

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091224\
 Data File : VD079824.D
 Acq On : 12 Sep 2024 10:55
 Operator : RP/MD
 Sample : VD0912SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 13 00:17:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM091024SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 13 00:16:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	156475	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.580	117	155000	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	60810	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	163986	24.101	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.400%
7) Chloroethane-d5	2.799	69	137580	25.539	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.160%
11) 1,1-Dichloroethene-d2	3.916	65	30456	24.653	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.600%
21) 2-Butanone-d5	6.987	46	30137	47.672	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.340%
24) Chloroform-d	7.569	84	132013	25.666	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.680%
26) 1,2-Dichloroethane-d4	8.228	65	73057	27.162	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.640%
32) Benzene-d6	8.204	84	287079	26.234	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.920%
36) 1,2-Dichloropropane-d6	9.204	67	89396	26.674	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.680%
41) Toluene-d8	10.269	98	260838	27.088	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.360%
43) trans-1,3-Dichloroprop...	10.522	79	35584	24.696	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.800%
47) 2-Hexanone-d5	10.875	63	25582	46.825	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.640%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	61137	24.824	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.280%
66) 1,2-Dichlorobenzene-d4	13.810	152	66849	29.150	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	116.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.281	62	1733	0.270	ug/L #	1
6) Bromomethane	2.693	94	801	0.248	ug/L	89
25) Chloroform	7.598	83	10229	1.953	ug/L	84
31) Carbon tetrachloride	7.992	117	325	0.087	ug/L #	56
42) Toluene	10.328	91	2183	0.180	ug/L	99
51) Chlorobenzene	11.598	112	1065	0.146	ug/L #	76
52) Ethylbenzene	11.680	91	2098	0.164	ug/L	88
53) m,p-Xylene	11.780	106	862	0.178	ug/L	62
54) o-Xylene	12.116	106	458	0.097	ug/L	83
55) Styrene	12.127	104	1133	0.136	ug/L #	74
60) Isopropylbenzene	12.416	105	1334	0.127	ug/L #	78
62) 1,3,5-Trimethylbenzene	13.216	105	1429	0.186	ug/L	97
63) 1,2,4-Trimethylbenzene	13.216	105	1429	0.177	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	928	0.214	ug/L	82
65) 1,4-Dichlorobenzene	13.533	146	998	0.219	ug/L #	68
67) 1,2-Dichlorobenzene	13.827	146	885	0.226	ug/L #	55
69) 1,3,5-Trichlorobenzene	14.592	180	657	0.250	ug/L #	25
70) 1,2,4-trichlorobenzene	15.092	180	596	0.269	ug/L #	67

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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Sep 13 00:17:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM091024SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Sep 13 00:16:14 2024
Response via : Initial Calibration

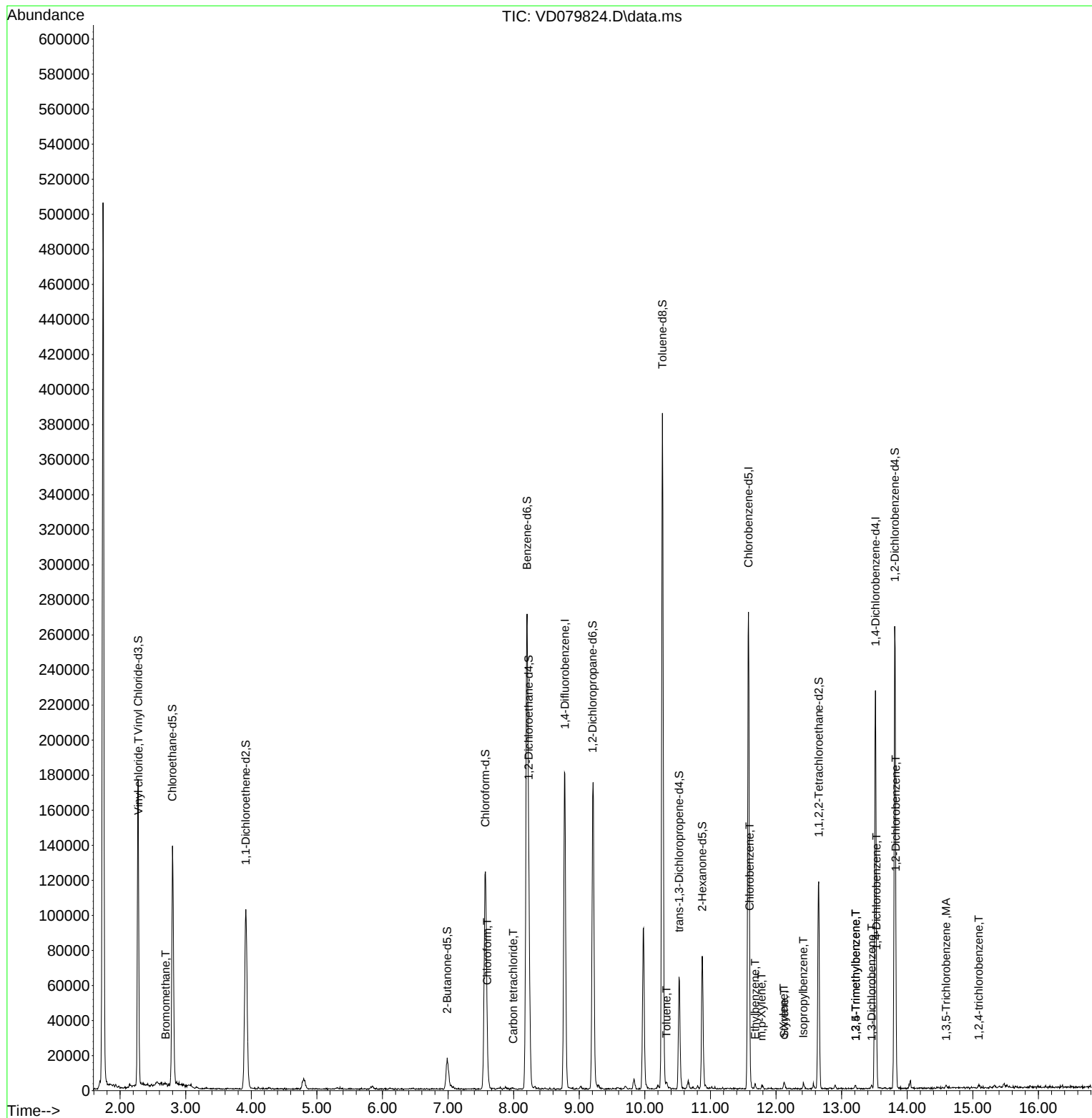
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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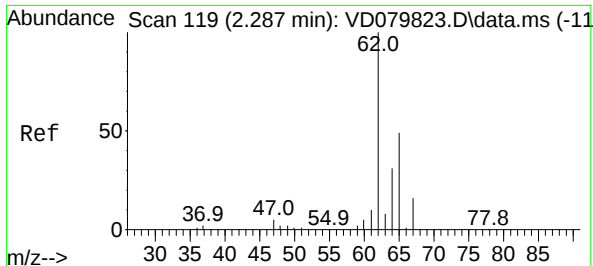
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

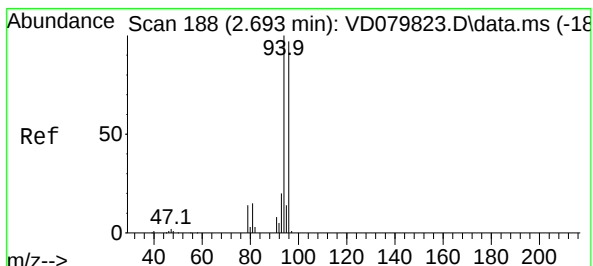
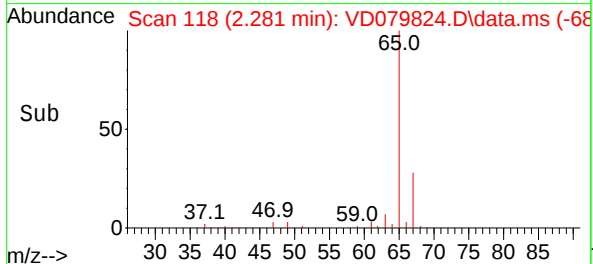
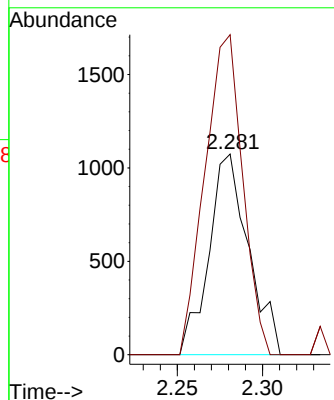
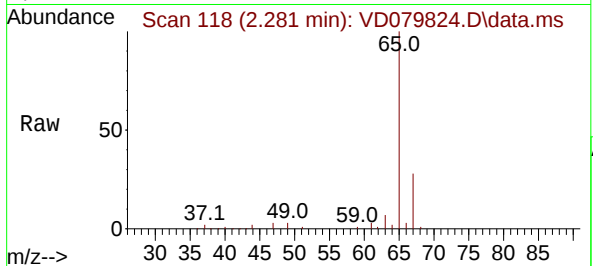




#5
 Vinyl chloride
 Concen: 0.270 ug/L
 RT: 2.281 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD079824.D
 Acq: 12 Sep 2024 10:55

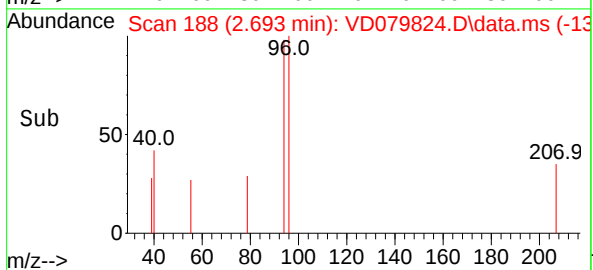
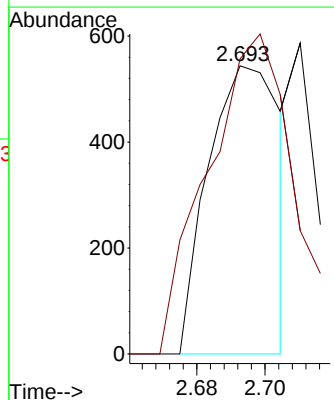
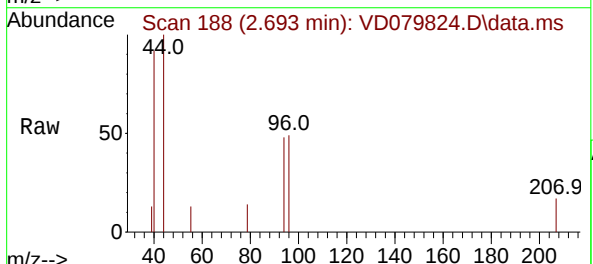
Instrument :
 MSVOA_D
 ClientSampleId :

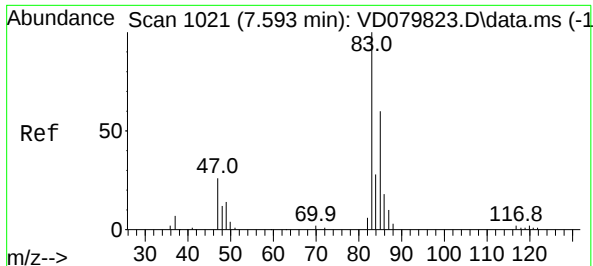
Tgt Ion: 62 Resp: 1733
 Ion Ratio Lower Upper
 62 100
 64 159.5 22.6 42.0#



#6
 Bromomethane
 Concen: 0.248 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.000 min
 Lab File: VD079824.D
 Acq: 12 Sep 2024 10:55

Tgt Ion: 94 Resp: 801
 Ion Ratio Lower Upper
 94 100
 96 102.4 64.3 119.5

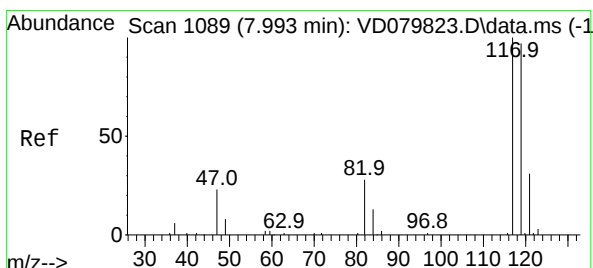
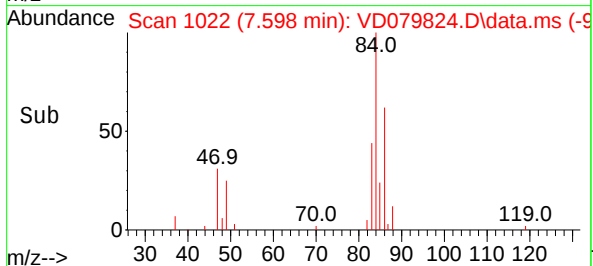
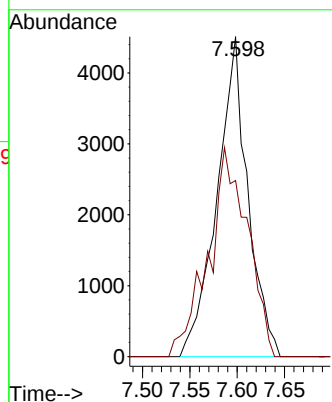
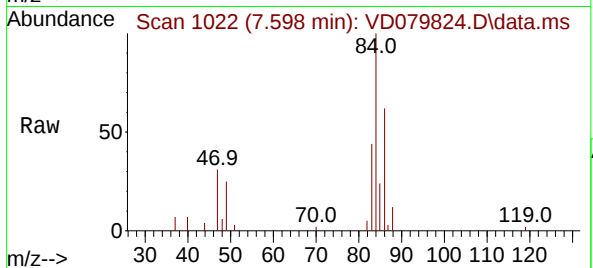




#25
Chloroform
Concen: 1.953 ug/L
RT: 7.598 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VD079824.D
Acq: 12 Sep 2024 10:55

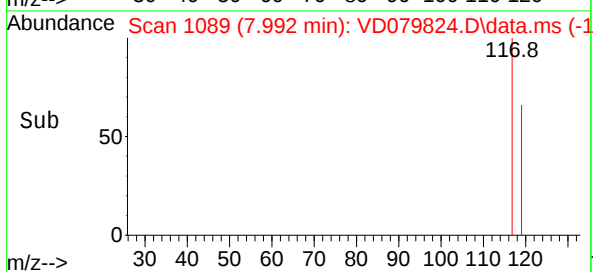
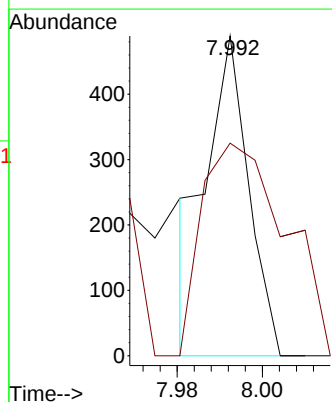
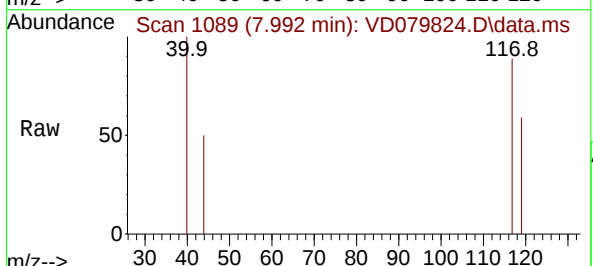
Instrument :
MSVOA_D
ClientSampleId :

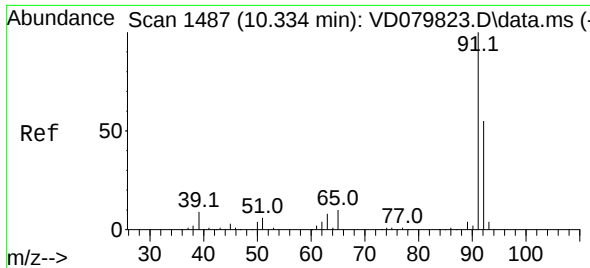
Tgt Ion: 83 Resp: 10229
Ion Ratio Lower Upper
83 100
85 55.1 47.3 87.9



#31
Carbon tetrachloride
Concen: 0.087 ug/L
RT: 7.992 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD079824.D
Acq: 12 Sep 2024 10:55

Tgt Ion: 117 Resp: 325
Ion Ratio Lower Upper
117 100
119 137.5 76.0 114.0#





#42

Toluene

Concen: 0.180 ug/L

RT: 10.328 min Scan# 1486

Delta R.T. -0.006 min

Lab File: VD079824.D

Acq: 12 Sep 2024 10:55

Instrument :

MSVOA_D

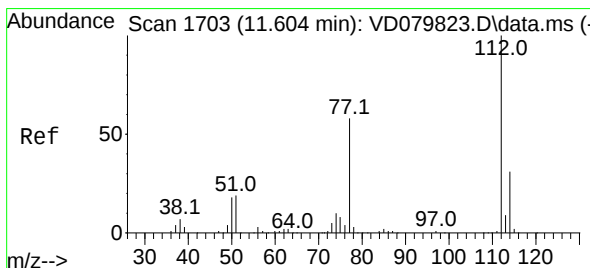
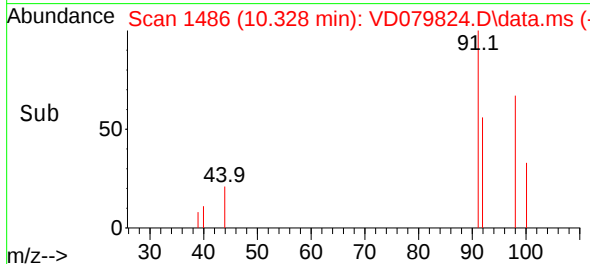
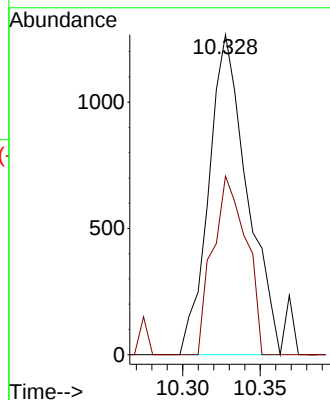
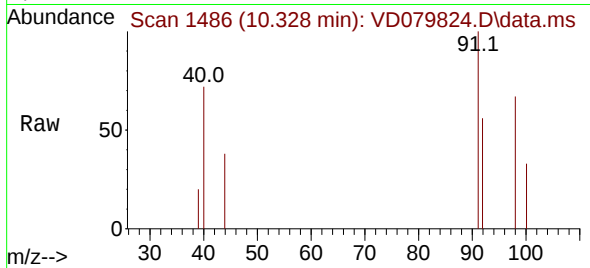
ClientSampleId :

Tgt Ion: 91 Resp: 2183

Ion Ratio Lower Upper

91 100

92 55.8 38.6 71.8



#51

Chlorobenzene

Concen: 0.146 ug/L

RT: 11.598 min Scan# 1702

Delta R.T. -0.006 min

Lab File: VD079824.D

Acq: 12 Sep 2024 10:55

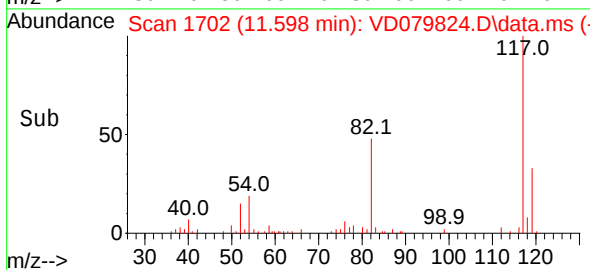
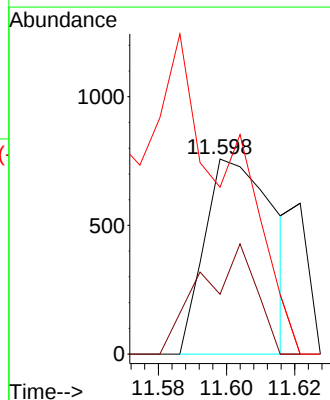
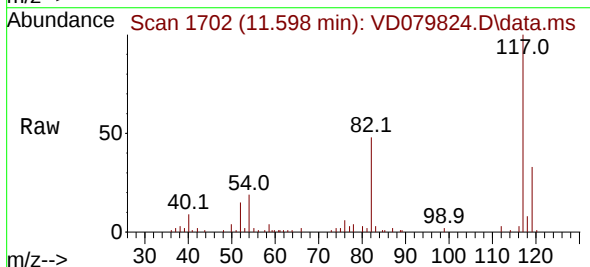
Tgt Ion: 112 Resp: 1065

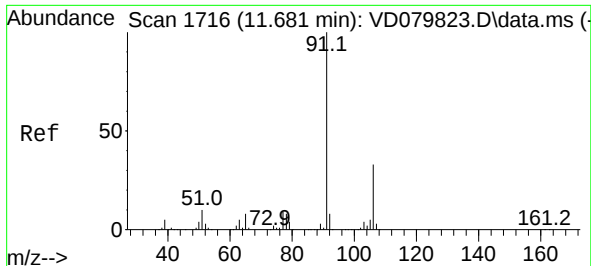
Ion Ratio Lower Upper

112 100

114 30.6 22.0 41.0

77 85.5 46.7 70.1#





#52

Ethylbenzene

Concen: 0.164 ug/L

RT: 11.680 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD079824.D

Acq: 12 Sep 2024 10:55

Instrument :

MSVOA_D

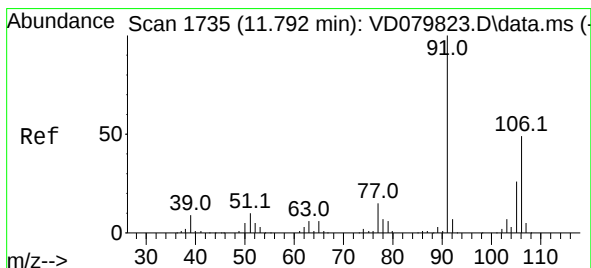
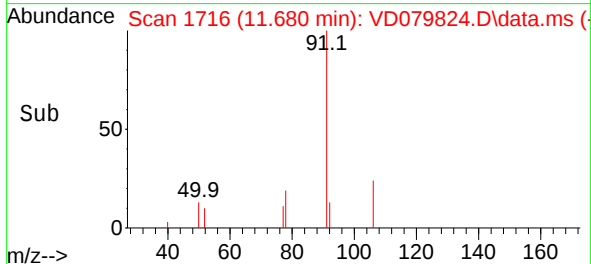
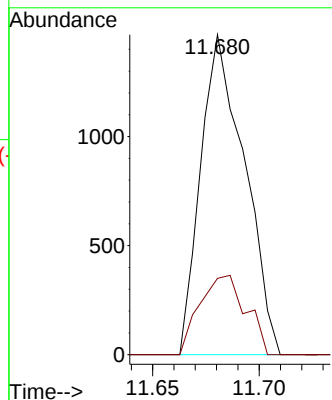
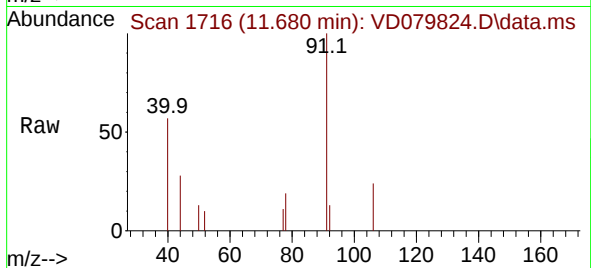
ClientSampleId :

Tgt Ion: 91 Resp: 2098

Ion Ratio Lower Upper

91 100

106 23.9 21.3 39.5



#53

m,p-Xylene

Concen: 0.178 ug/L

RT: 11.780 min Scan# 1733

Delta R.T. -0.012 min

Lab File: VD079824.D

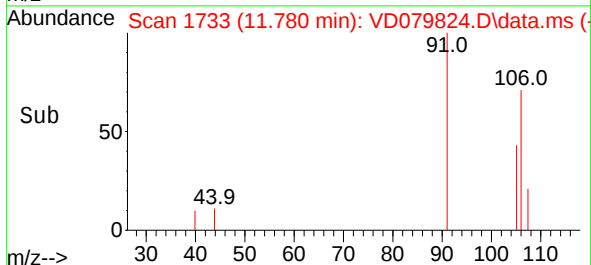
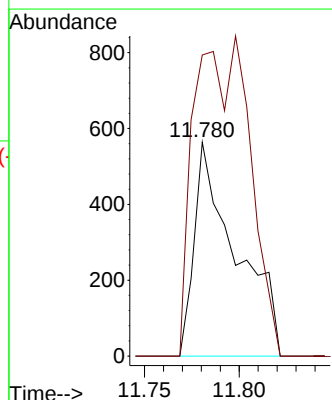
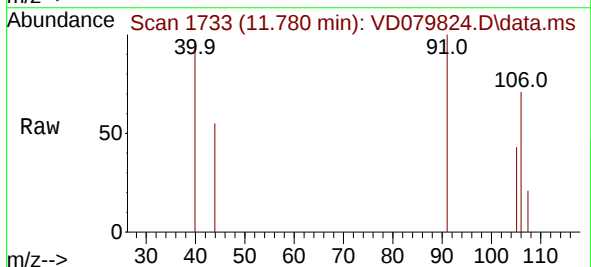
Acq: 12 Sep 2024 10:55

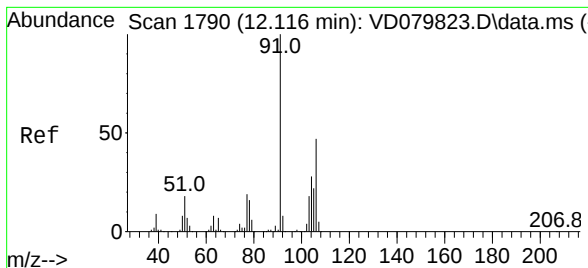
Tgt Ion:106 Resp: 862

Ion Ratio Lower Upper

106 100

91 140.8 138.3 256.9





#54

o-Xylene

Concen: 0.097 ug/L

RT: 12.116 min Scan# 1790

Delta R.T. -0.000 min

Lab File: VD079824.D

Acq: 12 Sep 2024 10:55

Instrument :

MSVOA_D

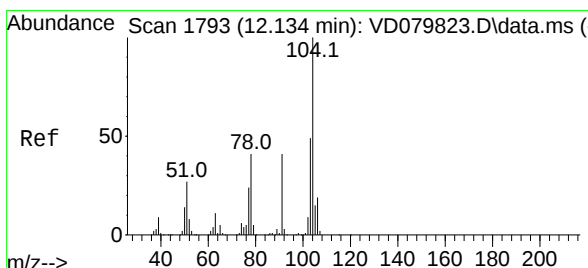
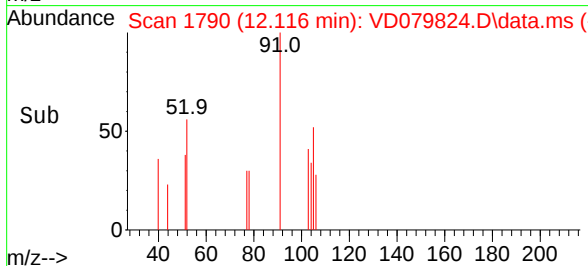
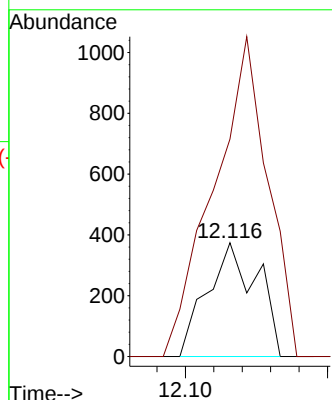
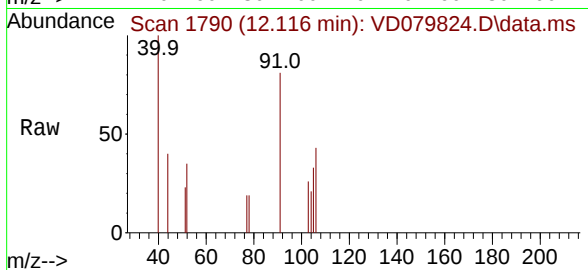
ClientSampleId :

Tgt Ion:106 Resp: 458

Ion Ratio Lower Upper

106 100

91 191.2 152.6 283.4



#55

Styrene

Concen: 0.136 ug/L

RT: 12.127 min Scan# 1792

Delta R.T. -0.006 min

Lab File: VD079824.D

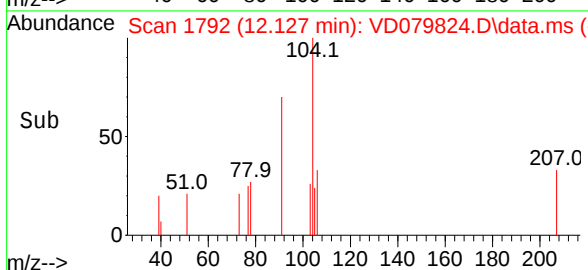
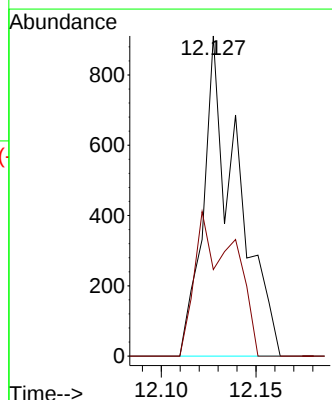
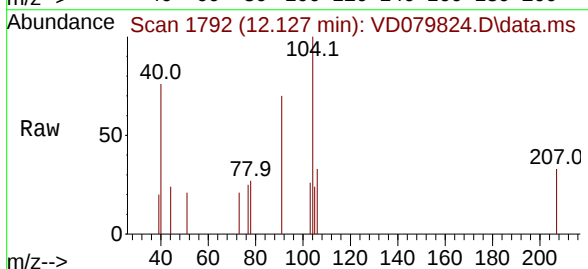
Acq: 12 Sep 2024 10:55

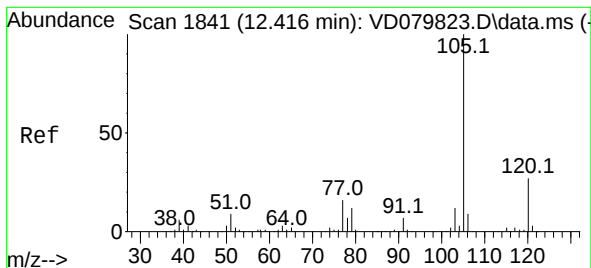
Tgt Ion:104 Resp: 1133

Ion Ratio Lower Upper

104 100

78 27.0 30.7 57.1#





#60

Isopropylbenzene

Concen: 0.127 ug/L

RT: 12.416 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD079824.D

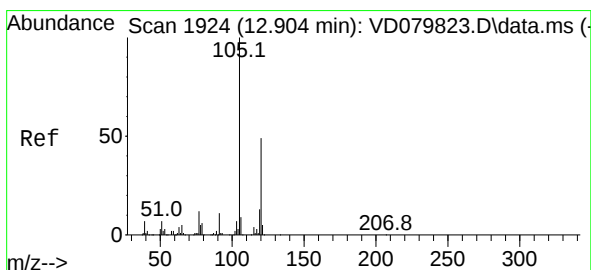
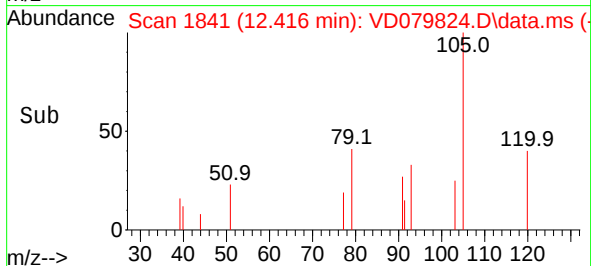
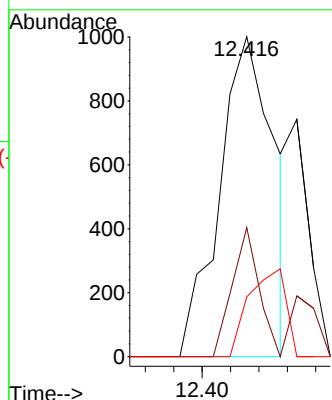
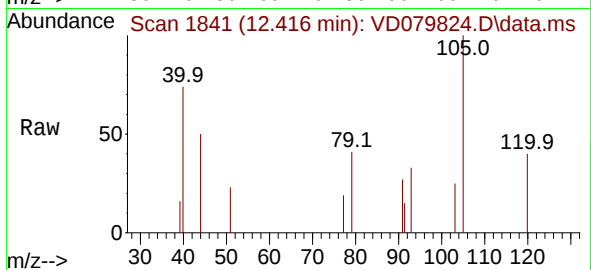
Acq: 12 Sep 2024 10:55

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:105	Resp:	1334
Ion Ratio	Lower	Upper
105	100	
120	19.9	20.9 31.3#
77	0.0	12.6 19.0#



#62

1,3,5-Trimethylbenzene

Concen: 0.186 ug/L

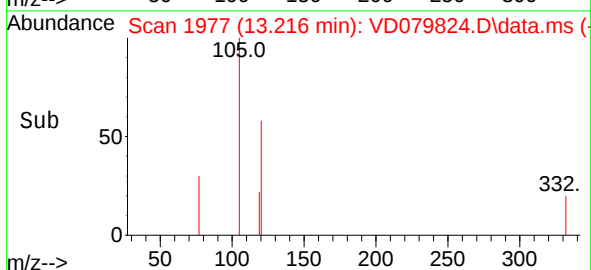
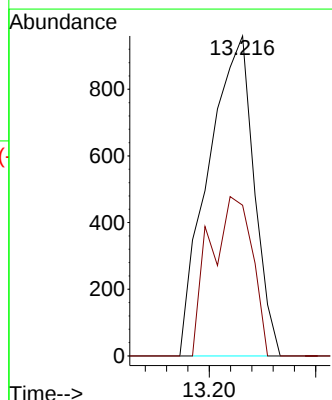
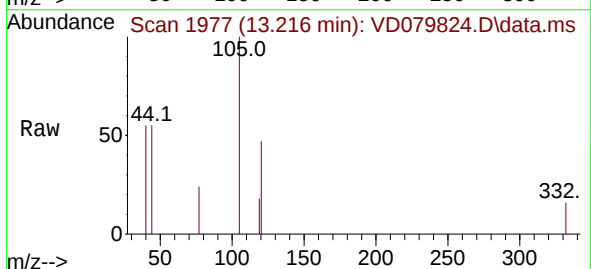
RT: 13.216 min Scan# 1977

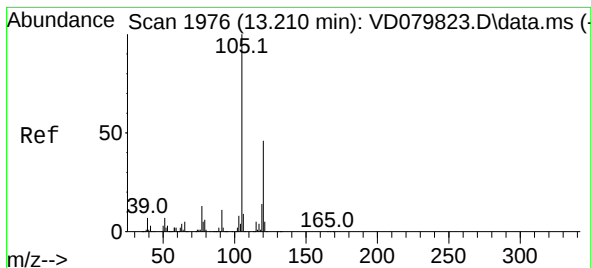
Delta R.T. 0.312 min

Lab File: VD079824.D

Acq: 12 Sep 2024 10:55

Tgt Ion:105	Resp:	1429
Ion Ratio	Lower	Upper
105	100	
120	46.1	38.3 57.5





#63

1,2,4-Trimethylbenzene

Concen: 0.177 ug/L

RT: 13.216 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VD079824.D

Acq: 12 Sep 2024 10:55

Instrument :

MSVOA_D

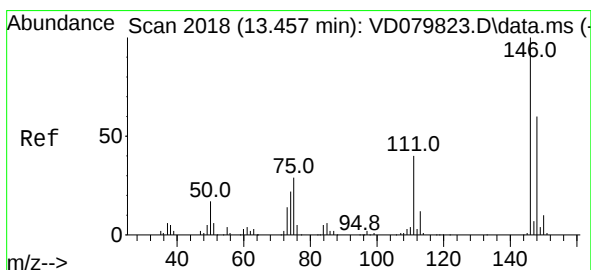
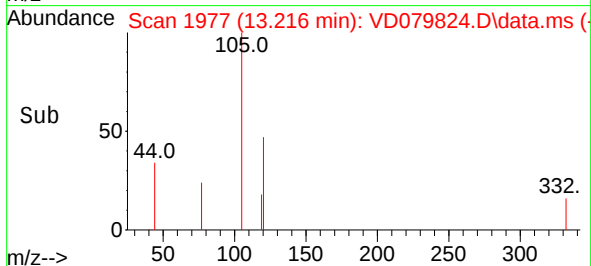
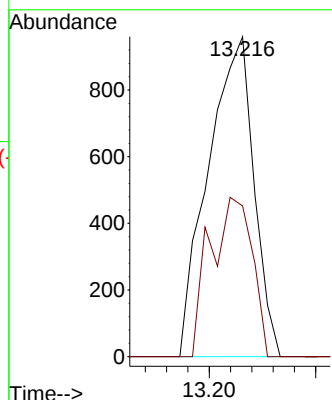
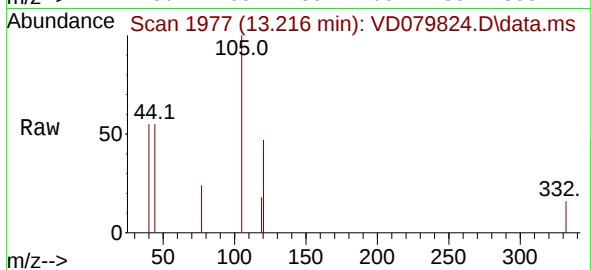
ClientSampleId :

Tgt Ion:105 Resp: 1429

Ion Ratio Lower Upper

105 100

120 46.1 36.3 54.5



#64

1,3-Dichlorobenzene

Concen: 0.214 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD079824.D

Acq: 12 Sep 2024 10:55

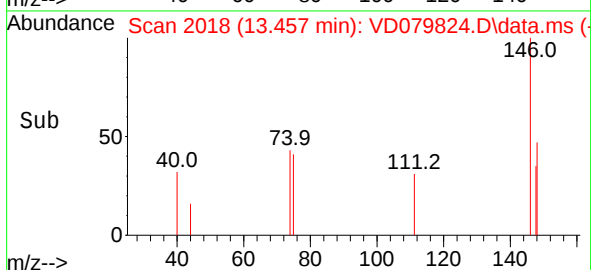
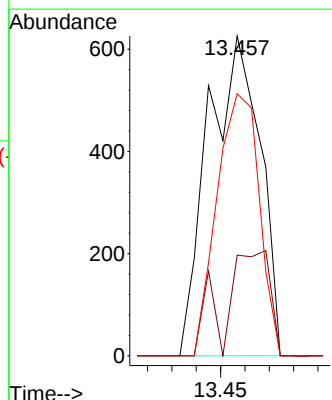
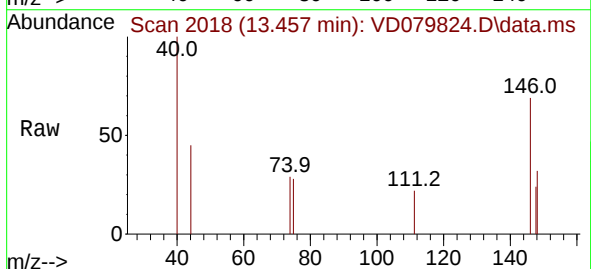
Tgt Ion:146 Resp: 928

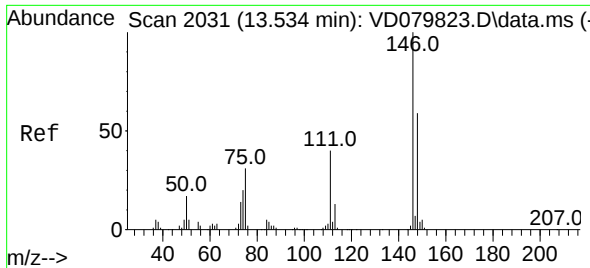
Ion Ratio Lower Upper

146 100

111 31.5 27.4 50.8

148 81.9 45.6 84.8

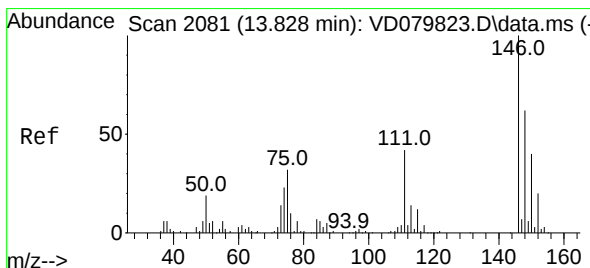
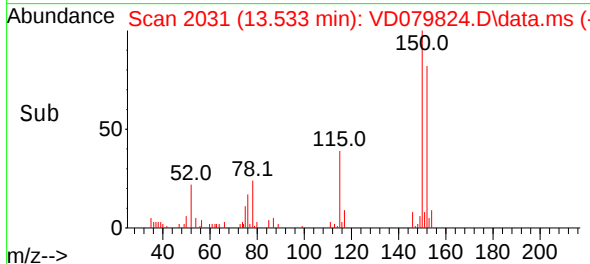
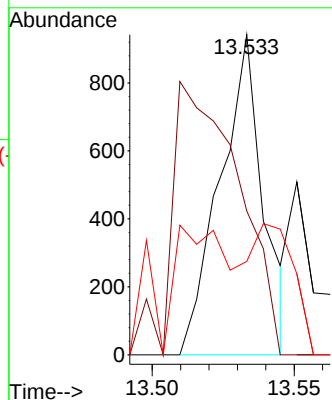
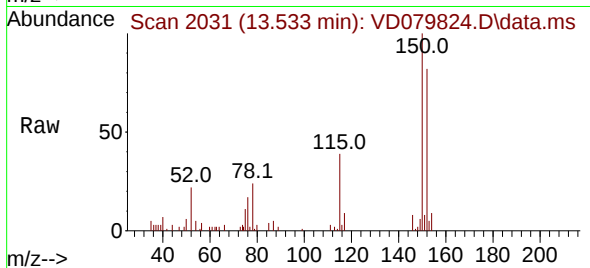




#65
1,4-Dichlorobenzene
Concen: 0.219 ug/L
RT: 13.533 min Scan# 2031
Delta R.T. -0.000 min
Lab File: VD079824.D
Acq: 12 Sep 2024 10:55

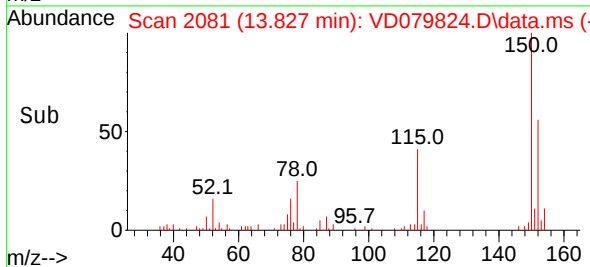
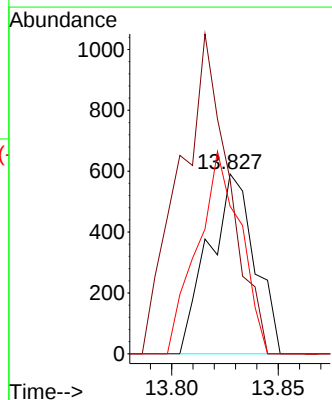
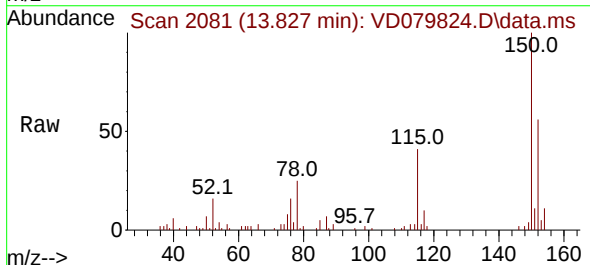
Instrument :
MSVOA_D
ClientSampleId :

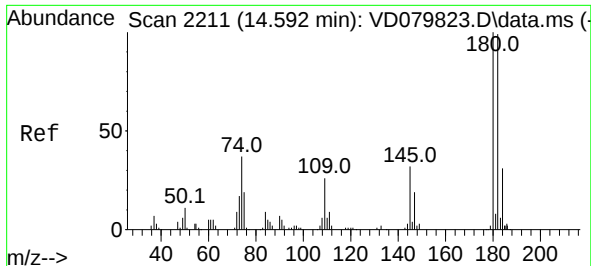
Tgt Ion:146 Resp: 998
Ion Ratio Lower Upper
146 100
111 44.9 27.6 51.4
148 29.2 46.1 85.7#



#67
1,2-Dichlorobenzene
Concen: 0.226 ug/L
RT: 13.827 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VD079824.D
Acq: 12 Sep 2024 10:55

Tgt Ion:146 Resp: 885
Ion Ratio Lower Upper
146 100
111 96.8 36.9 55.3#
148 82.1 51.8 77.8#





#69

1,3,5-Trichlorobenzene

Concen: 0.250 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. -0.000 min

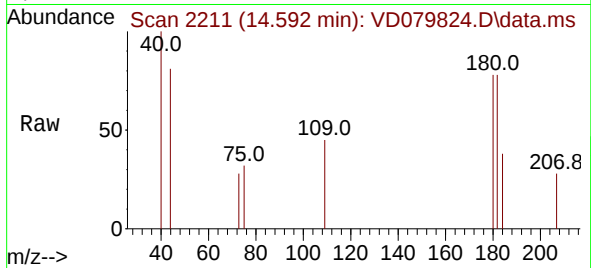
Lab File: VD079824.D

Acq: 12 Sep 2024 10:55

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 657

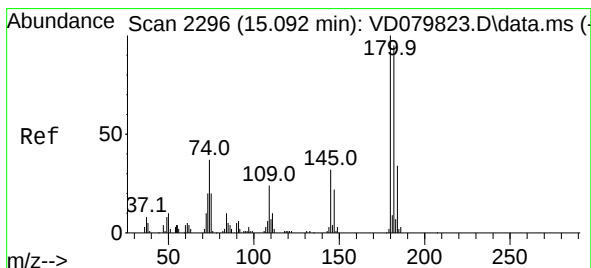
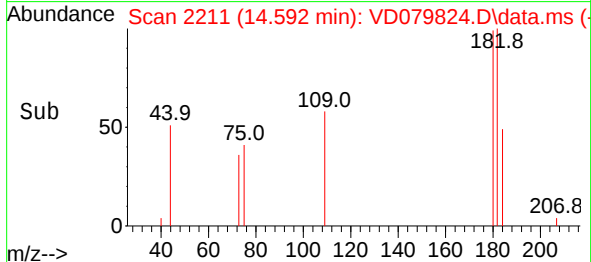
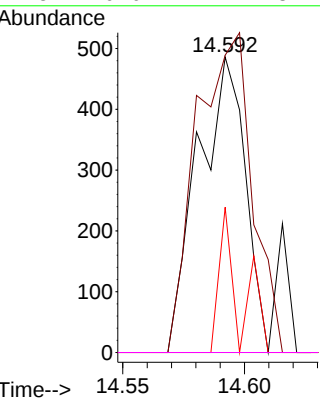
Ion Ratio Lower Upper

180 100

182 0.0 72.6 109.0#

184 12.8 24.2 36.2#

145 0.0 24.7 37.1#



#70

1,2,4-trichlorobenzene

Concen: 0.269 ug/L

RT: 15.092 min Scan# 2296

Delta R.T. -0.000 min

Lab File: VD079824.D

Acq: 12 Sep 2024 10:55

Tgt Ion:180 Resp: 596

Ion Ratio Lower Upper

180 100

182 71.5 75.9 113.9#

145 0.0 26.6 40.0#

