

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061124\
 Data File : VD079164.D
 Acq On : 11 Jun 2024 15:42
 Operator : RP/MD
 Sample : VD0611SBL01
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 12 01:06:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jun 12 01:05:41 2024
 Response via : Initial Calibration

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

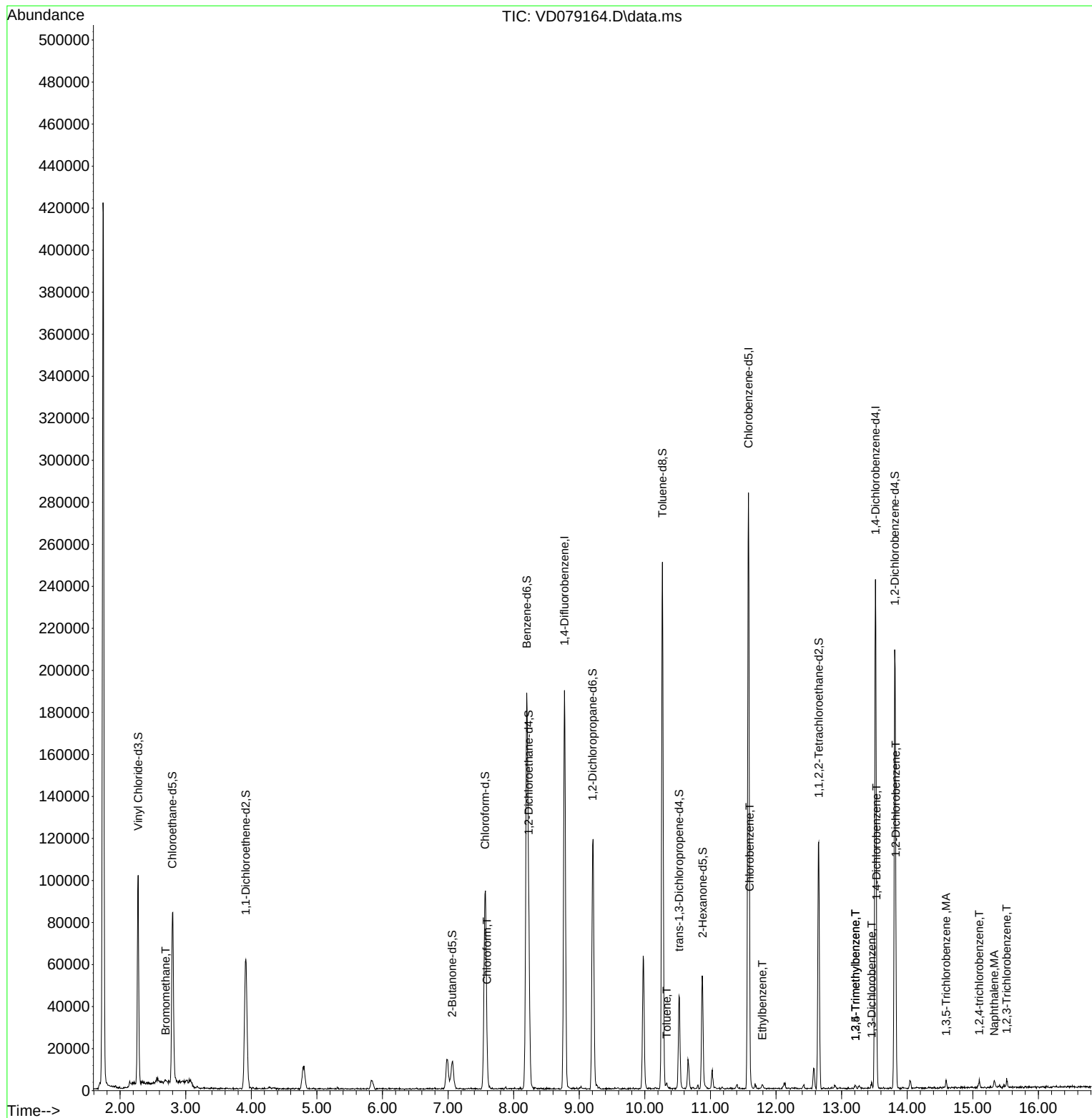
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	178886	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	177001	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	71118	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	93234	16.937	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.760%
7) Chloroethane-d5	2.799	69	90421	16.987	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.960%
11) 1,1-Dichloroethene-d2	3.916	65	18517	18.948	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.800%
21) 2-Butanone-d5	7.063	46	39	0.093	ug/L	0.08
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.180%#
24) Chloroform-d	7.563	84	106148	21.222	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.880%
26) 1,2-Dichloroethane-d4	8.228	65	53471	23.174	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.680%
32) Benzene-d6	8.199	84	208187	21.217	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.880%
36) 1,2-Dichloropropane-d6	9.204	67	62554	22.131	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.520%
41) Toluene-d8	10.269	98	178783	19.460	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.840%
43) trans-1,3-Dichloroprop...	10.522	79	27213	22.906	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.640%
47) 2-Hexanone-d5	10.881	63	19952	54.603	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.200%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	61505	24.567	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.280%
66) 1,2-Dichlorobenzene-d4	13.810	152	59579	24.274	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.080%
Target Compounds						Qvalue
6) Bromomethane	2.693	94	1243	0.258	ug/L	98
25) Chloroform	7.593	83	1715	0.350	ug/L	77
42) Toluene	10.334	91	1729	0.148	ug/L	99
51) Chlorobenzene	11.598	112	1691	0.217	ug/L #	69
52) Ethylbenzene	11.792	91	1747	0.143	ug/L	92
62) 1,3,5-Trimethylbenzene	13.210	105	1383	0.215	ug/L	88
63) 1,2,4-Trimethylbenzene	13.210	105	1383	0.201	ug/L	93
64) 1,3-Dichlorobenzene	13.457	146	1502	0.332	ug/L	89
65) 1,4-Dichlorobenzene	13.534	146	2282	0.477	ug/L #	83
67) 1,2-Dichlorobenzene	13.828	146	1540	0.369	ug/L #	55
69) 1,3,5-Trichlorobenzene	14.592	180	1319	0.463	ug/L #	92
70) 1,2,4-trichlorobenzene	15.098	180	1573	0.665	ug/L	98
71) Naphthalene	15.328	128	3863	0.873	ug/L #	90
72) 1,2,3-Trichlorobenzene	15.516	180	1408	0.688	ug/L #	81

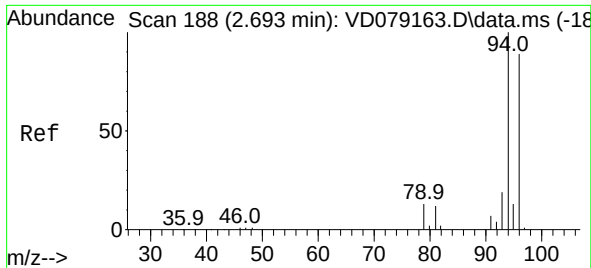
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Wed Jun 12 01:05:41 2024
Response via : Initial Calibration

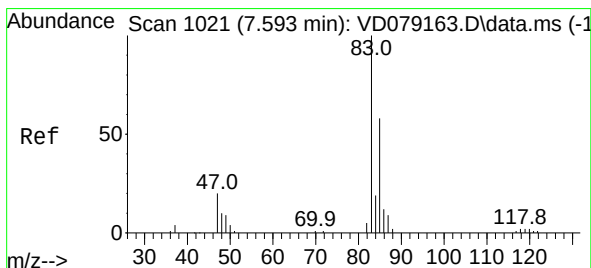
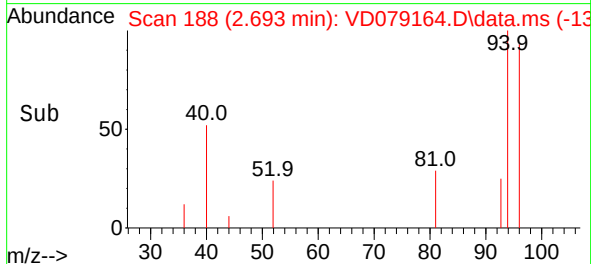
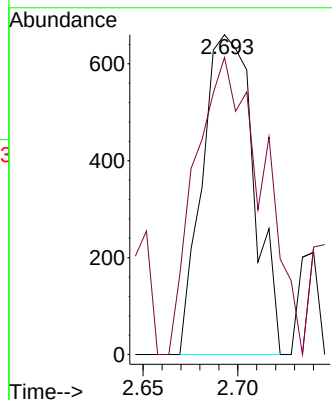
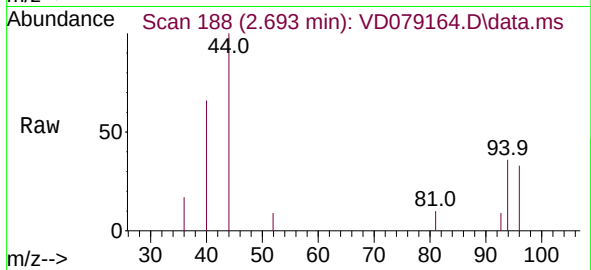




#6
Bromomethane
Concen: 0.258 ug/L
RT: 2.693 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079164.D
Acq: 11 Jun 2024 15:42

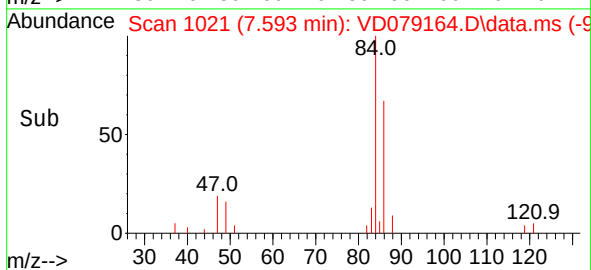
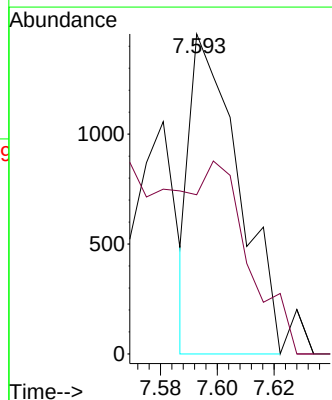
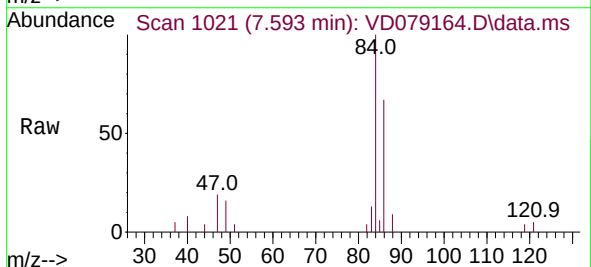
Instrument :
MSVOA_D
ClientSampleId :

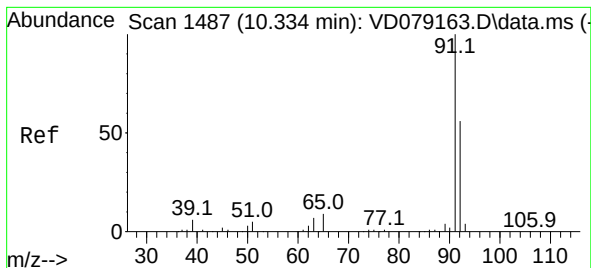
Tgt Ion: 94 Resp: 1243
Ion Ratio Lower Upper
94 100
96 92.9 63.6 118.2



#25
Chloroform
Concen: 0.350 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VD079164.D
Acq: 11 Jun 2024 15:42

Tgt Ion: 83 Resp: 1715
Ion Ratio Lower Upper
83 100
85 49.7 47.9 89.1





#42

Toluene

Concen: 0.148 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

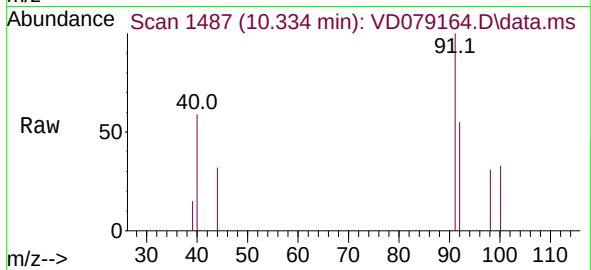
Lab File: VD079164.D

Acq: 11 Jun 2024 15:42

Instrument :

MSVOA_D

ClientSampleId :

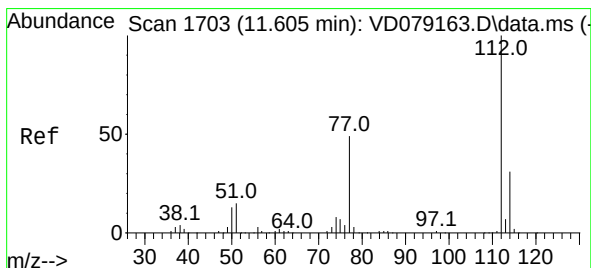
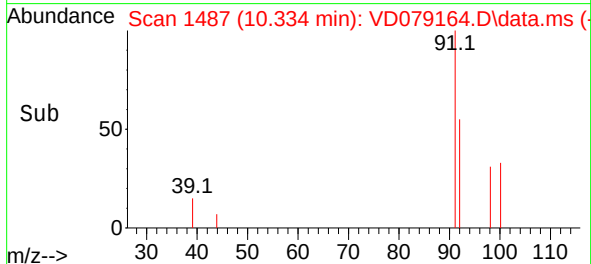
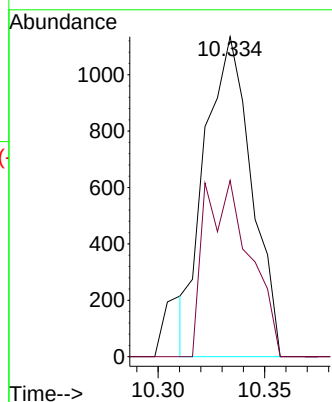


Tgt Ion: 91 Resp: 1729

Ion Ratio Lower Upper

91 100

92 55.1 38.9 72.3



#51

Chlorobenzene

Concen: 0.217 ug/L

RT: 11.598 min Scan# 1702

Delta R.T. -0.006 min

Lab File: VD079164.D

Acq: 11 Jun 2024 15:42

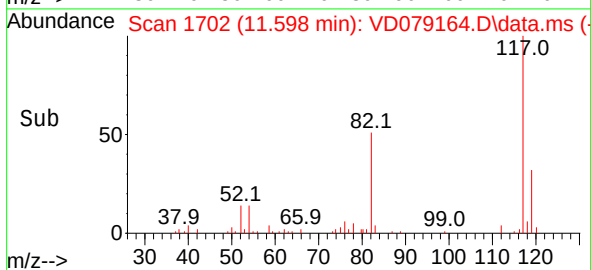
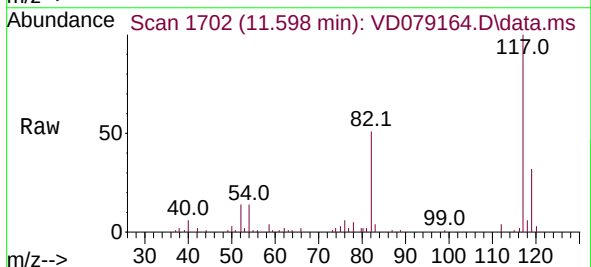
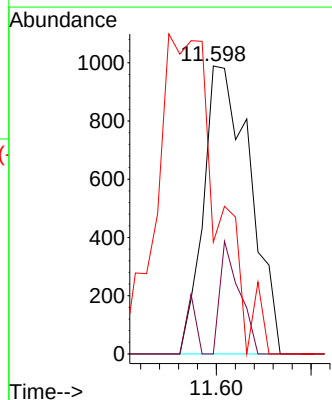
Tgt Ion: 112 Resp: 1691

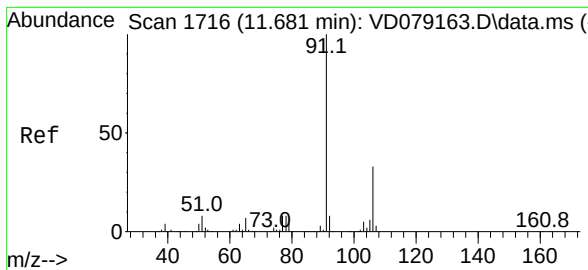
Ion Ratio Lower Upper

112 100

114 0.0 22.7 42.3#

77 38.8 38.4 57.6

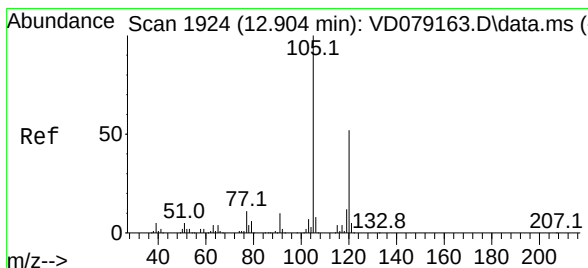
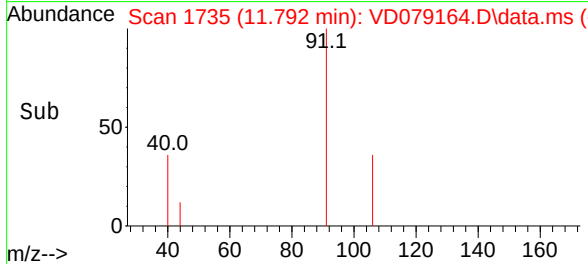
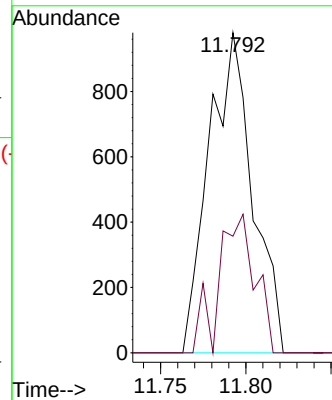
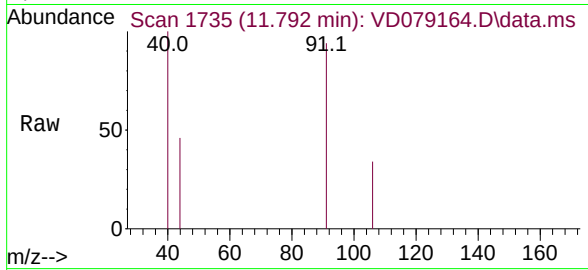




#52
Ethylbenzene
Concen: 0.143 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. 0.111 min
Lab File: VD079164.D
Acq: 11 Jun 2024 15:42

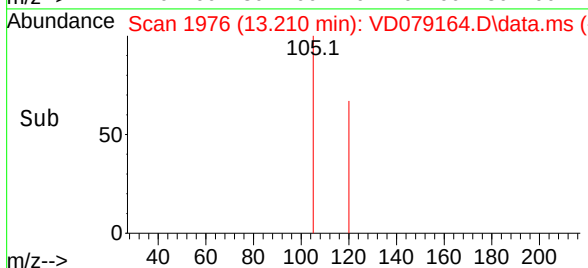
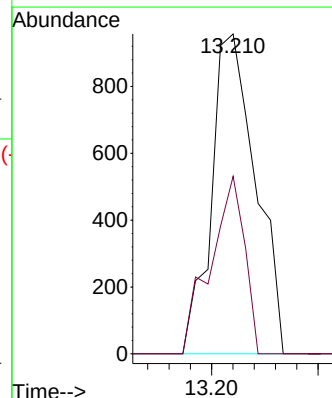
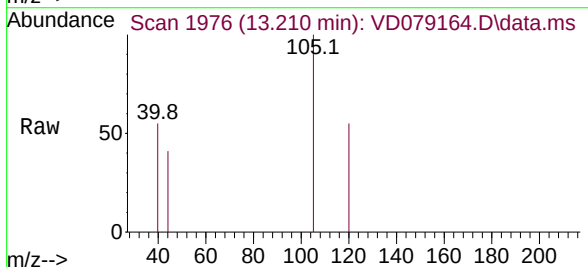
Instrument :
MSVOA_D
ClientSampleId :

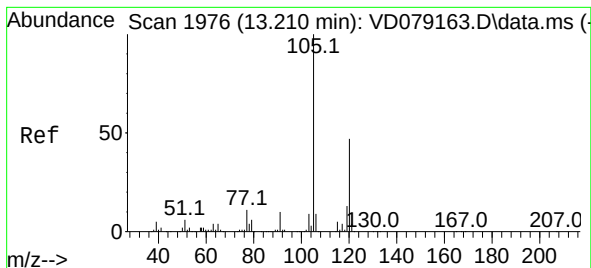
Tgt Ion: 91 Resp: 1747
Ion Ratio Lower Upper
91 100
106 36.4 22.3 41.5



#62
1,3,5-Trimethylbenzene
Concen: 0.215 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.306 min
Lab File: VD079164.D
Acq: 11 Jun 2024 15:42

Tgt Ion: 105 Resp: 1383
Ion Ratio Lower Upper
105 100
120 42.6 40.7 61.1





#63

1,2,4-Trimethylbenzene

Concen: 0.201 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VD079164.D

Acq: 11 Jun 2024 15:42

Instrument :

MSVOA_D

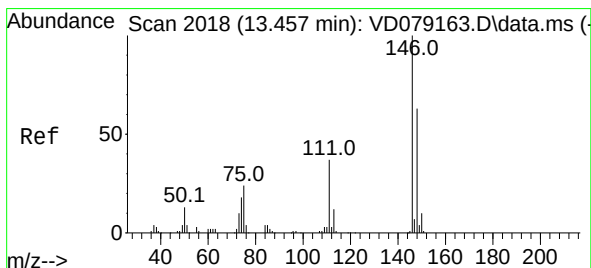
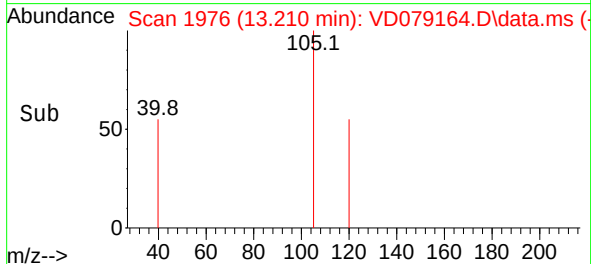
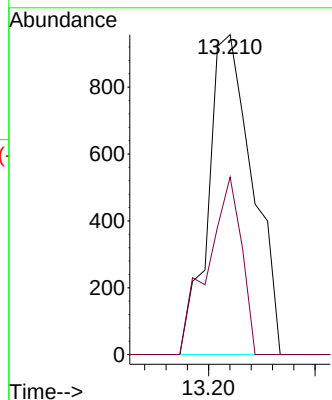
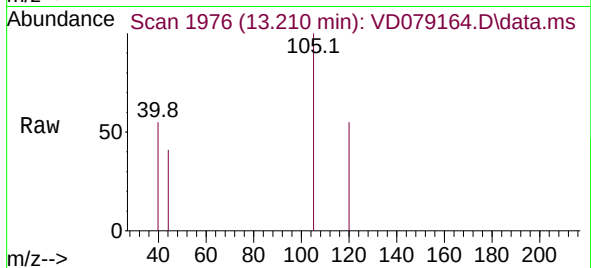
ClientSampleId :

Tgt Ion:105 Resp: 1383

Ion Ratio Lower Upper

105 100

120 42.6 38.0 57.0



#64

1,3-Dichlorobenzene

Concen: 0.332 ug/L

RT: 13.457 min Scan# 1818

Delta R.T. -0.000 min

Lab File: VD079164.D

Acq: 11 Jun 2024 15:42

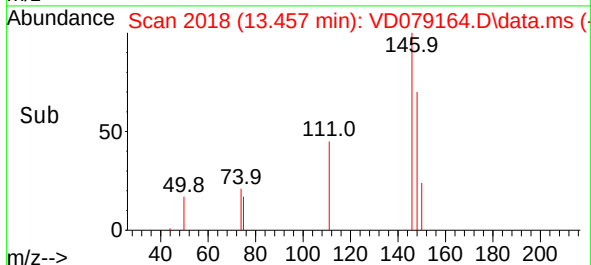
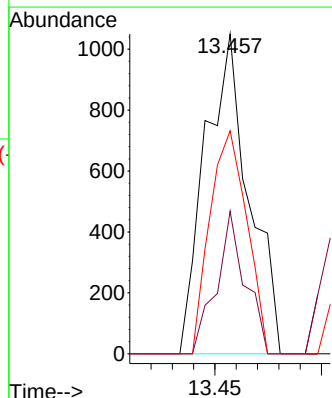
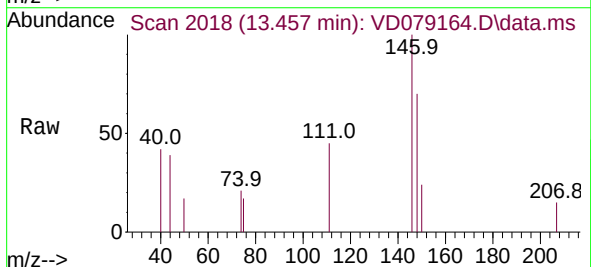
Tgt Ion:146 Resp: 1502

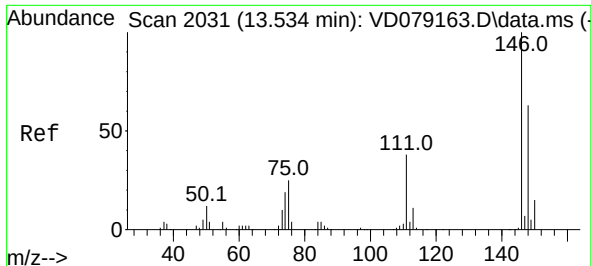
Ion Ratio Lower Upper

146 100

111 44.6 24.4 45.4

148 69.7 44.9 83.3





#65

1,4-Dichlorobenzene

Concen: 0.477 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. -0.000 min

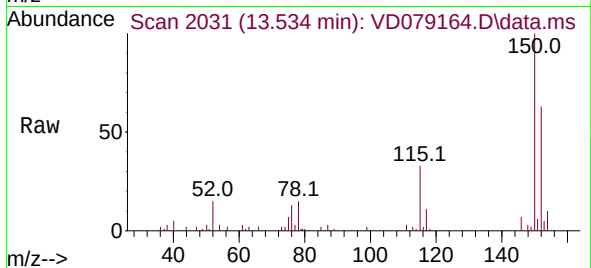
Lab File: VD079164.D

Acq: 11 Jun 2024 15:42

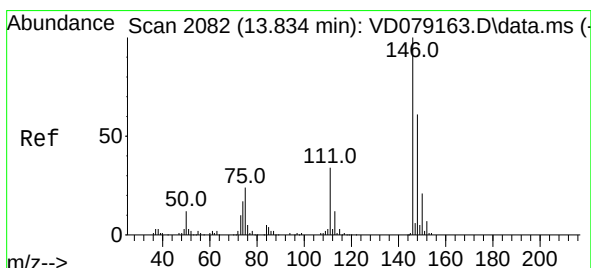
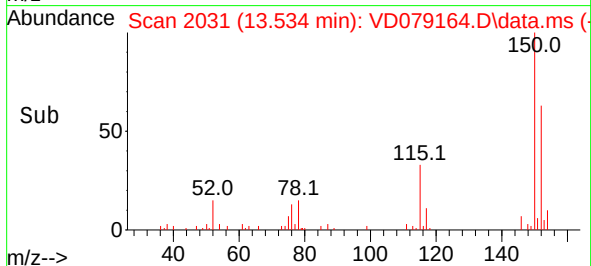
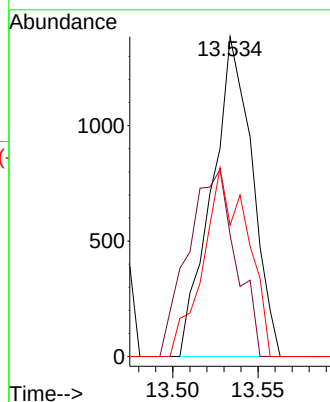
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:146	Resp:	2282
Ion	Ratio	Lower Upper
146	100	
111	38.1	26.3 48.9
148	41.1	43.1 80.1#



#67

1,2-Dichlorobenzene

Concen: 0.369 ug/L

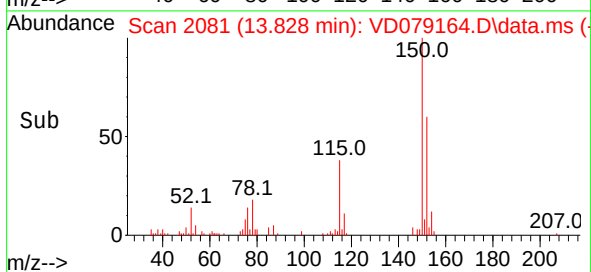
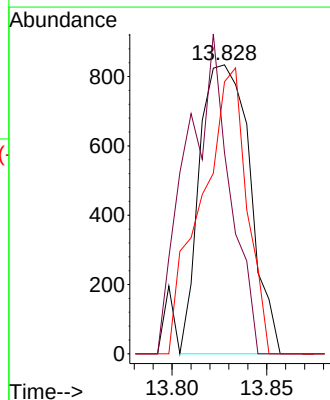
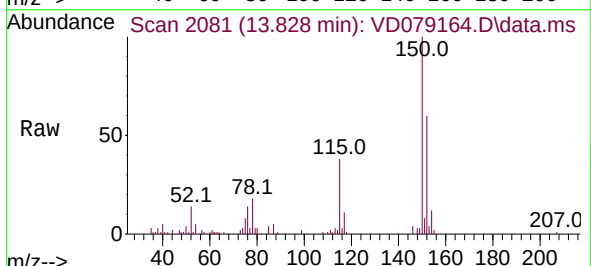
RT: 13.828 min Scan# 2081

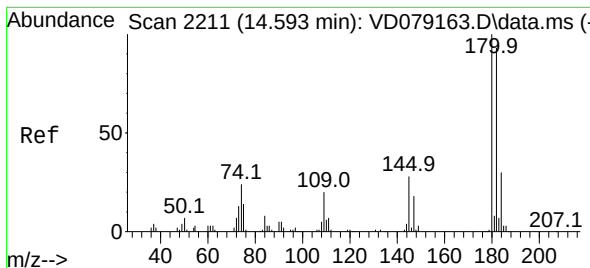
Delta R.T. -0.006 min

Lab File: VD079164.D

Acq: 11 Jun 2024 15:42

Tgt Ion:146	Resp:	1540
Ion	Ratio	Lower Upper
146	100	
111	69.5	29.1 43.7#
148	94.1	51.2 76.8#





#69

1,3,5-Trichlorobenzene

Concen: 0.463 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. -0.000 min

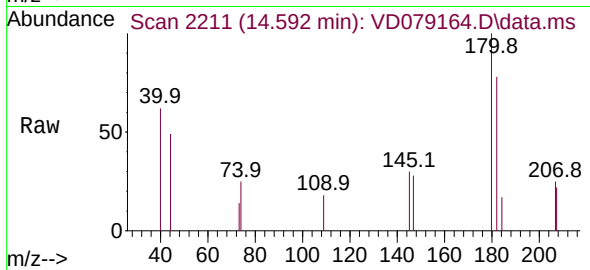
Lab File: VD079164.D

Acq: 11 Jun 2024 15:42

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 1319

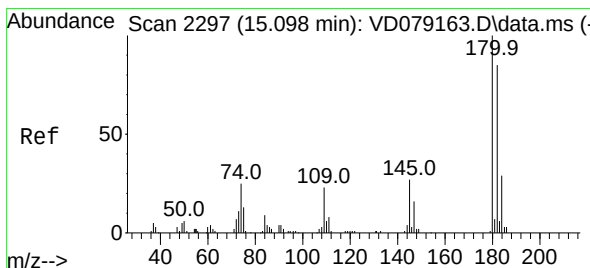
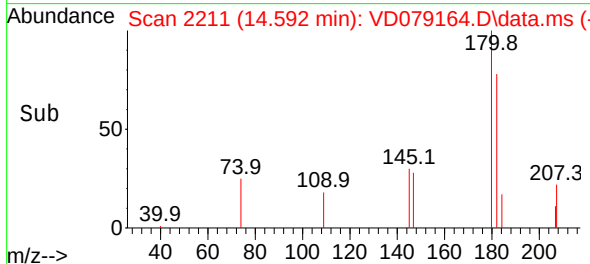
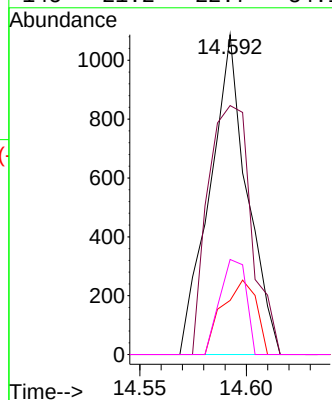
Ion Ratio Lower Upper

180 100

182 91.4 76.9 115.3

184 21.2 23.3 34.9#

145 21.2 22.7 34.1#



#70

1,2,4-trichlorobenzene

Concen: 0.665 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VD079164.D

Acq: 11 Jun 2024 15:42

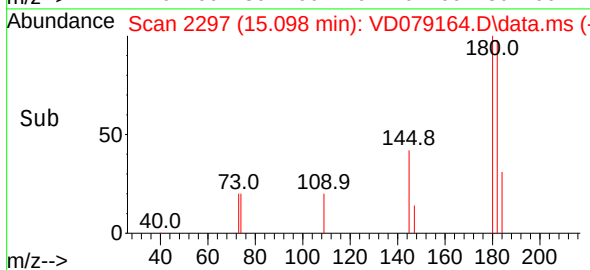
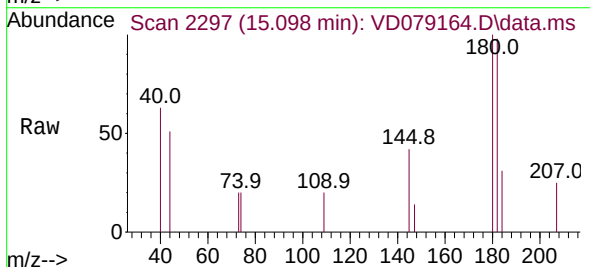
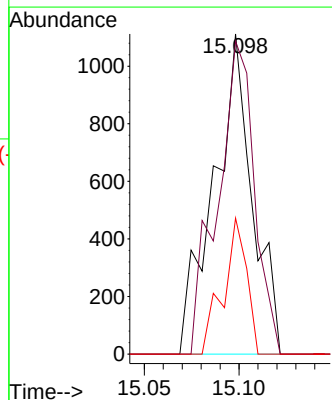
Tgt Ion:180 Resp: 1573

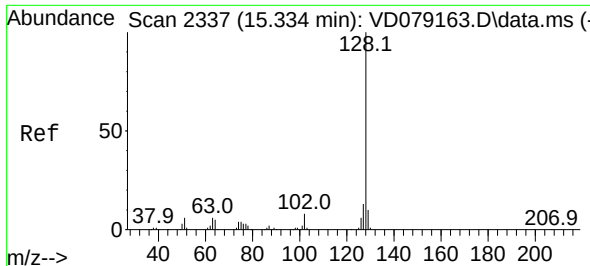
Ion Ratio Lower Upper

180 100

182 93.5 73.8 110.6

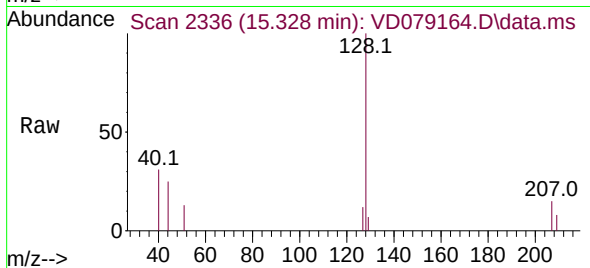
145 25.6 22.3 33.5



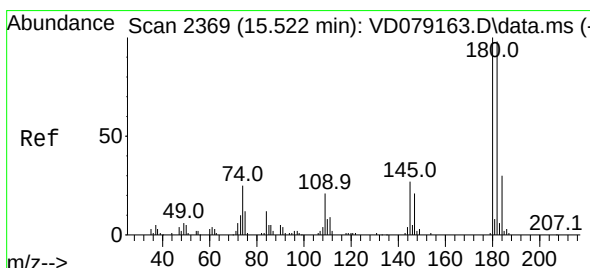
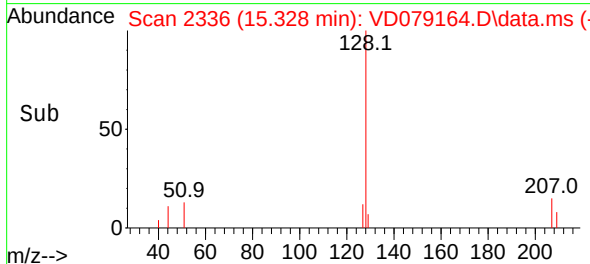
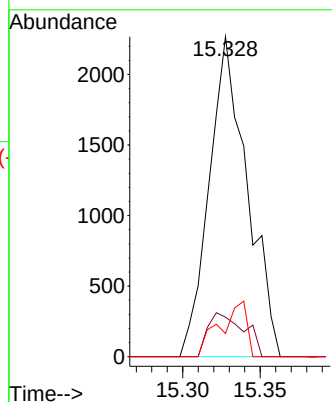


#71
Naphthalene
Concen: 0.873 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD079164.D
Acq: 11 Jun 2024 15:42

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 3863
Ion Ratio Lower Upper
128 100
127 11.0 10.8 16.2
129 5.4 8.5 12.7#



#72
1,2,3-Trichlorobenzene
Concen: 0.688 ug/L
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD079164.D
Acq: 11 Jun 2024 15:42

Tgt Ion:180 Resp: 1408
Ion Ratio Lower Upper
180 100
182 81.1 79.4 119.2
145 18.6 24.7 37.1#

