.0 37.4#



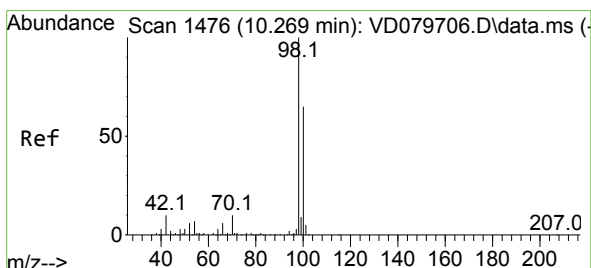
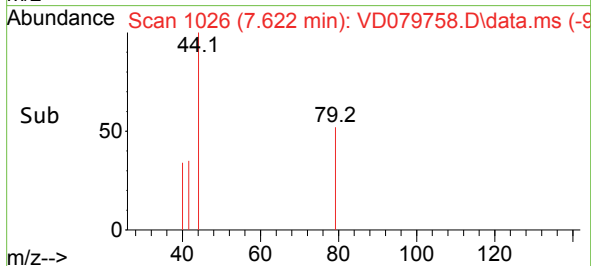
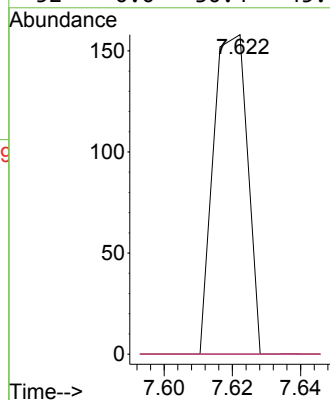


#41
Methacrylonitrile
Concen: 1.078 ug/l
RT: 7.622 min Scan# 1026
Delta R.T. 0.223 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41

Instrument :
MSVOA_D
ClientSampleId :

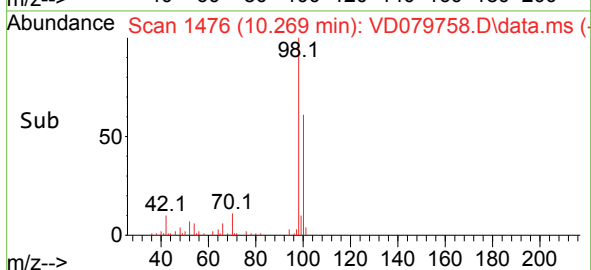
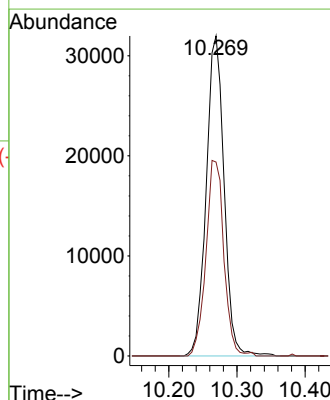
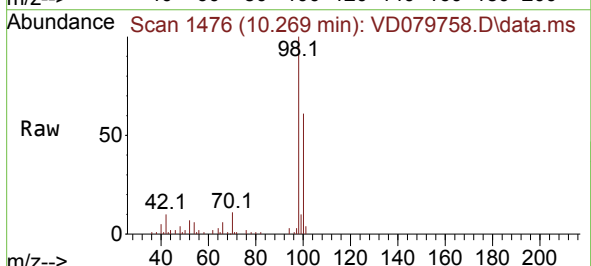


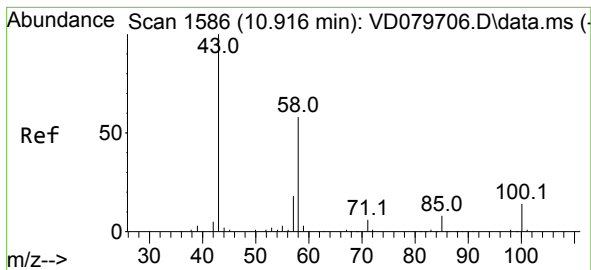
Tgt Ion: 41	Resp: 109
Ion Ratio	Lower Upper
41	100
39	0.0 41.4 62.0#
67	0.0 85.8 128.6#
52	0.0 30.4 45.6#



#50
Toluene-d8
Concen: 50.329 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41

Tgt Ion: 98	Resp: 58223
Ion Ratio	Lower Upper
98	100
100	61.4 51.6 77.4

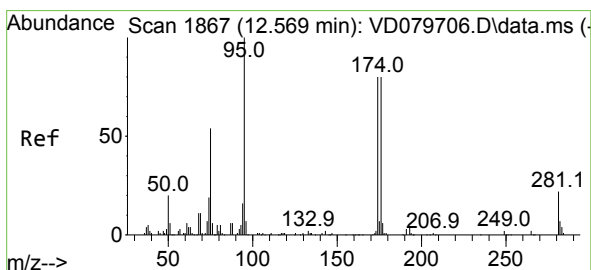
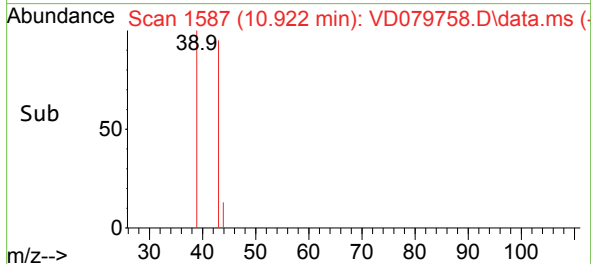
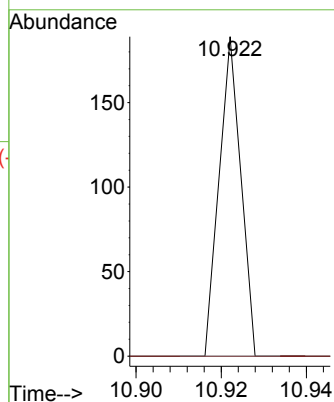
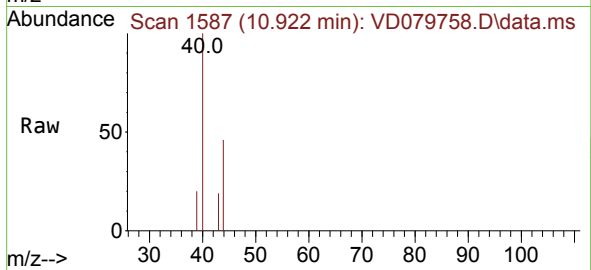




#59
2-Hexanone
Concen: 20.696 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41

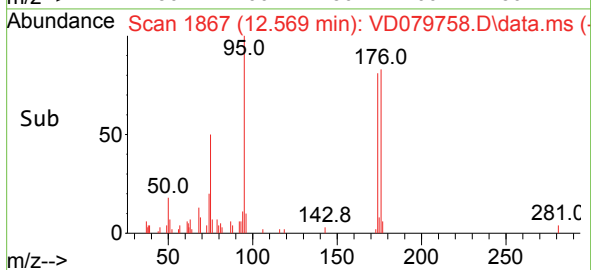
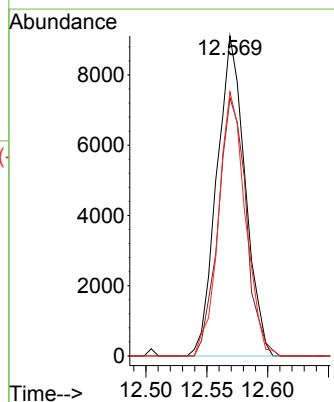
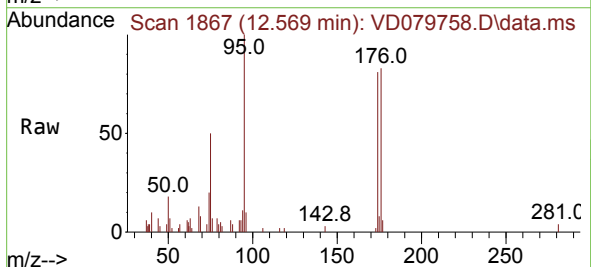
Instrument :
MSVOA_D
ClientSampleId :

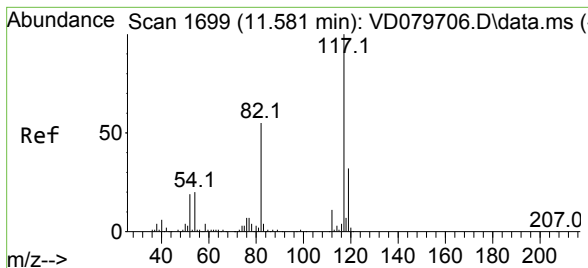
Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#



#62
4-Bromofluorobenzene
Concen: 45.503 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41

Tgt Ion: 95 Resp: 14729
Ion Ratio Lower Upper
95 100
174 79.3 0.0 195.4
176 78.0 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1699

Delta R.T. -0.000 min

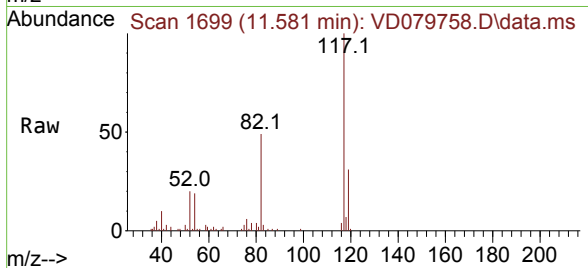
Lab File: VD079758.D

Acq: 30 Aug 2024 16:41

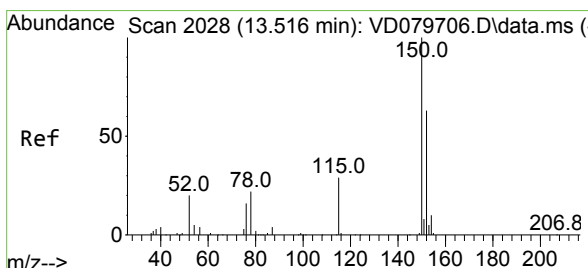
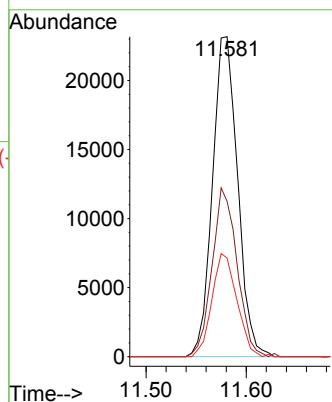
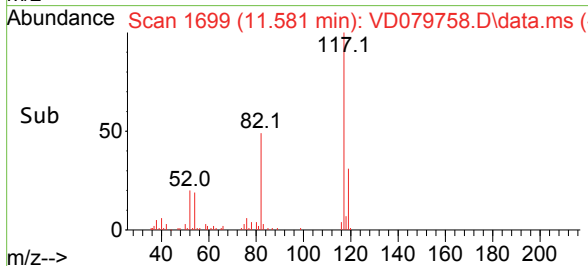
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:117	Resp:	40362
Ion	Ratio	Lower Upper
117	100	
82	48.6	39.8 59.6
119	30.9	25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

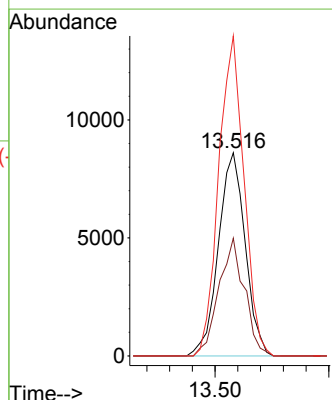
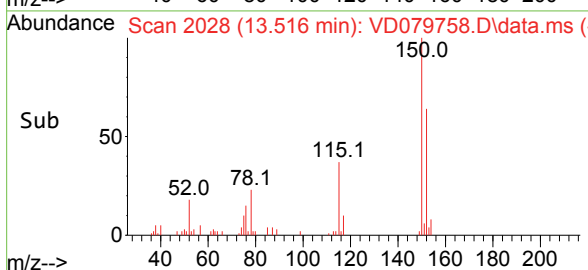
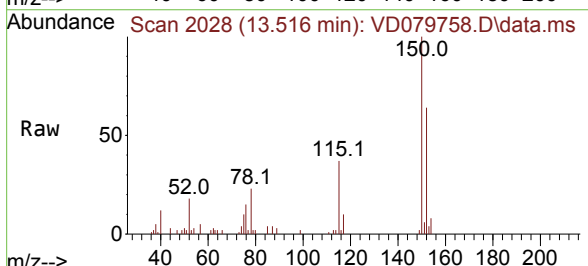
RT: 13.516 min Scan# 2028

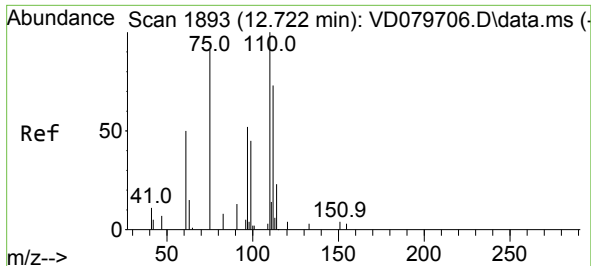
Delta R.T. -0.000 min

Lab File: VD079758.D

Acq: 30 Aug 2024 16:41

Tgt Ion:152	Resp:	14101
Ion	Ratio	Lower Upper
152	100	
115	55.4	26.5 79.5
150	148.5	0.0 341.6

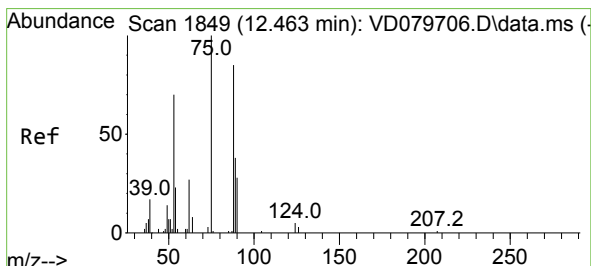
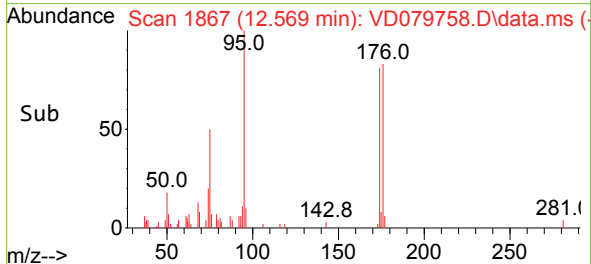
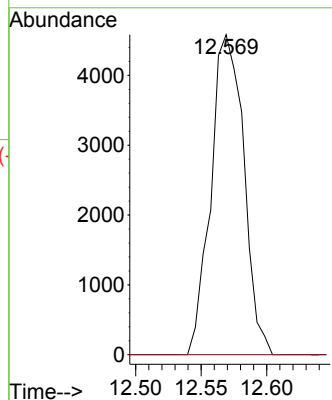
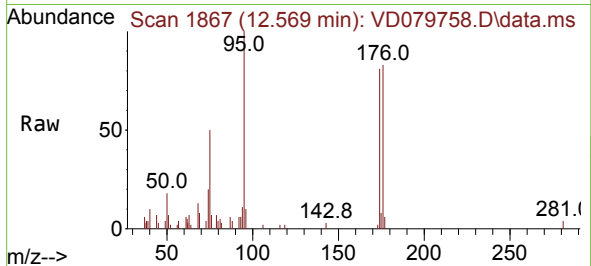




#76
1,2,3-Trichloropropane
Concen: 66.229 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41

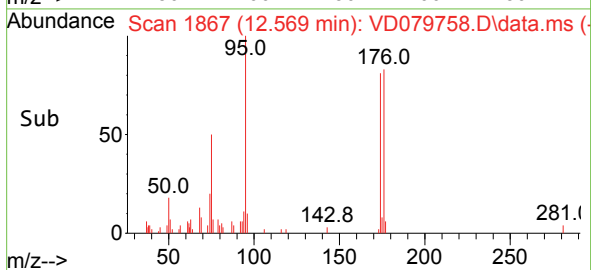
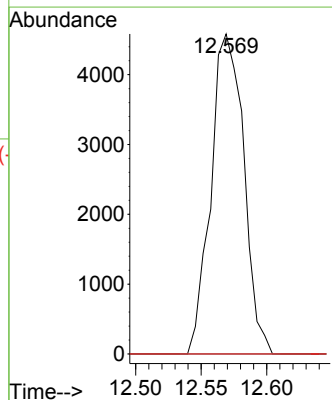
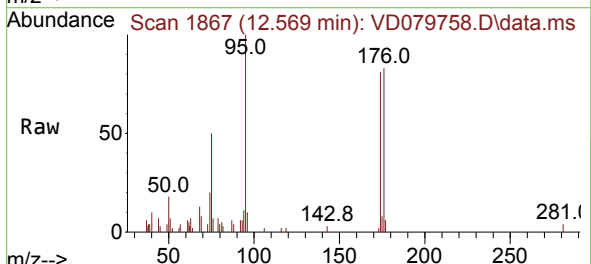
Instrument :
MSVOA_D
ClientSampleId :

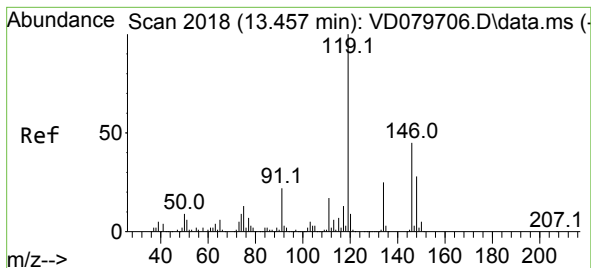
Tgt Ion: 75 Resp: 7982
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 110.464 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.106 min
Lab File: VD079758.D
Acq: 30 Aug 2024 16:41

Tgt Ion: 75 Resp: 7982
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#





#86

p-Isopropyltoluene

Concen: 3.800 ug/l

RT: 13.204 min Scan# 1975

Delta R.T. -0.253 min

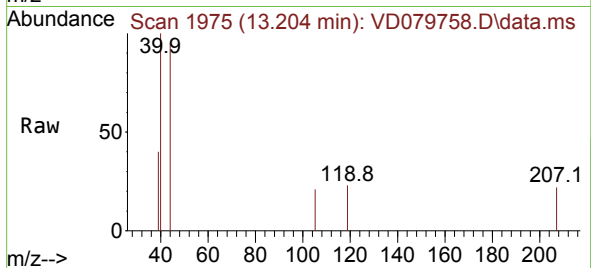
Lab File: VD079758.D

Acq: 30 Aug 2024 16:41

Instrument :

MSVOA_D

ClientSampleId :



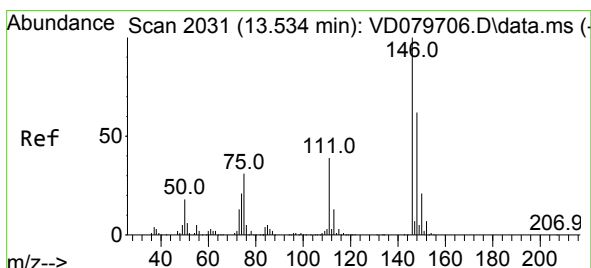
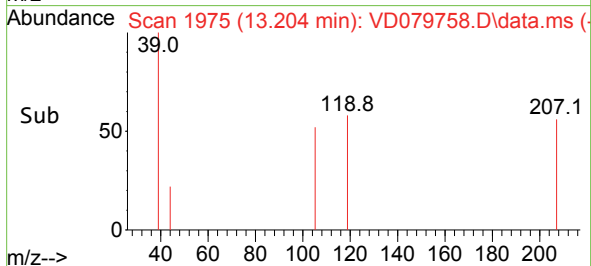
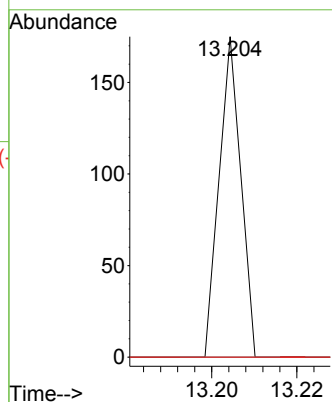
Tgt Ion:119 Resp: 62

Ion Ratio Lower Upper

119 100

134 0.0 13.7 41.1#

91 0.0 10.7 32.1#



#88

1,4-Dichlorobenzene

Concen: 1.468 ug/l

RT: 13.534 min Scan# 2031

Delta R.T. -0.000 min

Lab File: VD079758.D

Acq: 30 Aug 2024 16:41

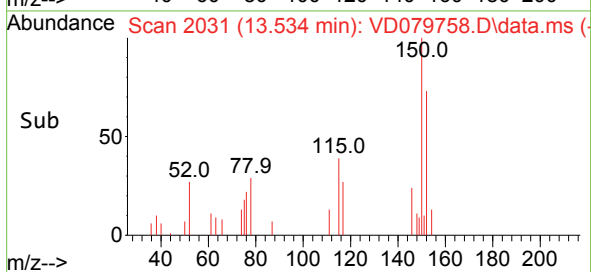
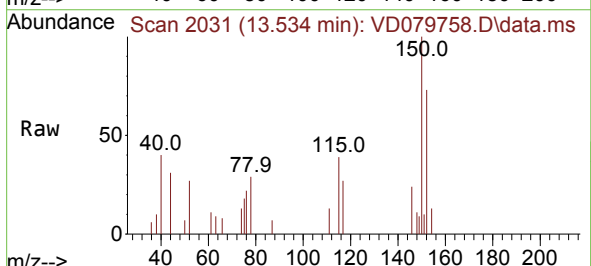
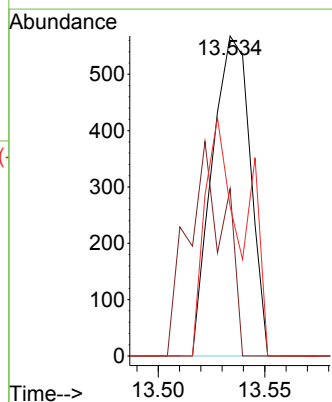
Tgt Ion:146 Resp: 704

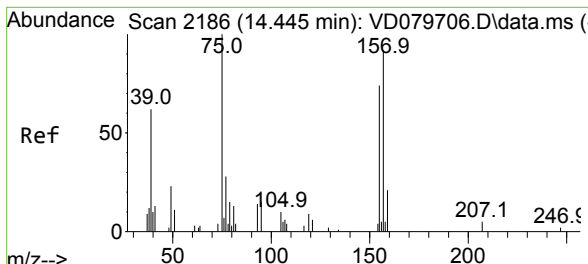
Ion Ratio Lower Upper

146 100

111 64.5 17.5 52.6#

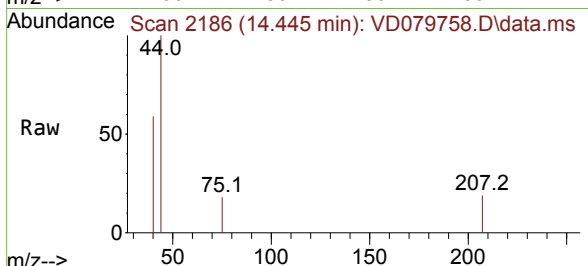
148 75.0 31.4 94.2



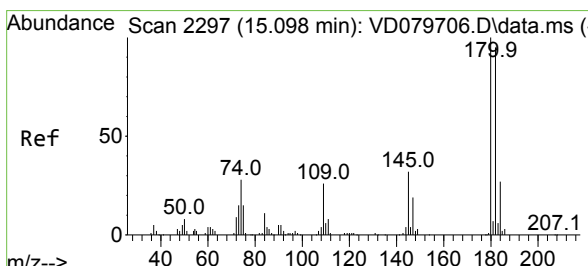
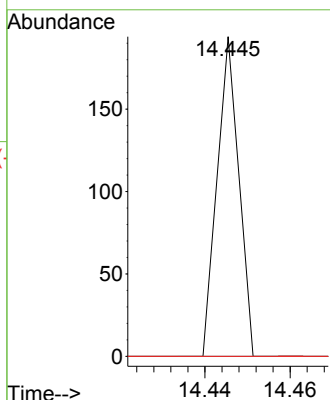
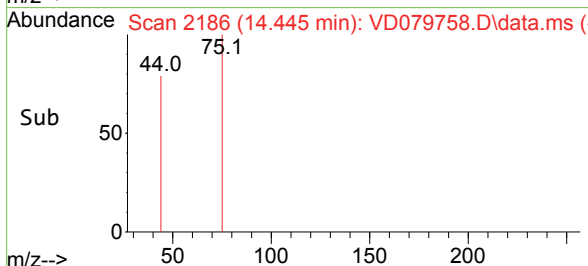


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.418 ug/l
 RT: 14.445 min Scan# 2186
 Delta R.T. -0.000 min
 Lab File: VD079758.D
 Acq: 30 Aug 2024 16:41

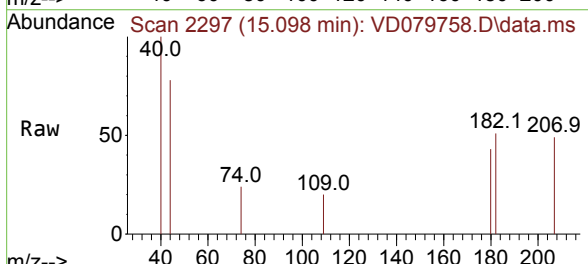
Instrument :
 MSVOA_D
 ClientSampleId :



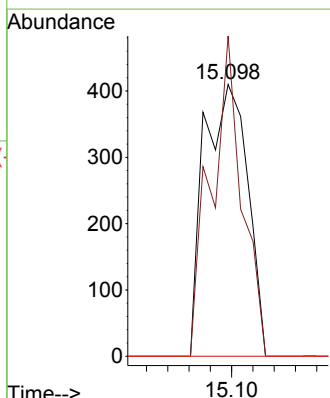
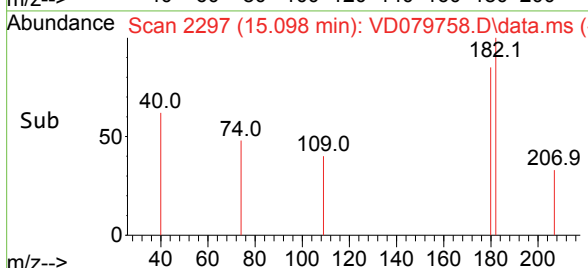
Tgt Ion: 75 Resp: 68
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.7 143.1#
 157 0.0 63.4 190.2#

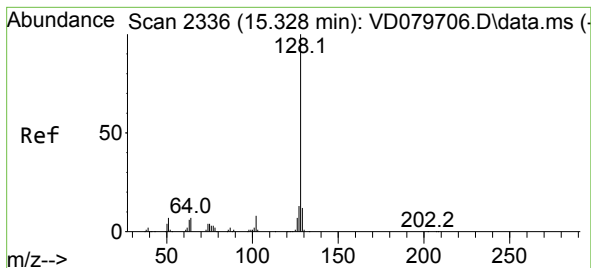


#93
 1,2,4-Trichlorobenzene
 Concen: 2.576 ug/l
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.000 min
 Lab File: VD079758.D
 Acq: 30 Aug 2024 16:41



Tgt Ion: 180 Resp: 581
 Ion Ratio Lower Upper
 180 100
 182 84.3 46.9 140.7
 145 0.0 14.0 41.9#





#95

Naphthalene

Concen: 3.572 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD079758.D

Acq: 30 Aug 2024 16:41

Instrument :

MSVOA_D

ClientSampleId :

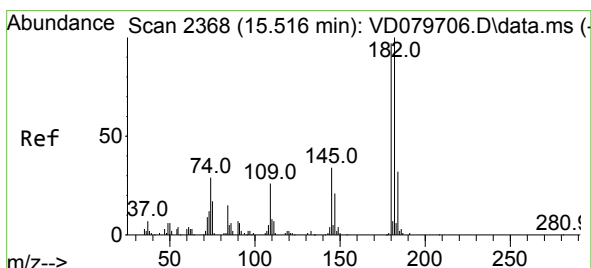
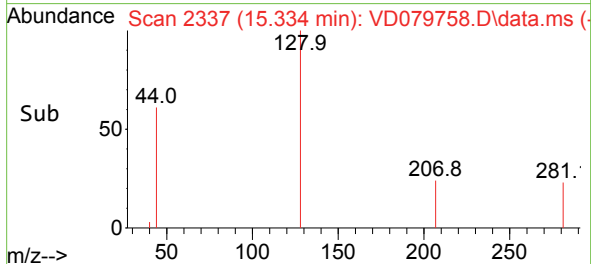
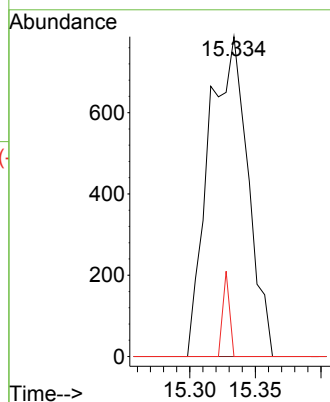
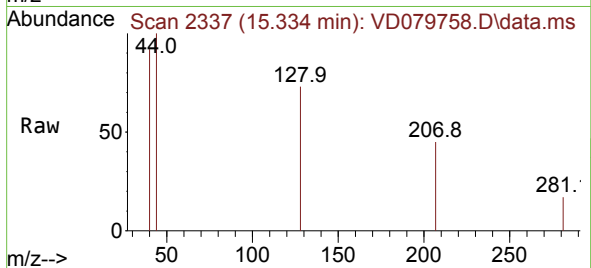
Tgt Ion:128 Resp: 1635

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.5 12.7#



#96

1,2,3-Trichlorobenzene

Concen: 2.618 ug/l

RT: 15.510 min Scan# 2367

Delta R.T. -0.006 min

Lab File: VD079758.D

Acq: 30 Aug 2024 16:41

Tgt Ion:180 Resp: 516

Ion Ratio Lower Upper

180 100

182 48.8 47.8 143.3

145 13.8 16.1 48.2#

