

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111224\
 Data File : VD079995.D
 Acq On : 12 Nov 2024 12:23
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 13 03:15:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM111224SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Nov 13 03:10:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	306234	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	293083	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	124237	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	80400	17.614	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.440%
7) Chloroethane-d5	2.805	69	74200	19.621	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.480%
11) 1,1-Dichloroethene-d2	3.922	65	40134	21.448	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.800%
21) 2-Butanone-d5	6.987	46	45339	47.174	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.340%
24) Chloroform-d	7.563	84	184757	21.243	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.960%
26) 1,2-Dichloroethane-d4	8.234	65	99696	21.139	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.560%
32) Benzene-d6	8.205	84	370751	21.996	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	9.210	67	121003	22.254	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.000%
41) Toluene-d8	10.269	98	322415	21.015	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.040%
43) trans-1,3-Dichloroprop...	10.522	79	47936	21.905	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.640%
47) 2-Hexanone-d5	10.875	63	36547	45.651	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.300%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	90516	20.783	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.120%
66) 1,2-Dichlorobenzene-d4	13.816	152	107273	24.916	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.680%
Target Compounds						
					Qvalue	
6) Bromomethane	2.705	94	1096	0.324	ug/L	81
25) Chloroform	7.587	83	8129	0.833	ug/L	98
42) Toluene	10.334	91	2524	0.126	ug/L	87
44) trans-1,3-Dichloropropene	10.528	75	2765	0.434	ug/L	97
46) Tetrachloroethene	10.810	164	790	0.189	ug/L	84
51) Chlorobenzene	11.616	112	2240	0.171	ug/L #	81
52) Ethylbenzene	11.687	91	2891	0.134	ug/L	92
53) m,p-Xylene	11.787	106	1391	0.172	ug/L	65
55) Styrene	12.134	104	2014	0.145	ug/L	84
60) Isopropylbenzene	12.422	105	2787	0.164	ug/L	96
62) 1,3,5-Trimethylbenzene	12.898	105	2582	0.194	ug/L	93
63) 1,2,4-Trimethylbenzene	13.210	105	2627	0.198	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	3147	0.378	ug/L #	80
65) 1,4-Dichlorobenzene	13.534	146	4029	0.461	ug/L	98
67) 1,2-Dichlorobenzene	13.828	146	3303	0.429	ug/L #	69
69) 1,3,5-Trichlorobenzene	15.098	180	4186	0.743	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	4186	0.882	ug/L	98
71) Naphthalene	15.328	128	9288	1.146	ug/L	94
72) 1,2,3-Trichlorobenzene	15.522	180	4473	1.068	ug/L	93

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ClientSampleId :

Quant Time: Nov 13 03:15:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM111224SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Nov 13 03:10:14 2024
Response via : Initial Calibration

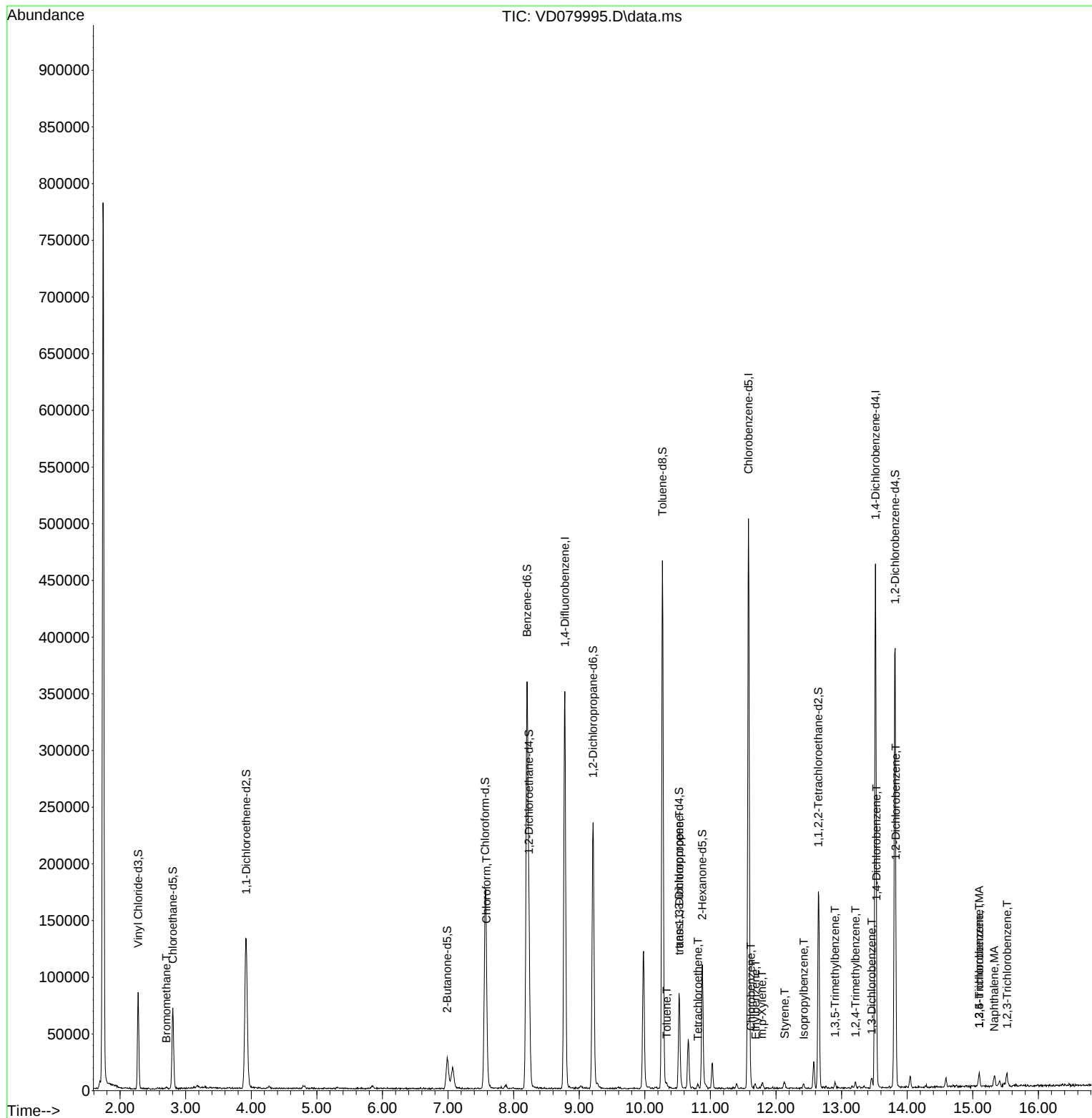
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

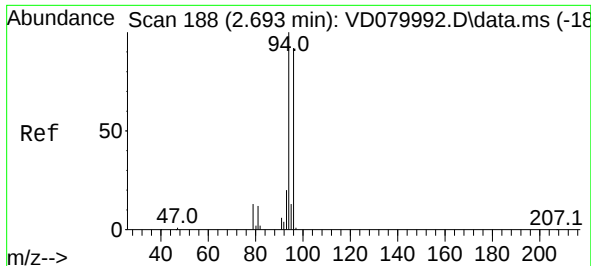
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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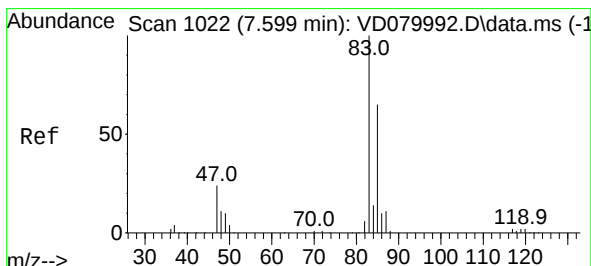
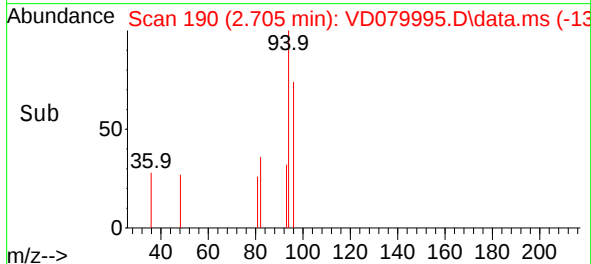
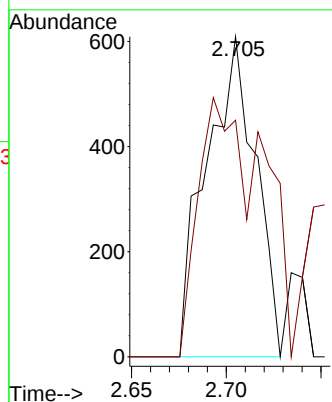
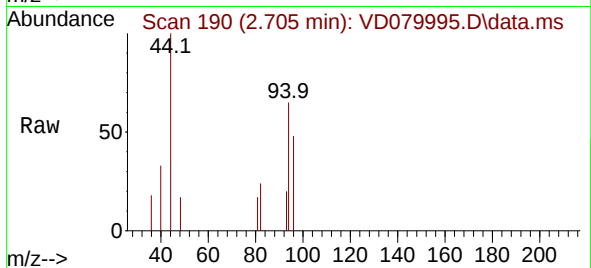




#6
Bromomethane
Concen: 0.324 ug/L
RT: 2.705 min Scan# 1096
Delta R.T. 0.012 min
Lab File: VD079995.D
Acq: 12 Nov 2024 12:23

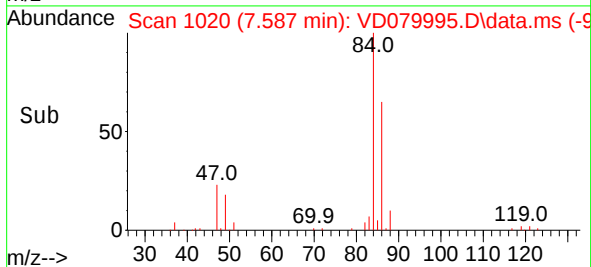
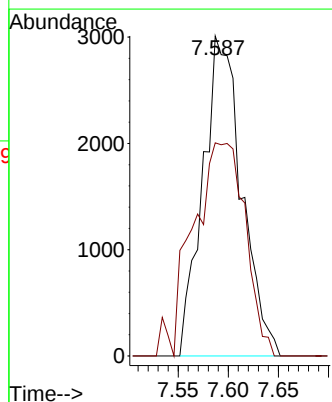
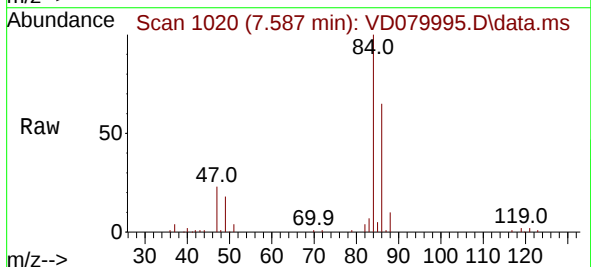
Instrument :
MSVOA_D
ClientSampleId :

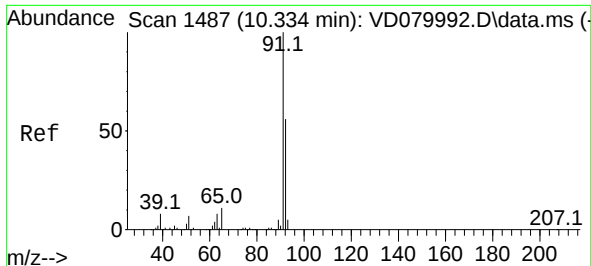
Tgt Ion: 94 Resp: 1096
Ion Ratio Lower Upper
94 100
96 73.9 64.5 119.7



#25
Chloroform
Concen: 0.833 ug/L
RT: 7.587 min Scan# 1020
Delta R.T. -0.012 min
Lab File: VD079995.D
Acq: 12 Nov 2024 12:23

Tgt Ion: 83 Resp: 8129
Ion Ratio Lower Upper
83 100
85 66.6 45.6 84.6





#42

Toluene

Concen: 0.126 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD079995.D

Acq: 12 Nov 2024 12:23

Instrument :

MSVOA_D

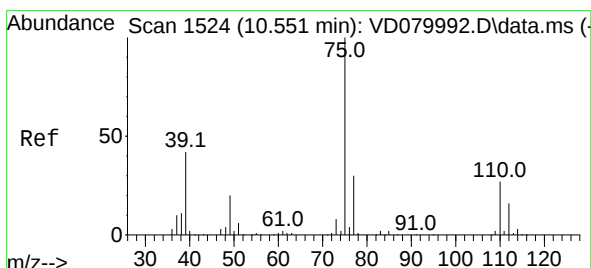
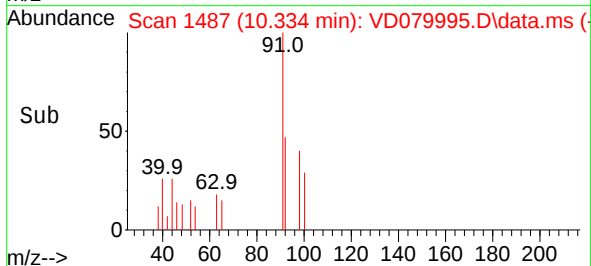
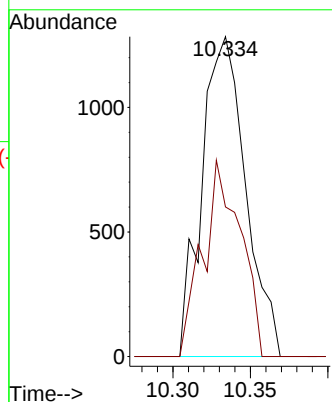
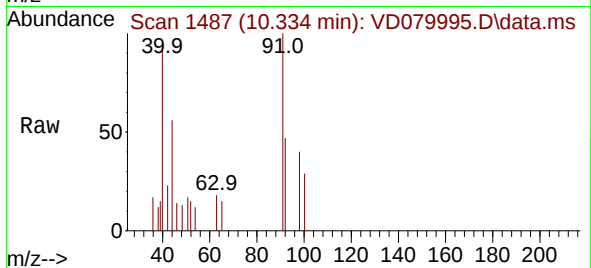
ClientSampleId :

Tgt Ion: 91 Resp: 2524

Ion Ratio Lower Upper

91 100

92 46.8 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 0.434 ug/L

RT: 10.528 min Scan# 1520

Delta R.T. -0.023 min

Lab File: VD079995.D

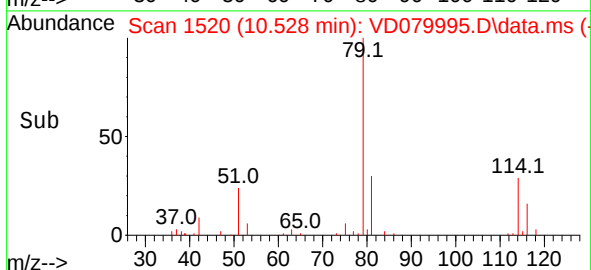
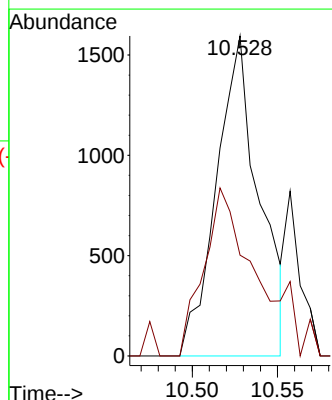
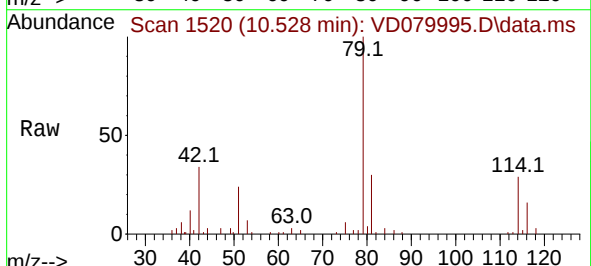
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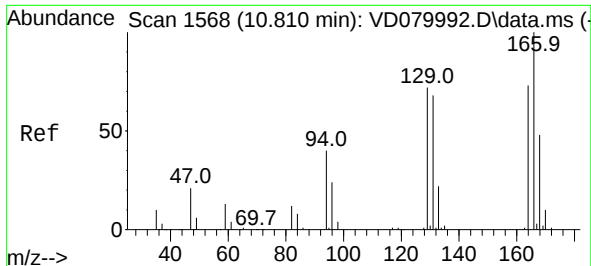
Tgt Ion: 75 Resp: 2765

Ion Ratio Lower Upper

75 100

77 31.5 21.0 39.0





#46

Tetrachloroethene

Concen: 0.189 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

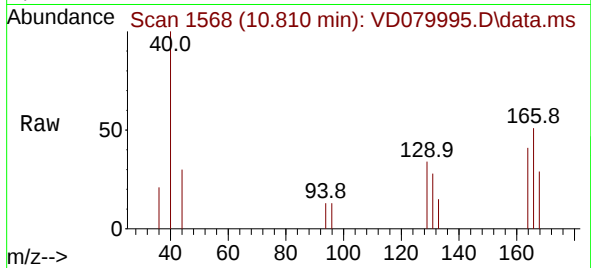
Lab File: VD079995.D

Acq: 12 Nov 2024 12:23

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:164 Resp: 790

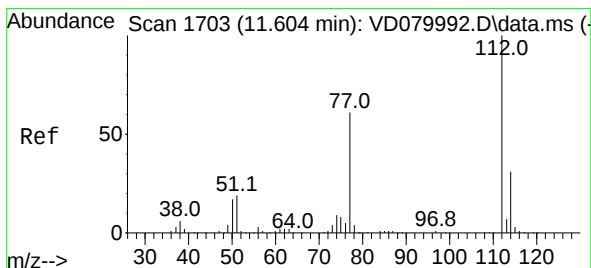
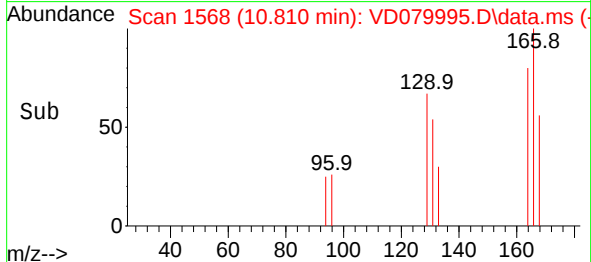
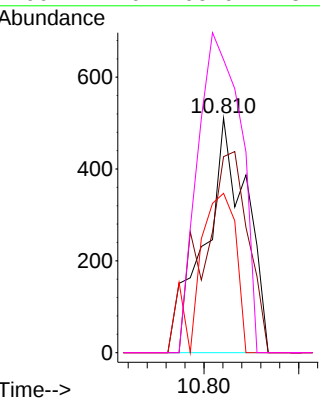
Ion Ratio Lower Upper

164 100

129 83.6 69.1 128.3

131 67.9 65.4 121.4

166 124.9 95.9 178.1



#51

Chlorobenzene

Concen: 0.171 ug/L

RT: 11.616 min Scan# 1705

Delta R.T. 0.012 min

Lab File: VD079995.D

Acq: 12 Nov 2024 12:23

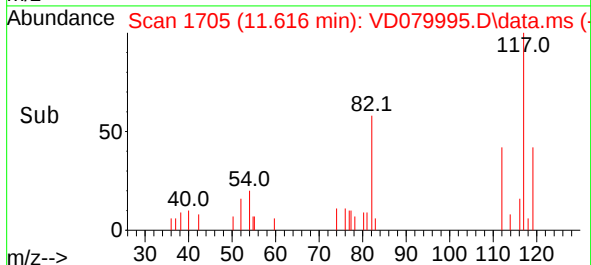
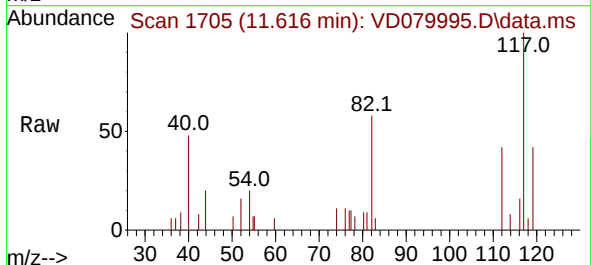
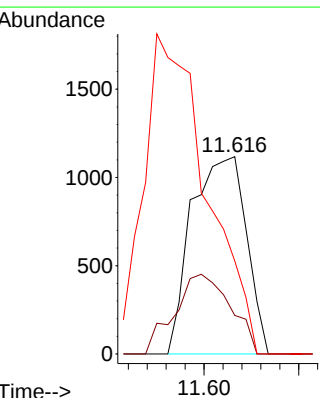
Tgt Ion:112 Resp: 2240

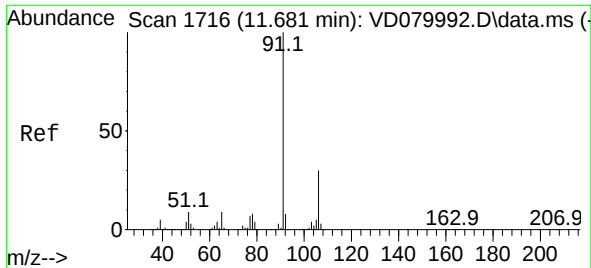
Ion Ratio Lower Upper

112 100

114 19.6 21.8 40.4#

77 47.1 49.1 73.7#

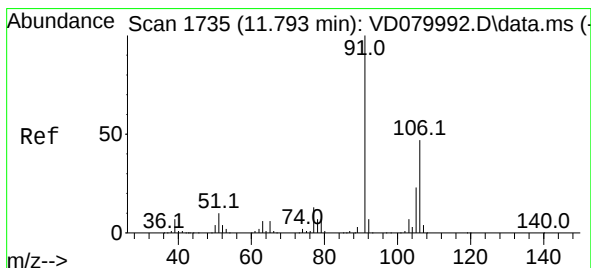
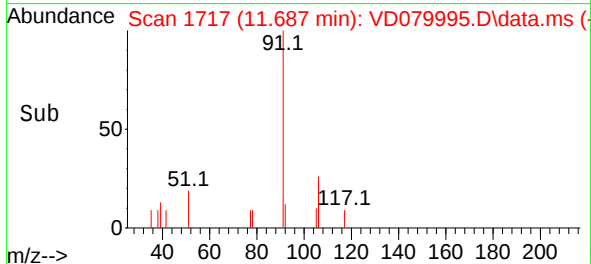
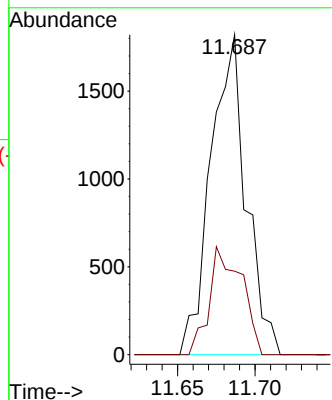
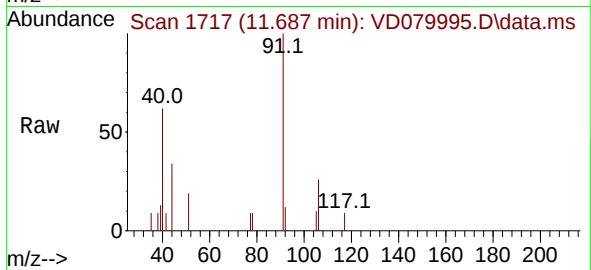




#52
Ethylbenzene
Concen: 0.134 ug/L
RT: 11.687 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VD079995.D
Acq: 12 Nov 2024 12:23

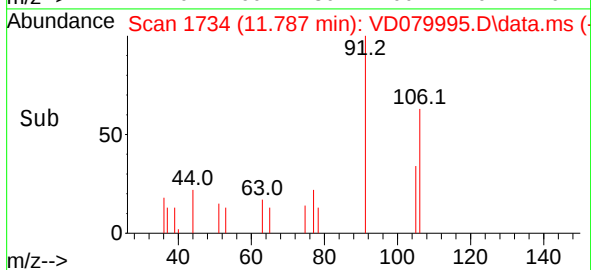
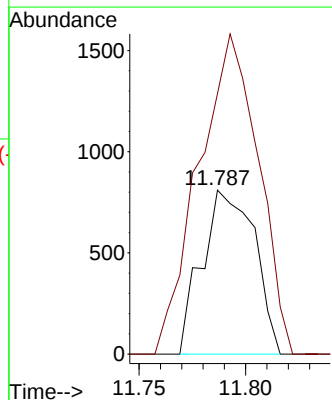
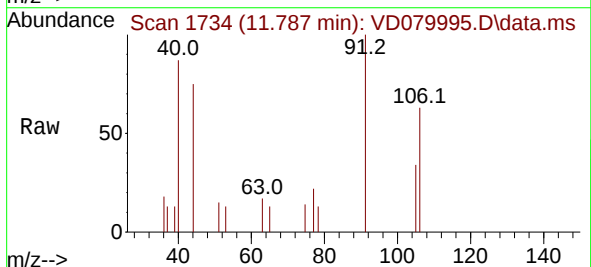
Instrument :
MSVOA_D
ClientSampleId :

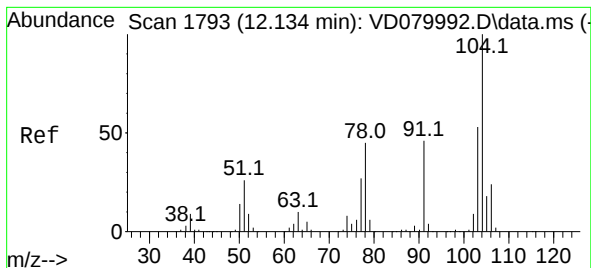
Tgt Ion: 91 Resp: 2891
Ion Ratio Lower Upper
91 100
106 26.1 21.2 39.4



#53
m,p-Xylene
Concen: 0.172 ug/L
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD079995.D
Acq: 12 Nov 2024 12:23

Tgt Ion: 106 Resp: 1391
Ion Ratio Lower Upper
106 100
91 158.9 149.3 277.3





#55

Styrene

Concen: 0.145 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD079995.D

Acq: 12 Nov 2024 12:23

Instrument :

MSVOA_D

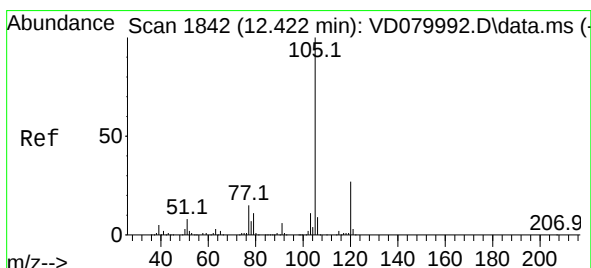
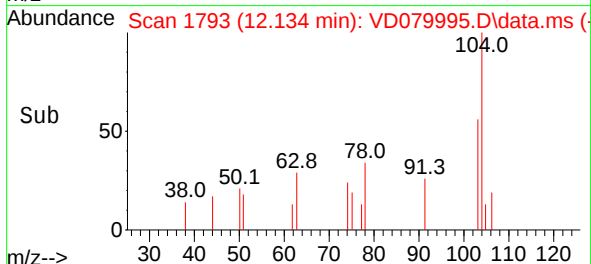
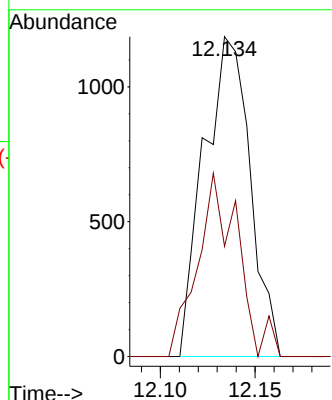
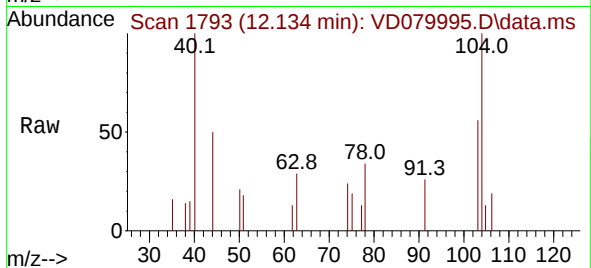
ClientSampleId :

Tgt Ion:104 Resp: 2014

Ion Ratio Lower Upper

104 100

78 34.5 31.6 58.6



#60

Isopropylbenzene

Concen: 0.164 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD079995.D

Acq: 12 Nov 2024 12:23

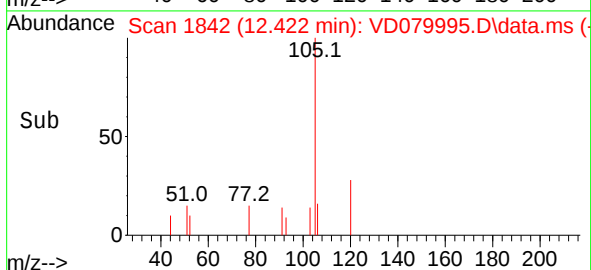
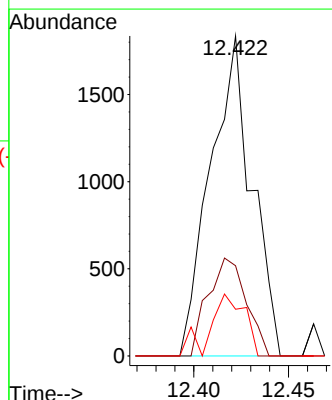
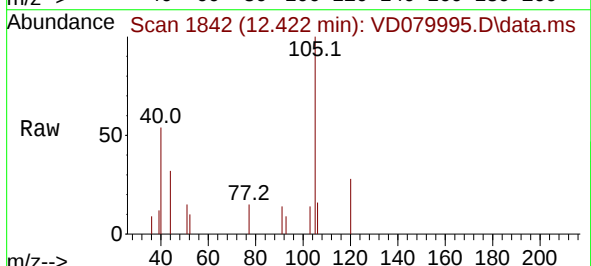
Tgt Ion:105 Resp: 2787

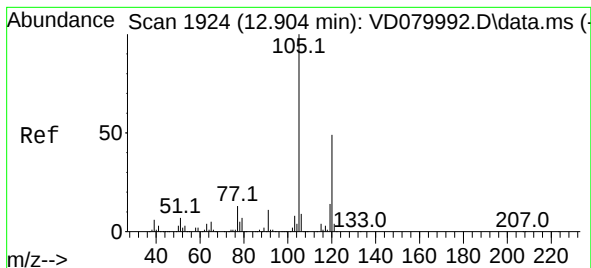
Ion Ratio Lower Upper

105 100

120 28.4 21.3 31.9

77 14.0 12.6 18.8





#62

1,3,5-Trimethylbenzene

Concen: 0.194 ug/L

RT: 12.898 min Scan# 1924

Delta R.T. -0.006 min

Lab File: VD079995.D

Acq: 12 Nov 2024 12:23

Instrument :

MSVOA_D

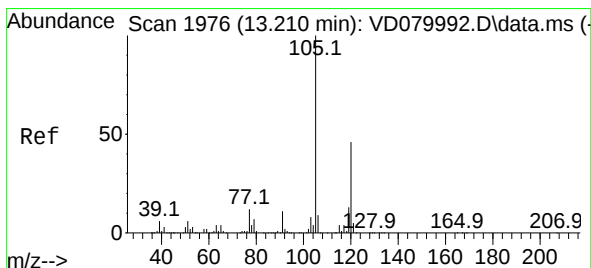
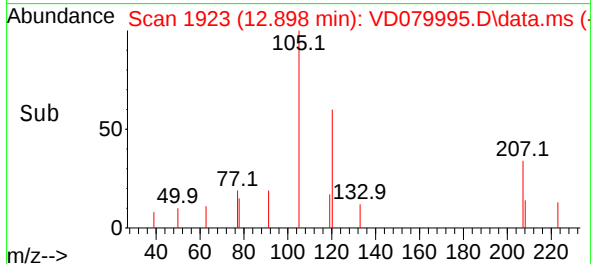
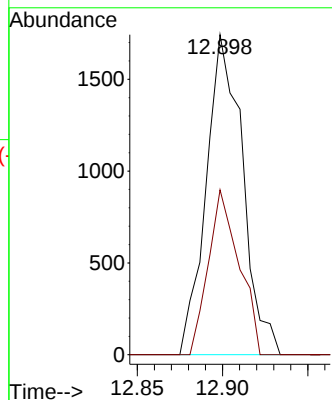
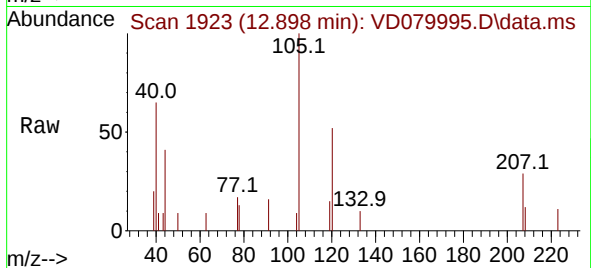
ClientSampleId :

Tgt Ion:105 Resp: 2582

Ion Ratio Lower Upper

105 100

120 43.6 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 0.198 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD079995.D

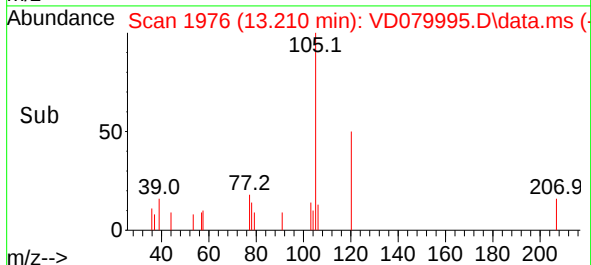
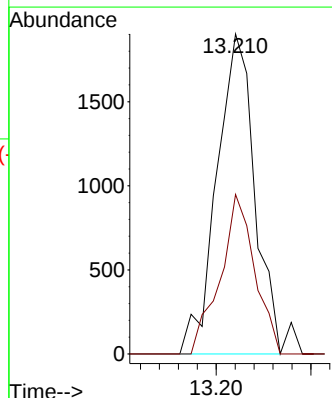
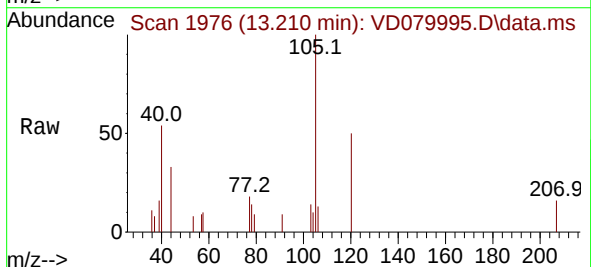
Acq: 12 Nov 2024 12:23

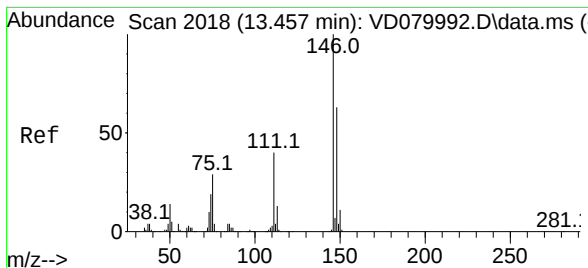
Tgt Ion:105 Resp: 2627

Ion Ratio Lower Upper

105 100

120 45.7 36.8 55.2

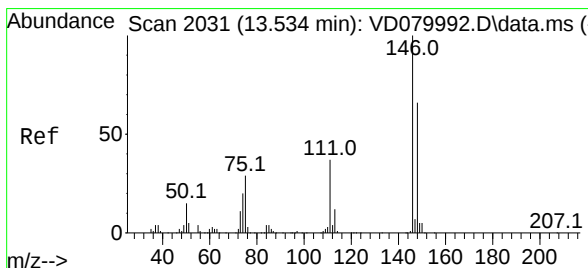
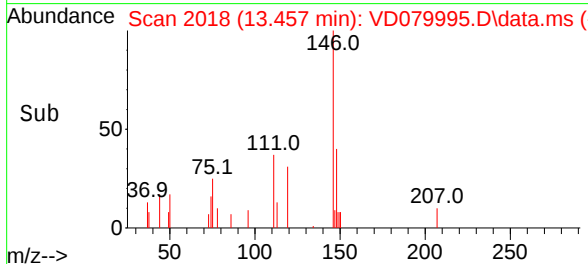
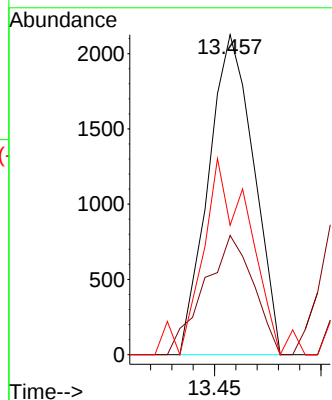
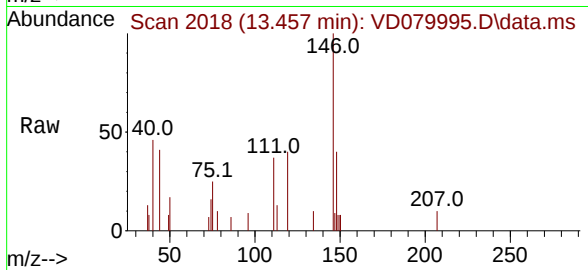




#64
1,3-Dichlorobenzene
Concen: 0.378 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079995.D
Acq: 12 Nov 2024 12:23

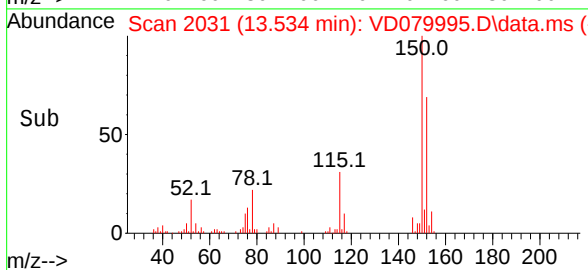
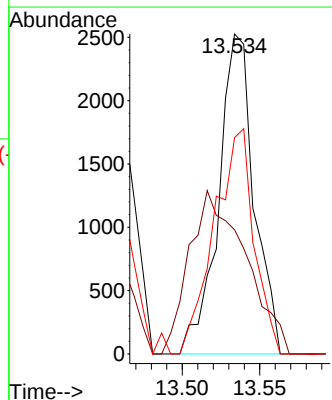
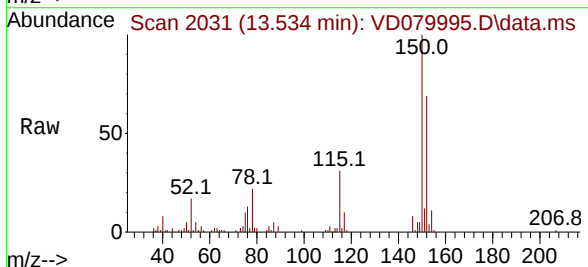
Instrument :
MSVOA_D
ClientSampleId :

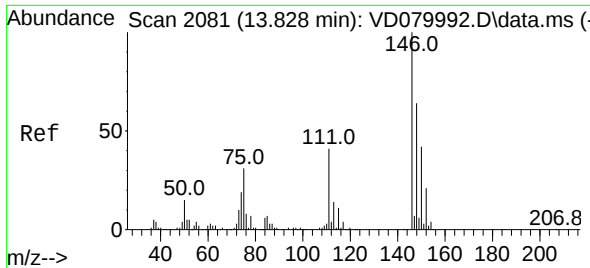
Tgt Ion:146 Resp: 3147
Ion Ratio Lower Upper
146 100
111 37.3 28.2 52.4
148 40.5 44.4 82.4#



#65
1,4-Dichlorobenzene
Concen: 0.461 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD079995.D
Acq: 12 Nov 2024 12:23

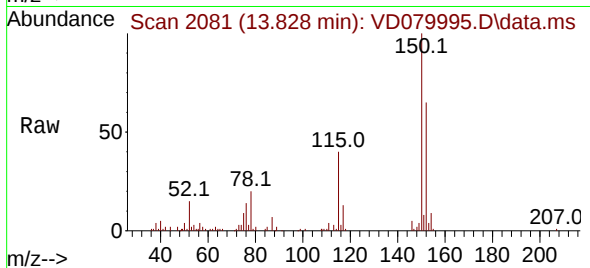
Tgt Ion:146 Resp: 4029
Ion Ratio Lower Upper
146 100
111 38.8 26.2 48.8
148 67.6 46.1 85.5



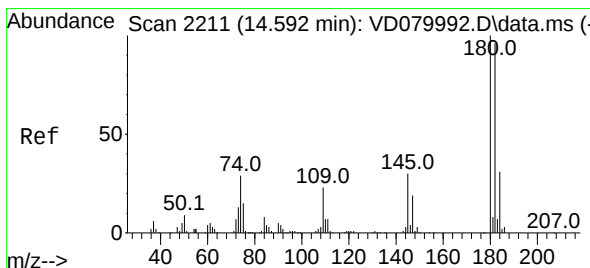
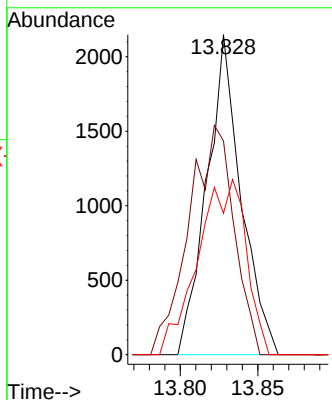
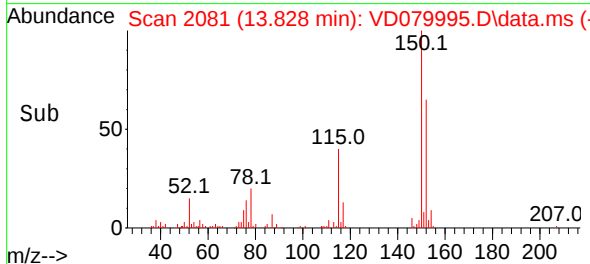


#67
1,2-Dichlorobenzene
Concen: 0.429 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VD079995.D
Acq: 12 Nov 2024 12:23

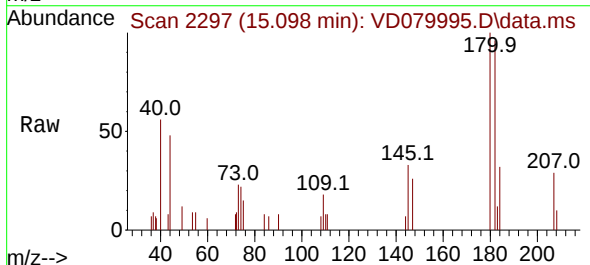
Instrument :
MSVOA_D
ClientSampleId :



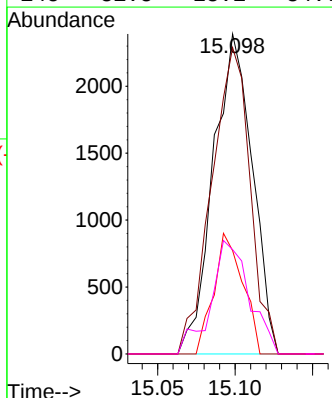
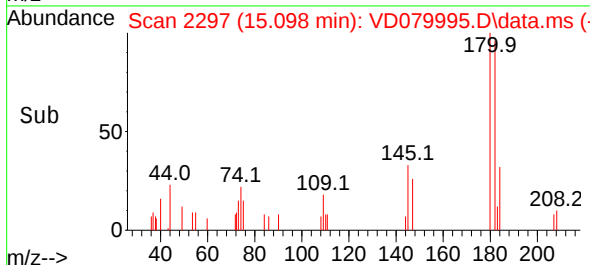
Tgt Ion:146 Resp: 3303
Ion Ratio Lower Upper
146 100
111 66.8 33.0 49.6#
148 44.2 51.0 76.4#

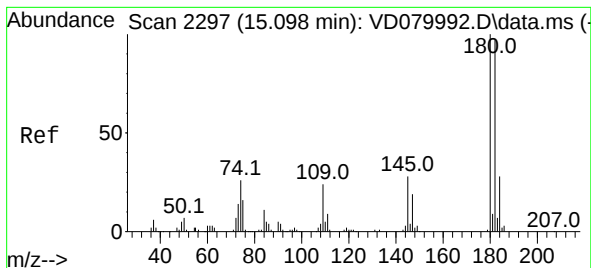


#69
1,3,5-Trichlorobenzene
Concen: 0.743 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. 0.506 min
Lab File: VD079995.D
Acq: 12 Nov 2024 12:23



Tgt Ion:180 Resp: 4186
Ion Ratio Lower Upper
180 100
182 94.2 75.8 113.6
184 28.0 24.6 36.8
145 31.8 23.1 34.7





#70

1,2,4-trichlorobenzene

Concen: 0.882 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD079995.D

Acq: 12 Nov 2024 12:23

Instrument :

MSVOA_D

ClientSampleId :

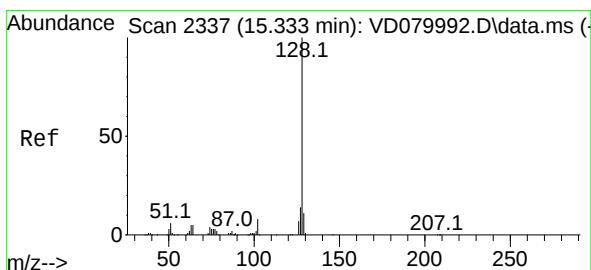
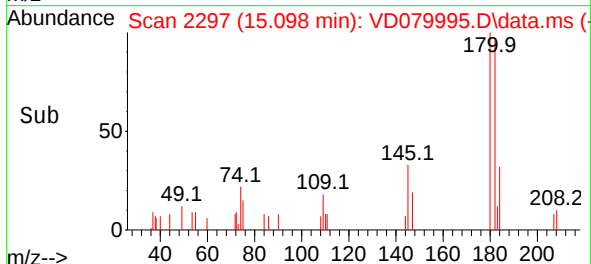
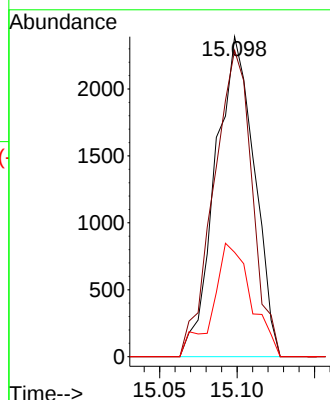
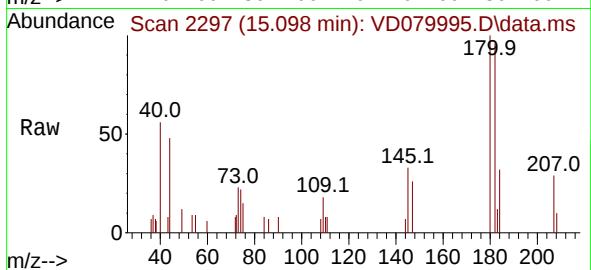
Tgt Ion:180 Resp: 4186

Ion Ratio Lower Upper

180 100

182 94.2 75.9 113.9

145 31.8 23.0 34.4



#71

Naphthalene

Concen: 1.146 ug/L

RT: 15.328 min Scan# 2336

Delta R.T. -0.006 min

Lab File: VD079995.D

Acq: 12 Nov 2024 12:23

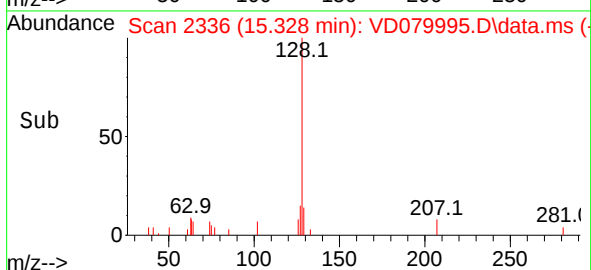
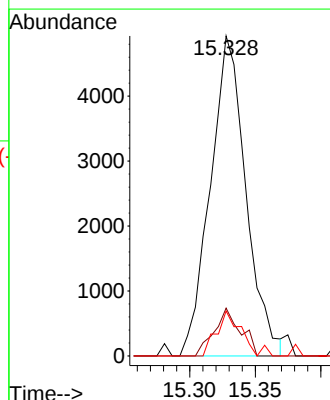
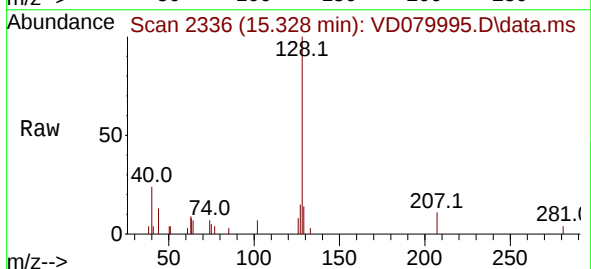
Tgt Ion:128 Resp: 9288

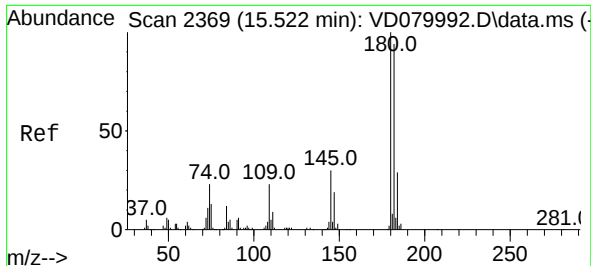
Ion Ratio Lower Upper

128 100

127 11.1 11.0 16.6

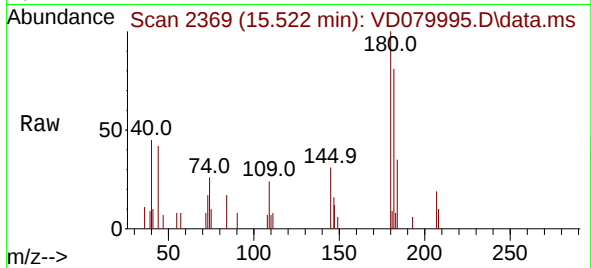
129 9.3 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 1.068 ug/L
 RT: 15.522 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: VD079995.D
 Acq: 12 Nov 2024 12:23

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	180	Resp:	4473
Ion	Ratio	Lower	Upper
180	100		
182	85.6	75.8	113.8
145	30.5	24.9	37.3

