

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061024\
 Data File : VD079154.D
 Acq On : 10 Jun 2024 13:08
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 11 02:47:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jun 11 02:46:15 2024
 Response via : Initial Calibration

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

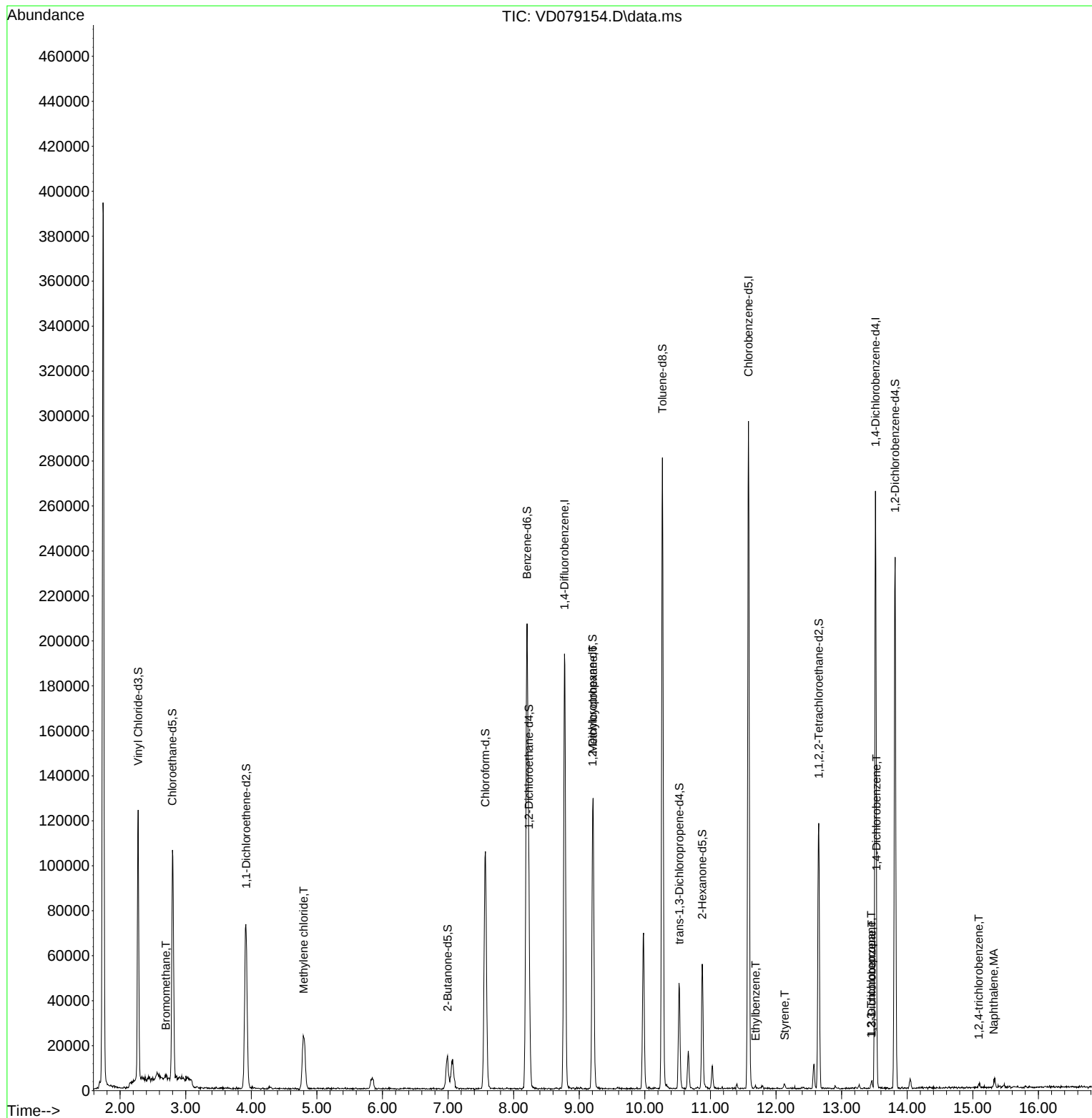
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	183010	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	181726	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	76649	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	112492	19.975	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.880%
7) Chloroethane-d5	2.799	69	112478	20.655	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.640%
11) 1,1-Dichloroethene-d2	3.922	65	20348	20.353	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.400%
21) 2-Butanone-d5	6.993	46	24511	56.902	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.800%
24) Chloroform-d	7.569	84	114408	22.358	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.440%
26) 1,2-Dichloroethane-d4	8.234	65	57624	24.411	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.640%
32) Benzene-d6	8.204	84	228297	22.662	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.640%
36) 1,2-Dichloropropane-d6	9.204	67	67442	23.240	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.960%
41) Toluene-d8	10.269	98	199993	21.202	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.800%
43) trans-1,3-Dichloroprop...	10.528	79	28952	23.736	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.960%
47) 2-Hexanone-d5	10.875	63	20348	54.239	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.480%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	62766	24.419	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.680%
66) 1,2-Dichlorobenzene-d4	13.816	152	66822	25.261	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.040%
Target Compounds						
					Qvalue	
6) Bromomethane	2.699	94	1312	0.267	ug/L	84
16) Methylene chloride	4.799	84	13210	4.051	ug/L	99
35) Methylcyclohexane	9.210	83	16058	3.476	ug/L #	23
52) Ethylbenzene	11.687	91	1156	0.092	ug/L	98
55) Styrene	12.134	104	978	0.116	ug/L	99
61) 1,2,3-Trichloropropane	13.451	75	520	0.384	ug/L #	37
64) 1,3-Dichlorobenzene	13.457	146	1827	0.375	ug/L #	73
65) 1,4-Dichlorobenzene	13.534	146	1640	0.318	ug/L #	85
70) 1,2,4-trichlorobenzene	15.092	180	721	0.283	ug/L #	75
71) Naphthalene	15.322	128	2439	0.511	ug/L #	88

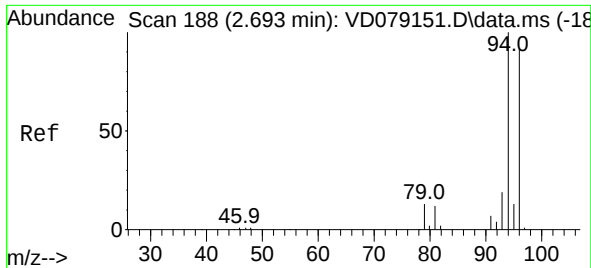
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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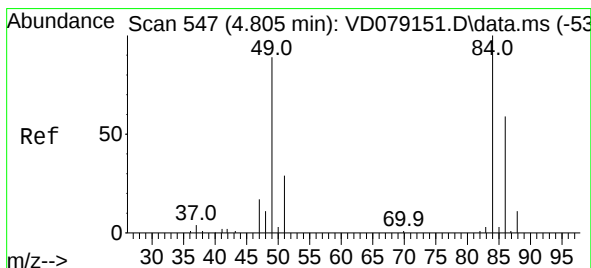
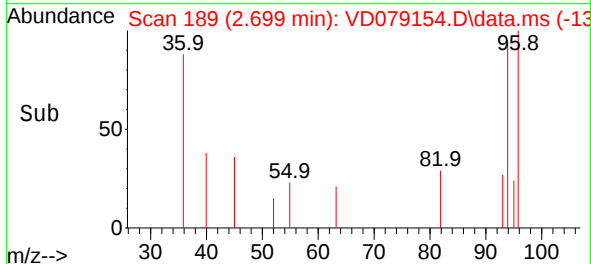
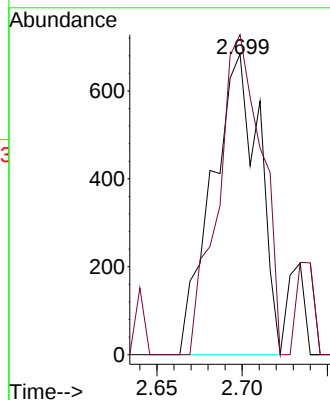
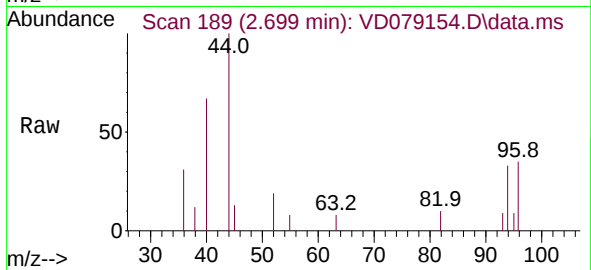




#6
Bromomethane
Concen: 0.267 ug/L
RT: 2.699 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD079154.D
Acq: 10 Jun 2024 13:08

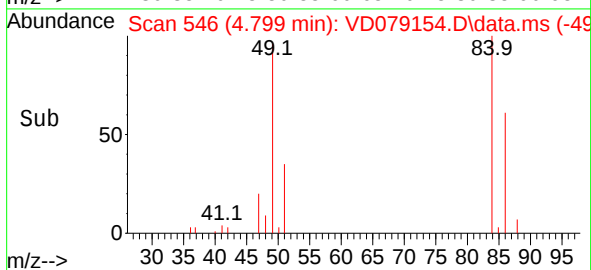
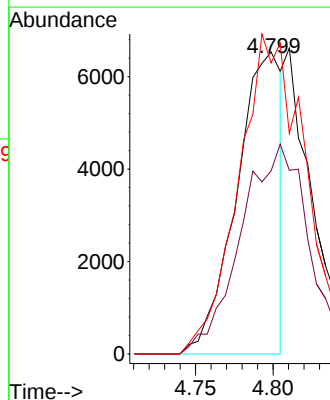
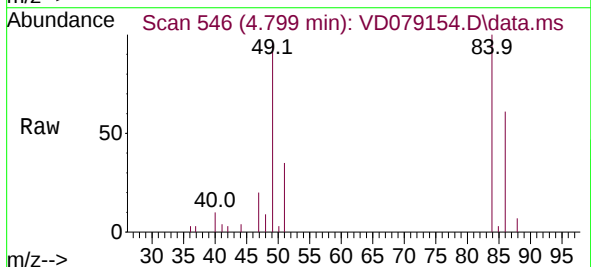
Instrument :
MSVOA_D
ClientSampleId :

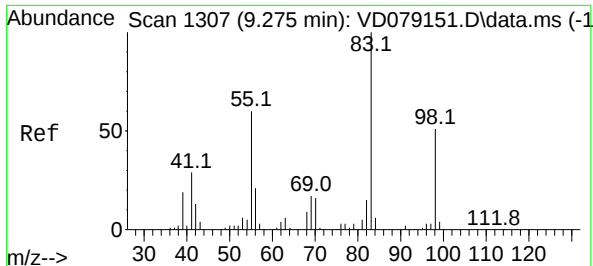
Tgt Ion: 94 Resp: 1312
Ion Ratio Lower Upper
94 100
96 106.4 63.6 118.2



#16
Methylene chloride
Concen: 4.051 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD079154.D
Acq: 10 Jun 2024 13:08

Tgt Ion: 84 Resp: 13210
Ion Ratio Lower Upper
84 100
86 60.6 40.9 76.0
49 96.4 67.5 125.3

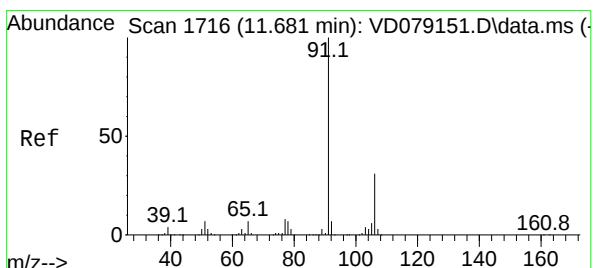
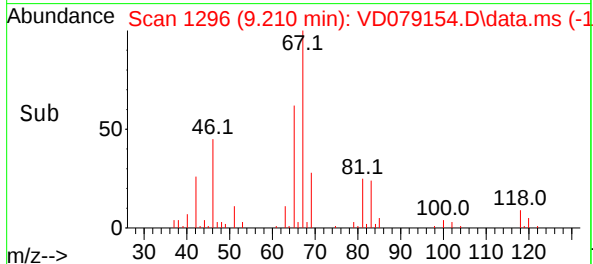
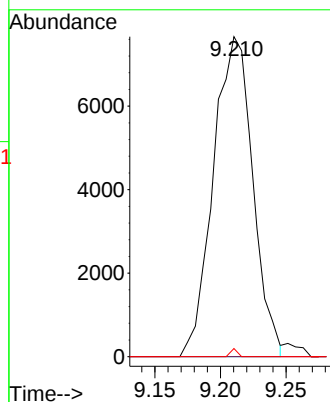
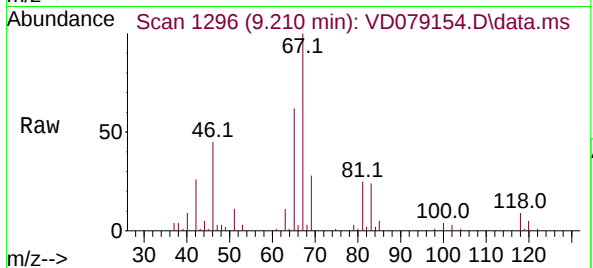




#35
Methylcyclohexane
Concen: 3.476 ug/L
RT: 9.210 min Scan# 1717
Delta R.T. -0.065 min
Lab File: VD079154.D
Acq: 10 Jun 2024 13:08

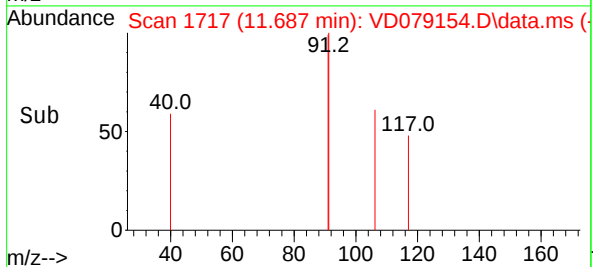
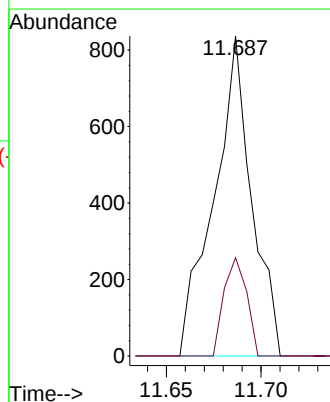
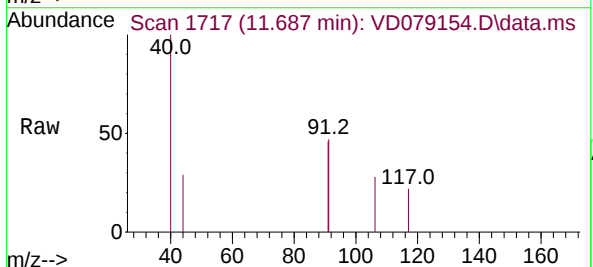
Instrument :
MSVOA_D
ClientSampleId :

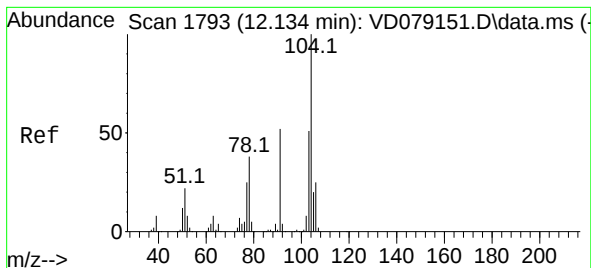
Tgt Ion: 83 Resp: 16058
Ion Ratio Lower Upper
83 100
55 0.0 48.6 72.8#
98 0.0 40.2 60.2#



#52
Ethylbenzene
Concen: 0.092 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VD079154.D
Acq: 10 Jun 2024 13:08

Tgt Ion: 91 Resp: 1156
Ion Ratio Lower Upper
91 100
106 30.7 22.3 41.5





#55

Styrene

Concen: 0.116 ug/L

RT: 12.134 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079154.D

Acq: 10 Jun 2024 13:08

Instrument :

MSVOA_D

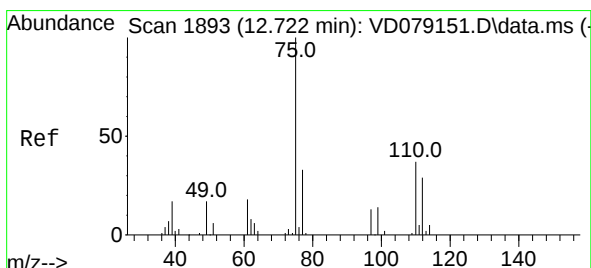
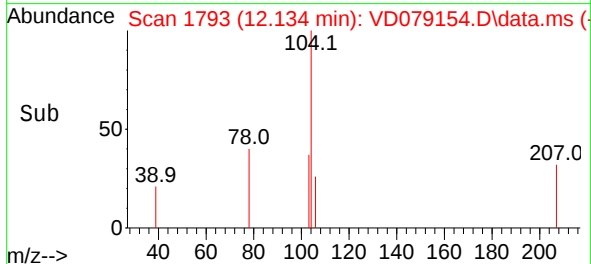
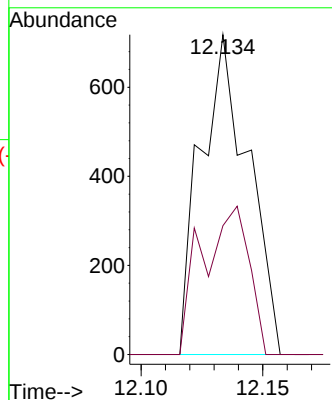
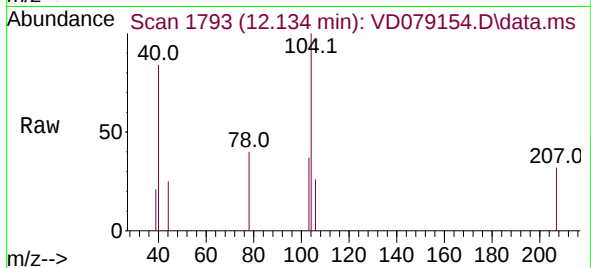
ClientSampleId :

Tgt Ion:104 Resp: 978

Ion Ratio Lower Upper

104 100

78 40.3 27.8 51.6



#61

1,2,3-Trichloropropane

Concen: 0.384 ug/L

RT: 13.451 min Scan# 2017

Delta R.T. 0.729 min

Lab File: VD079154.D

Acq: 10 Jun 2024 13:08

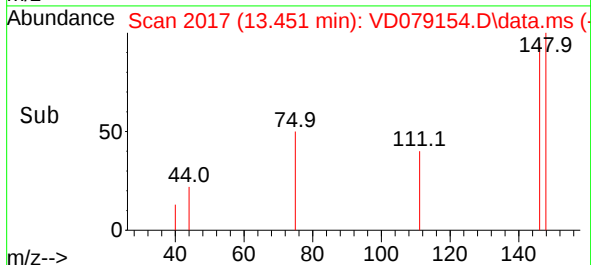
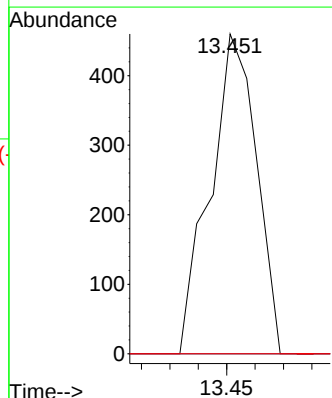
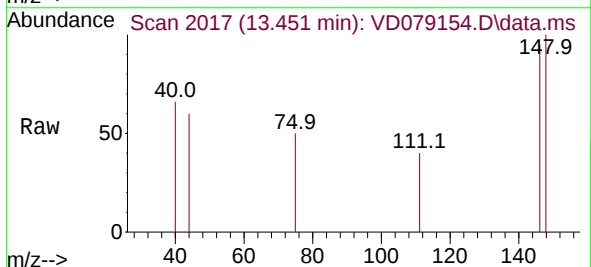
Tgt Ion: 75 Resp: 520

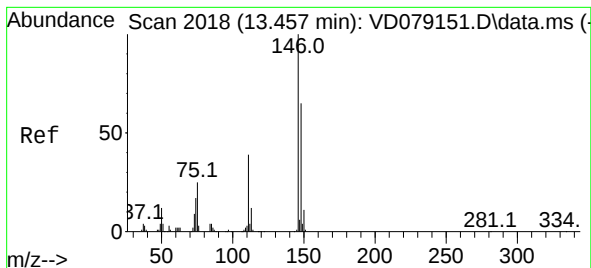
Ion Ratio Lower Upper

75 100

77 0.0 25.9 38.9#

110 0.0 34.2 51.4#





#64

1,3-Dichlorobenzene

Concen: 0.375 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD079154.D

Acq: 10 Jun 2024 13:08

Instrument :

MSVOA_D

ClientSampleId :

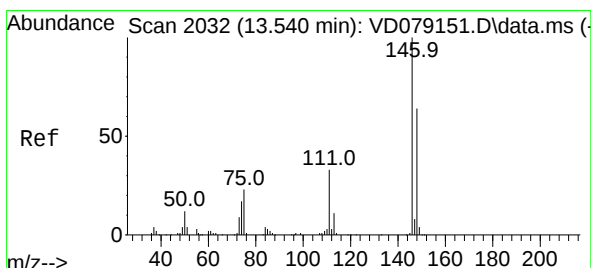
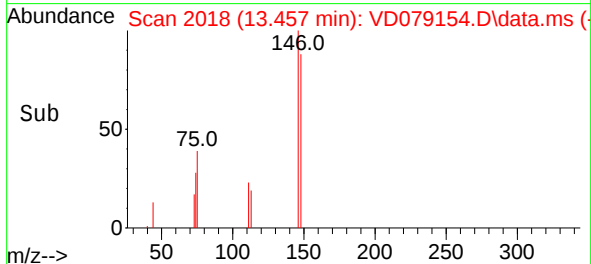
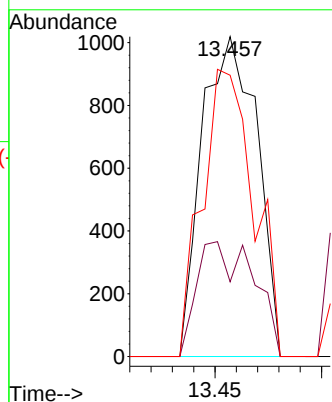
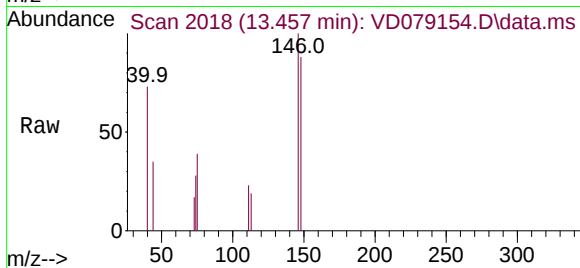
Tgt Ion:146 Resp: 1827

Ion Ratio Lower Upper

146 100

111 23.4 24.4 45.4#

148 87.9 44.9 83.3#



#65

1,4-Dichlorobenzene

Concen: 0.318 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. -0.006 min

Lab File: VD079154.D

Acq: 10 Jun 2024 13:08

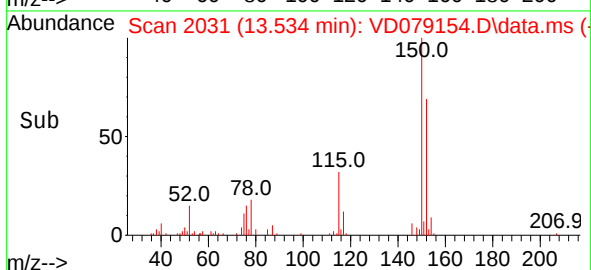
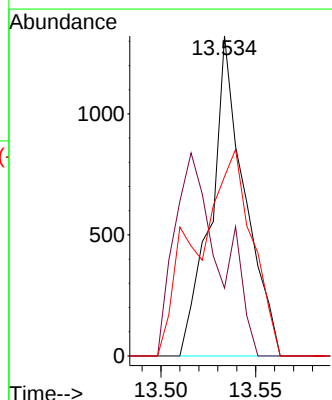
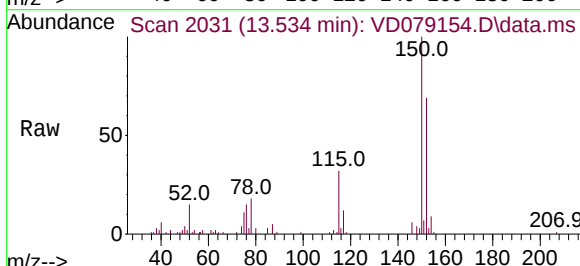
Tgt Ion:146 Resp: 1640

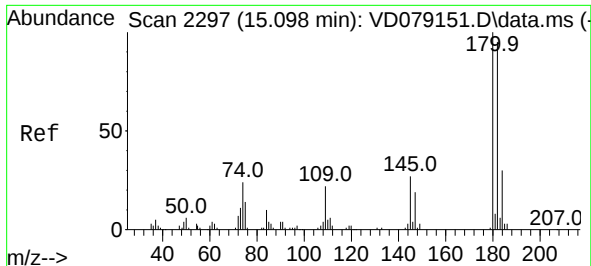
Ion Ratio Lower Upper

146 100

111 21.2 26.3 48.9#

148 56.1 43.1 80.1





#70

1,2,4-trichlorobenzene

Concen: 0.283 ug/L

RT: 15.092 min Scan# 2297

Delta R.T. -0.006 min

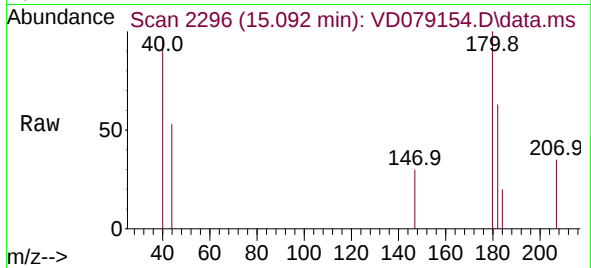
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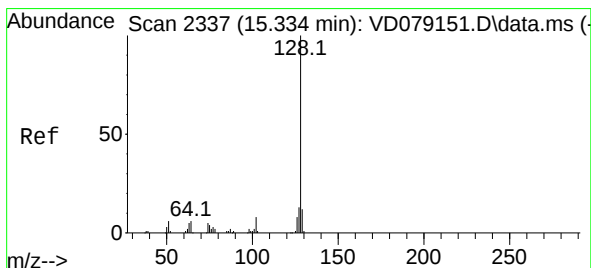
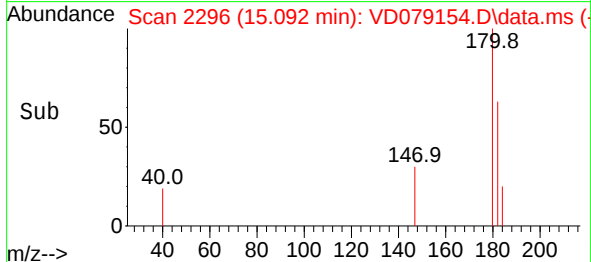
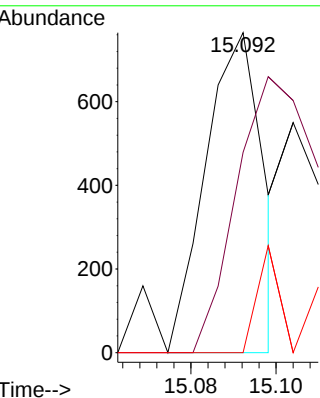
Tgt Ion:180 Resp: 721

Ion Ratio Lower Upper

180 100

182 114.7 73.8 110.6#

145 12.5 22.3 33.5#



#71

Naphthalene

Concen: 0.511 ug/L

RT: 15.322 min Scan# 2335

Delta R.T. -0.012 min

Lab File: VD079154.D

Acq: 10 Jun 2024 13:08

Tgt Ion:128 Resp: 2439

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

129 0.0 8.5 12.7#

