

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111422\
 Data File : VD074935.D
 Acq On : 14 Nov 2022 15:29
 Operator : VA/SY
 Sample : N5607-11RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-40ARE

Quant Time: Nov 15 00:16:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

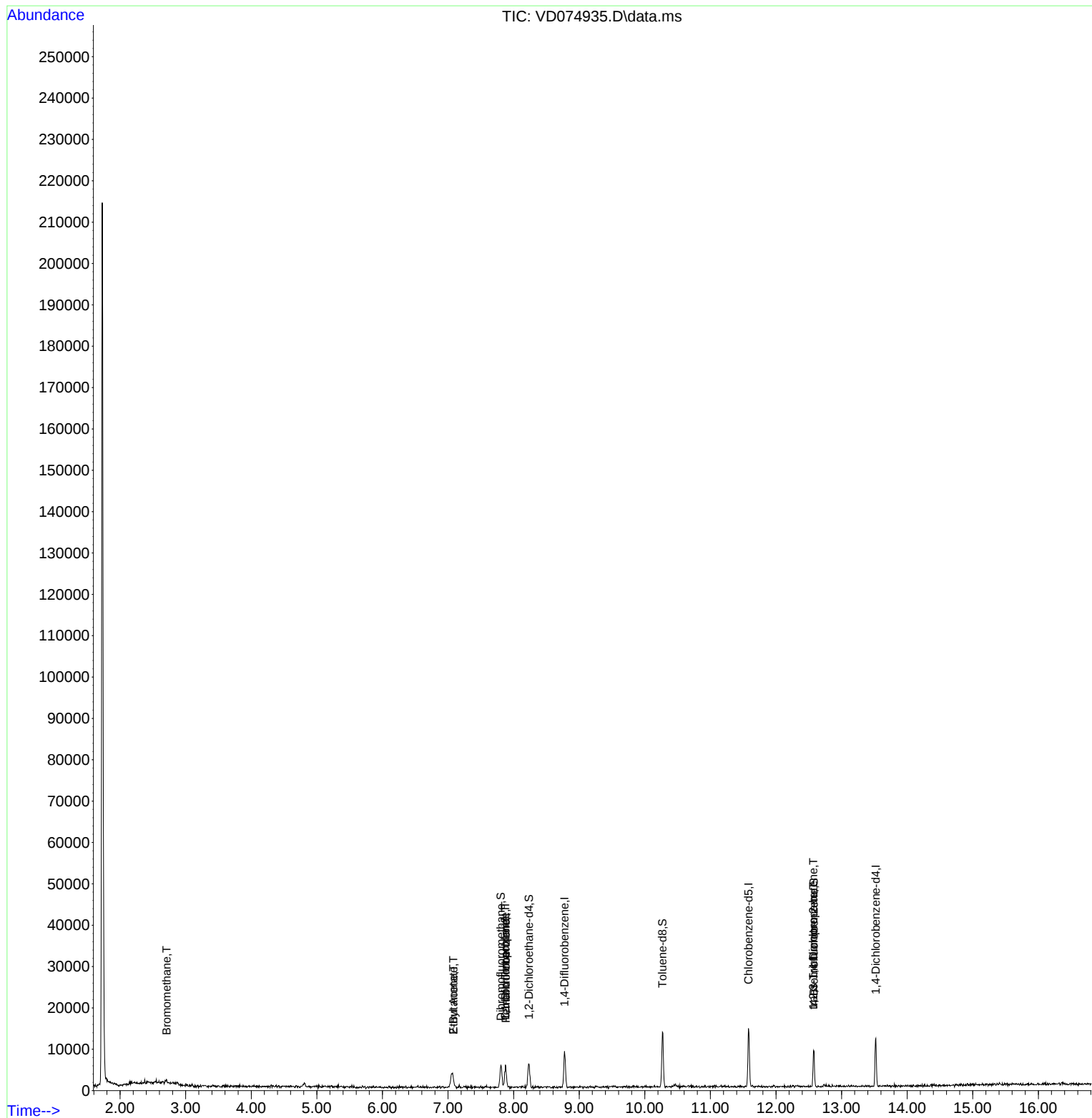
Internal Standards						
1) Pentafluorobenzene	7.881	168	5163	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	9605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	9785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	3909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	4707	148.928	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 297.860%#	
35) Dibromofluoromethane	7.805	113	3986	67.322	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.640%	
50) Toluene-d8	10.269	98	10480	53.734	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.460%	
62) 4-Bromofluorobenzene	12.575	95	3177	53.049	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.100%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.711	94	325	5.091	ug/l	# 78
20) Methylene Chloride	4.811	84	731	Below Cal	#	60
25) 2-Butanone	7.081	43	57	5.114	ug/l	# 42
36) 1,1-Dichloropropene	7.875	75	291	3.344	ug/l	# 39
37) Ethyl Acetate	7.081	43	57	1.952	ug/l	# 66
38) Carbon Tetrachloride	7.875	117	271	3.309	ug/l	# 14
76) 1,2,3-Trichloropropane	12.569	75	1389	42.484	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.569	75	1389	104.511	ug/l	# 17

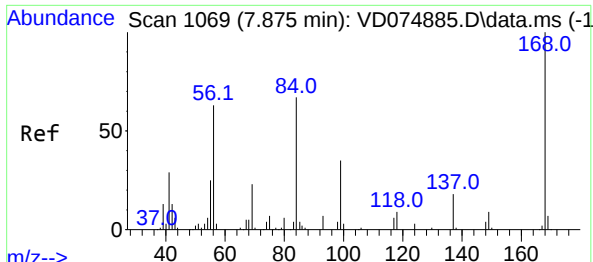
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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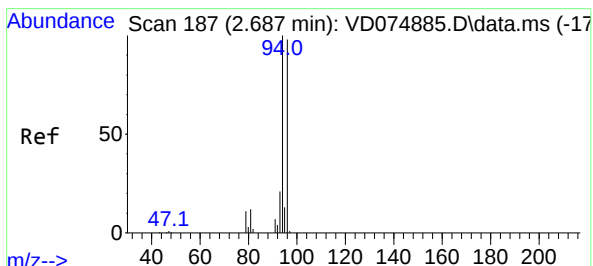
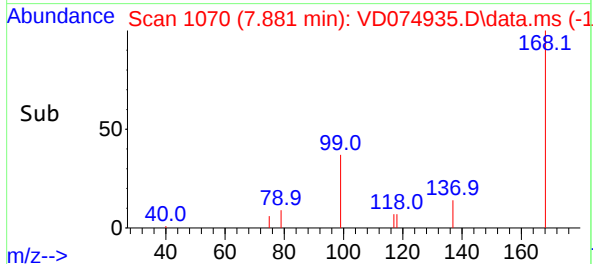
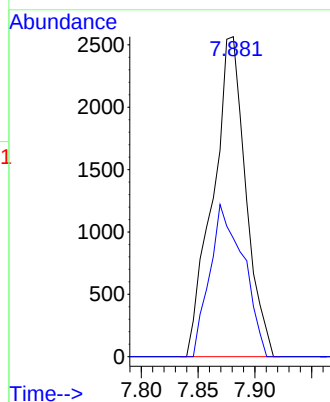
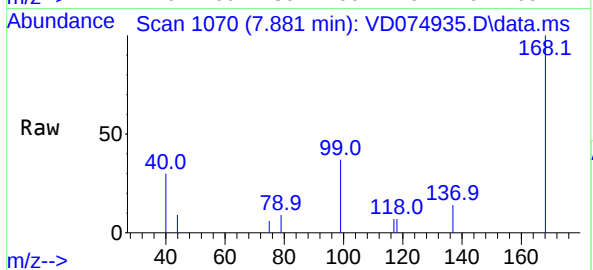




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074935.D
Acq: 14 Nov 2022 15:29

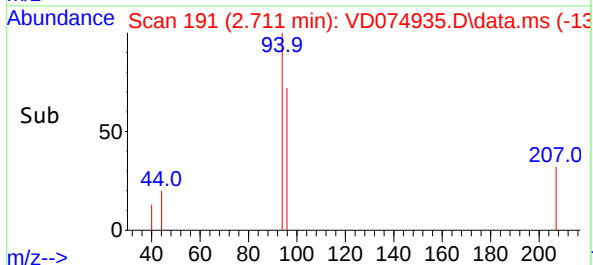
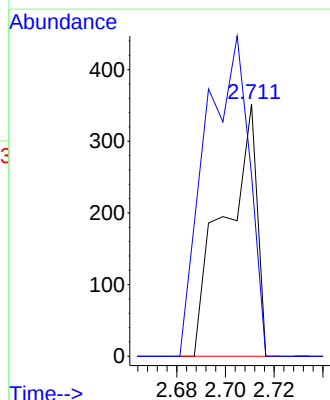
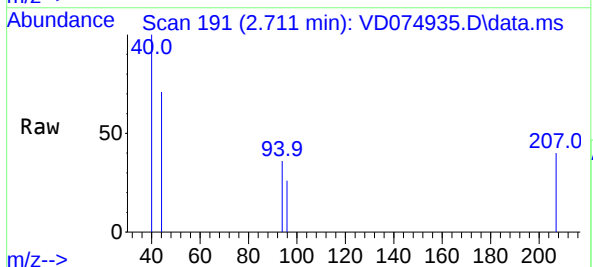
Instrument :
MSVOA_D
ClientSampleId :
SB-40ARE

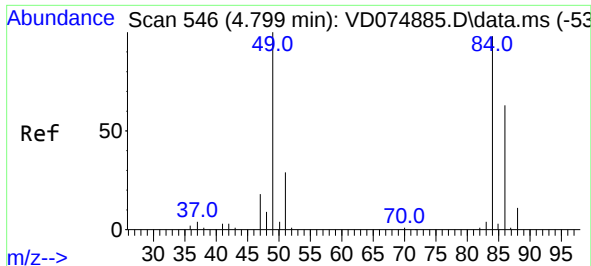
Tgt Ion:168 Resp: 5163
Ion Ratio Lower Upper
168 100
99 37.0 40.9 61.3#



#5
Bromomethane
Concen: 5.091 ug/l
RT: 2.711 min Scan# 191
Delta R.T. 0.024 min
Lab File: VD074935.D
Acq: 14 Nov 2022 15:29

Tgt Ion: 94 Resp: 325
Ion Ratio Lower Upper
94 100
96 71.9 74.6 112.0#

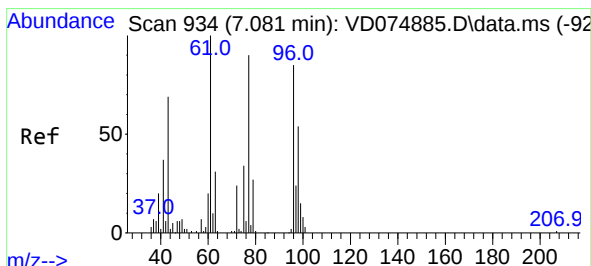
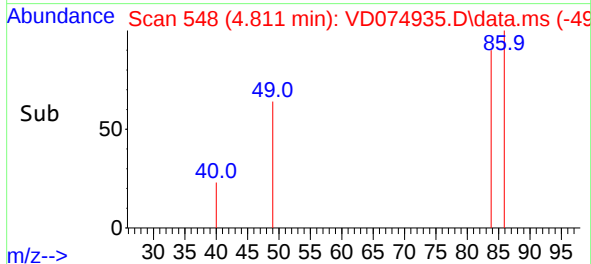
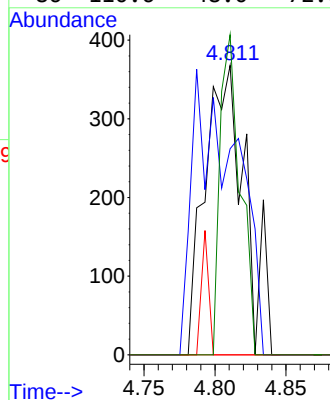
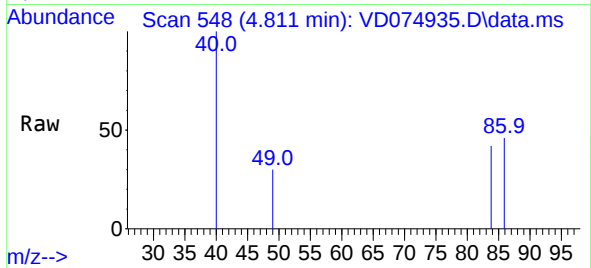




#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 546
Delta R.T. 0.012 min
Lab File: VD074935.D
Acq: 14 Nov 2022 15:29

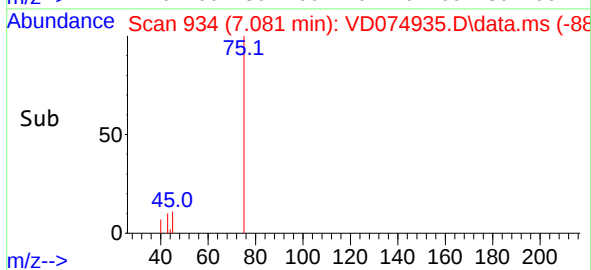
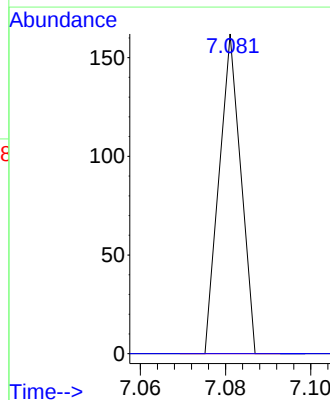
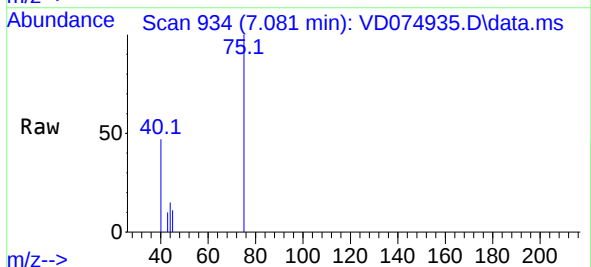
Instrument :
MSVOA_D
ClientSampleId :
SB-40ARE

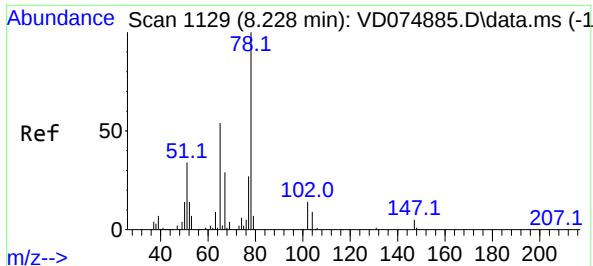
Tgt Ion:	84	Resp:	731
Ion	Ratio	Lower	Upper
84	100		
49	71.2	68.0	102.0
51	0.0	23.2	34.8#
86	110.6	48.0	72.0#



#25
2-Butanone
Concen: 5.114 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD074935.D
Acq: 14 Nov 2022 15:29

Tgt Ion:	43	Resp:	57
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#

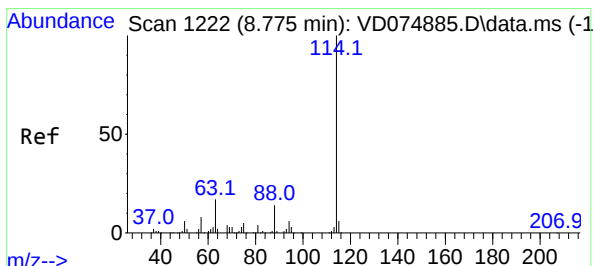
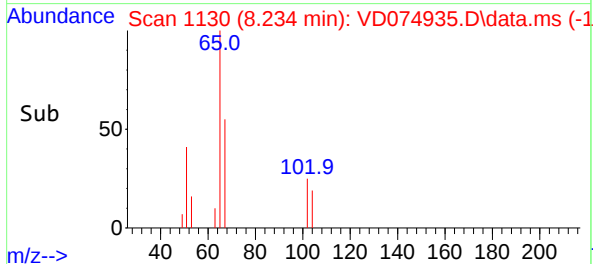
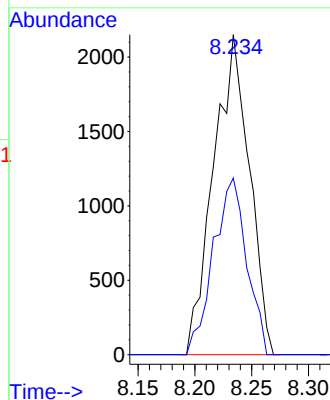
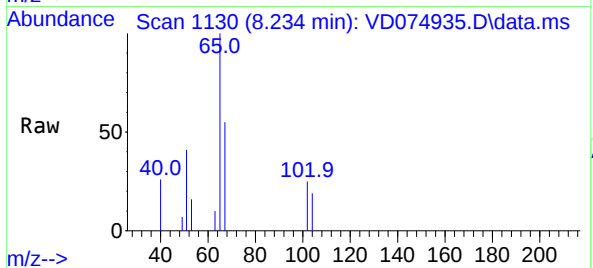




#33
 1,2-Dichloroethane-d4
 Concen: 148.928 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. 0.006 min
 Lab File: VD074935.D
 Acq: 14 Nov 2022 15:29

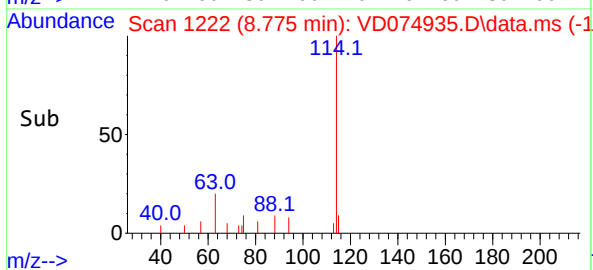
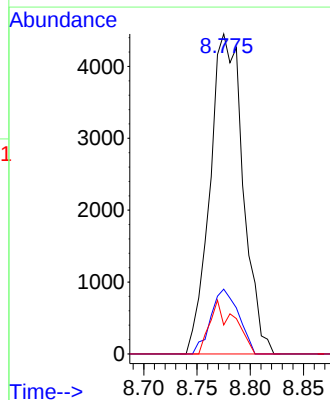
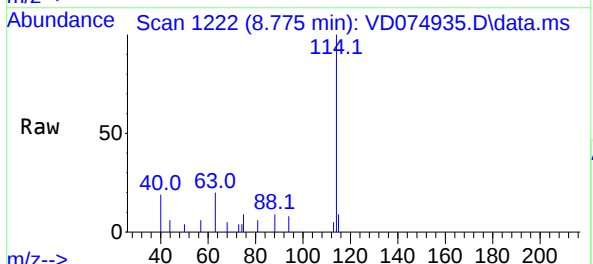
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-40ARE

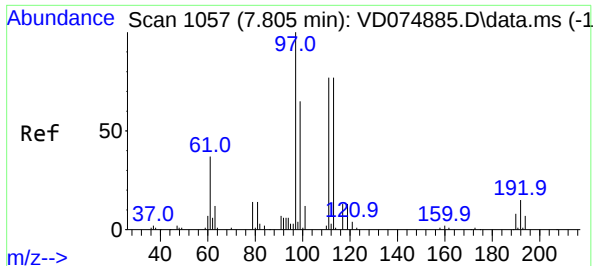
Tgt Ion: 65 Resp: 4707
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. 0.000 min
 Lab File: VD074935.D
 Acq: 14 Nov 2022 15:29

Tgt Ion: 114 Resp: 9605
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 33.2
 88 9.0 0.0 28.2





#35

Dibromofluoromethane

Concen: 67.322 ug/l

RT: 7.805 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD074935.D

Acq: 14 Nov 2022 15:29

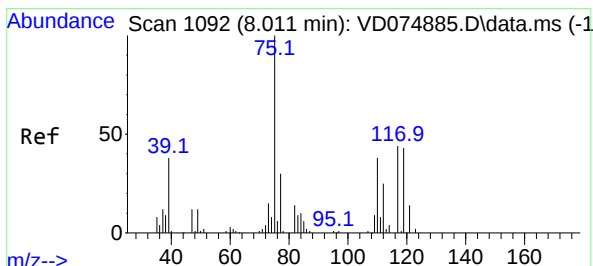
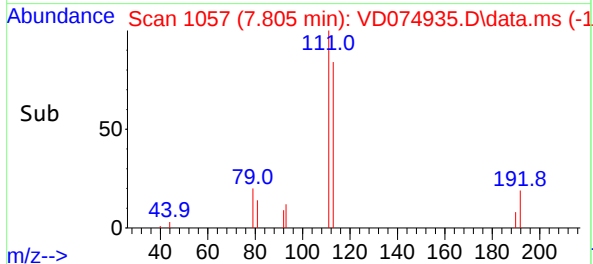
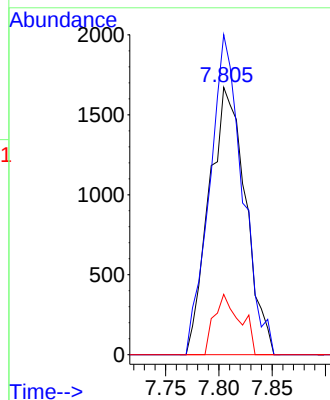
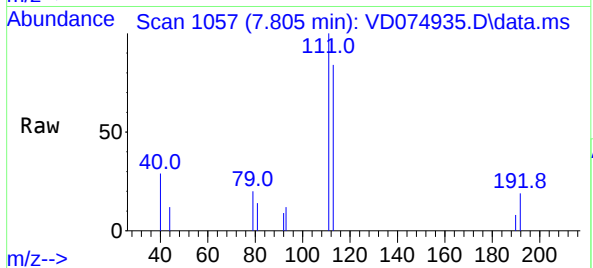
Instrument :

MSVOA_D

ClientSampleId :

SB-40ARE

Tgt Ion:	113	Resp:	3986
Ion	Ratio	Lower	Upper
113	100		
111	107.5	82.3	123.5
192	16.1	16.4	24.6#



#36

1,1-Dichloropropene

Concen: 3.344 ug/l

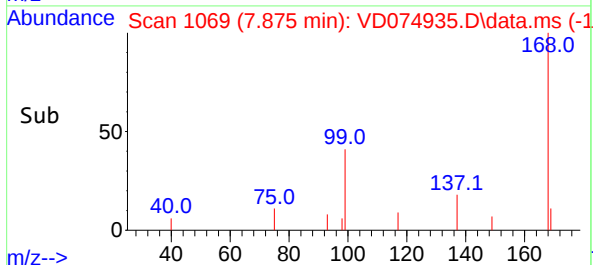
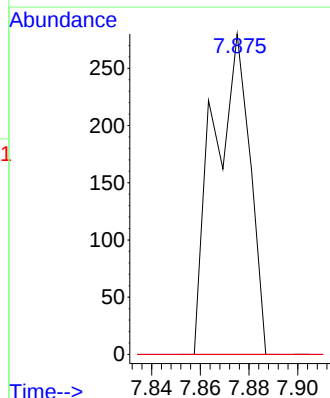
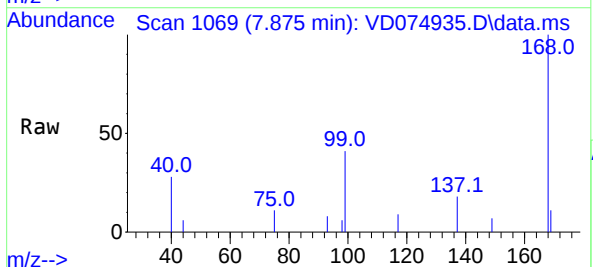
RT: 7.875 min Scan# 1069

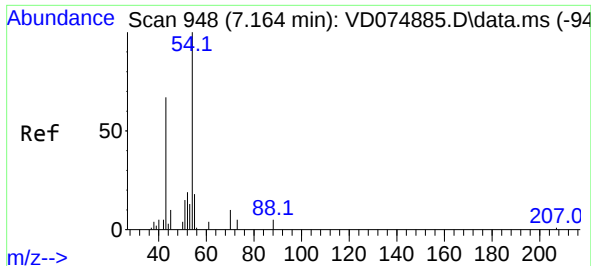
Delta R.T. -0.136 min

Lab File: VD074935.D

Acq: 14 Nov 2022 15:29

Tgt Ion:	75	Resp:	291
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.7	59.0#
77	0.0	25.4	38.2#





#37

Ethyl Acetate

Concen: 1.952 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.083 min

Lab File: VD074935.D

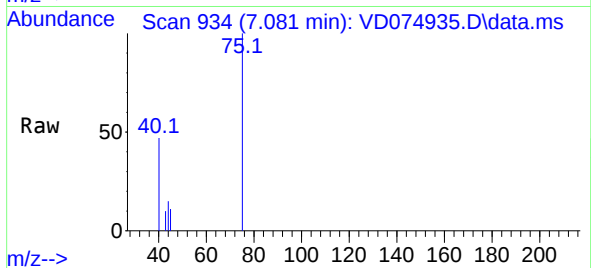
Acq: 14 Nov 2022 15:29

Instrument :

MSVOA_D

ClientSampleId :

SB-40ARE



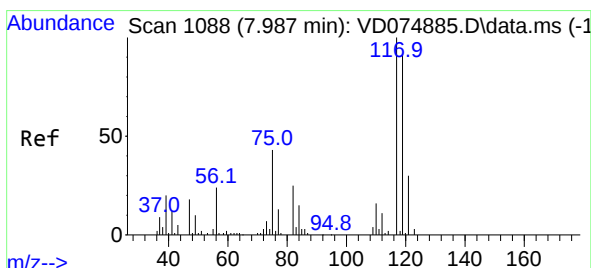
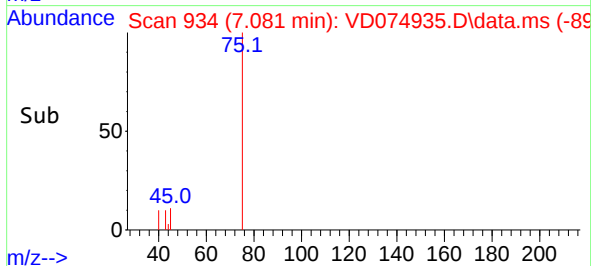
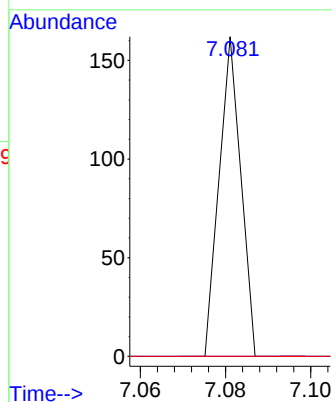
Tgt Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 3.309 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074935.D

Acq: 14 Nov 2022 15:29

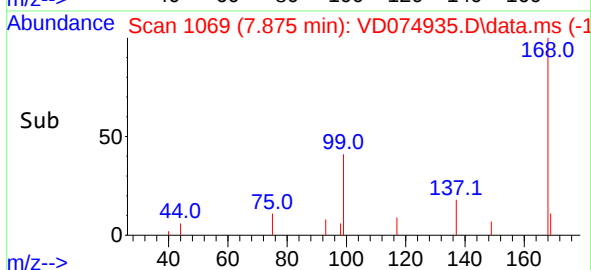
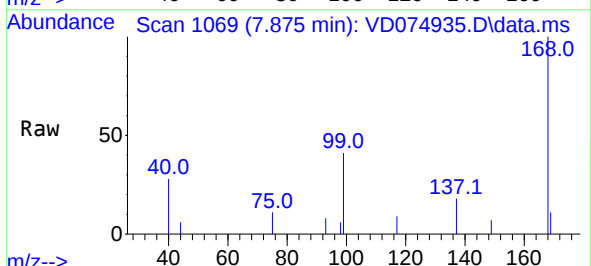
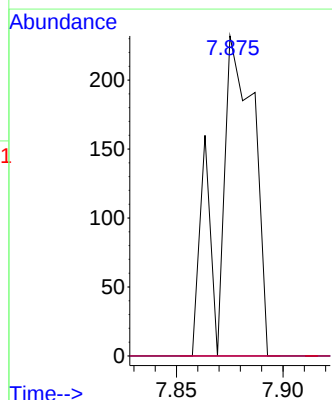
Tgt Ion: 117 Resp: 271

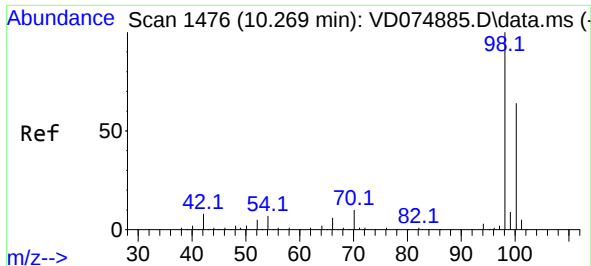
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

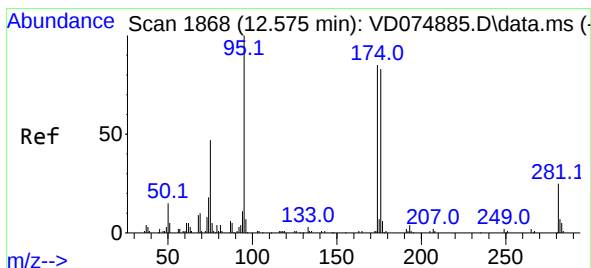
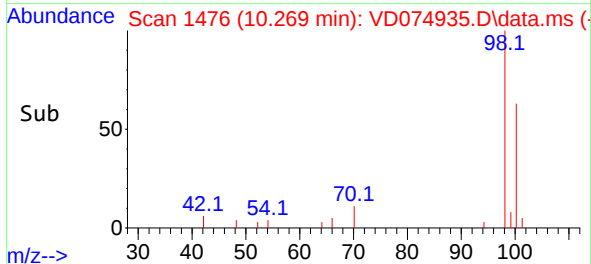
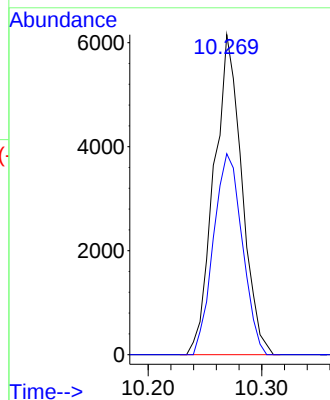
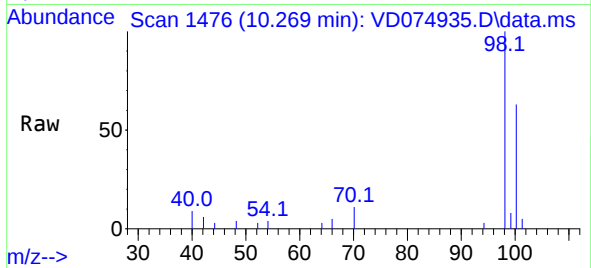




#50
Toluene-d8
Concen: 53.734 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074935.D
Acq: 14 Nov 2022 15:29

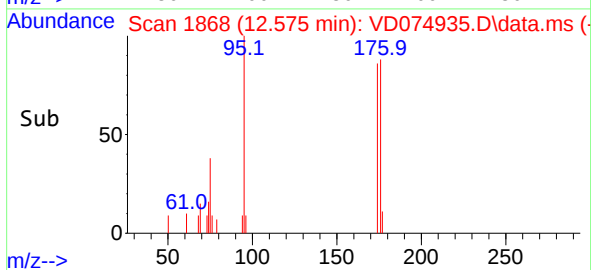
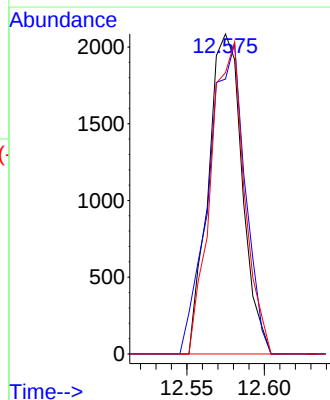
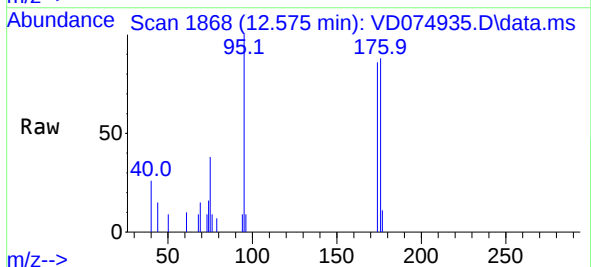
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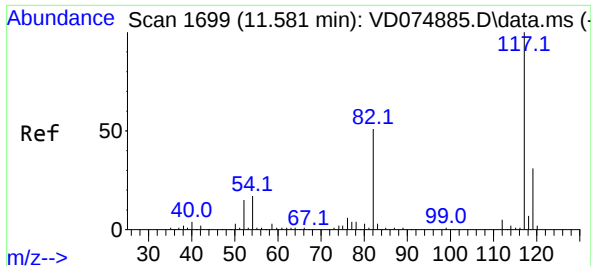
Tgt Ion: 98 Resp: 10480
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 53.049 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074935.D
Acq: 14 Nov 2022 15:29

Tgt Ion: 95 Resp: 3177
Ion Ratio Lower Upper
95 100
174 103.5 0.0 197.0
176 96.5 0.0 182.6

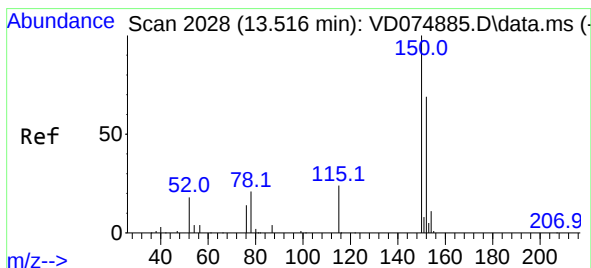
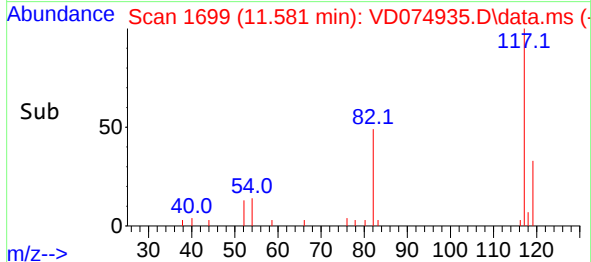
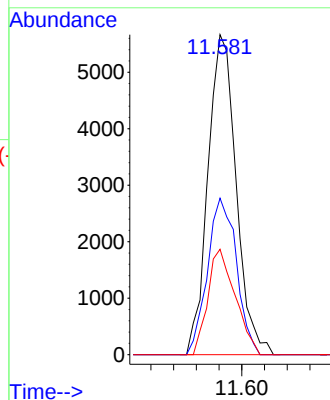
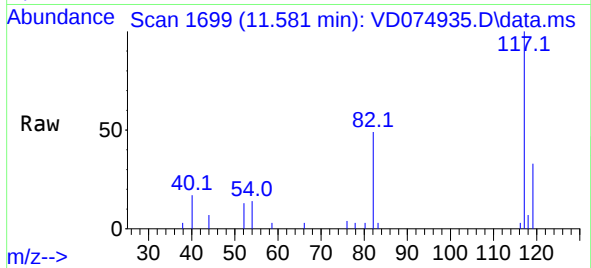




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD074935.D
Acq: 14 Nov 2022 15:29

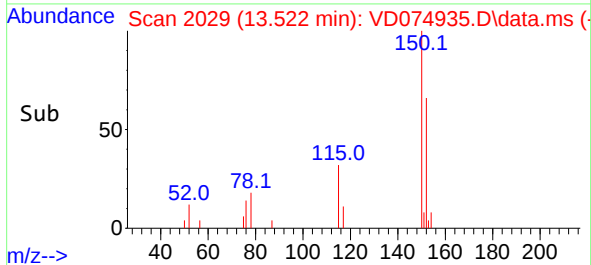
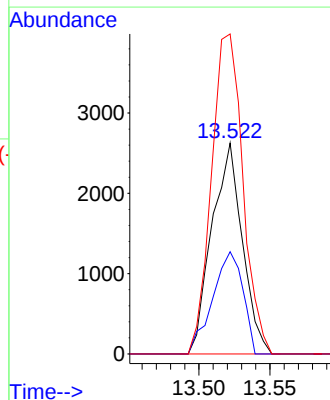
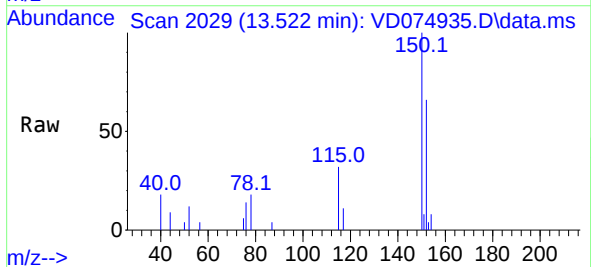
Instrument :
MSVOA_D
ClientSampleId :
SB-40ARE

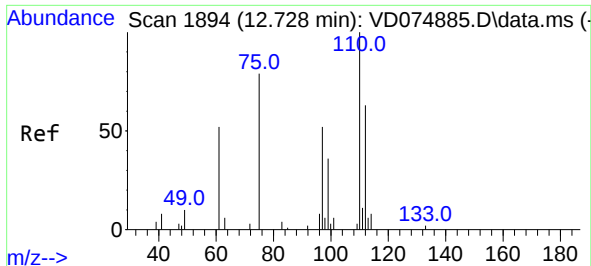
Tgt Ion:117 Resp: 9785
Ion Ratio Lower Upper
117 100
82 48.9 41.6 62.4
119 33.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074935.D
Acq: 14 Nov 2022 15:29

Tgt Ion:152 Resp: 3909
Ion Ratio Lower Upper
152 100
115 48.1 26.8 80.4
150 156.8 0.0 348.2

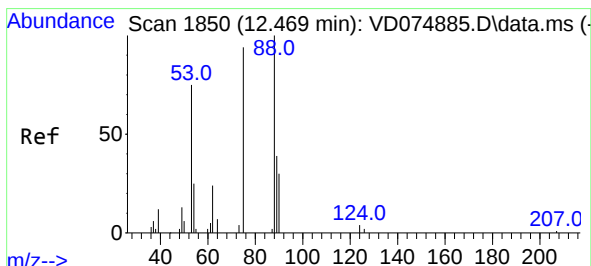
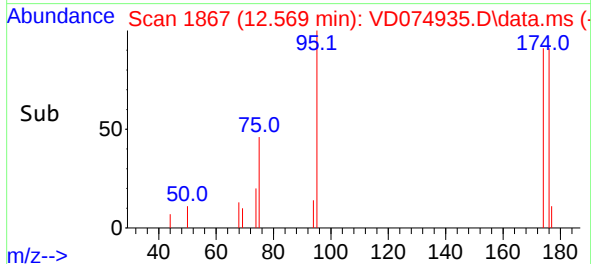
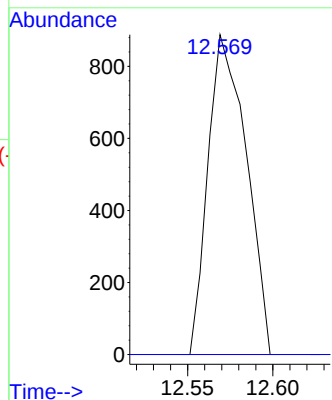
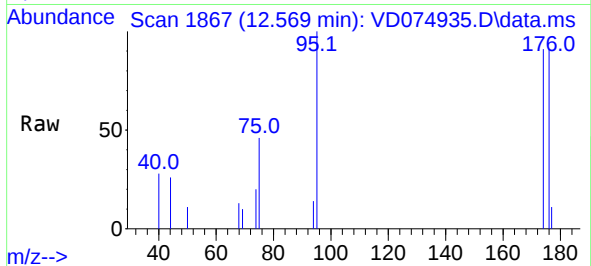




#76
1,2,3-Trichloropropane
Concen: 42.484 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD074935.D
Acq: 14 Nov 2022 15:29

Instrument :
MSVOA_D
ClientSampleId :
SB-40ARE

Tgt Ion: 75 Resp: 1389
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.511 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD074935.D
Acq: 14 Nov 2022 15:29

Tgt Ion: 75 Resp: 1389
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

