

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091024\
 Data File : VD079813.D
 Acq On : 10 Sep 2024 13:52
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 11 06:17:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM091024SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Sep 11 06:11:49 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	202277	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	190760	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	73736	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	54622	6.210	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	24.840%#
7) Chloroethane-d5	2.799	69	64569	9.272	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	37.080%
11) 1,1-Dichloroethene-d2	3.916	65	10100	6.324	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	25.280%#
21) 2-Butanone-d5	6.987	46	35924	43.959	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.920%
24) Chloroform-d	7.569	84	95628	14.382	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	57.520%
26) 1,2-Dichloroethane-d4	8.228	65	51837	14.909	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	59.640%#
32) Benzene-d6	8.204	84	151264	11.232	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	44.920%
36) 1,2-Dichloropropane-d6	9.210	67	61654	14.947	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	59.800%#
41) Toluene-d8	10.269	98	114917	9.697	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	38.800%
43) trans-1,3-Dichloroprop...	10.522	79	25572	14.420	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	57.680%
47) 2-Hexanone-d5	10.875	63	28592	42.524	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.040%
56) 1,1,2,2-Tetrachloroeth...	12.645	84	58822	19.407	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.640%
66) 1,2-Dichlorobenzene-d4	13.810	152	51501	18.521	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.080%#
Target Compounds						
6) Bromomethane	2.693	94	2377	0.570	ug/L	73
25) Chloroform	7.587	83	3974	0.587	ug/L	86
44) trans-1,3-Dichloropropene	10.528	75	1516	0.316	ug/L	95
51) Chlorobenzene	11.610	112	1959	0.218	ug/L #	79
52) Ethylbenzene	11.681	91	2321	0.148	ug/L	94
53) m,p-Xylene	11.798	106	957	0.161	ug/L #	34
54) o-Xylene	12.116	106	595	0.102	ug/L	74
55) Styrene	12.128	104	1475	0.144	ug/L	84
60) Isopropylbenzene	12.422	105	1703	0.134	ug/L #	85
62) 1,3,5-Trimethylbenzene	12.898	105	1684	0.181	ug/L	97
63) 1,2,4-Trimethylbenzene	12.898	105	1684	0.172	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	2029	0.386	ug/L	91
65) 1,4-Dichlorobenzene	13.534	146	2657	0.482	ug/L	92
67) 1,2-Dichlorobenzene	13.833	146	2008	0.422	ug/L #	90
69) 1,3,5-Trichlorobenzene	14.592	180	1886	0.591	ug/L #	88
70) 1,2,4-Trichlorobenzene	15.092	180	2284	0.850	ug/L	87
71) Naphthalene	15.328	128	6995	1.166	ug/L #	91
72) 1,2,3-Trichlorobenzene	15.516	180	2837	1.181	ug/L #	89

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MSVOA_D
ClientSampleId :

Quant Time: Sep 11 06:17:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM091024SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Sep 11 06:11:49 2024
Response via : Initial Calibration

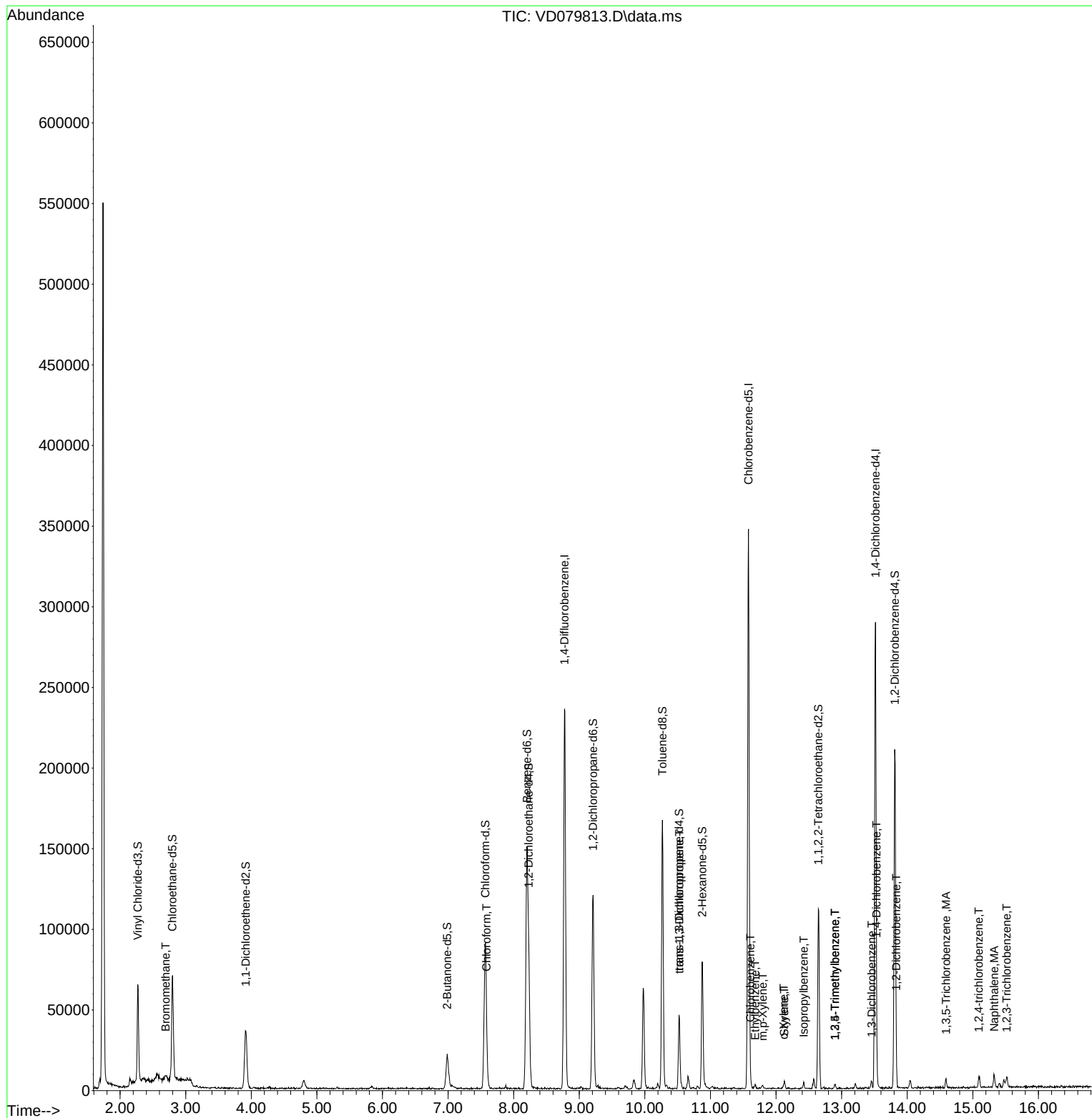
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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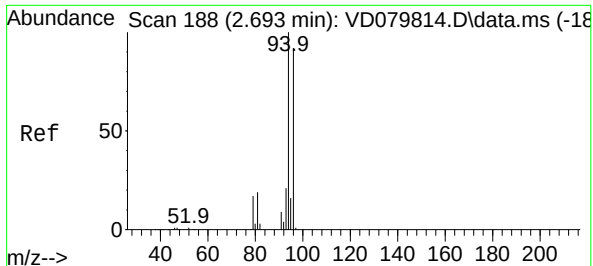
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Wed Sep 11 06:11:49 2024
Response via : Initial Calibration

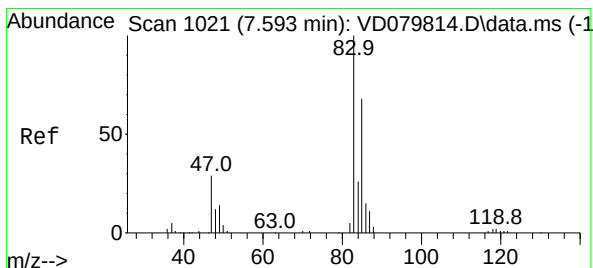
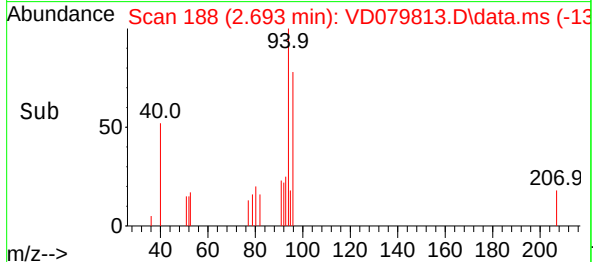
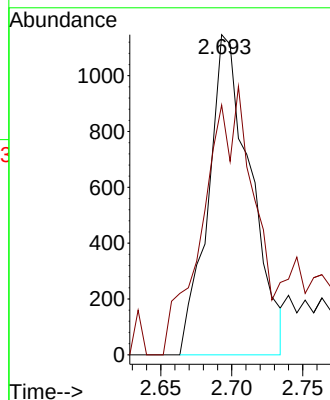
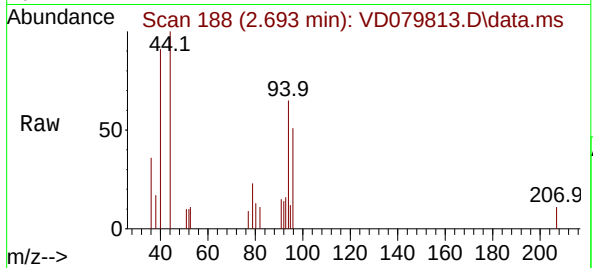




#6
Bromomethane
Concen: 0.570 ug/L
RT: 2.693 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079813.D
Acq: 10 Sep 2024 13:52

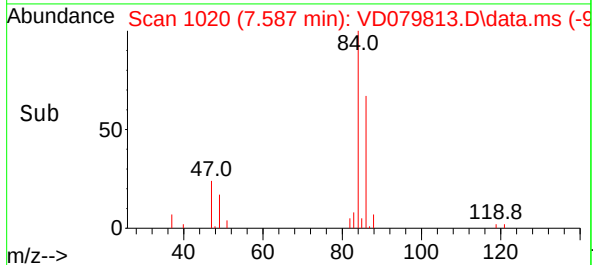
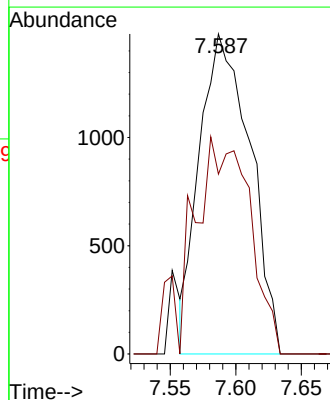
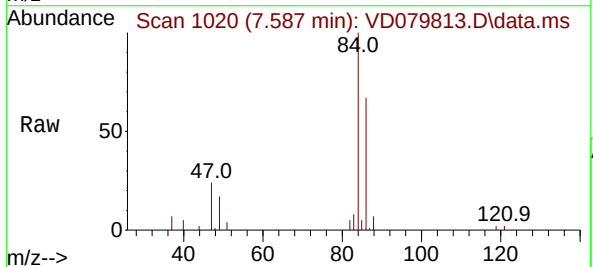
Instrument :
MSVOA_D
ClientSampleId :

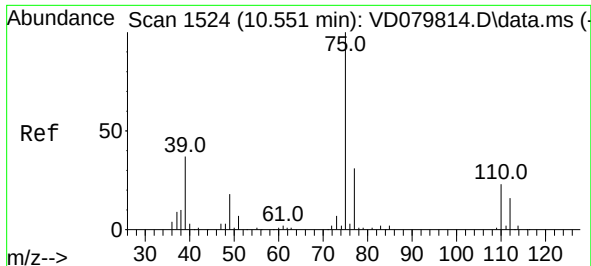
Tgt Ion: 94 Resp: 2377
Ion Ratio Lower Upper
94 100
96 65.9 64.3 119.5



#25
Chloroform
Concen: 0.587 ug/L
RT: 7.587 min Scan# 1020
Delta R.T. -0.006 min
Lab File: VD079813.D
Acq: 10 Sep 2024 13:52

Tgt Ion: 83 Resp: 3974
Ion Ratio Lower Upper
83 100
85 56.2 47.3 87.9





#44

trans-1,3-Dichloropropene

Concen: 0.316 ug/L

RT: 10.528 min Scan# 1520

Delta R.T. -0.024 min

Lab File: VD079813.D

Acq: 10 Sep 2024 13:52

Instrument :

MSVOA_D

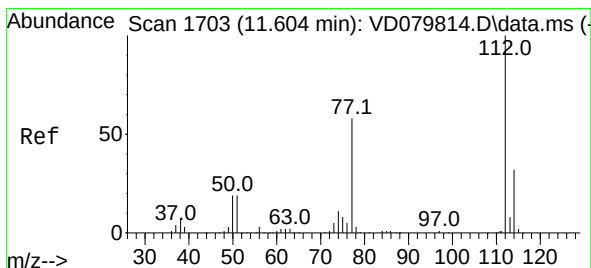
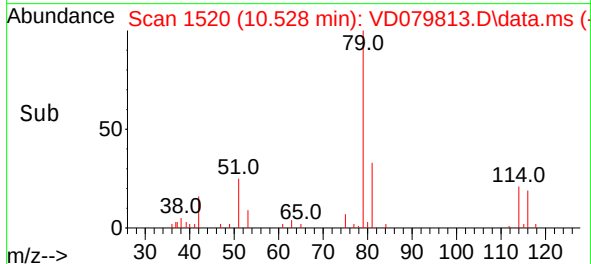
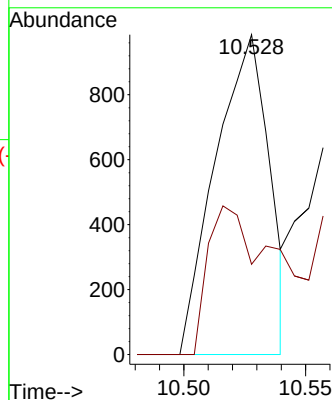
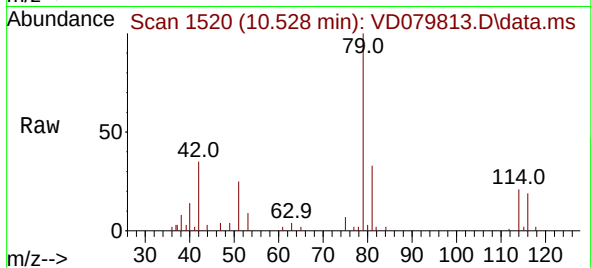
ClientSampleId :

Tgt Ion: 75 Resp: 1516

Ion Ratio Lower Upper

75 100

77 28.2 21.8 40.4



#51

Chlorobenzene

Concen: 0.218 ug/L

RT: 11.610 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VD079813.D

Acq: 10 Sep 2024 13:52

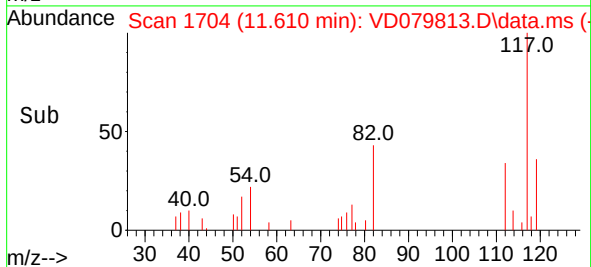
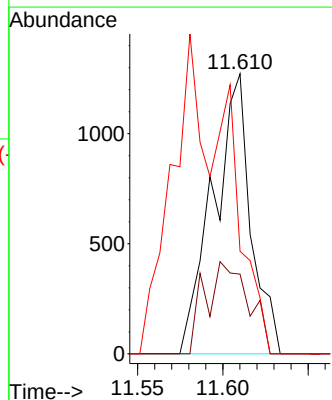
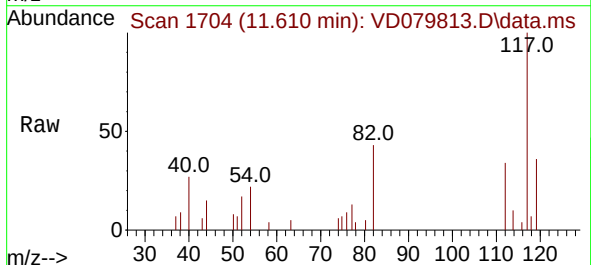
Tgt Ion: 112 Resp: 1959

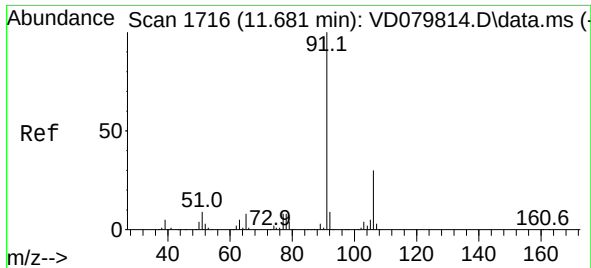
Ion Ratio Lower Upper

112 100

114 28.5 22.0 41.0

77 36.6 46.7 70.1#

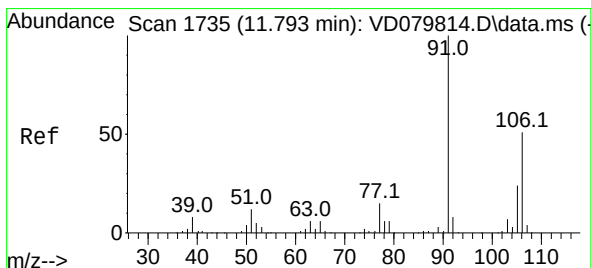
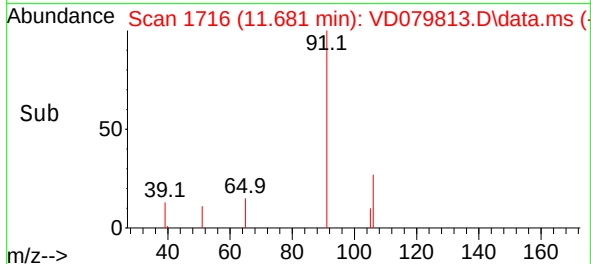
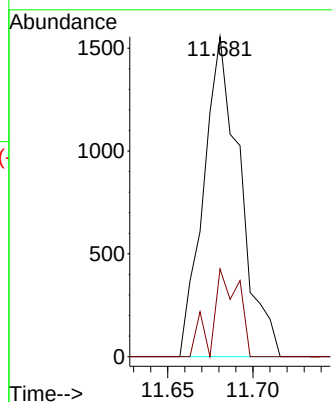
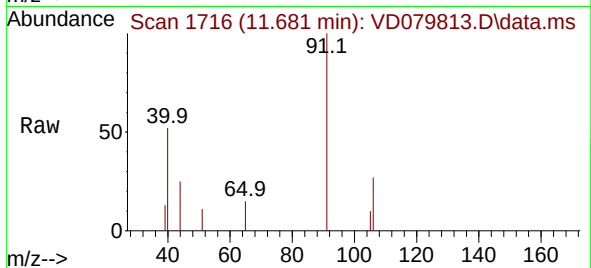




#52
Ethylbenzene
Concen: 0.148 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD079813.D
Acq: 10 Sep 2024 13:52

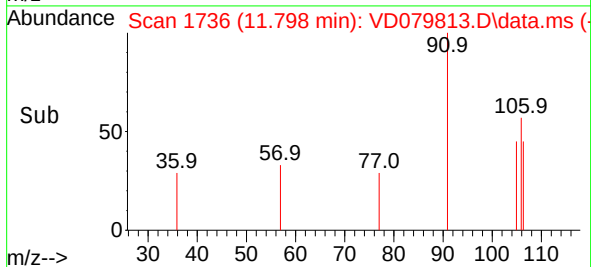
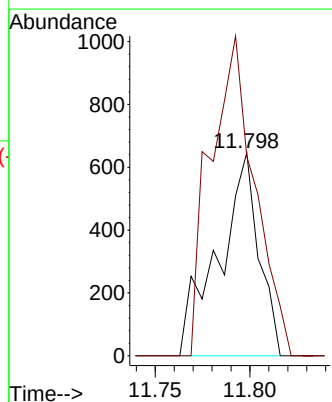
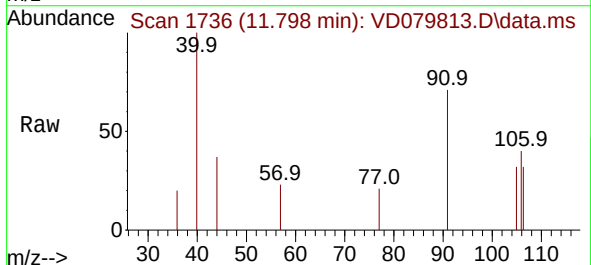
Instrument :
MSVOA_D
ClientSampleId :

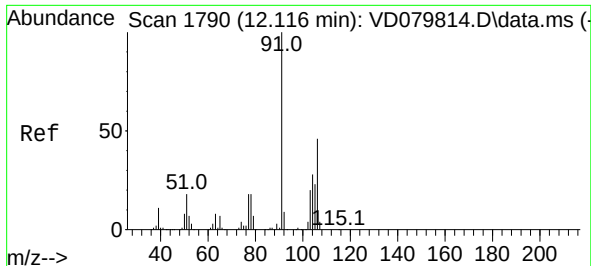
Tgt Ion: 91 Resp: 2321
Ion Ratio Lower Upper
91 100
106 27.4 21.3 39.5



#53
m,p-Xylene
Concen: 0.161 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD079813.D
Acq: 10 Sep 2024 13:52

Tgt Ion:106 Resp: 957
Ion Ratio Lower Upper
106 100
91 98.1 138.3 256.9#

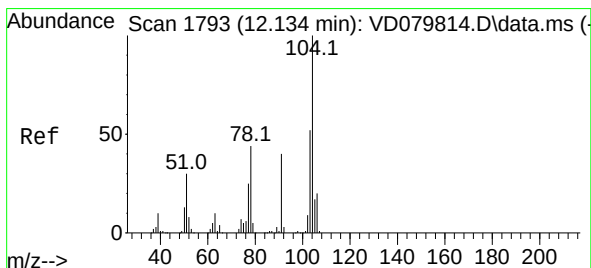
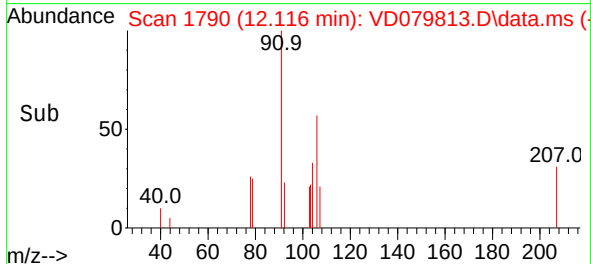
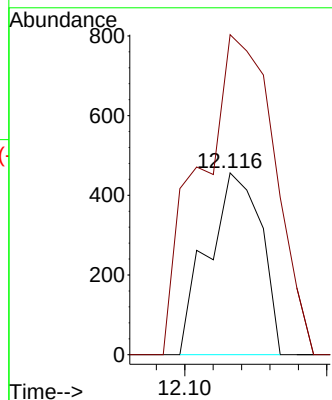
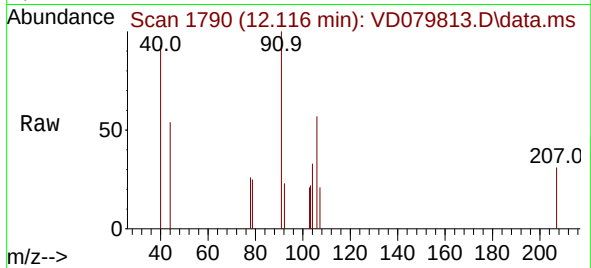




#54
o-Xylene
Concen: 0.102 ug/L
RT: 12.116 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VD079813.D
Acq: 10 Sep 2024 13:52

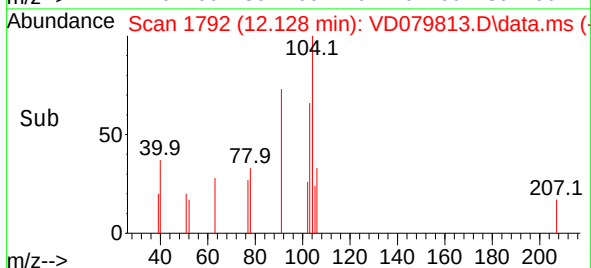
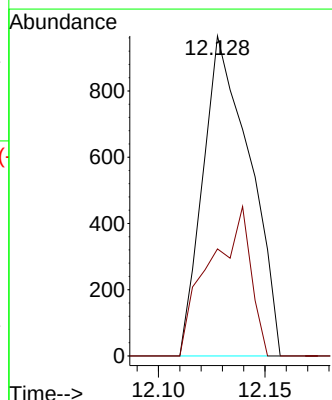
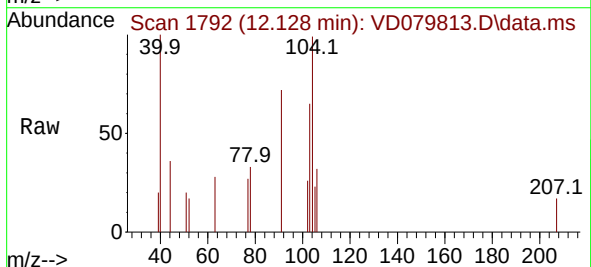
Instrument :
MSVOA_D
ClientSampleId :

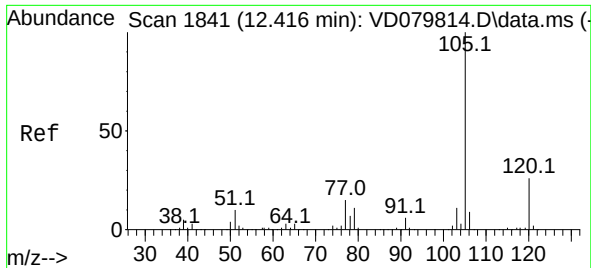
Tgt Ion:106 Resp: 595
Ion Ratio Lower Upper
106 100
91 176.1 152.6 283.4



#55
Styrene
Concen: 0.144 ug/L
RT: 12.128 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VD079813.D
Acq: 10 Sep 2024 13:52

Tgt Ion:104 Resp: 1475
Ion Ratio Lower Upper
104 100
78 33.4 30.7 57.1





#60

Isopropylbenzene

Concen: 0.134 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VD079813.D

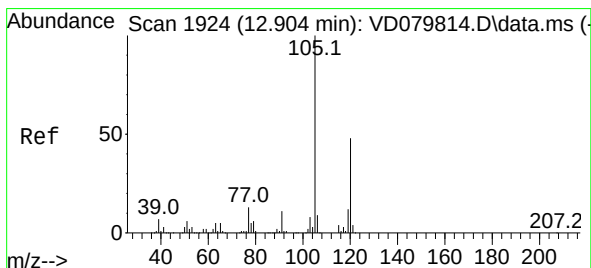
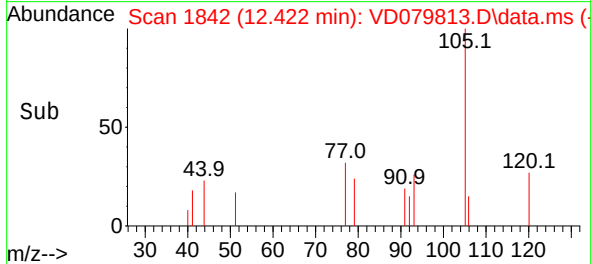
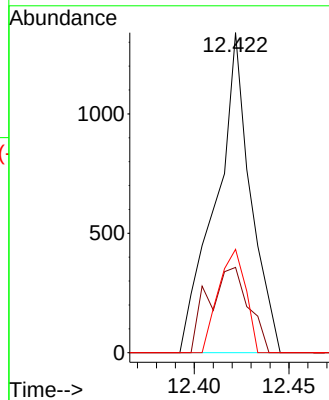
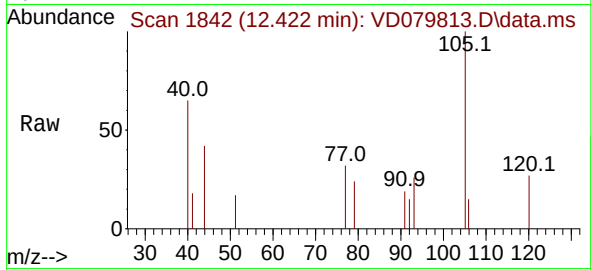
Acq: 10 Sep 2024 13:52

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:105	Resp:	1703
Ion Ratio	Lower	Upper
105	100	
120	31.1	20.9 31.3
77	25.5	12.6 19.0#



#62

1,3,5-Trimethylbenzene

Concen: 0.181 ug/L

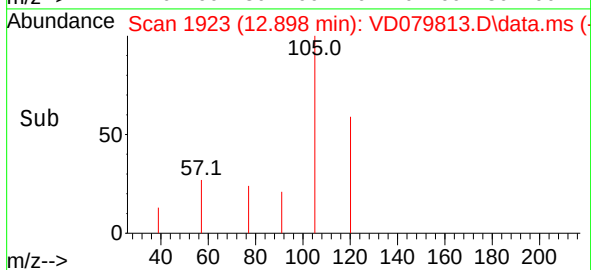
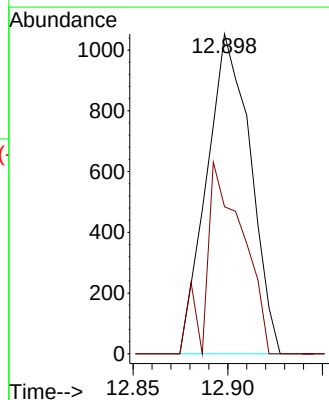
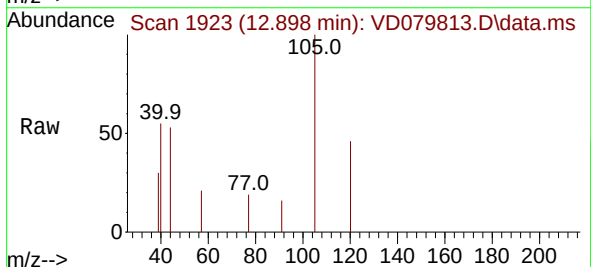
RT: 12.898 min Scan# 1923

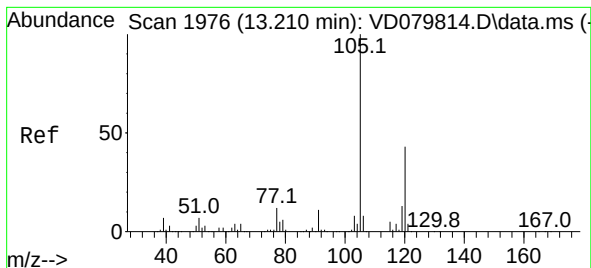
Delta R.T. -0.006 min

Lab File: VD079813.D

Acq: 10 Sep 2024 13:52

Tgt Ion:105	Resp:	1684
Ion Ratio	Lower	Upper
105	100	
120	45.9	38.3 57.5





#63

1,2,4-Trimethylbenzene

Concen: 0.172 ug/L

RT: 12.898 min Scan# 1976

Delta R.T. -0.312 min

Lab File: VD079813.D

Acq: 10 Sep 2024 13:52

Instrument :

MSVOA_D

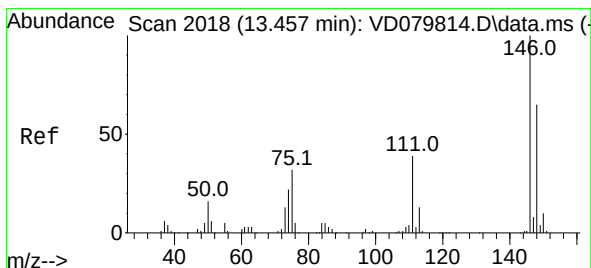
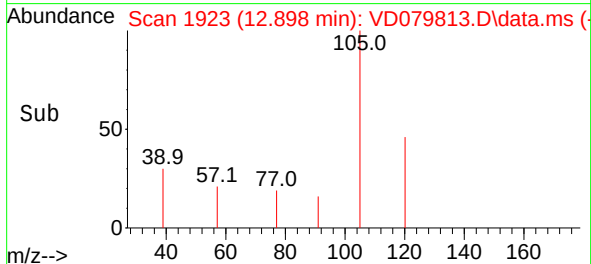
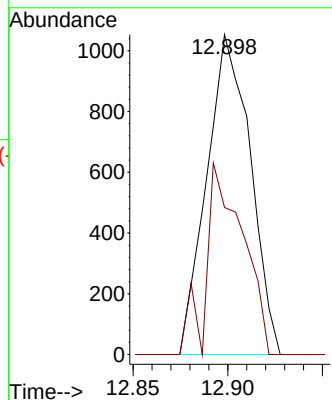
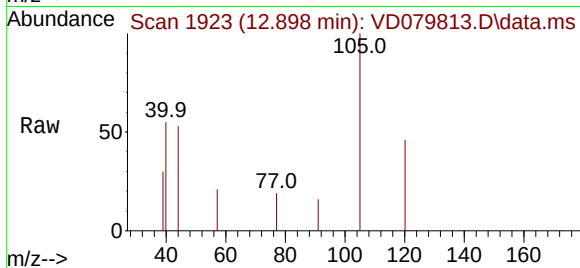
ClientSampleId :

Tgt Ion:105 Resp: 1684

Ion Ratio Lower Upper

105 100

120 45.9 36.3 54.5



#64

1,3-Dichlorobenzene

Concen: 0.386 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD079813.D

Acq: 10 Sep 2024 13:52

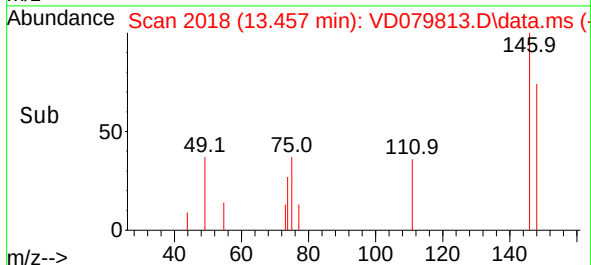
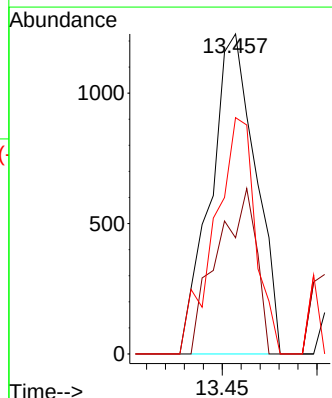
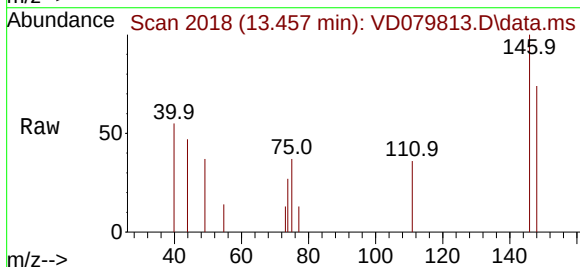
Tgt Ion:146 Resp: 2029

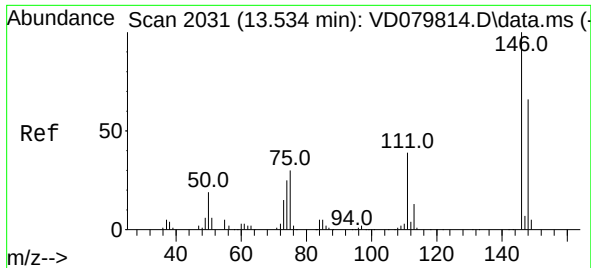
Ion Ratio Lower Upper

146 100

111 36.3 27.4 50.8

148 73.8 45.6 84.8





#65

1,4-Dichlorobenzene

Concen: 0.482 ug/L

RT: 13.534 min Scan# 2031

Delta R.T. -0.000 min

Lab File: VD079813.D

Acq: 10 Sep 2024 13:52

Instrument :

MSVOA_D

ClientSampleId :

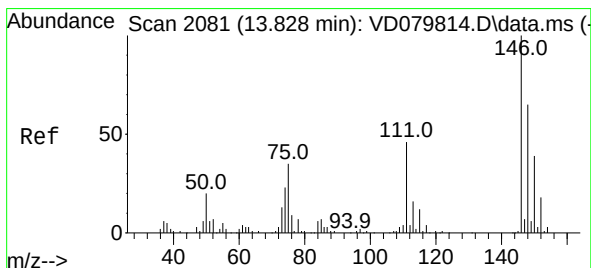
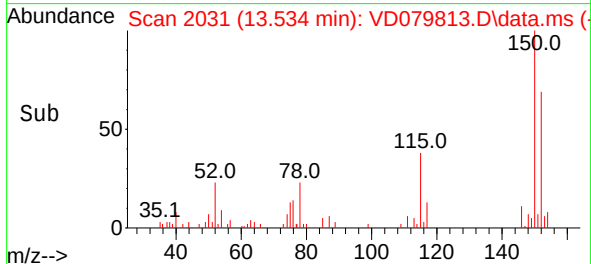
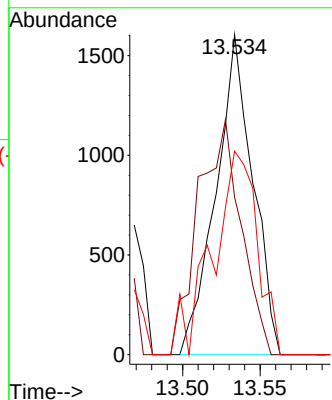
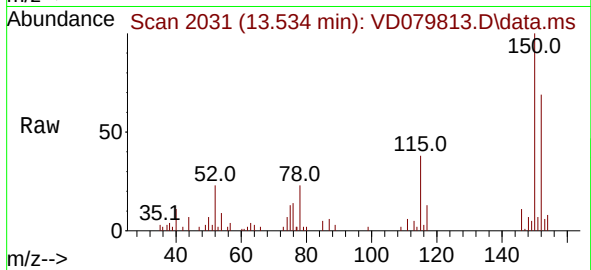
Tgt Ion:146 Resp: 2657

Ion Ratio Lower Upper

146 100

111 49.2 27.6 51.4

148 63.6 46.1 85.7



#67

1,2-Dichlorobenzene

Concen: 0.422 ug/L

RT: 13.833 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VD079813.D

Acq: 10 Sep 2024 13:52

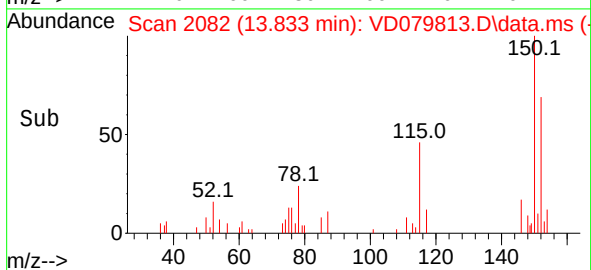
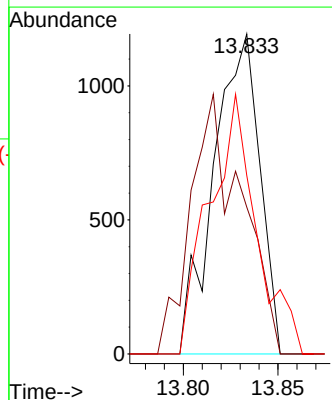
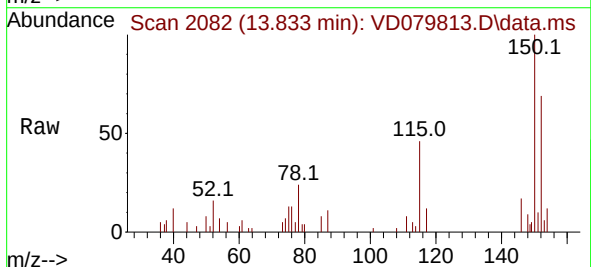
Tgt Ion:146 Resp: 2008

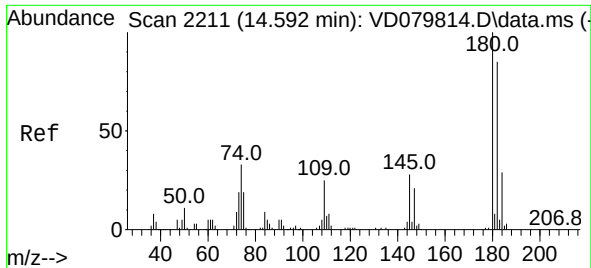
Ion Ratio Lower Upper

146 100

111 45.9 36.9 55.3

148 78.4 51.8 77.8#





#69

1,3,5-Trichlorobenzene

Concen: 0.591 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. -0.000 min

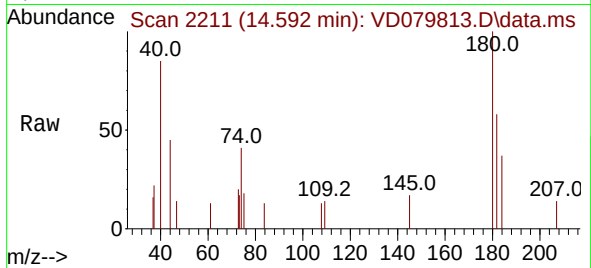
Lab File: VD079813.D

Acq: 10 Sep 2024 13:52

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 1886

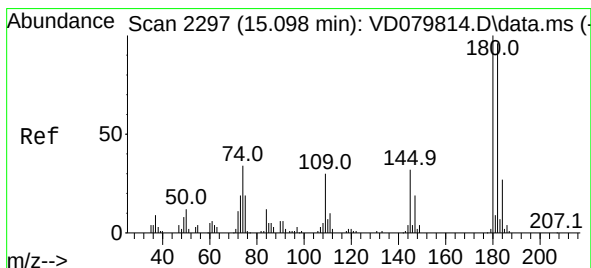
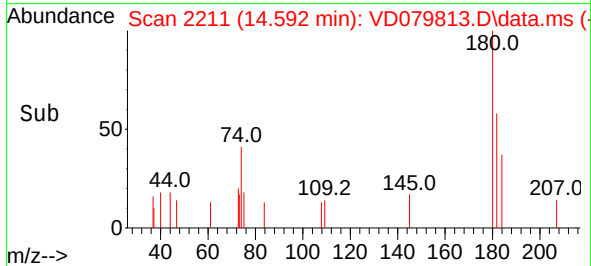
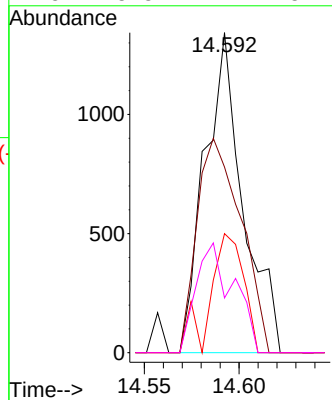
Ion Ratio Lower Upper

180 100

182 77.3 72.6 109.0

184 28.6 24.2 36.2

145 23.8 24.7 37.1#



#70

1,2,4-trichlorobenzene

Concen: 0.850 ug/L

RT: 15.092 min Scan# 2296

Delta R.T. -0.006 min

Lab File: VD079813.D

Acq: 10 Sep 2024 13:52

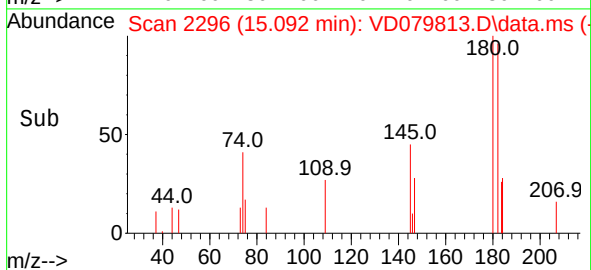
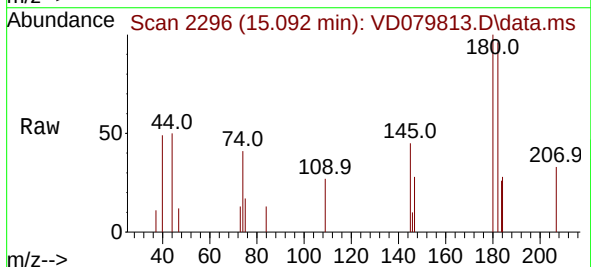
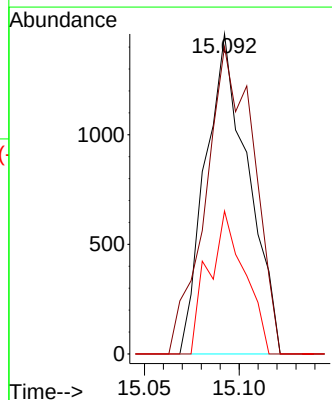
Tgt Ion:180 Resp: 2284

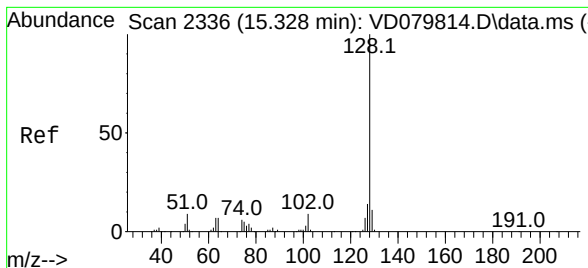
Ion Ratio Lower Upper

180 100

182 108.6 75.9 113.9

145 38.0 26.6 40.0





#71

Naphthalene

Concen: 1.166 ug/L

RT: 15.328 min Scan# 2336

Delta R.T. -0.000 min

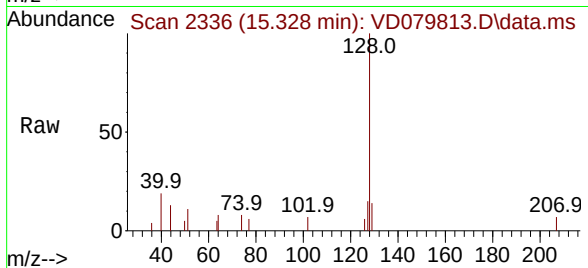
Lab File: VD079813.D

Acq: 10 Sep 2024 13:52

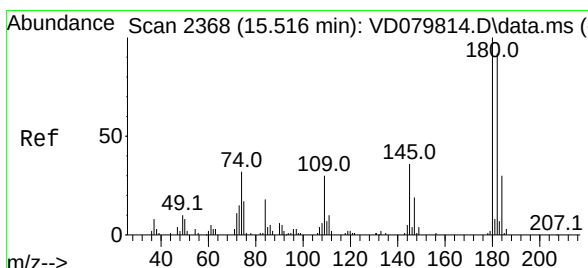
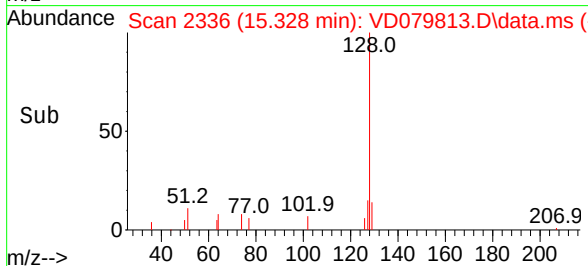
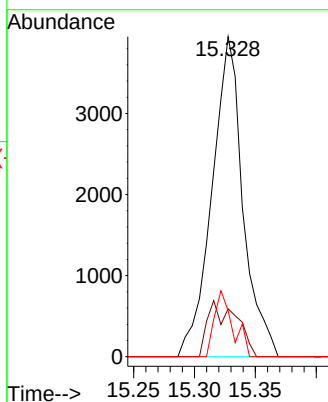
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	128	Resp:	6995
Ion Ratio	Lower	Upper	
128	100		
127	8.5	11.2	16.8#
129	12.2	8.6	13.0



#72

1,2,3-Trichlorobenzene

Concen: 1.181 ug/L

RT: 15.516 min Scan# 2368

Delta R.T. -0.000 min

Lab File: VD079813.D

Acq: 10 Sep 2024 13:52

Tgt Ion:	180	Resp:	2837
Ion Ratio	Lower	Upper	
180	100		
182	89.7	74.1	111.1
145	13.4	26.4	39.6#

