

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062724\
 Data File : VD079275.D
 Acq On : 27 Jun 2024 15:03
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 06:34:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM062724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 28 06:29:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	0.000	114	0	0.000	ug/L	-8.78
28) Chlorobenzene-d5	11.587	117	463	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	431	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	389	0.000	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.000%#
7) Chloroethane-d5	0.000	69	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.000%#
11) 1,1-Dichloroethene-d2	0.000	65	0	0.000	ug/L	
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.000%#
21) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.000%#
24) Chloroform-d	0.000	84	0	0.000	ug/L	
Spiked Amount	25.000	Range	40 - 150	Recovery	=	0.000%#
26) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/L	
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.000%#
32) Benzene-d6	8.199	84	154	5.505	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	22.000%
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	25.000	Range	70 - 120	Recovery	=	0.000%#
41) Toluene-d8	10.269	98	553	21.839	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.360%
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	25.000	Range	30 - 135	Recovery	=	0.000%#
47) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.000%#
56) 1,1,2,2-Tetrachloroeth...	12.640	84	409	49.826	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 120	Recovery	=	199.320%#
66) 1,2-Dichlorobenzene-d4	13.522	152	431	25.769	ug/L	-0.29
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.080%
Target Compounds						
					Qvalue	
33) Benzene	8.240	78	387	13.378	ug/L	100
39) cis-1,3-Dichloropropene	10.010	75	186	16.769	ug/L #	42
42) Toluene	10.334	91	634	20.596	ug/L #	21
44) trans-1,3-Dichloropropene	10.551	75	229	23.629	ug/L #	44
46) Tetrachloroethene	10.816	164	119	21.137	ug/L #	1
51) Chlorobenzene	11.610	112	855	40.986	ug/L #	87
52) Ethylbenzene	11.681	91	837	26.345	ug/L	88
53) m,p-Xylene	11.793	106	269	21.468	ug/L	72
54) o-Xylene	12.122	106	126	10.005	ug/L #	43
55) Styrene	12.128	104	650	28.858	ug/L #	67
57) 1,1,2,2-Tetrachloroethane	12.675	83	79	9.975	ug/L #	25
60) Isopropylbenzene	12.410	105	869	15.449	ug/L #	93
61) 1,2,3-Trichloropropane	12.722	75	234	25.595	ug/L #	36
62) 1,3,5-Trimethylbenzene	12.904	105	963	24.060	ug/L #	56
63) 1,2,4-Trimethylbenzene	13.210	105	1223	28.064	ug/L #	69
64) 1,3-Dichlorobenzene	13.457	146	1460	51.696	ug/L #	78
65) 1,4-Dichlorobenzene	13.539	146	1701	57.119	ug/L #	67
67) 1,2-Dichlorobenzene	13.834	146	1327	48.641	ug/L	99
69) 1,3,5-Trichlorobenzene	14.592	180	1583	89.805	ug/L #	91

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Quant Title : SFAM01.0
QLast Update : Fri Jun 28 06:29:36 2024
Response via : Initial Calibration

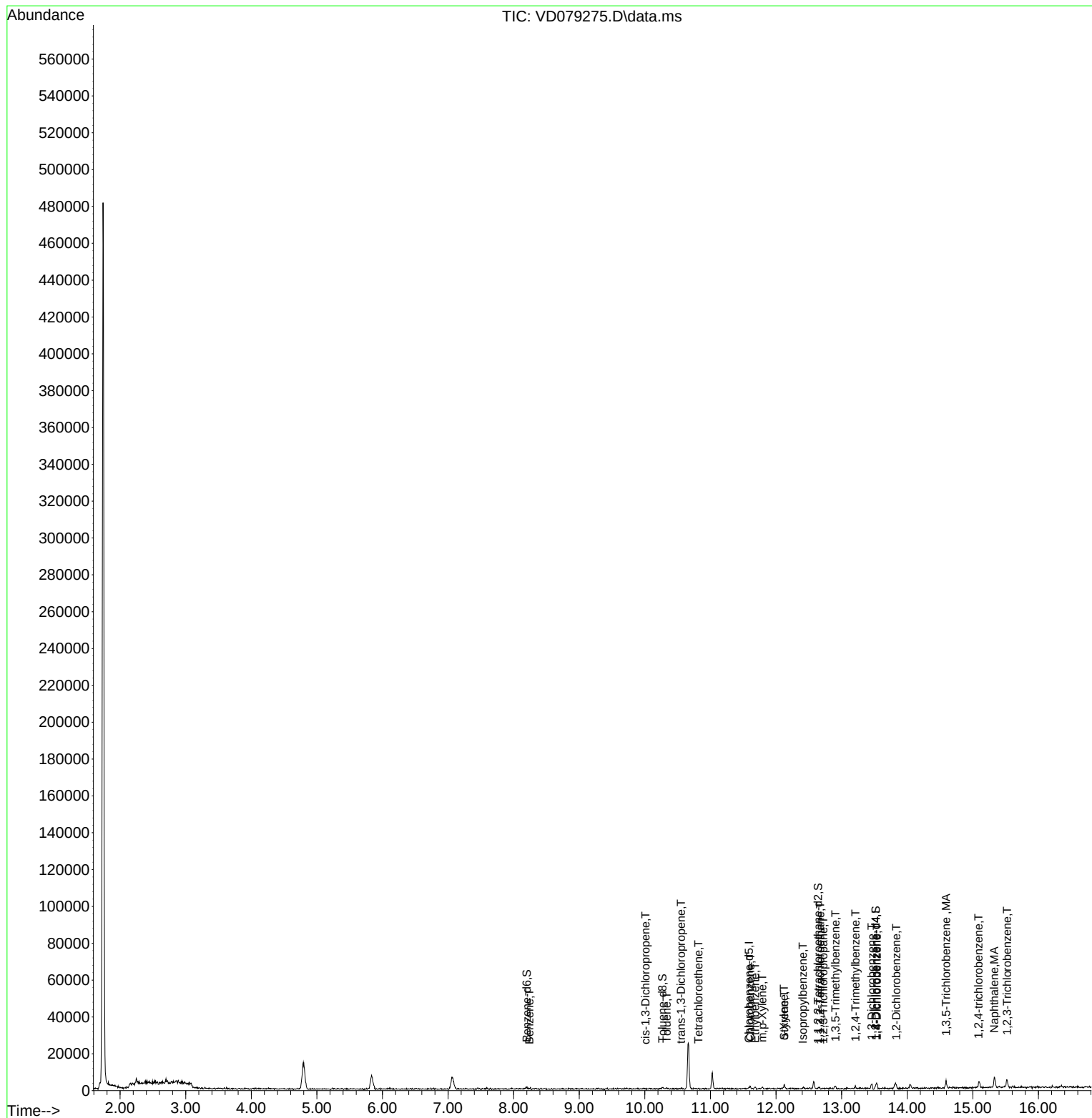
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	15.086	180	1122	76.766	ug/L #	71
71) Naphthalene	15.328	128	6055	190.847	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.522	180	1941	139.692	ug/L #	93

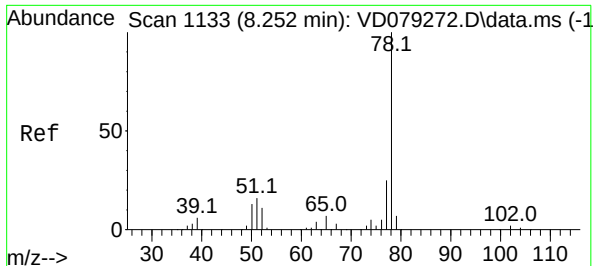
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM062724SMA.M
Quant Title : SFAM01.0
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Response via : Initial Calibration





#33

Benzene

Concen: 13.378 ug/L

RT: 8.240 min Scan# 1133

Delta R.T. -0.012 min

Lab File: VD079275.D

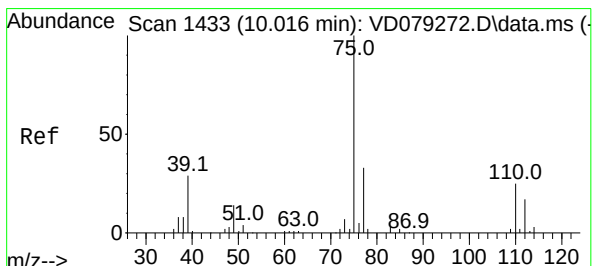
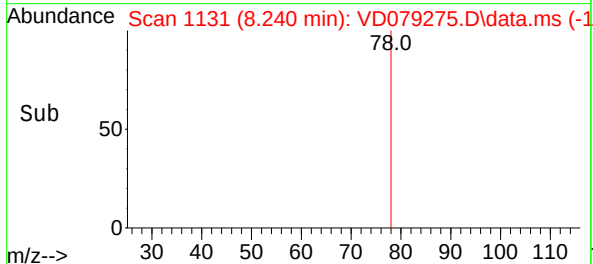
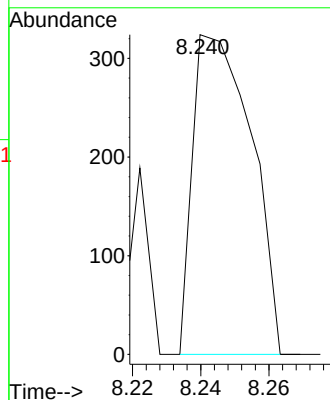
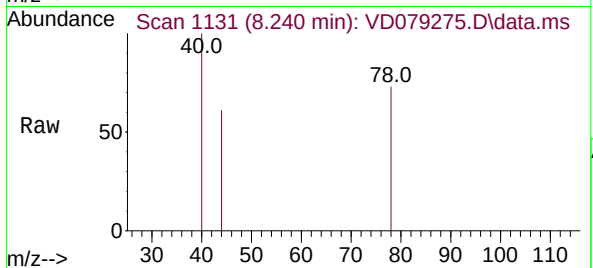
Acq: 27 Jun 2024 15:03

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 78 Resp: 387



#39

cis-1,3-Dichloropropene

Concen: 16.769 ug/L

RT: 10.010 min Scan# 1432

Delta R.T. -0.006 min

Lab File: VD079275.D

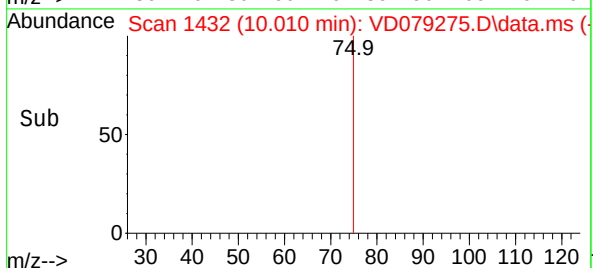
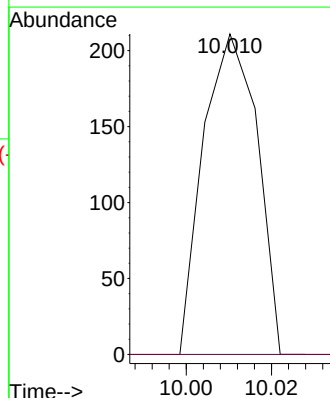
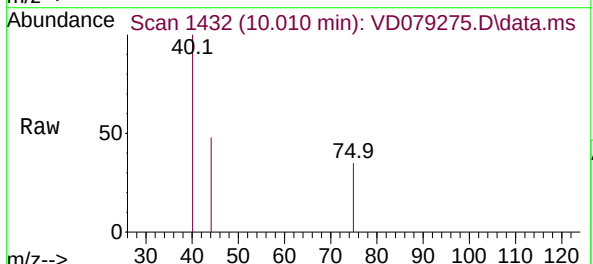
Acq: 27 Jun 2024 15:03

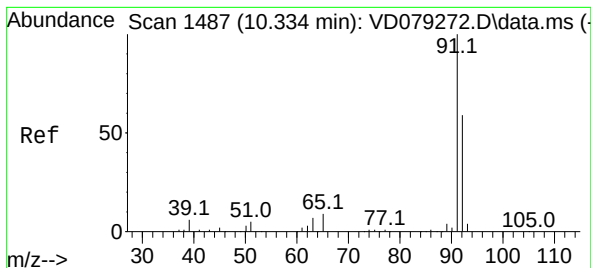
Tgt Ion: 75 Resp: 186

Ion Ratio Lower Upper

75 100

77 0.0 22.8 42.4#





#42

Toluene

Concen: 20.596 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD079275.D

Acq: 27 Jun 2024 15:03

Instrument :

MSVOA_D

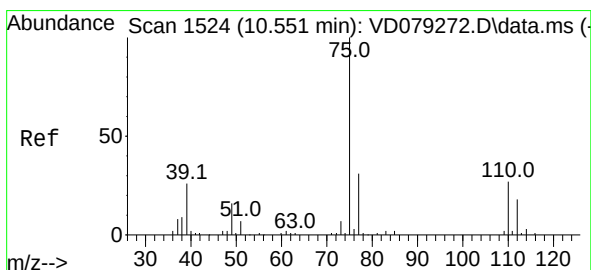
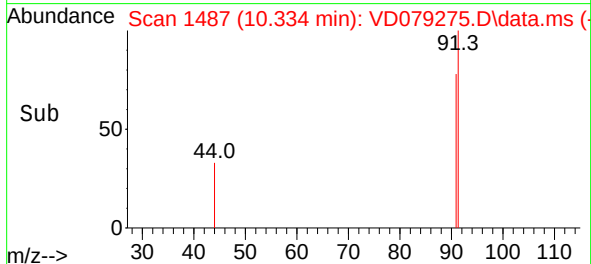
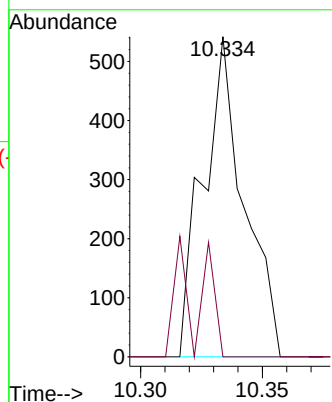
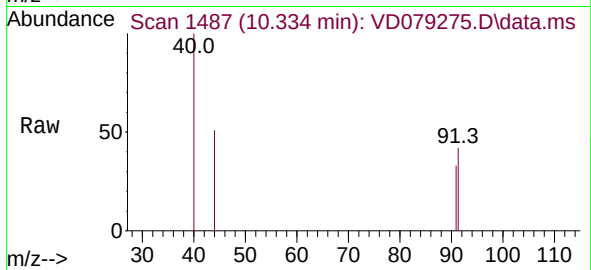
ClientSampleId :

Tgt Ion: 91 Resp: 634

Ion Ratio Lower Upper

91 100

92 0.0 41.5 77.1#



#44

trans-1,3-Dichloropropene

Concen: 23.629 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD079275.D

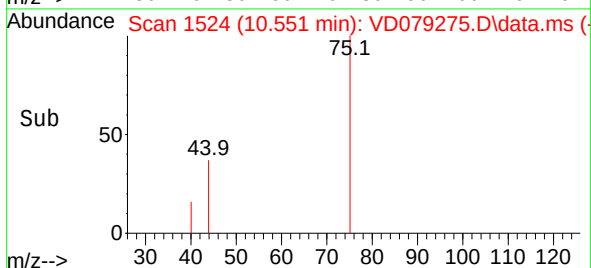
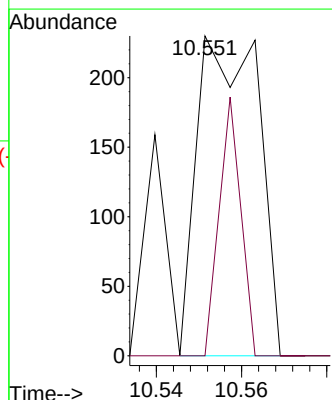
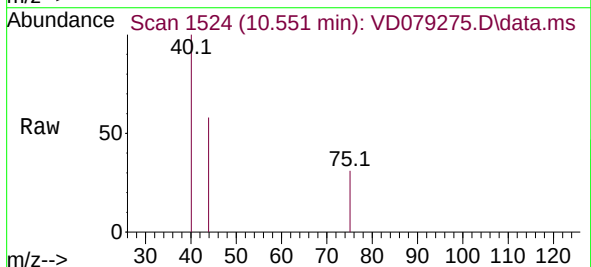
Acq: 27 Jun 2024 15:03

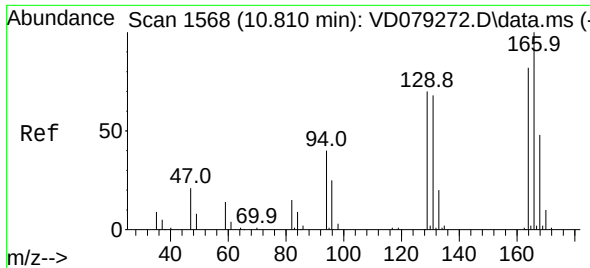
Tgt Ion: 75 Resp: 229

Ion Ratio Lower Upper

75 100

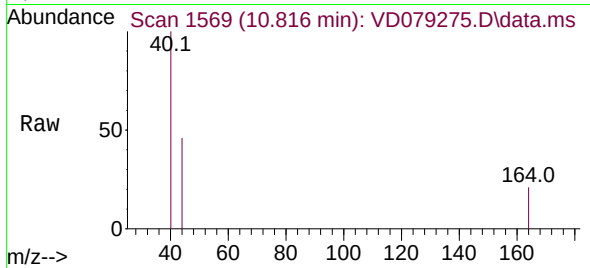
77 0.0 21.3 39.6#





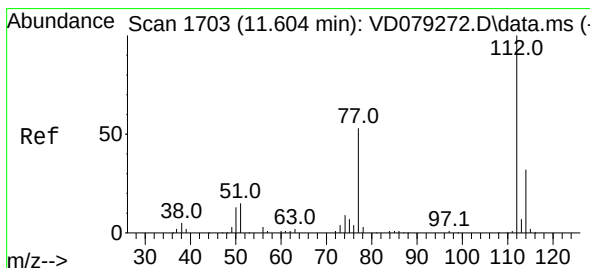
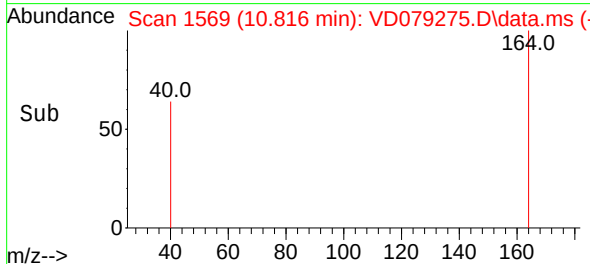
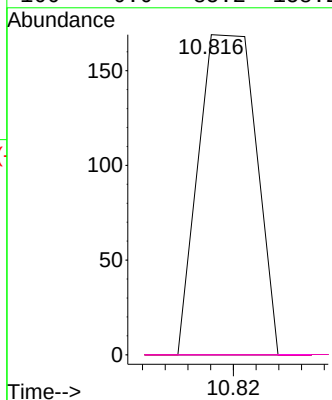
#46
Tetrachloroethene
Concen: 21.137 ug/L
RT: 10.816 min Scan# 1119
Delta R.T. 0.006 min
Lab File: VD079275.D
Acq: 27 Jun 2024 15:03

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:164 Resp: 119

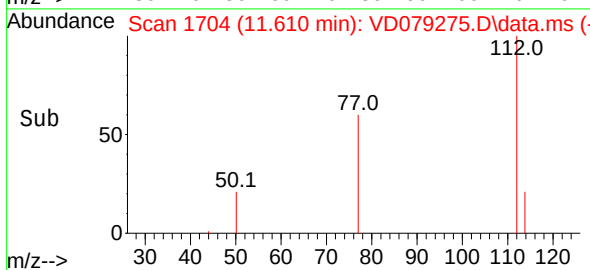
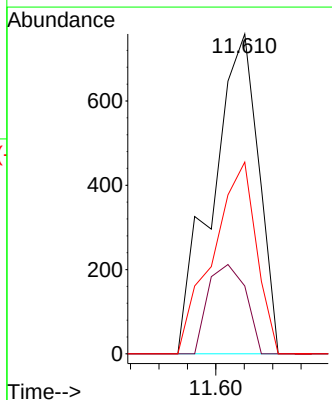
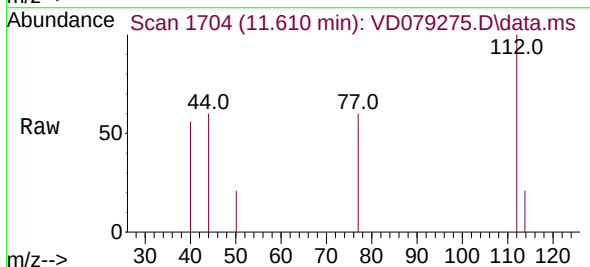
Ion	Ratio	Lower	Upper
164	100		
129	0.0	60.0	111.4#
131	0.0	57.7	107.1#
166	0.0	85.2	158.2#

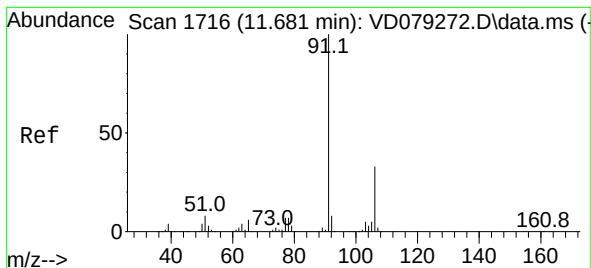


#51
Chlorobenzene
Concen: 40.986 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD079275.D
Acq: 27 Jun 2024 15:03

Tgt Ion:112 Resp: 855

Ion	Ratio	Lower	Upper
112	100		
114	21.2	22.5	41.7#
77	59.9	42.6	64.0

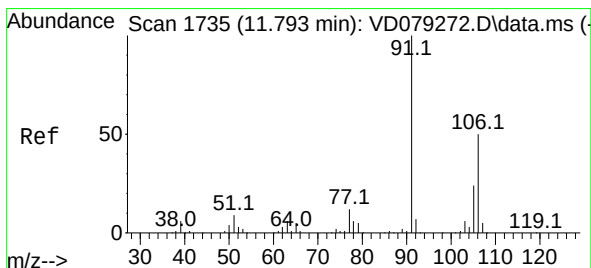
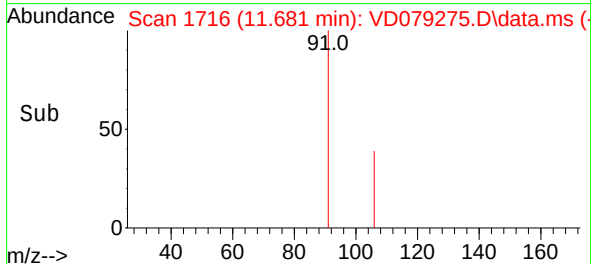
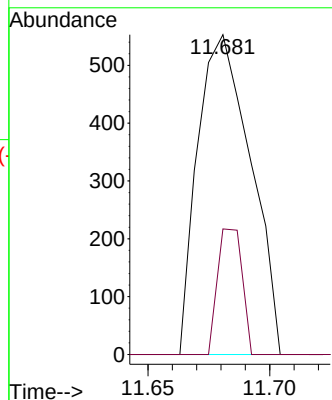
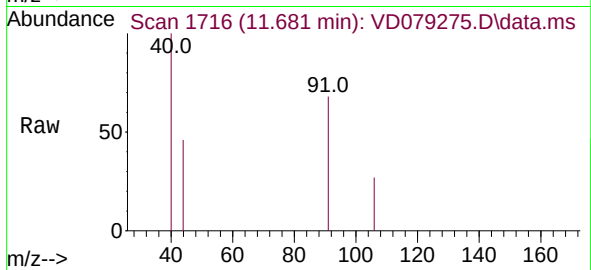




#52
Ethylbenzene
Concen: 26.345 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD079275.D
Acq: 27 Jun 2024 15:03

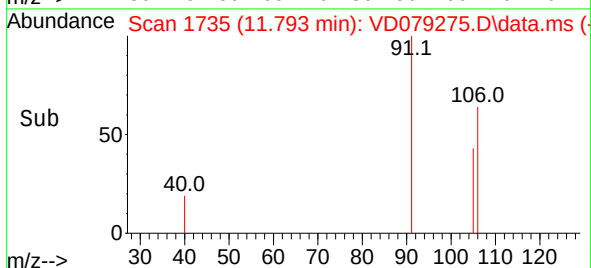
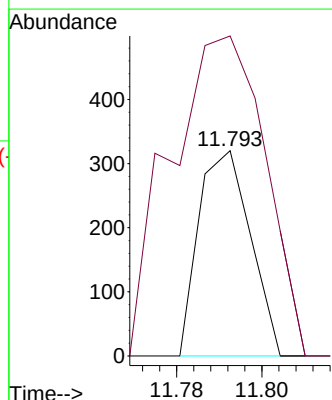
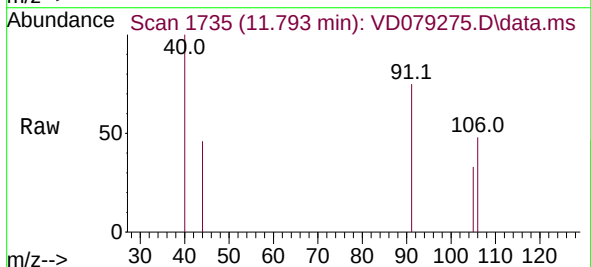
Instrument :
MSVOA_D
ClientSampleId :

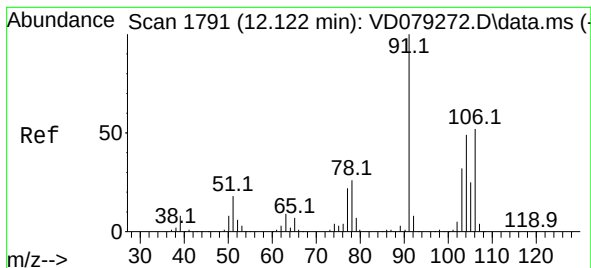
Tgt Ion: 91 Resp: 837
Ion Ratio Lower Upper
91 100
106 39.2 22.8 42.4



#53
m,p-Xylene
Concen: 21.468 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD079275.D
Acq: 27 Jun 2024 15:03

Tgt Ion: 106 Resp: 269
Ion Ratio Lower Upper
106 100
91 155.9 138.9 257.9

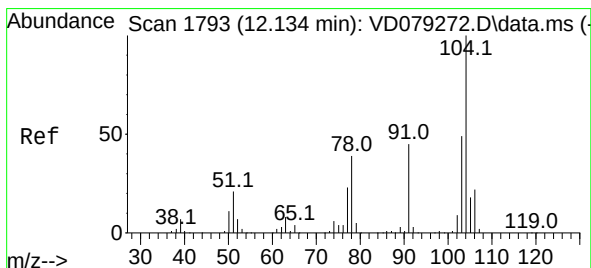
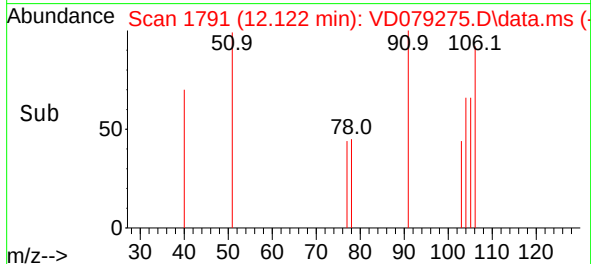
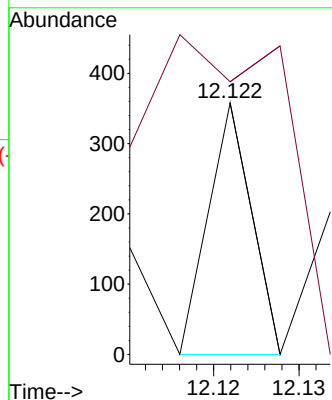
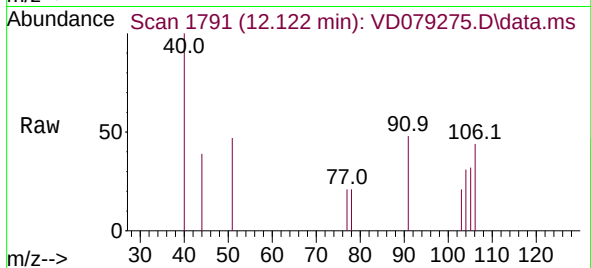




#54
o-Xylene
Concen: 10.005 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD079275.D
Acq: 27 Jun 2024 15:03

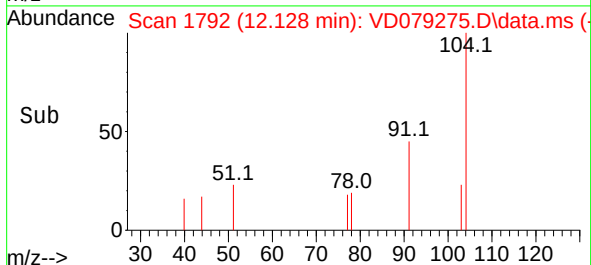
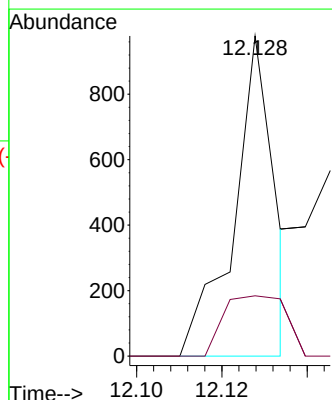
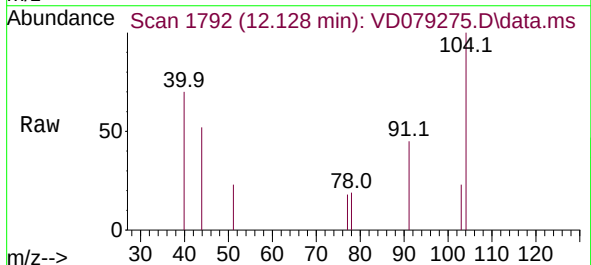
Instrument :
MSVOA_D
ClientSampleId :

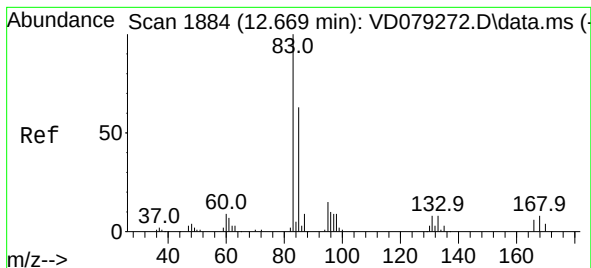
Tgt Ion:106 Resp: 126
Ion Ratio Lower Upper
106 100
91 108.4 135.6 251.8#



#55
Styrene
Concen: 28.858 ug/L
RT: 12.128 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VD079275.D
Acq: 27 Jun 2024 15:03

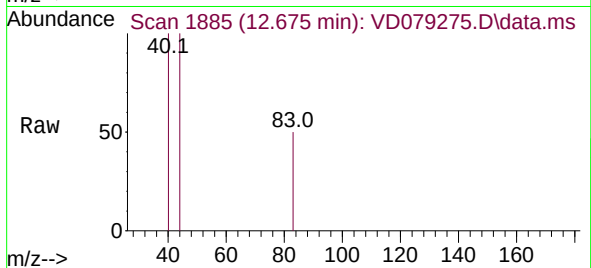
Tgt Ion:104 Resp: 650
Ion Ratio Lower Upper
104 100
78 18.8 27.4 50.8#



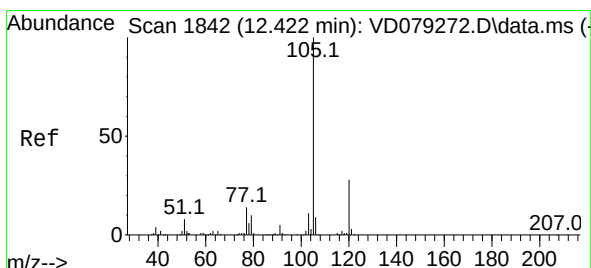
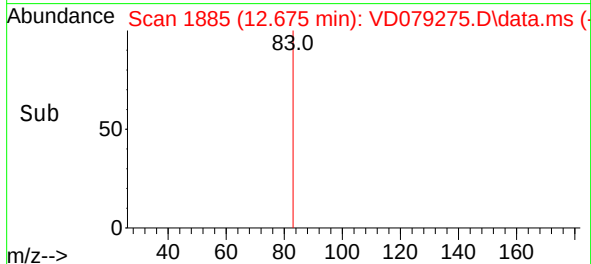
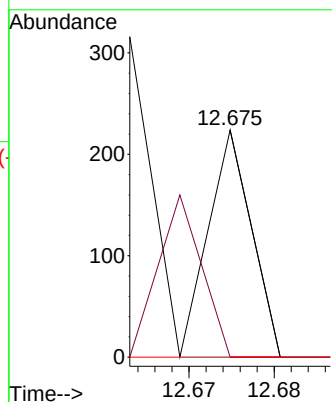


#57
1,1,2,2-Tetrachloroethane
Concen: 9.975 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VD079275.D
Acq: 27 Jun 2024 15:03

Instrument :
MSVOA_D
ClientSampleId :

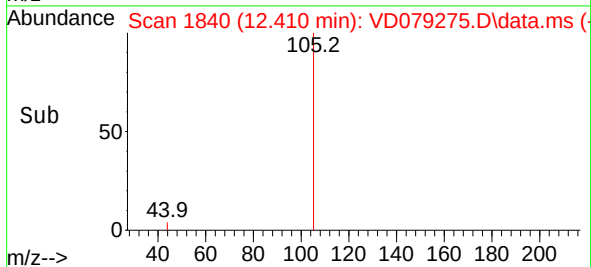
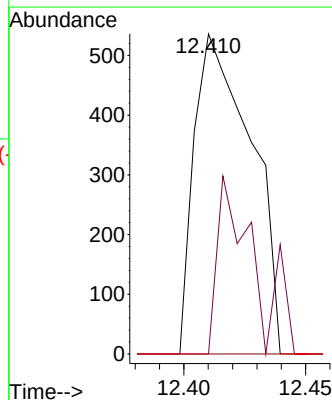
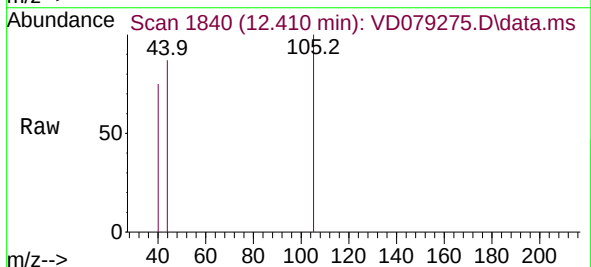


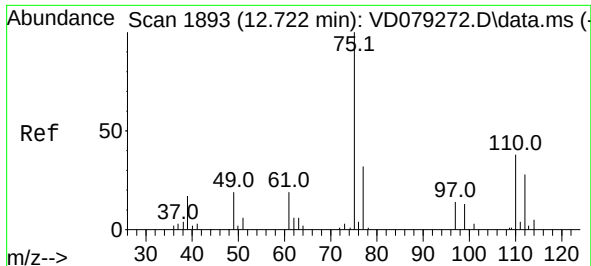
Tgt Ion: 83 Resp: 79
Ion Ratio Lower Upper
83 100
85 0.0 44.0 81.8#
131 0.0 6.0 9.0#



#60
Isopropylbenzene
Concen: 15.449 ug/L
RT: 12.410 min Scan# 1840
Delta R.T. -0.012 min
Lab File: VD079275.D
Acq: 27 Jun 2024 15:03

Tgt Ion:105 Resp: 869
Ion Ratio Lower Upper
105 100
120 28.5 21.9 32.9
77 7.7 11.2 16.8#





#61

1,2,3-Trichloropropane

Concen: 25.595 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. -0.000 min

Lab File: VD079275.D

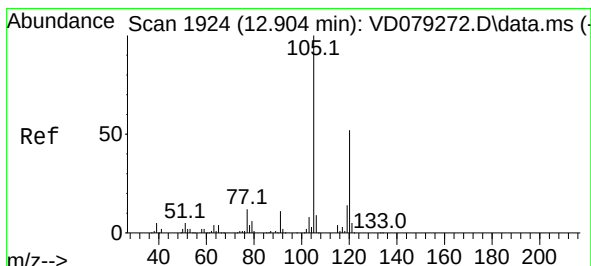
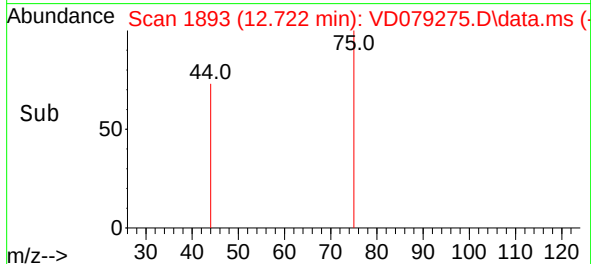
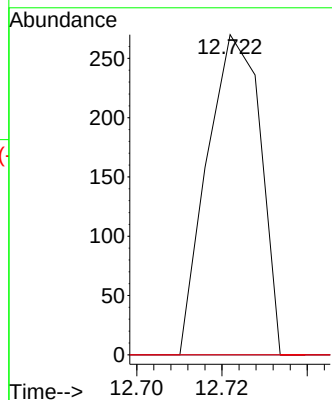
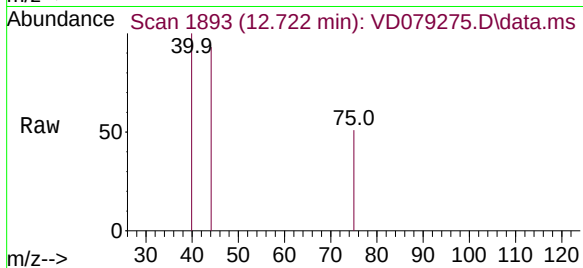
Acq: 27 Jun 2024 15:03

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 234
Ion Ratio	Lower Upper
75	100
77	0.0 27.3 40.9#
110	0.0 34.0 51.0#



#62

1,3,5-Trimethylbenzene

Concen: 24.060 ug/L

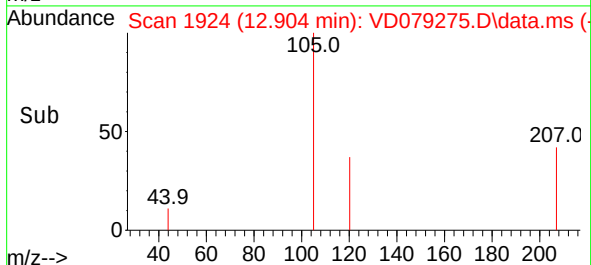
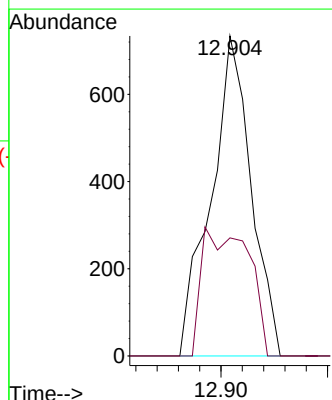
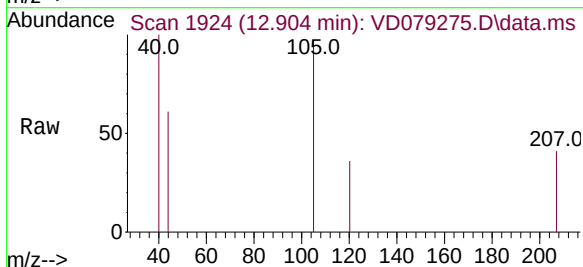
RT: 12.904 min Scan# 1924

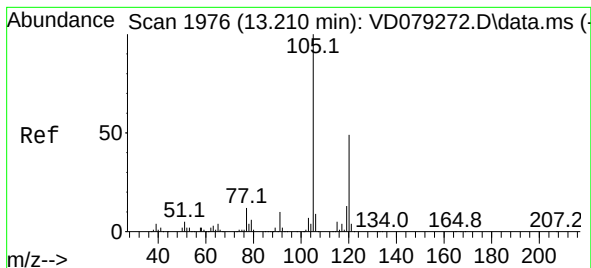
Delta R.T. -0.000 min

Lab File: VD079275.D

Acq: 27 Jun 2024 15:03

Tgt Ion: 105	Resp: 963
Ion Ratio	Lower Upper
105	100
120	19.7 40.0 60.0#





#63

1,2,4-Trimethylbenzene

Concen: 28.064 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VD079275.D

Acq: 27 Jun 2024 15:03

Instrument :

MSVOA_D

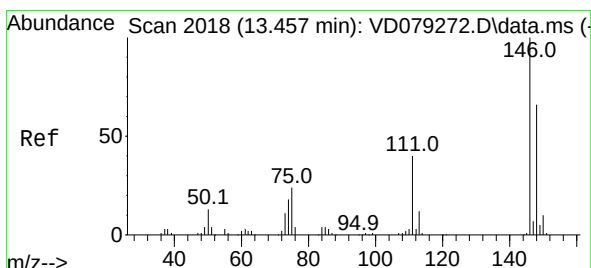
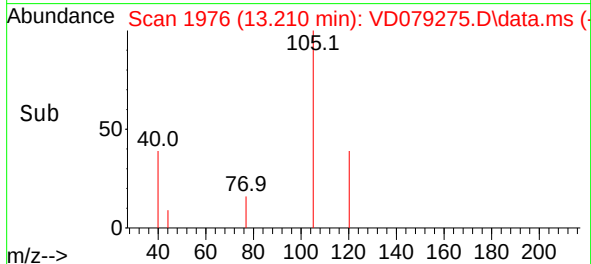
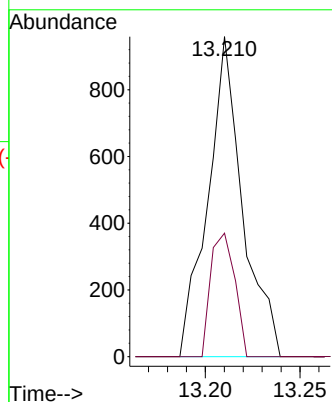
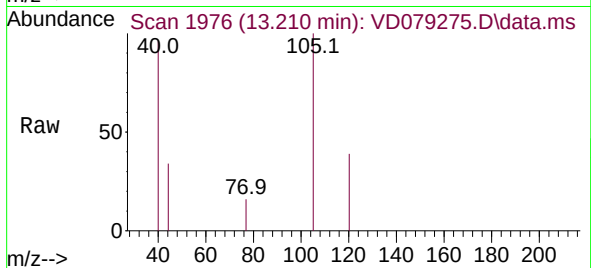
ClientSampleId :

Tgt Ion:105 Resp: 1223

Ion Ratio Lower Upper

105 100

120 26.7 38.1 57.1#



#64

1,3-Dichlorobenzene

Concen: 51.696 ug/L

RT: 13.457 min Scan# 1818

Delta R.T. -0.000 min

Lab File: VD079275.D

Acq: 27 Jun 2024 15:03

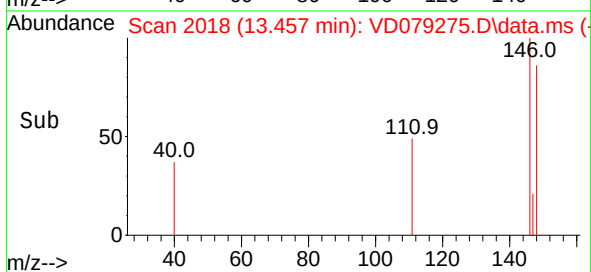
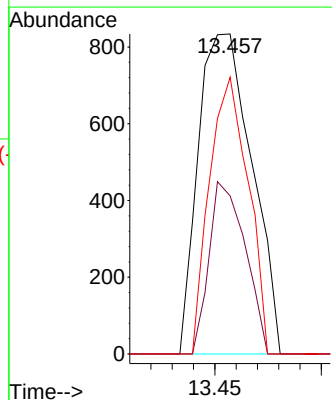
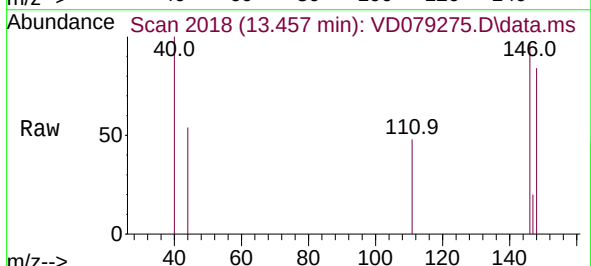
Tgt Ion:146 Resp: 1460

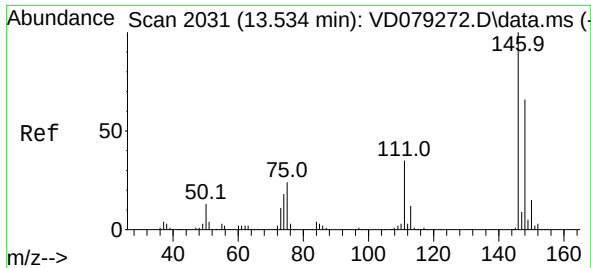
Ion Ratio Lower Upper

146 100

111 49.4 27.7 51.5

148 86.5 45.9 85.3#

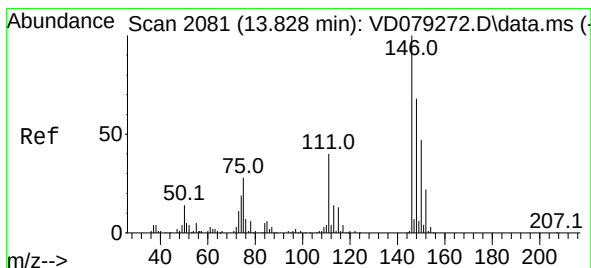
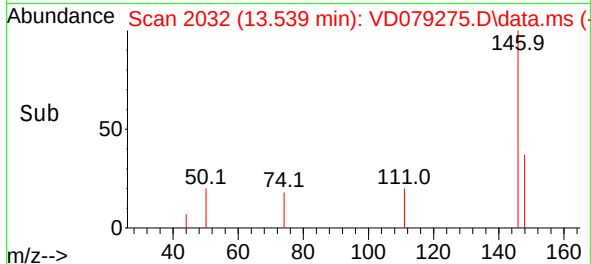
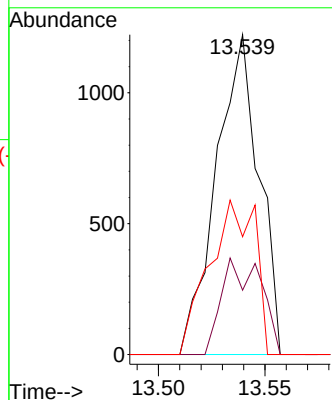
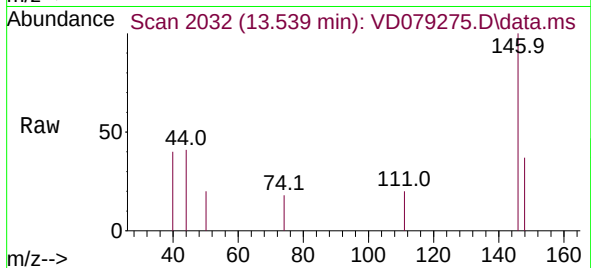




#65
1,4-Dichlorobenzene
Concen: 57.119 ug/L
RT: 13.539 min Scan# 2031
Delta R.T. 0.006 min
Lab File: VD079275.D
Acq: 27 Jun 2024 15:03

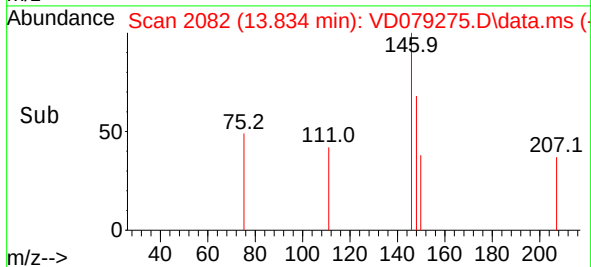
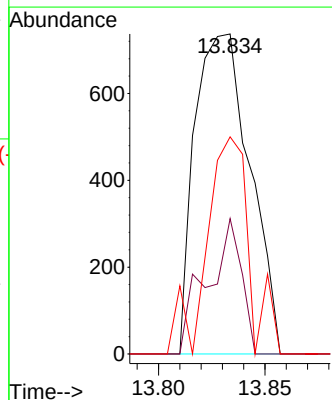
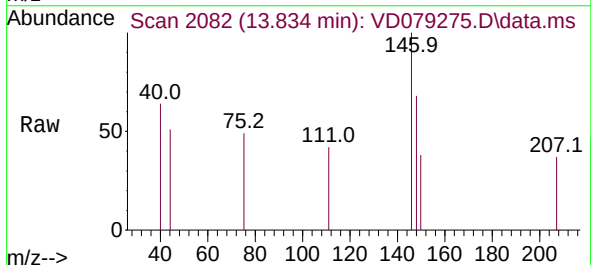
Instrument :
MSVOA_D
ClientSampleId :

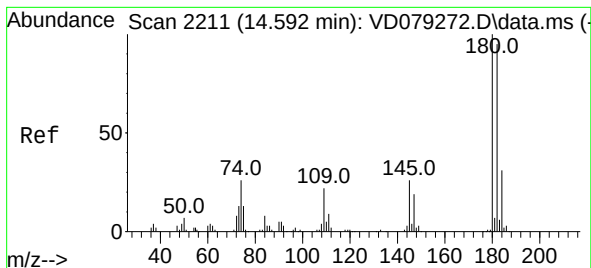
Tgt Ion:146 Resp: 1701
Ion Ratio Lower Upper
146 100
111 20.1 24.8 46.1#
148 36.8 45.9 85.3#



#67
1,2-Dichlorobenzene
Concen: 48.641 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VD079275.D
Acq: 27 Jun 2024 15:03

Tgt Ion:146 Resp: 1327
Ion Ratio Lower Upper
146 100
111 42.3 31.9 47.9
148 67.8 54.2 81.4





#69

1,3,5-Trichlorobenzene

Concen: 89.805 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. -0.000 min MSVOA_D

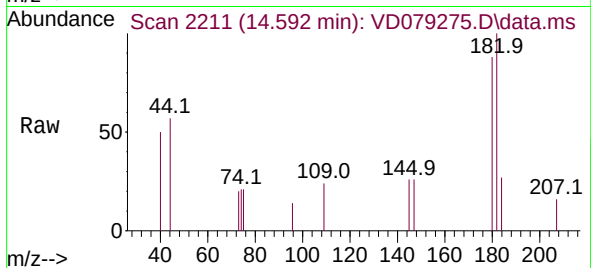
Lab File: VD079275.D

Acq: 27 Jun 2024 15:03

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 1583

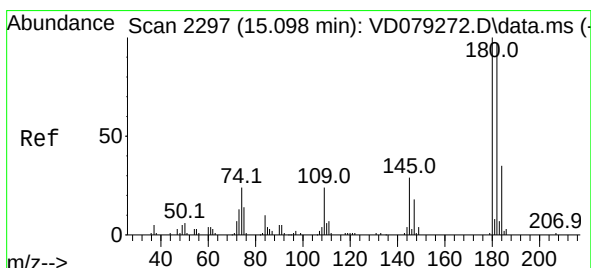
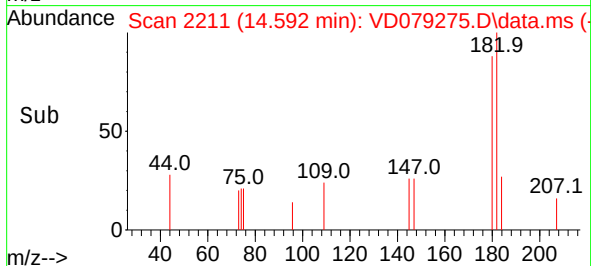
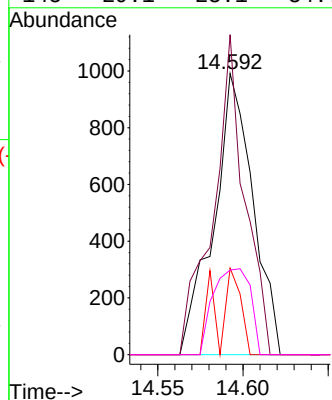
Ion Ratio Lower Upper

180 100

182 91.9 76.5 114.7

184 11.6 23.8 35.8#

145 29.1 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 76.766 ug/L

RT: 15.086 min Scan# 2295

Delta R.T. -0.012 min

Lab File: VD079275.D

Acq: 27 Jun 2024 15:03

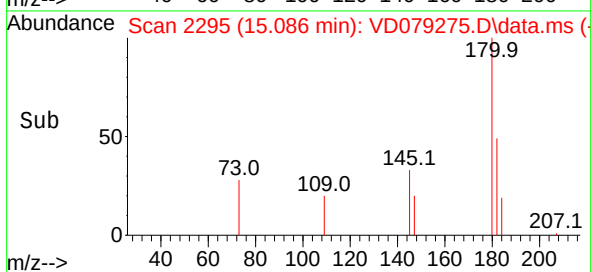
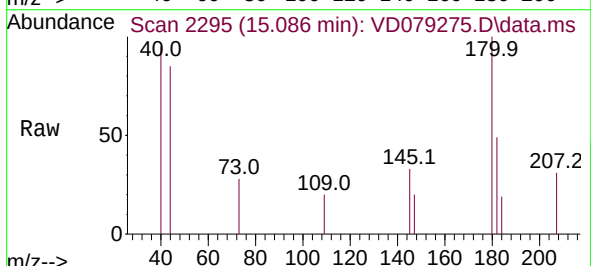
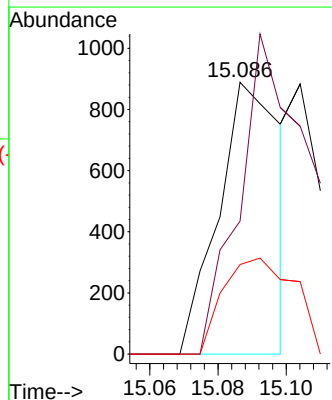
Tgt Ion:180 Resp: 1122

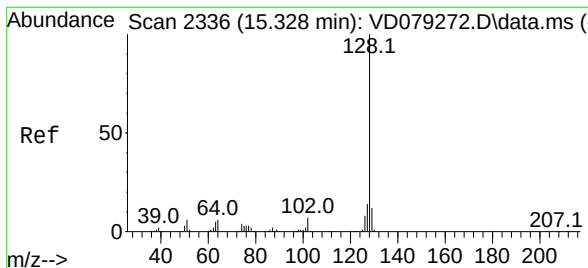
Ion Ratio Lower Upper

180 100

182 123.7 75.1 112.7#

145 40.5 22.6 33.8#





#71

Naphthalene

Concen: 190.847 ug/L

RT: 15.328 min Scan# 2336

Delta R.T. -0.000 min

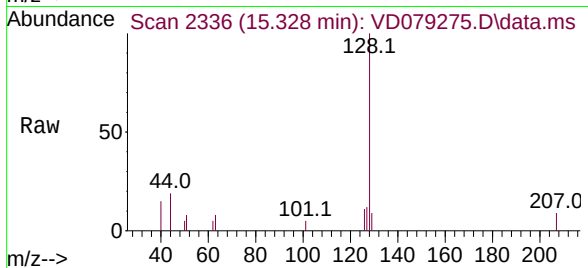
Lab File: VD079275.D

Acq: 27 Jun 2024 15:03

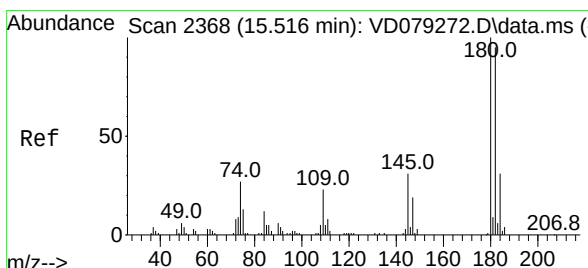
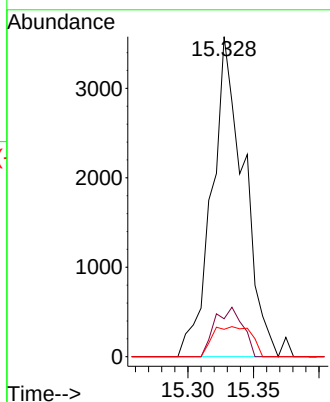
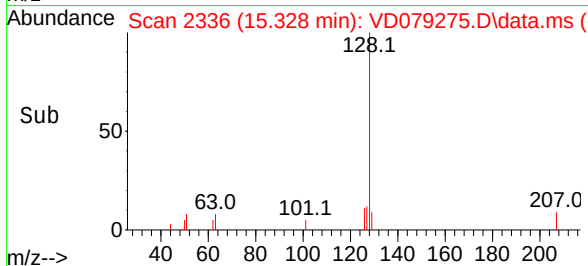
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	128	Resp:	6055
Ion Ratio	100	Lower	Upper
127	13.5	10.9	16.3
129	4.6	8.9	13.3#



#72

1,2,3-Trichlorobenzene

Concen: 139.692 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.006 min

Lab File: VD079275.D

Acq: 27 Jun 2024 15:03

Tgt Ion:	180	Resp:	1941
Ion Ratio	100	Lower	Upper
182	99.3	76.0	114.0
145	22.1	25.0	37.4#

