

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020224\
 Data File : VD078321.D
 Acq On : 02 Feb 2024 12:48
 Operator : RP/MD
 Sample : VD0202SBL02
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VBLK185

Quant Time: Feb 03 00:21:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 03 00:20:19 2024
 Response via : Initial Calibration

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

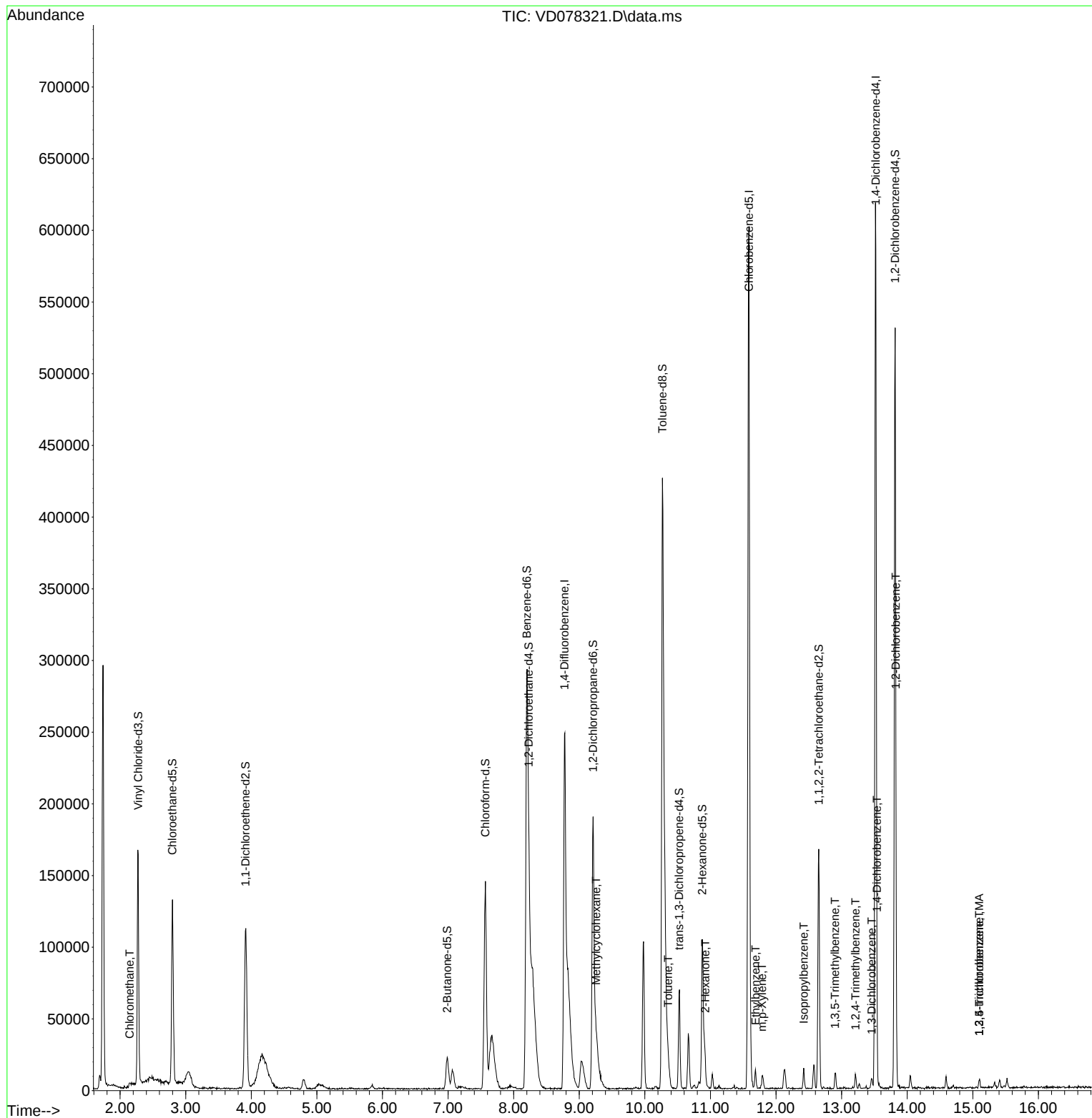
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	288836	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	367408	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	156611	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	152774	18.643	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	74.560%		
7) Chloroethane-d5	2.799	69	124343	18.051	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	72.200%		
11) 1,1-Dichloroethene-d2	3.911	65	30168	17.050	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	68.200%		
21) 2-Butanone-d5	6.987	46	39967	33.125	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	66.260%		
24) Chloroform-d	7.569	84	147499	17.911	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	71.640%		
26) 1,2-Dichloroethane-d4	8.228	65	79966	17.993	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	71.960%		
32) Benzene-d6	8.199	84	342036	15.921	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	63.680%		
36) 1,2-Dichloropropane-d6	9.210	67	120080	18.156	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	72.640%		
41) Toluene-d8	10.269	98	462232	23.955	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	95.800%		
43) trans-1,3-Dichloroprop...	10.522	79	40621	13.755	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	55.040%		
47) 2-Hexanone-d5	10.875	63	36124	26.920	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	53.840%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	85984	13.991	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	55.960%		
66) 1,2-Dichlorobenzene-d4	13.816	152	129972	23.182	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	92.720%		
Target Compounds						Qvalue
3) Chloromethane	2.146	50	1933	0.233	ug/L	89
35) Methylcyclohexane	9.257	83	3523	0.360	ug/L #	23
42) Toluene	10.357	91	6994	0.272	ug/L	97
48) 2-Hexanone	10.922	43	7735	2.341	ug/L #	68
52) Ethylbenzene	11.687	91	9033	0.326	ug/L	97
53) m,p-Xylene	11.787	106	2885	0.271	ug/L	97
60) Isopropylbenzene	12.422	105	7282	0.308	ug/L	95
62) 1,3,5-Trimethylbenzene	12.898	105	5757	0.311	ug/L	92
63) 1,2,4-Trimethylbenzene	13.210	105	5166	0.282	ug/L	92
64) 1,3-Dichlorobenzene	13.457	146	3869	0.366	ug/L	80
65) 1,4-Dichlorobenzene	13.539	146	4329	0.392	ug/L #	76
67) 1,2-Dichlorobenzene	13.828	146	3480	0.348	ug/L	95
69) 1,3,5-Trichlorobenzene	15.098	180	2215	0.340	ug/L	96
70) 1,2,4-trichlorobenzene	15.098	180	2215	0.394	ug/L	95

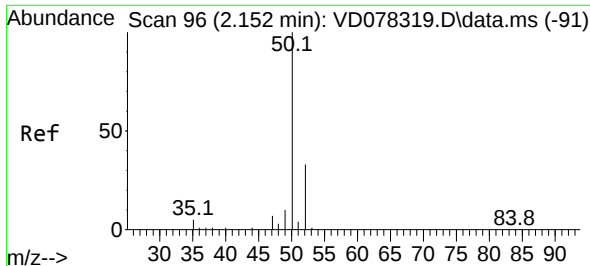
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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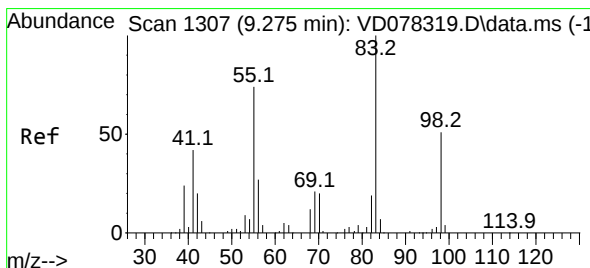
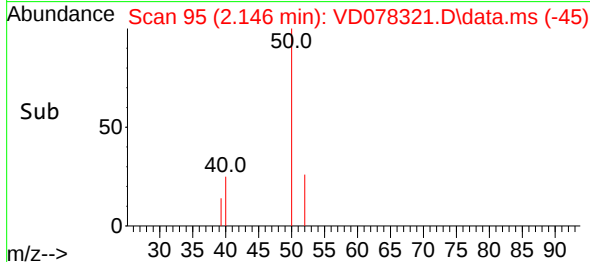
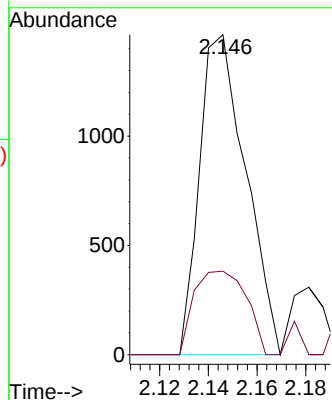
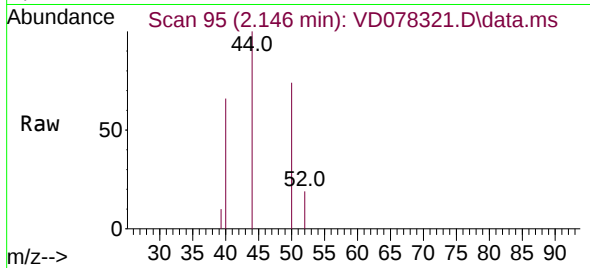




#3
Chloromethane
Concen: 0.233 ug/L
RT: 2.146 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078321.D
Acq: 02 Feb 2024 12:48

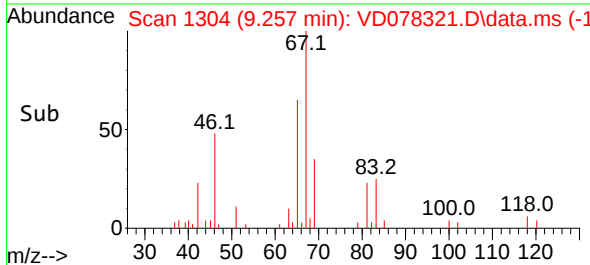
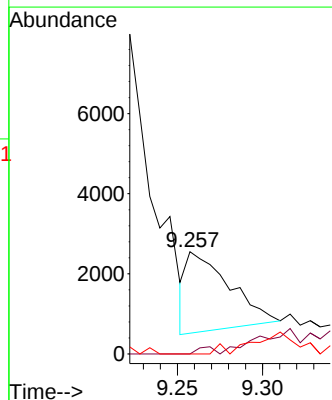
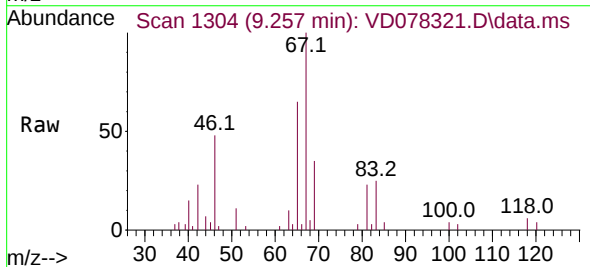
Instrument :
MSVOA_D
ClientSampleId :
VBLK185

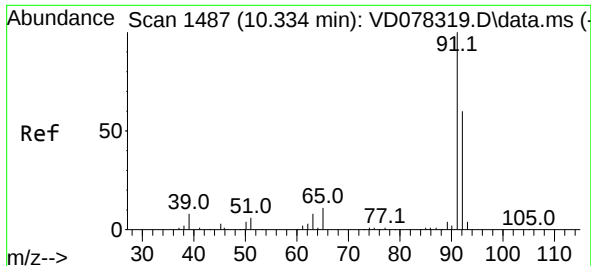
Tgt Ion: 50 Resp: 1933
Ion Ratio Lower Upper
50 100
52 26.1 22.7 42.3



#35
Methylcyclohexane
Concen: 0.360 ug/L
RT: 9.257 min Scan# 1304
Delta R.T. -0.018 min
Lab File: VD078321.D
Acq: 02 Feb 2024 12:48

Tgt Ion: 83 Resp: 3523
Ion Ratio Lower Upper
83 100
55 3.3 56.2 84.4#
98 2.6 41.2 61.8#





#42

Toluene

Concen: 0.272 ug/L

RT: 10.357 min Scan# 1487

Delta R.T. 0.024 min

Lab File: VD078321.D

Acq: 02 Feb 2024 12:48

Instrument :

MSVOA_D

ClientSampleId :

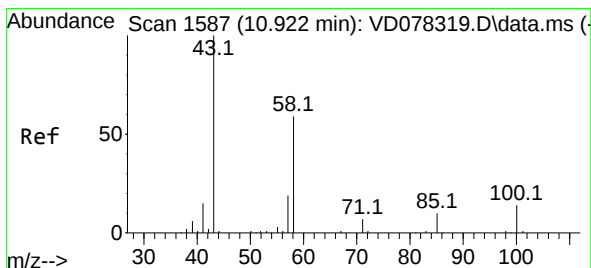
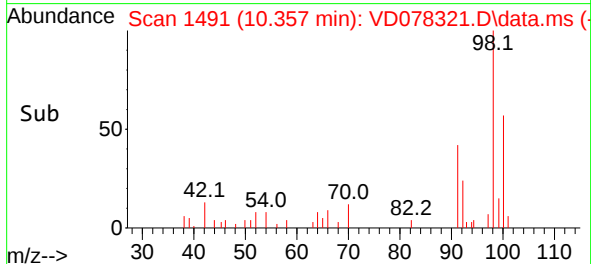
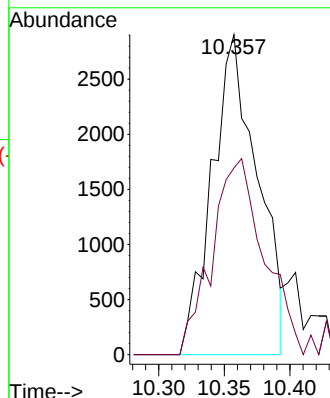
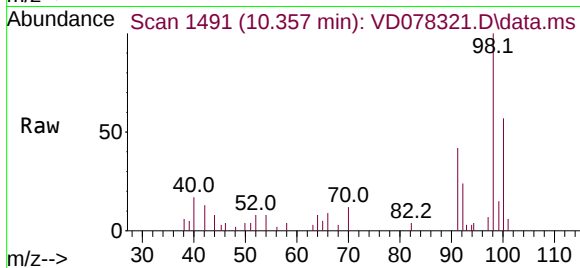
VBLK185

Tgt Ion: 91 Resp: 6994

Ion Ratio Lower Upper

91 100

92 58.3 39.5 73.4



#48

2-Hexanone

Concen: 2.341 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD078321.D

Acq: 02 Feb 2024 12:48

Tgt Ion: 43 Resp: 7735

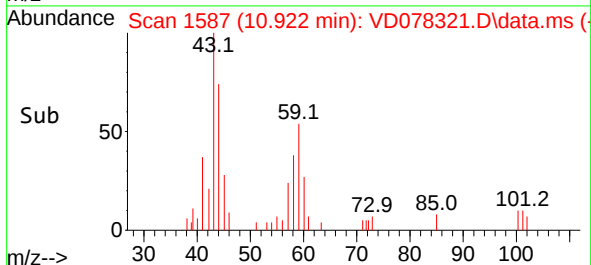
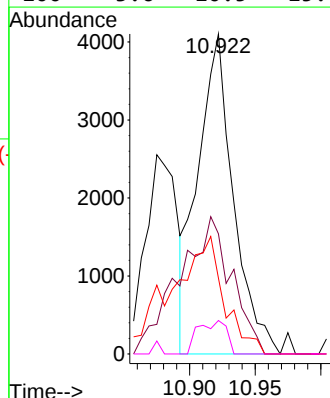
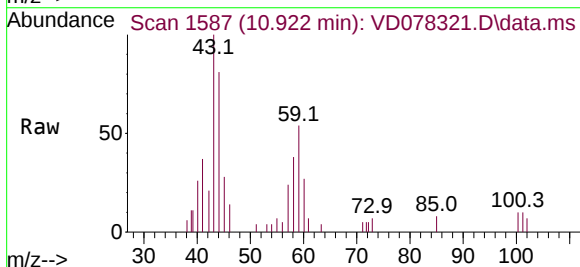
Ion Ratio Lower Upper

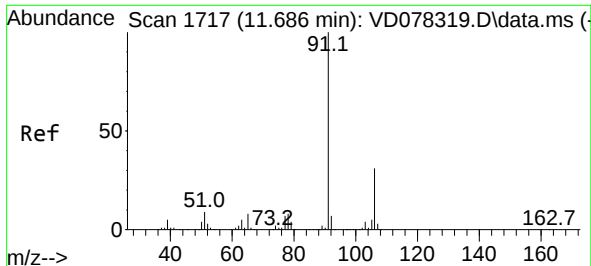
43 100

58 35.7 48.5 72.7#

57 35.3 15.6 23.4#

100 3.6 10.5 15.7#





#52

Ethylbenzene

Concen: 0.326 ug/L

RT: 11.687 min Scan# 1717

Delta R.T. 0.000 min

Lab File: VD078321.D

Acq: 02 Feb 2024 12:48

Instrument :

MSVOA_D

ClientSampleId :

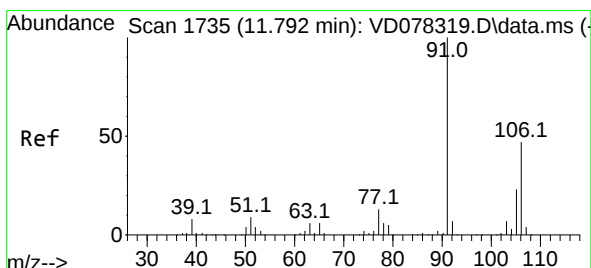
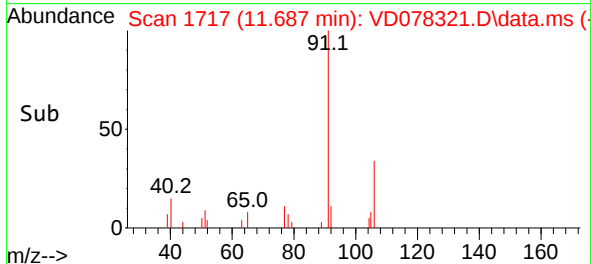
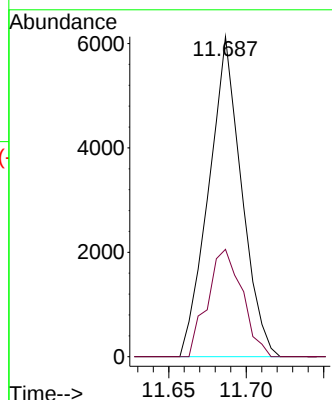
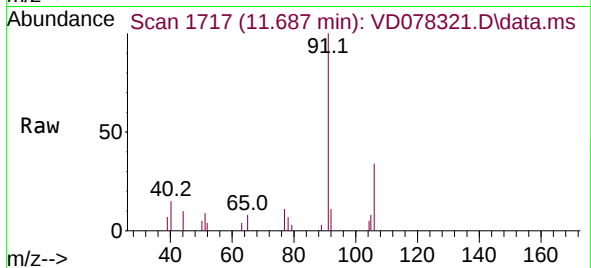
VBLK185

Tgt Ion: 91 Resp: 9033

Ion Ratio Lower Upper

91 100

106 33.5 22.5 41.7



#53

m,p-Xylene

Concen: 0.271 ug/L

RT: 11.787 min Scan# 1734

Delta R.T. -0.006 min

Lab File: VD078321.D

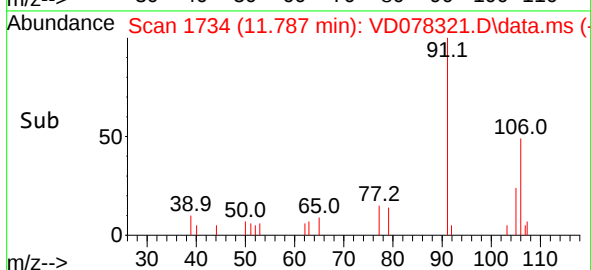
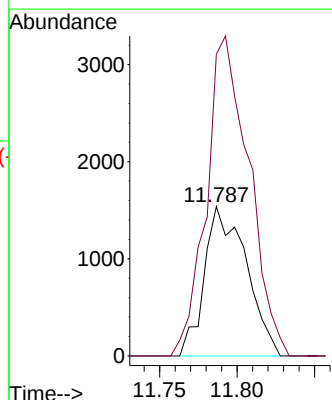
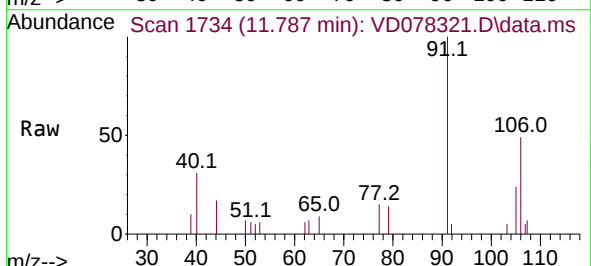
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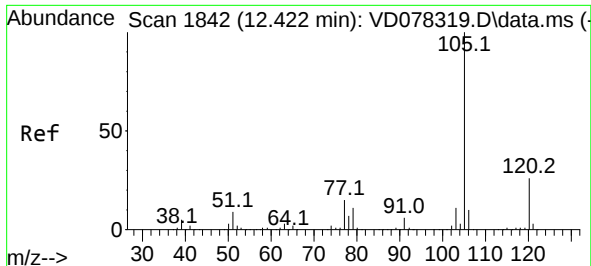
Tgt Ion: 106 Resp: 2885

Ion Ratio Lower Upper

106 100

91 202.1 138.3 256.8

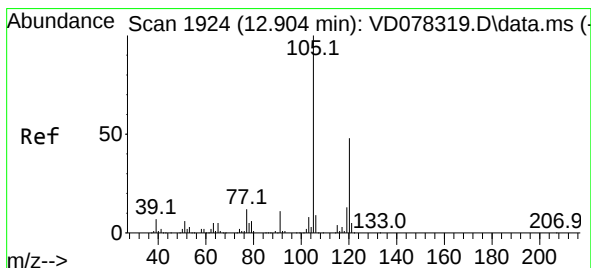
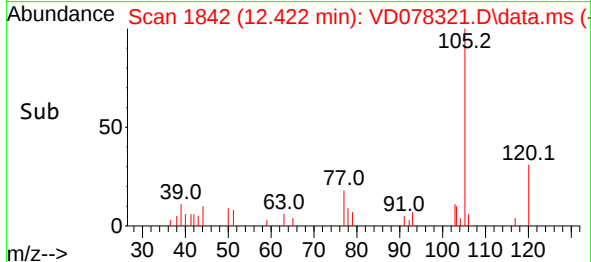
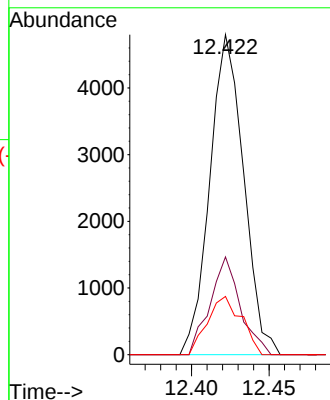
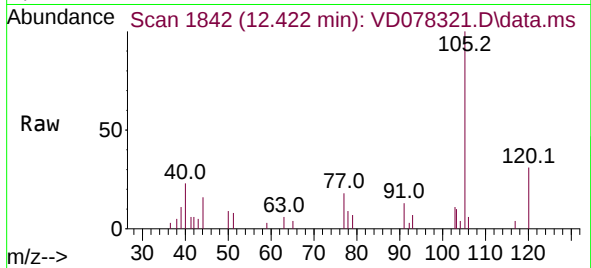




#60
Isopropylbenzene
Concen: 0.308 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD078321.D
Acq: 02 Feb 2024 12:48

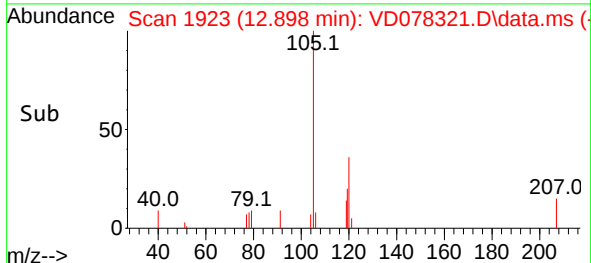
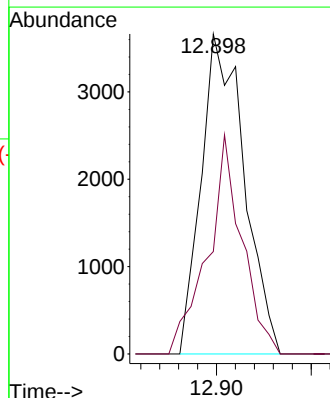
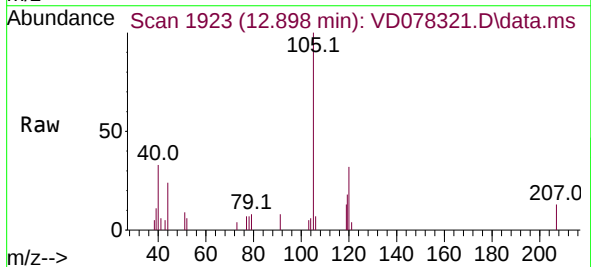
Instrument :
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VBLK185

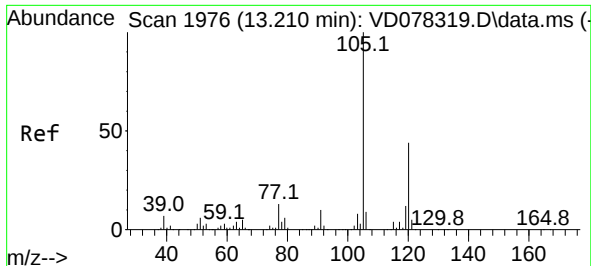
Tgt Ion:105 Resp: 7282
Ion Ratio Lower Upper
105 100
120 27.3 20.4 30.6
77 18.3 12.4 18.6



#62
1,3,5-Trimethylbenzene
Concen: 0.311 ug/L
RT: 12.898 min Scan# 1923
Delta R.T. -0.006 min
Lab File: VD078321.D
Acq: 02 Feb 2024 12:48

Tgt Ion:105 Resp: 5757
Ion Ratio Lower Upper
105 100
120 54.7 39.5 59.3

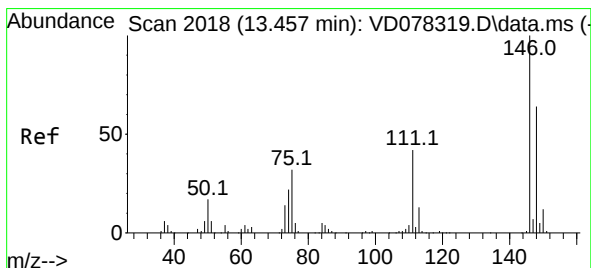
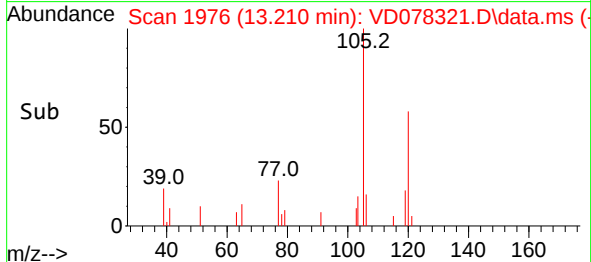
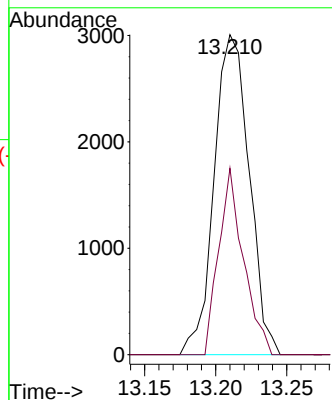
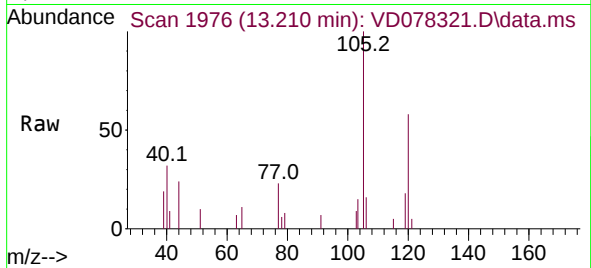




#63
1,2,4-Trimethylbenzene
Concen: 0.282 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD078321.D
Acq: 02 Feb 2024 12:48

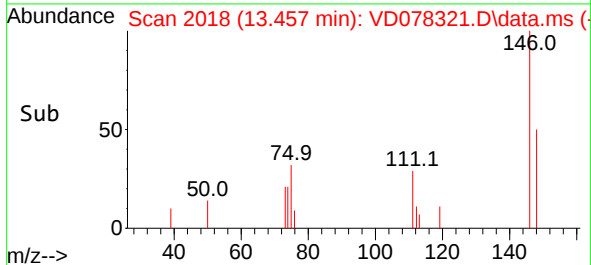
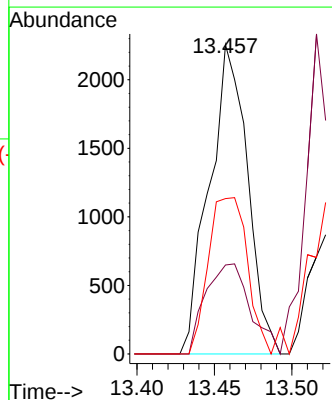
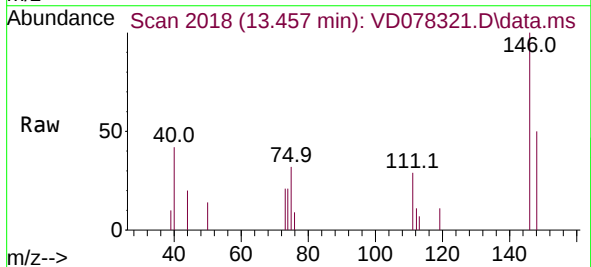
Instrument :
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ClientSampleId :
VBLK185

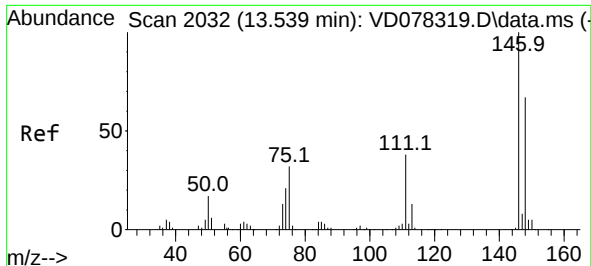
Tgt Ion:105 Resp: 5166
Ion Ratio Lower Upper
105 100
120 41.1 37.0 55.4



#64
1,3-Dichlorobenzene
Concen: 0.366 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD078321.D
Acq: 02 Feb 2024 12:48

Tgt Ion:146 Resp: 3869
Ion Ratio Lower Upper
146 100
111 28.8 28.6 53.0
148 50.2 46.5 86.3





#65

1,4-Dichlorobenzene

Concen: 0.392 ug/L

RT: 13.539 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD078321.D

Acq: 02 Feb 2024 12:48

Instrument :

MSVOA_D

ClientSampleId :

VBLK185

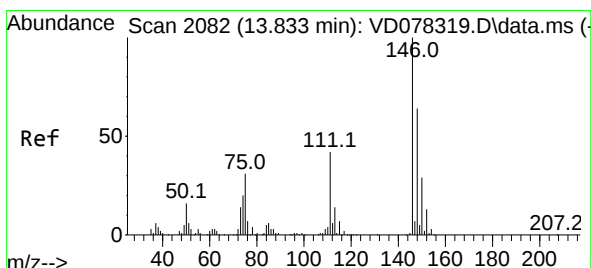
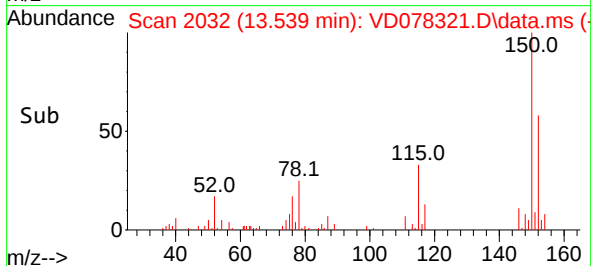
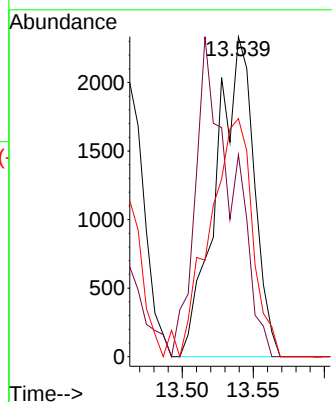
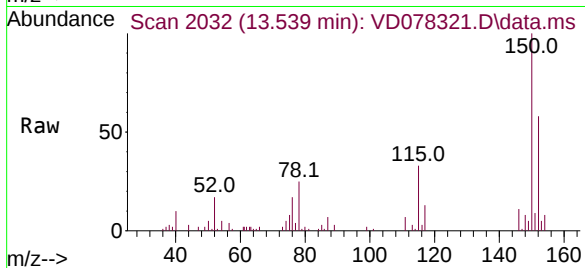
Tgt Ion:146 Resp: 4329

Ion Ratio Lower Upper

146 100

111 63.1 26.4 49.0#

148 74.5 44.5 82.7



#67

1,2-Dichlorobenzene

Concen: 0.348 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VD078321.D

Acq: 02 Feb 2024 12:48

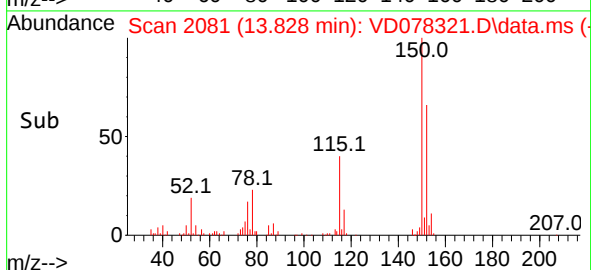
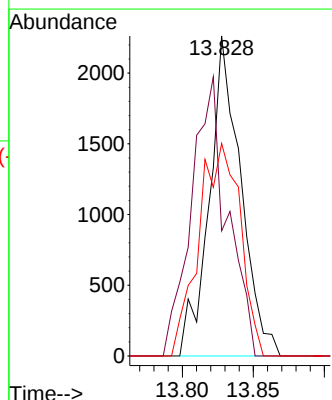
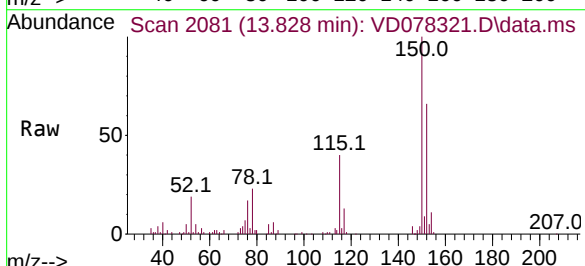
Tgt Ion:146 Resp: 3480

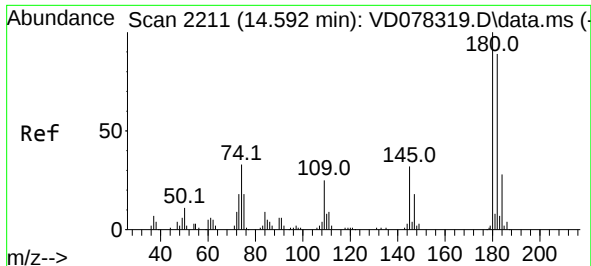
Ion Ratio Lower Upper

146 100

111 36.2 33.6 50.4

148 61.4 48.4 72.6

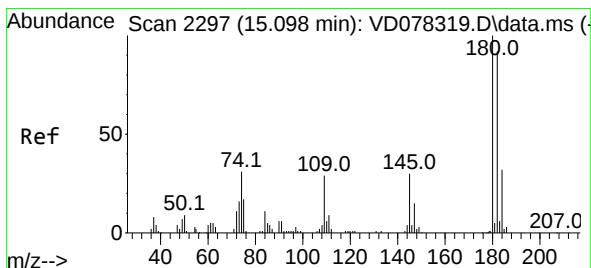
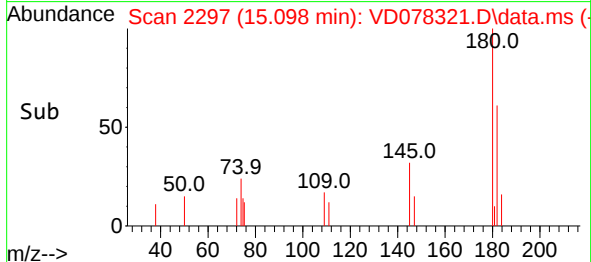
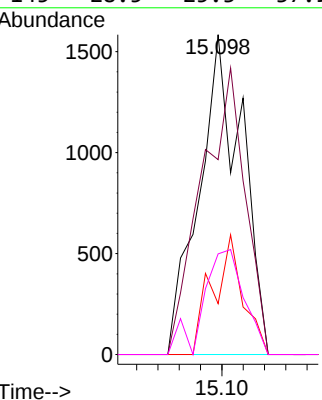
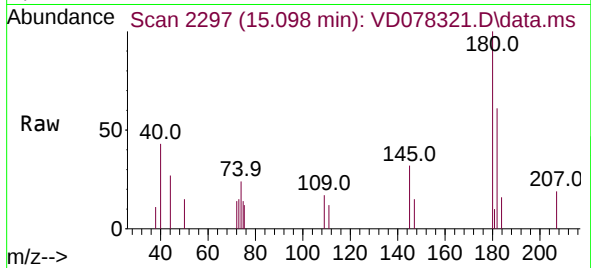




#69
 1,3,5-Trichlorobenzene
 Concen: 0.340 ug/L
 RT: 15.098 min Scan# 2215
 Delta R.T. 0.506 min
 Lab File: VD078321.D
 Acq: 02 Feb 2024 12:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VBLK185

Tgt Ion:180	Resp:	2215
Ion	Ratio	Lower Upper
180	100	
182	90.8	75.6 113.4
184	26.5	23.2 34.8
145	28.5	25.3 37.9



#70
 1,2,4-trichlorobenzene
 Concen: 0.394 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. 0.000 min
 Lab File: VD078321.D
 Acq: 02 Feb 2024 12:48

Tgt Ion:180	Resp:	2215
Ion	Ratio	Lower Upper
180	100	
182	90.8	76.2 114.4
145	28.5	25.0 37.6

