

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012023\
 Data File : VD075155.D
 Acq On : 20 Jan 2023 16:03
 Operator : KP/SY
 Sample : 01233-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P34A

Quant Time: Jan 23 00:32:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 19 01:32:27 2023
 Response via : Initial Calibration

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

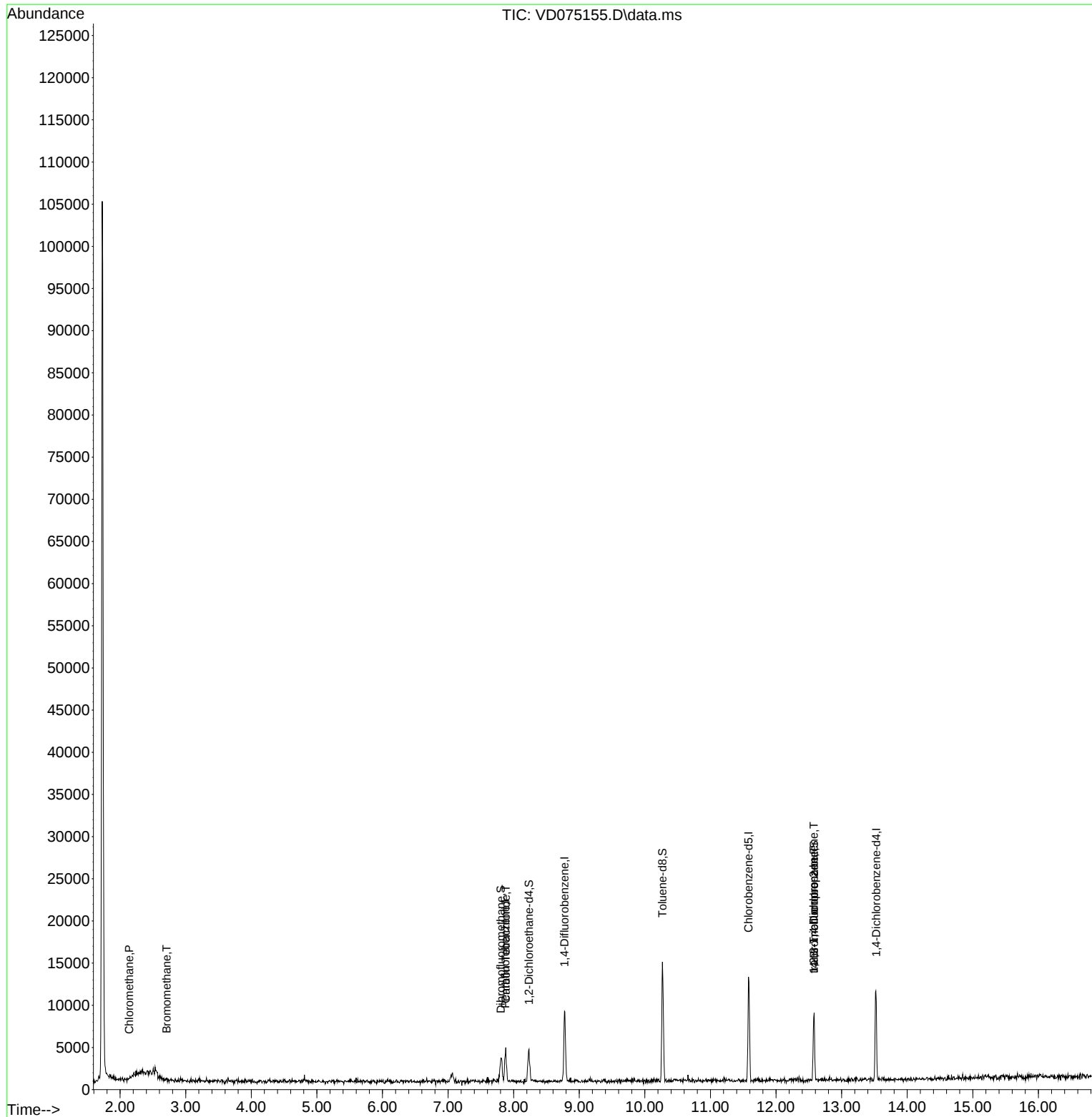
Internal Standards						
1) Pentafluorobenzene	7.875	168	3649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	8118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	7328	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.528	152	2994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	2935	78.823	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 157.640%	
35) Dibromofluoromethane	7.805	113	2615	53.308	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.620%	
50) Toluene-d8	10.269	98	9802	50.749	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.500%	
62) 4-Bromofluorobenzene	12.581	95	3133	51.110	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.220%	
Target Compounds						Qvalue
3) Chloromethane	2.140	50	118	2.503	ug/l #	41
5) Bromomethane	2.711	94	62	1.802	ug/l #	3
20) Methylene Chloride	4.811	84	125	Below Cal	#	78
38) Carbon Tetrachloride	7.881	117	100	1.507	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	1679	66.215	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	1679	153.590	ug/l #	14

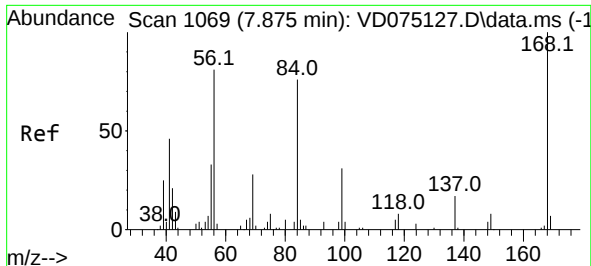
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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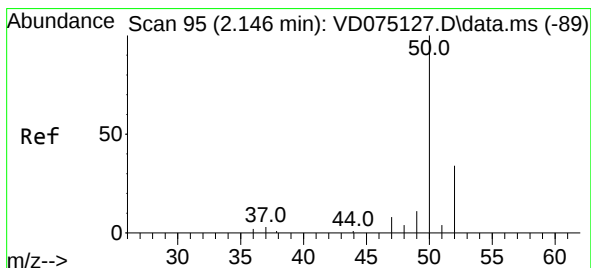
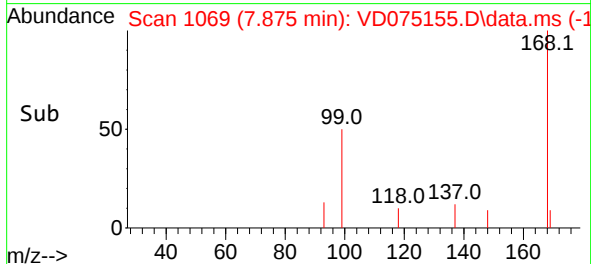
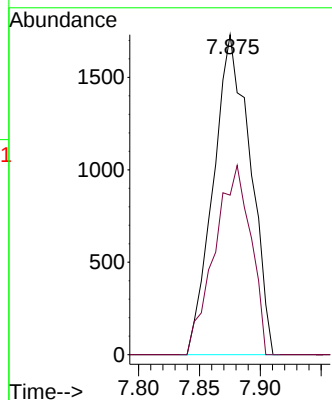
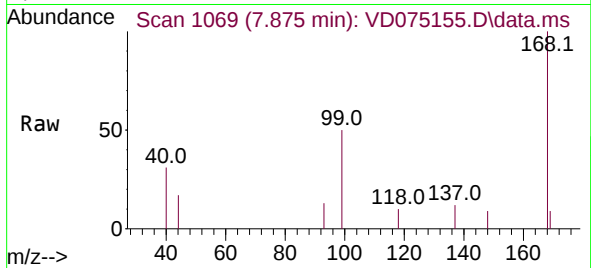




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075155.D
Acq: 20 Jan 2023 16:03

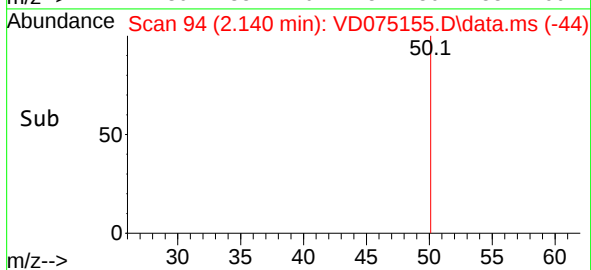
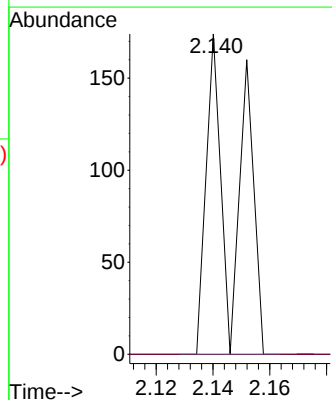
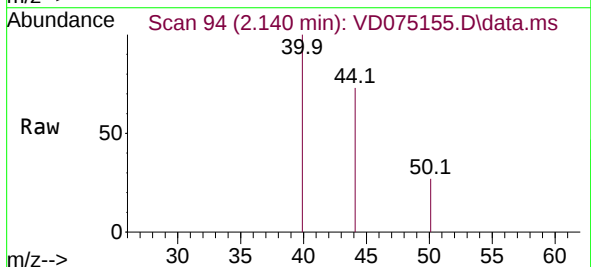
Instrument :
MSVOA_D
ClientSampleId :
B-P34A

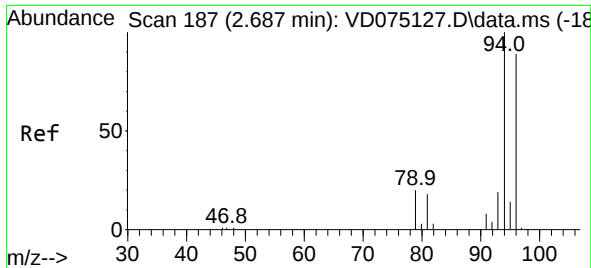
Tgt Ion:168 Resp: 3649
Ion Ratio Lower Upper
168 100
99 49.9 45.2 67.8



#3
Chloromethane
Concen: 2.503 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD075155.D
Acq: 20 Jan 2023 16:03

Tgt Ion: 50 Resp: 118
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#





#5

Bromomethane

Concen: 1.802 ug/l

RT: 2.711 min Scan# 191

Delta R.T. 0.023 min

Lab File: VD075155.D

Acq: 20 Jan 2023 16:03

Instrument :

MSVOA_D

ClientSampleId :

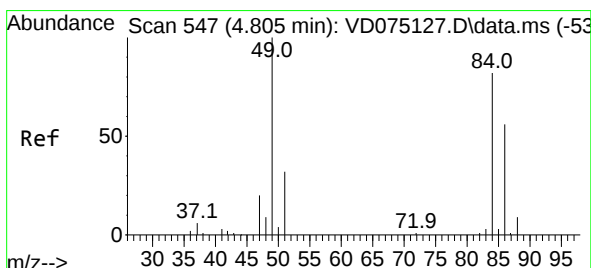
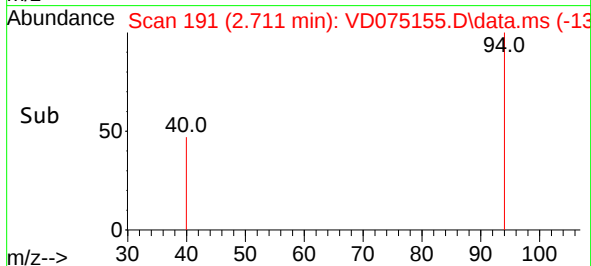
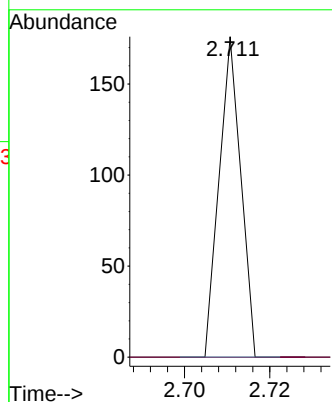
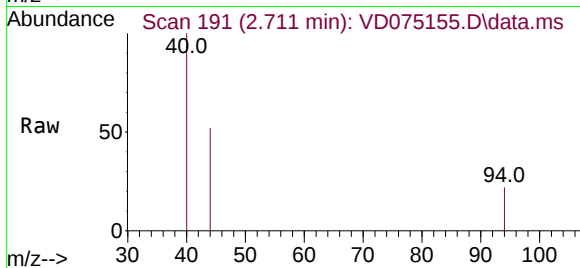
B-P34A

Tgt Ion: 94 Resp: 62

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.811 min Scan# 548

Delta R.T. 0.006 min

Lab File: VD075155.D

Acq: 20 Jan 2023 16:03

Tgt Ion: 84 Resp: 125

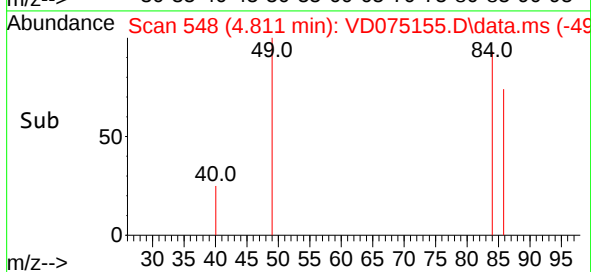
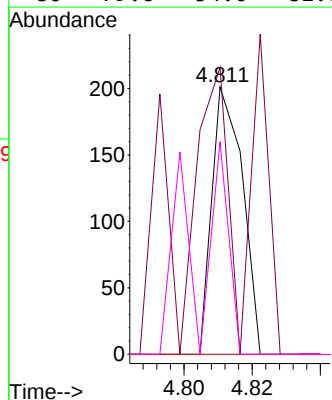
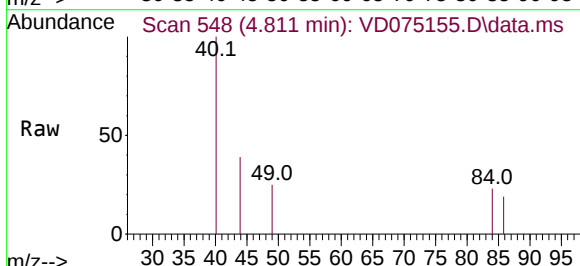
Ion Ratio Lower Upper

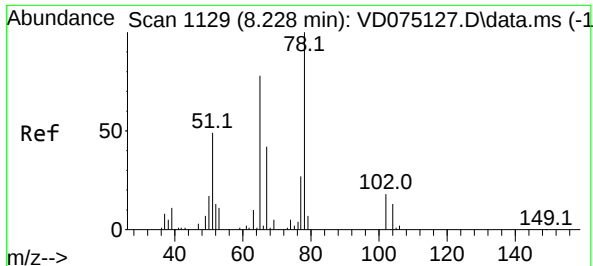
84 100

49 107.5 97.0 145.6

51 0.0 30.9 46.3#

86 79.6 54.0 81.0





#33

1,2-Dichloroethane-d4

Concen: 78.823 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD075155.D

Acq: 20 Jan 2023 16:03

Instrument :

MSVOA_D

ClientSampleId :

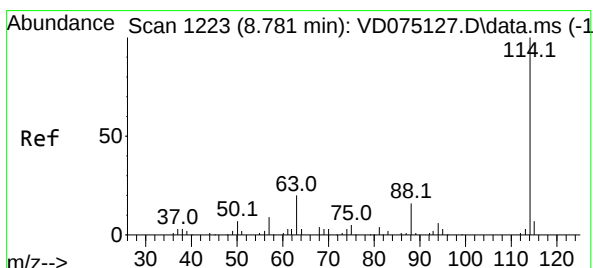
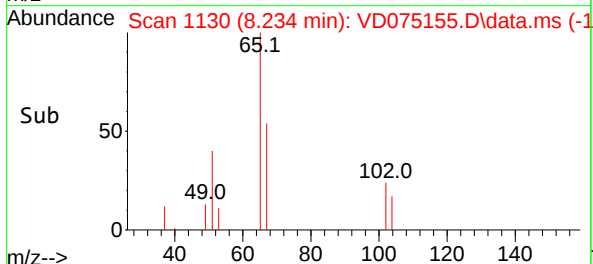
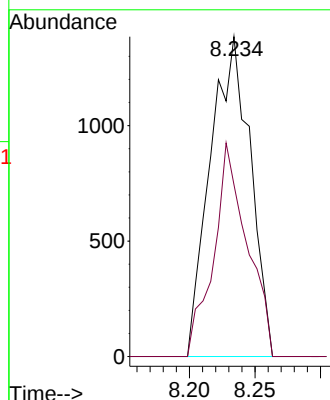
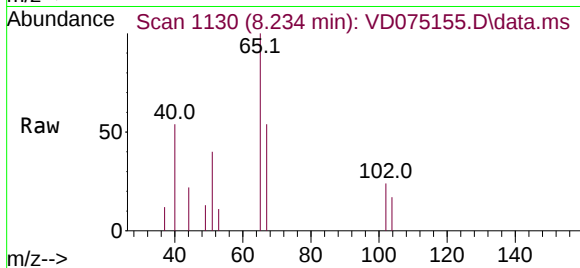
B-P34A

Tgt Ion: 65 Resp: 2935

Ion Ratio Lower Upper

65 100

67 56.0 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD075155.D

Acq: 20 Jan 2023 16:03

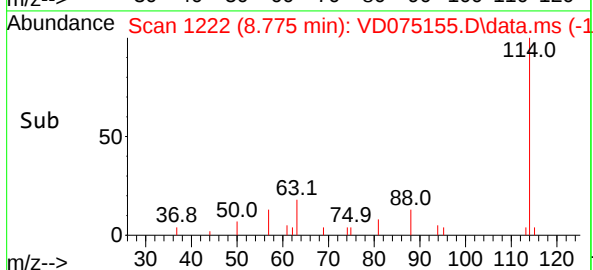
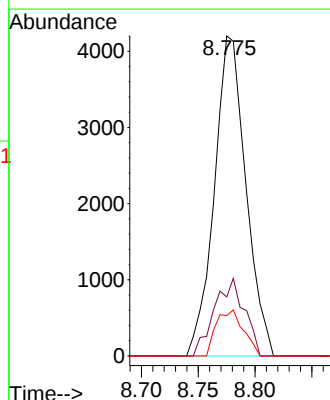
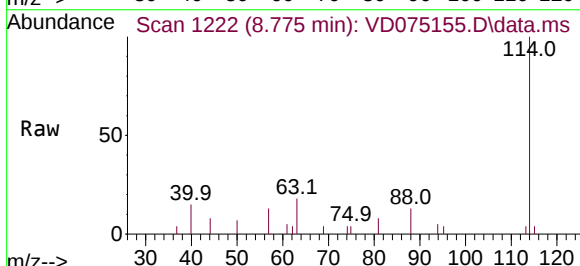
Tgt Ion: 114 Resp: 8118

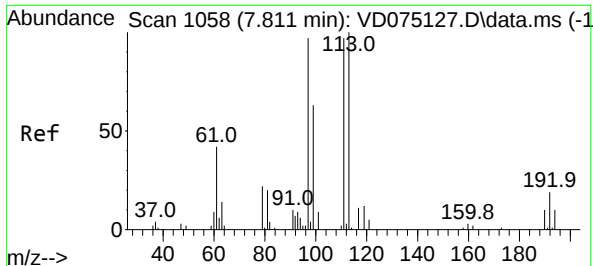
Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.2

88 12.6 0.0 32.2

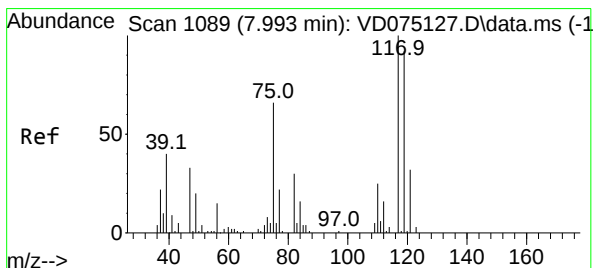
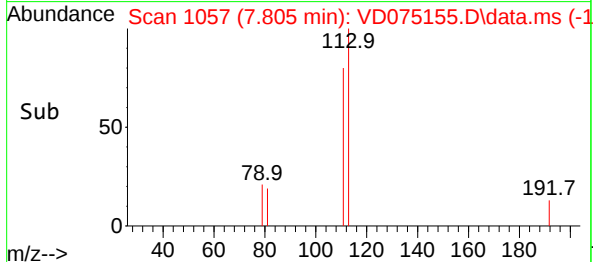
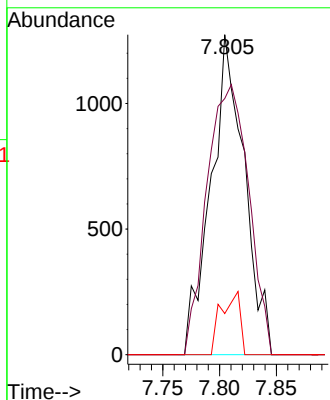
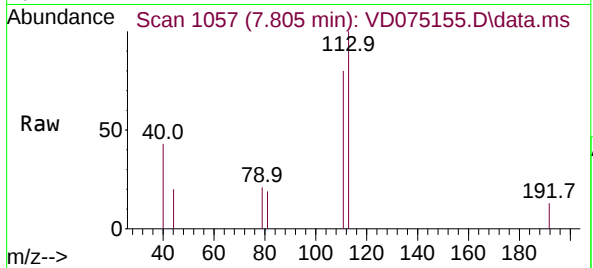




#35
 Dibromofluoromethane
 Concen: 53.308 ug/l
 RT: 7.805 min Scan# 1057
 Delta R.T. -0.006 min
 Lab File: VD075155.D
 Acq: 20 Jan 2023 16:03

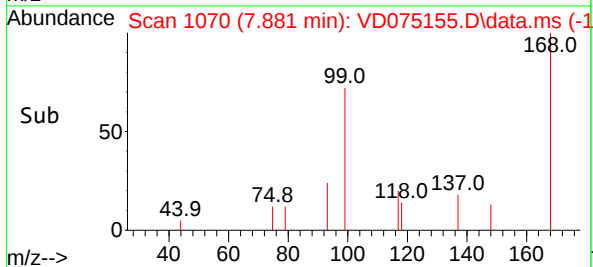
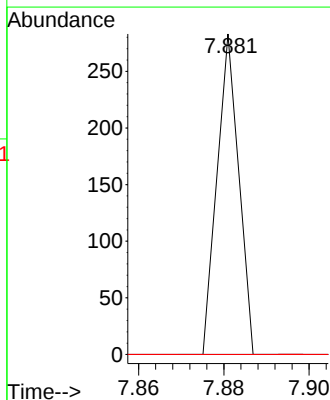
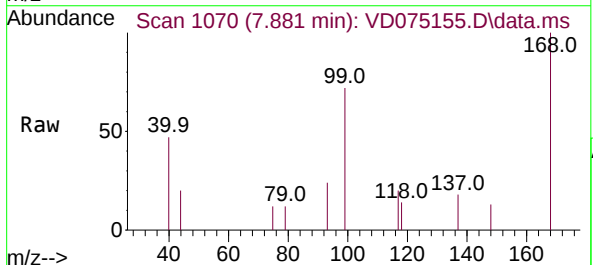
Instrument :
 MSVOA_D
 ClientSampleId :
 B-P34A

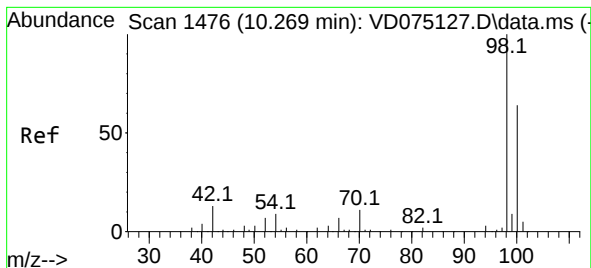
Tgt Ion:113	Resp:	2615
Ion	Ratio	Lower Upper
113	100	
111	105.3	80.1 120.1
192	11.1	15.4 23.0#



#38
 Carbon Tetrachloride
 Concen: 1.507 ug/l
 RT: 7.881 min Scan# 1070
 Delta R.T. -0.112 min
 Lab File: VD075155.D
 Acq: 20 Jan 2023 16:03

Tgt Ion:117	Resp:	100
Ion	Ratio	Lower Upper
117	100	
119	0.0	73.6 110.4#
121	0.0	25.4 38.0#

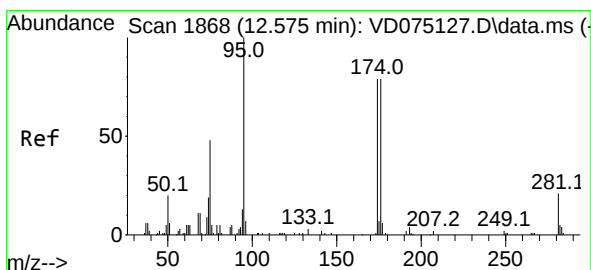
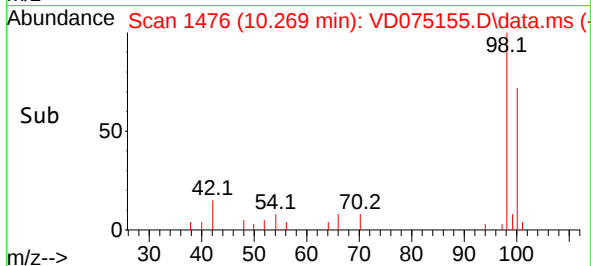
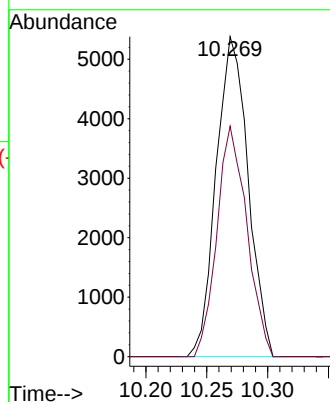
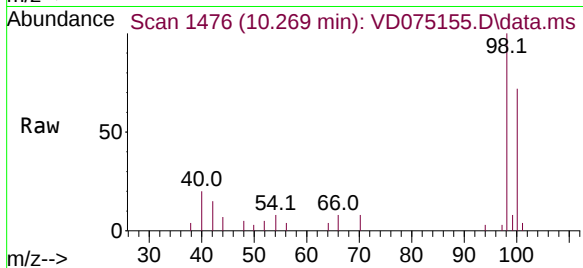




#50
Toluene-d8
Concen: 50.749 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075155.D
Acq: 20 Jan 2023 16:03

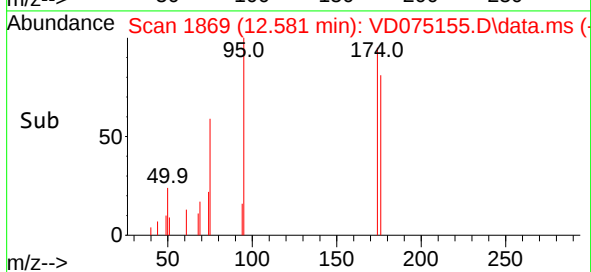
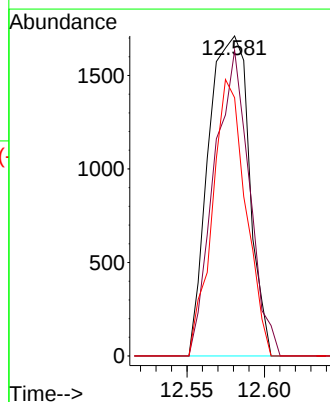
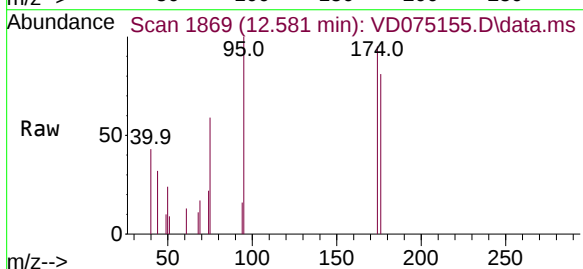
Instrument :
MSVOA_D
ClientSampleId :
B-P34A

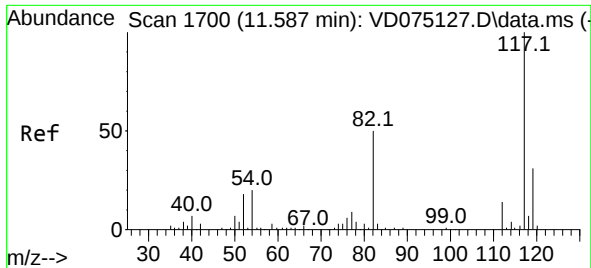
Tgt Ion: 98 Resp: 9802
Ion Ratio Lower Upper
98 100
100 67.5 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 51.110 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VD075155.D
Acq: 20 Jan 2023 16:03

Tgt Ion: 95 Resp: 3133
Ion Ratio Lower Upper
95 100
174 82.7 0.0 161.2
176 70.7 0.0 160.2

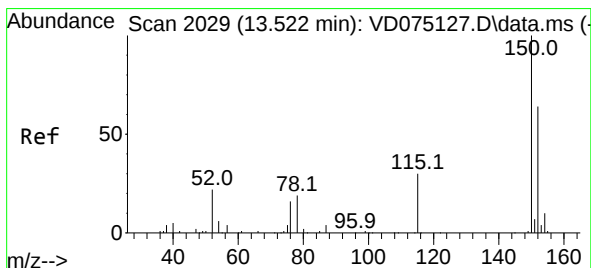
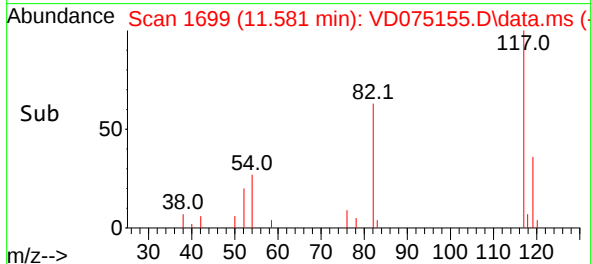
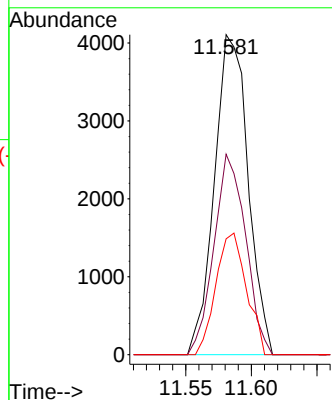
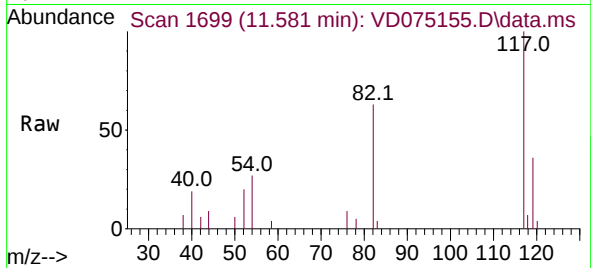




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075155.D
Acq: 20 Jan 2023 16:03

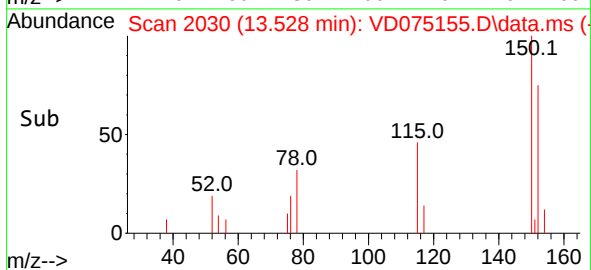
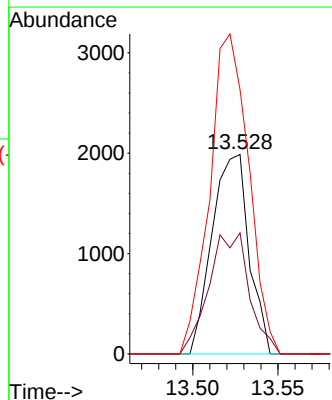
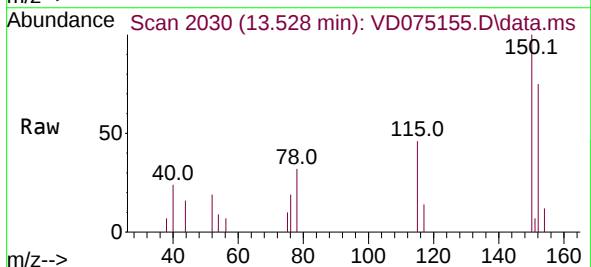
Instrument :
MSVOA_D
ClientSampleId :
B-P34A

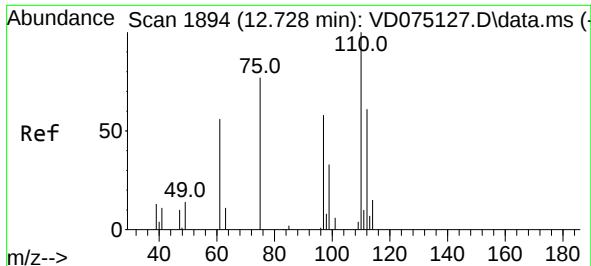
Tgt Ion:117 Resp: 7328
Ion Ratio Lower Upper
117 100
82 62.6 39.6 59.4#
119 36.2 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.528 min Scan# 2030
Delta R.T. 0.006 min
Lab File: VD075155.D
Acq: 20 Jan 2023 16:03

Tgt Ion:152 Resp: 2994
Ion Ratio Lower Upper
152 100
115 66.3 28.8 86.4
150 169.2 0.0 348.6

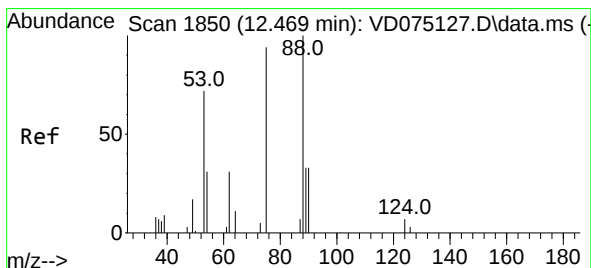
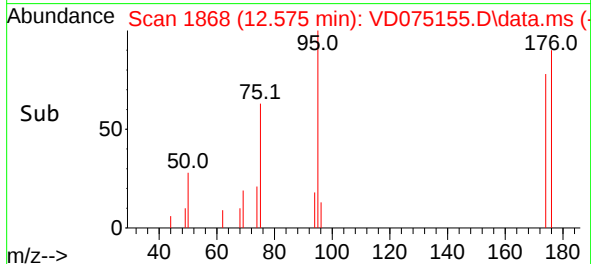
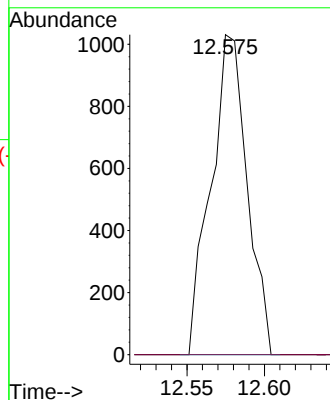
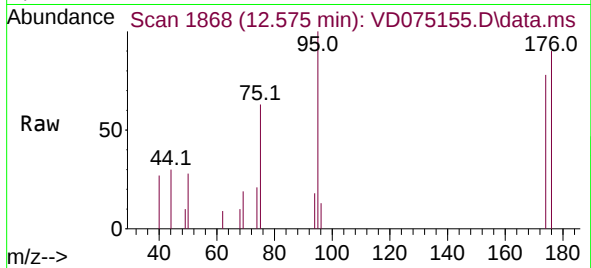




#76
1,2,3-Trichloropropane
Concen: 66.215 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075155.D
Acq: 20 Jan 2023 16:03

Instrument :
MSVOA_D
ClientSampleId :
B-P34A

Tgt Ion: 75 Resp: 1679
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 153.590 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075155.D
Acq: 20 Jan 2023 16:03

Tgt Ion: 75 Resp: 1679
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#

