

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092623\
 Data File : VD077224.D
 Acq On : 26 Sep 2023 17:13
 Operator : JC/SY
 Sample : VIBLK
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 27 01:30:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Sep 25 23:07:59 2023
 Response via : Initial Calibration

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

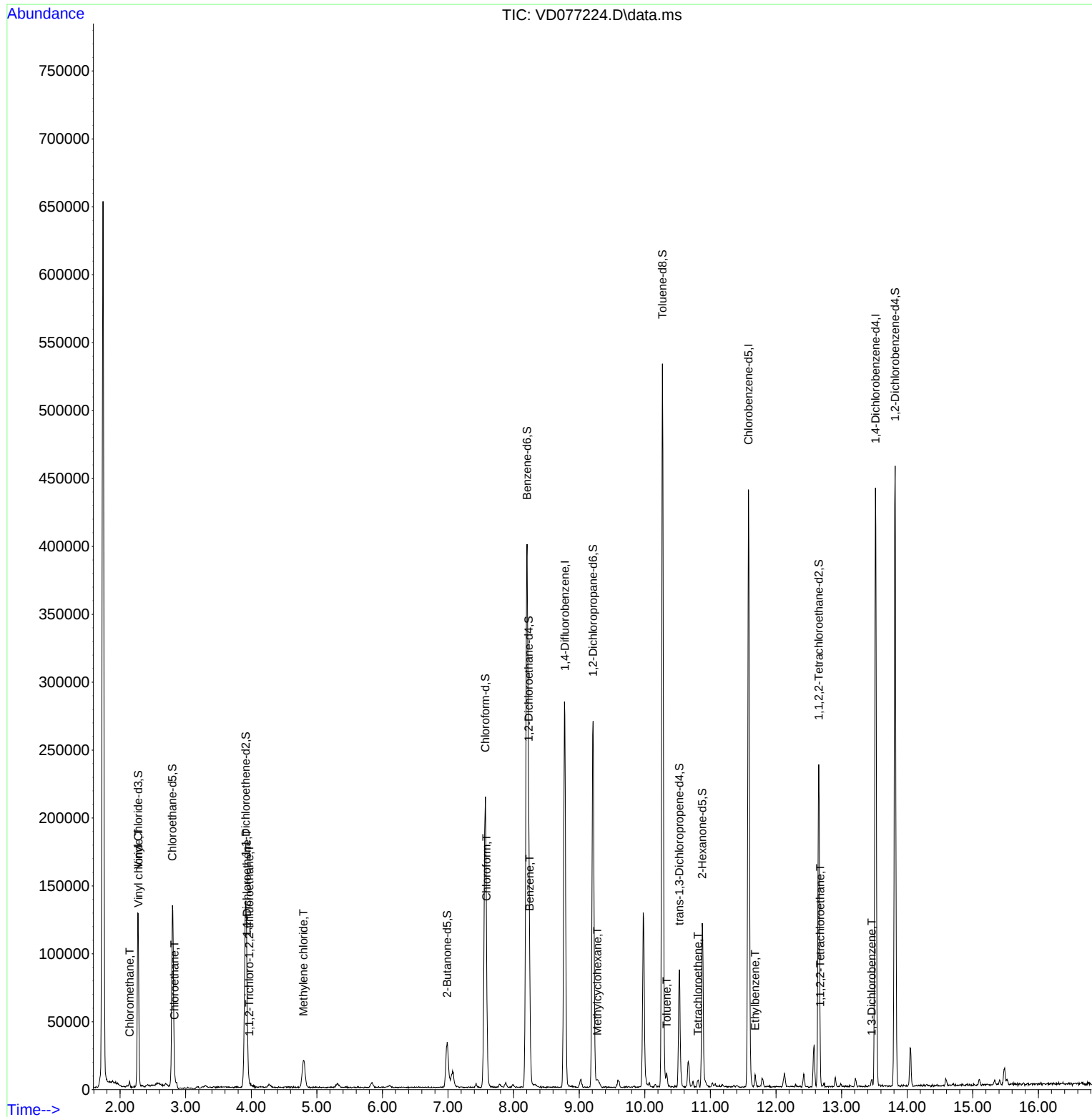
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	263936	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	264884	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	125930	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	124295	17.805	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	71.240%		
7) Chloroethane-d5	2.799	69	139320	31.671	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	126.680%		
11) 1,1-Dichloroethene-d2	3.917	65	39139	19.927	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	79.720%		
21) 2-Butanone-d5	6.987	46	58014	45.868	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	91.740%		
24) Chloroform-d	7.569	84	227894	22.898	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	91.600%		
26) 1,2-Dichloroethane-d4	8.228	65	112256	22.674	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	90.680%		
32) Benzene-d6	8.205	84	432626	22.485	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	89.960%		
36) 1,2-Dichloropropane-d6	9.210	67	141148	23.603	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	94.400%		
41) Toluene-d8	10.269	98	370196	21.902	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	87.600%		
43) trans-1,3-Dichloroprop...	10.528	79	50482	20.760	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	83.040%		
47) 2-Hexanone-d5	10.875	63	41365	43.239	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	86.480%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	127858	23.662	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	94.640%		
66) 1,2-Dichlorobenzene-d4	13.816	152	125159	24.110	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	96.440%		
Target Compounds						Qvalue
3) Chloromethane	2.146	50	1403	0.252	ug/L	87
5) Vinyl chloride	2.281	62	2200	0.332	ug/L #	1
8) Chloroethane	2.828	64	1529	0.470	ug/L #	81
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	1244	0.254	ug/L #	58
12) 1,1-Dichloroethene	3.934	96	2114	0.517	ug/L #	1
16) Methylene chloride	4.793	84	9553	1.453	ug/L #	73
25) Chloroform	7.587	83	5981	0.623	ug/L	83
33) Benzene	8.246	78	6052	0.309	ug/L	100
35) Methylcyclohexane	9.275	83	1858	0.270	ug/L #	80
42) Toluene	10.334	91	6144	0.291	ug/L	88
46) Tetrachloroethene	10.810	164	1198	0.309	ug/L #	53
52) Ethylbenzene	11.681	91	5822	0.255	ug/L	86
57) 1,1,2,2-Tetrachloroethane	12.675	83	2148	0.393	ug/L #	77
64) 1,3-Dichlorobenzene	13.457	146	3066	0.320	ug/L #	80

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

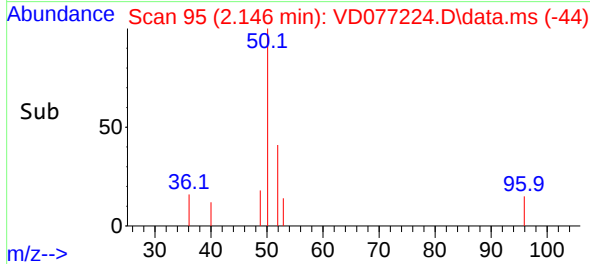
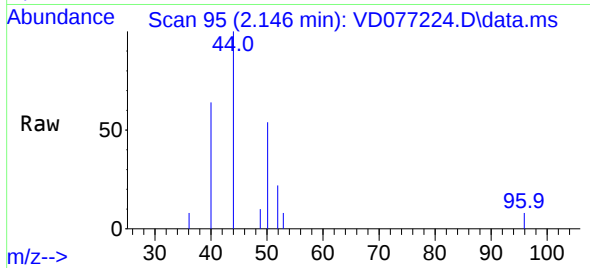
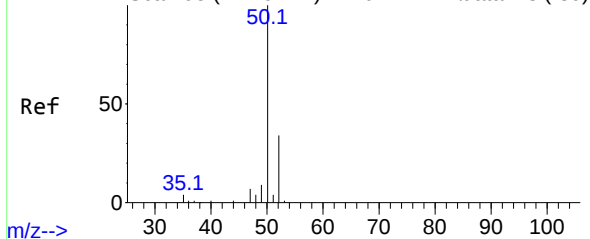
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092623\
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Quant Title : SFAM01.0
QLast Update : Mon Sep 25 23:07:59 2023
Response via : Initial Calibration



Abundance Scan 95 (2.146 min): VD077221.D\data.ms (-89)



#3

Chloromethane

Concen: 0.252 ug/L

RT: 2.146 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD077224.D

Acq: 26 Sep 2023 17:13

Instrument :

MSVOA_D

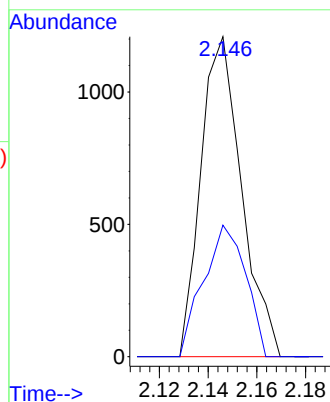
ClientSampleId :

Tgt Ion: 50 Resp: 1403

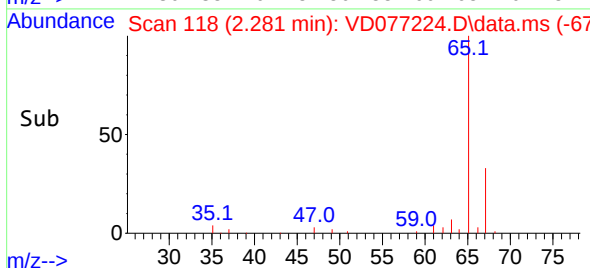
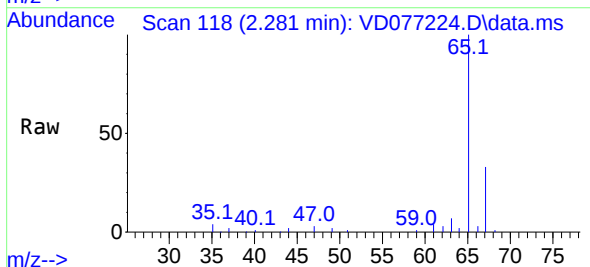
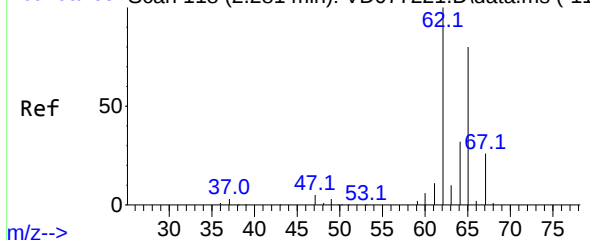
Ion Ratio Lower Upper

50 100

52 41.1 23.6 43.8



Abundance Scan 118 (2.281 min): VD077221.D\data.ms (-11)



#5

Vinyl chloride

Concen: 0.332 ug/L

RT: 2.281 min Scan# 118

Delta R.T. 0.000 min

Lab File: VD077224.D

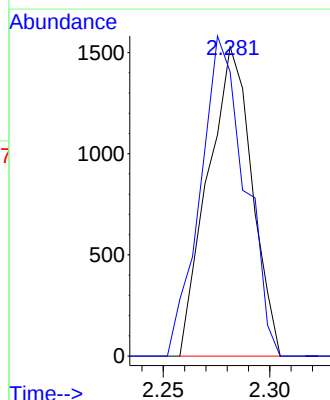
Acq: 26 Sep 2023 17:13

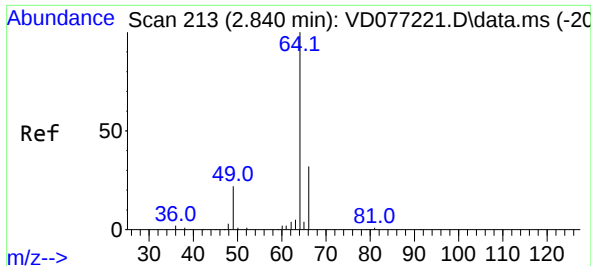
Tgt Ion: 62 Resp: 2200

Ion Ratio Lower Upper

62 100

64 91.9 23.0 42.8#

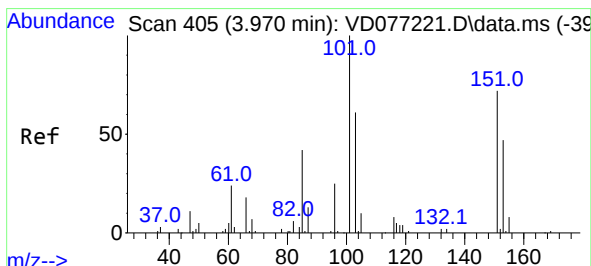
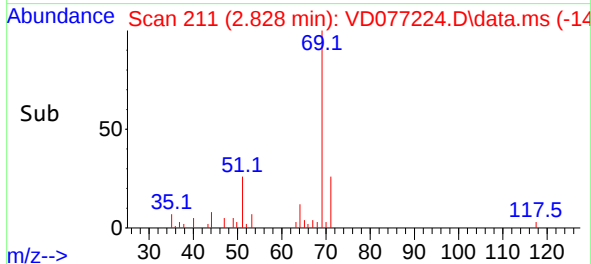
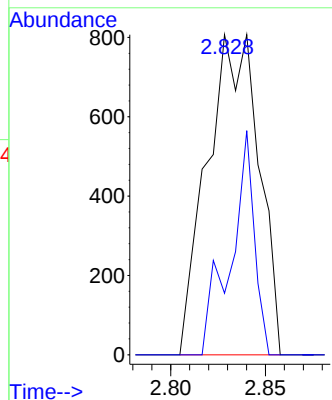
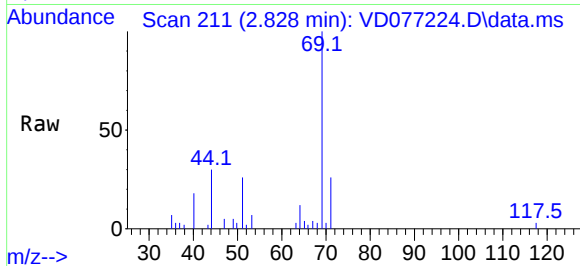




#8
Chloroethane
Concen: 0.470 ug/L
RT: 2.828 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD077224.D
Acq: 26 Sep 2023 17:13

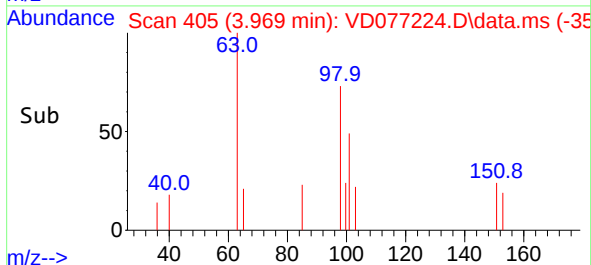
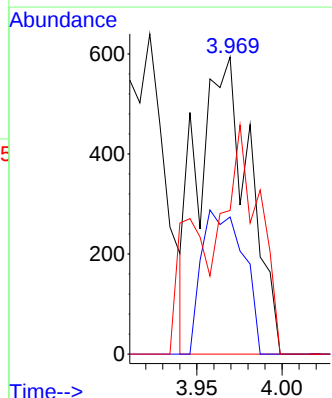
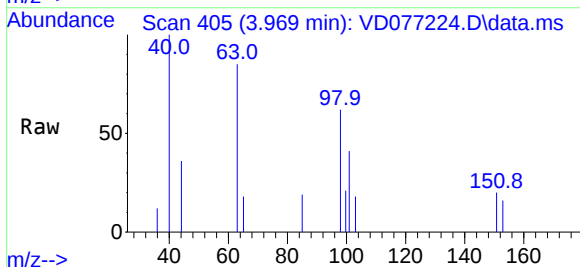
Instrument :
MSVOA_D
ClientSampleId :

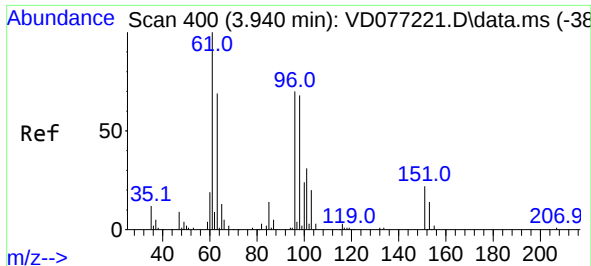
Tgt Ion: 64 Resp: 1529
Ion Ratio Lower Upper
64 100
66 19.2 20.8 38.6#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.254 ug/L
RT: 3.969 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD077224.D
Acq: 26 Sep 2023 17:13

Tgt Ion: 101 Resp: 1244
Ion Ratio Lower Upper
101 100
85 0.0 35.3 52.9#
151 51.6 59.9 89.9#





#12

1,1-Dichloroethene

Concen: 0.517 ug/L

RT: 3.934 min Scan# 399

Delta R.T. -0.006 min

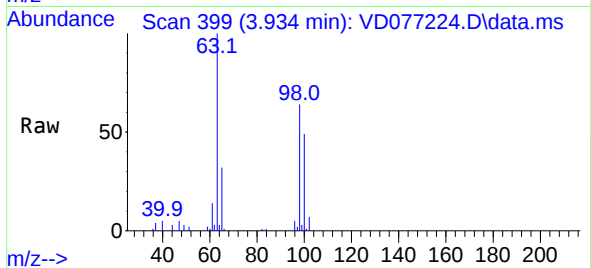
Lab File: VD077224.D

Acq: 26 Sep 2023 17:13

Instrument :

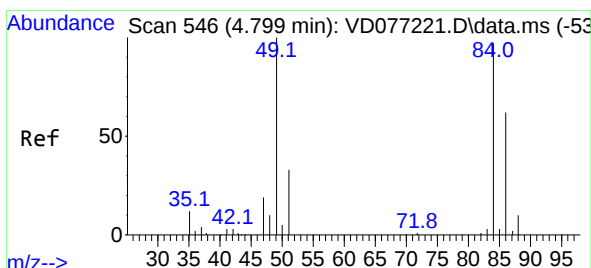
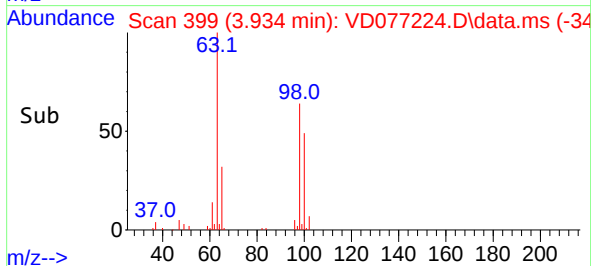
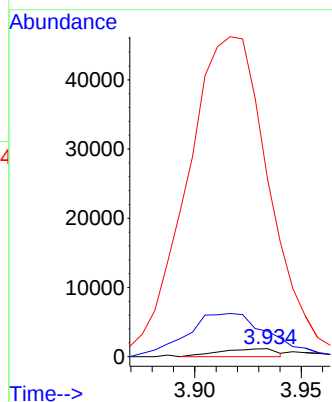
MSVOA_D

ClientSampleId :



Tgt Ion: 96 Resp: 2114

Ion	Ratio	Lower	Upper
96	100		
61	318.1	102.1	189.5#
63	2220.6	63.3	117.5#



#16

Methylene chloride

Concen: 1.453 ug/L

RT: 4.793 min Scan# 545

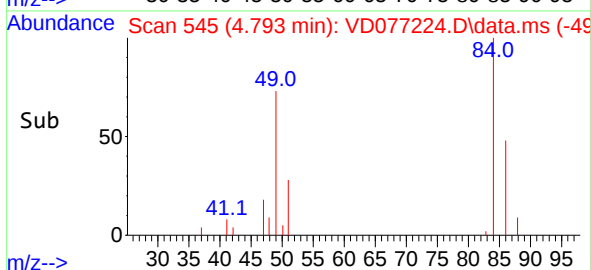
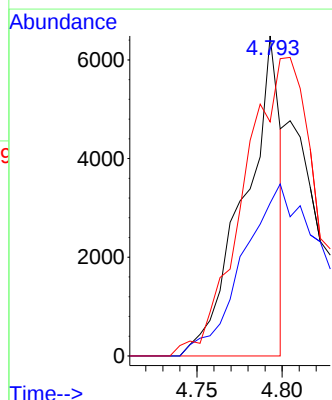
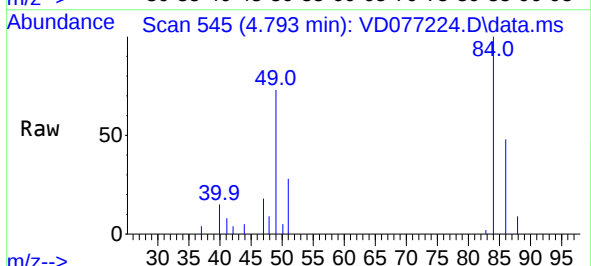
Delta R.T. -0.006 min

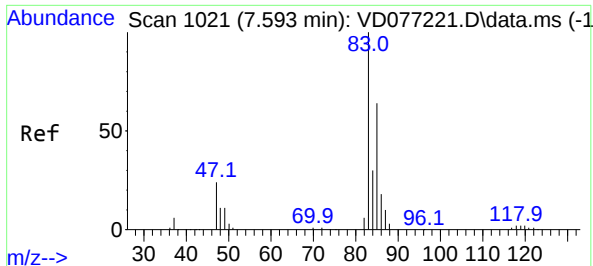
Lab File: VD077224.D

Acq: 26 Sep 2023 17:13

Tgt Ion: 84 Resp: 9553

Ion	Ratio	Lower	Upper
84	100		
86	47.8	45.2	84.0
49	73.2	73.4	136.4#





#25

Chloroform

Concen: 0.623 ug/L

RT: 7.587 min Scan# 1102

Delta R.T. -0.012 min

Lab File: VD077224.D

Acq: 26 Sep 2023 17:13

Instrument :

MSVOA_D

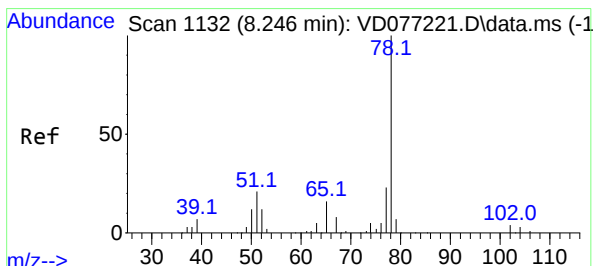
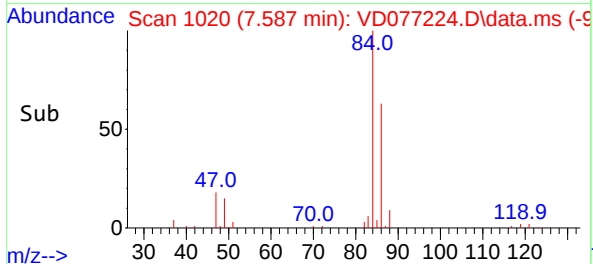
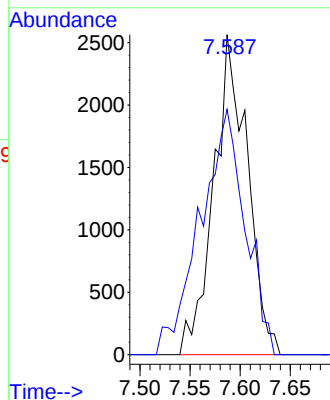
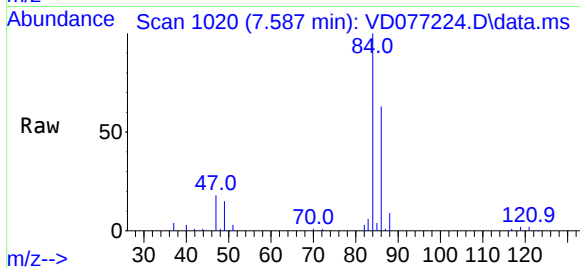
ClientSampleId :

Tgt Ion: 83 Resp: 5981

Ion Ratio Lower Upper

83 100

85 76.6 44.4 82.5



#33

Benzene

Concen: 0.309 ug/L

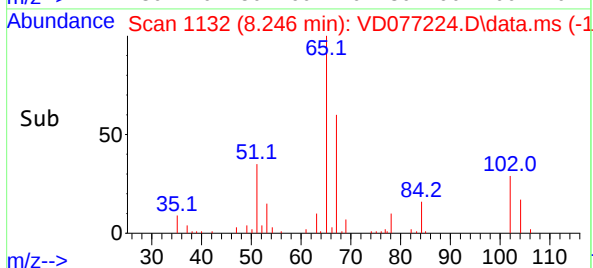
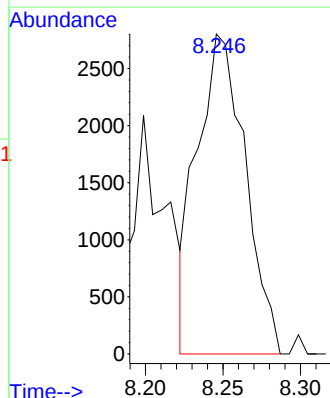
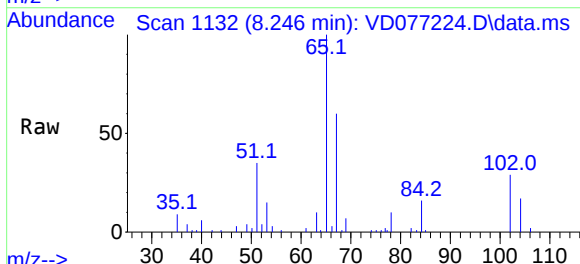
RT: 8.246 min Scan# 1132

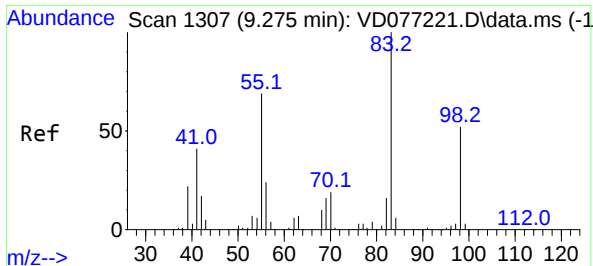
Delta R.T. -0.006 min

Lab File: VD077224.D

Acq: 26 Sep 2023 17:13

Tgt Ion: 78 Resp: 6052





#35

Methylcyclohexane

Concen: 0.270 ug/L

RT: 9.275 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077224.D

Acq: 26 Sep 2023 17:13

Instrument :

MSVOA_D

ClientSampleId :

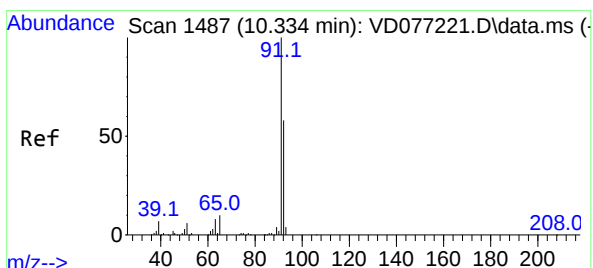
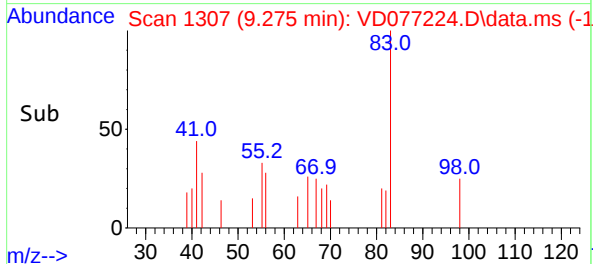
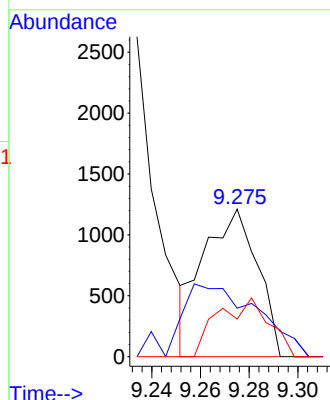
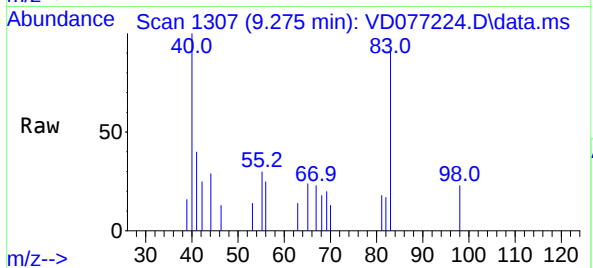
Tgt Ion: 83 Resp: 1858

Ion Ratio Lower Upper

83 100

55 67.7 53.0 79.4

98 19.2 39.4 59.0#



#42

Toluene

Concen: 0.291 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD077224.D

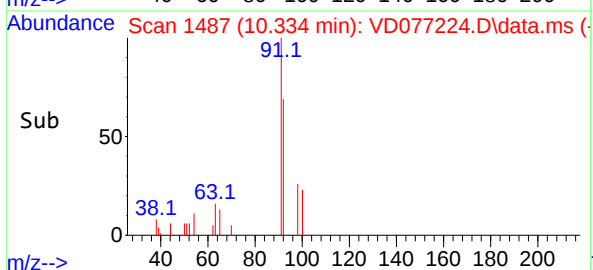
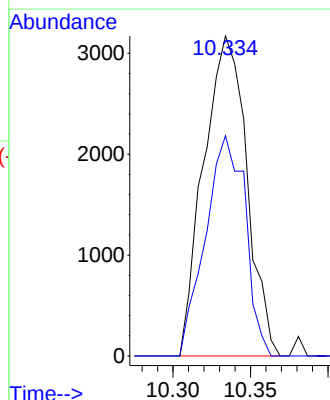
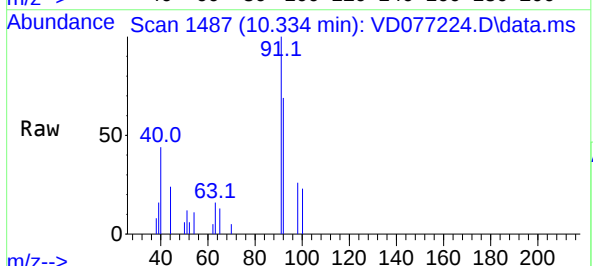
Acq: 26 Sep 2023 17:13

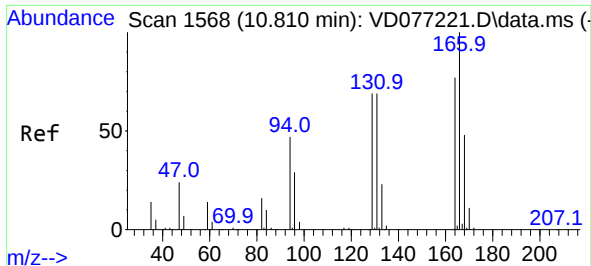
Tgt Ion: 91 Resp: 6144

Ion Ratio Lower Upper

91 100

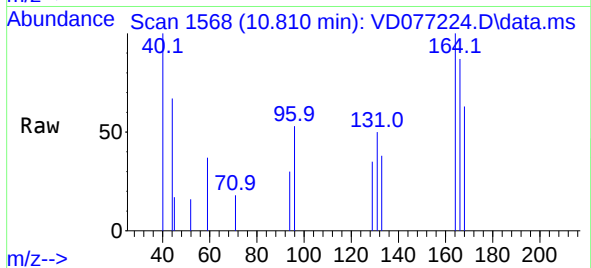
92 68.8 41.6 77.3



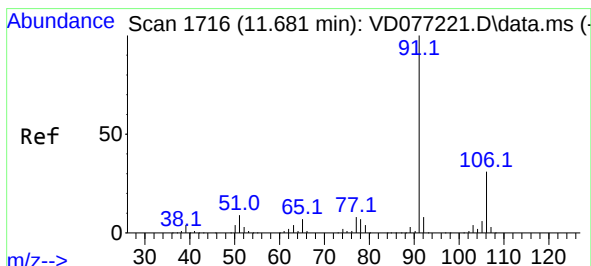
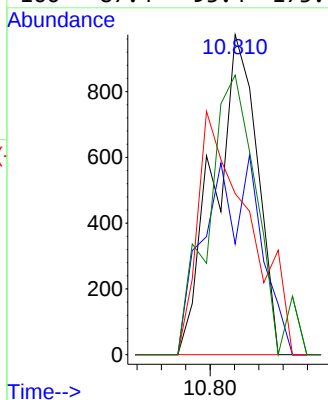
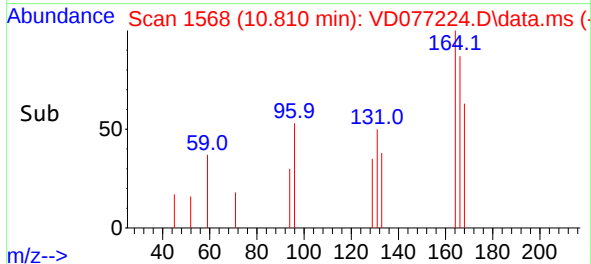


#46
Tetrachloroethene
Concen: 0.309 ug/L
RT: 10.810 min Scan# 1198
Delta R.T. 0.000 min
Lab File: VD077224.D
Acq: 26 Sep 2023 17:13

Instrument :
MSVOA_D
ClientSampleId :

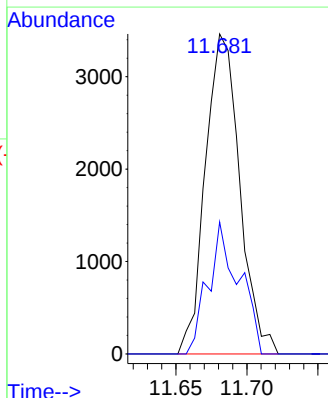
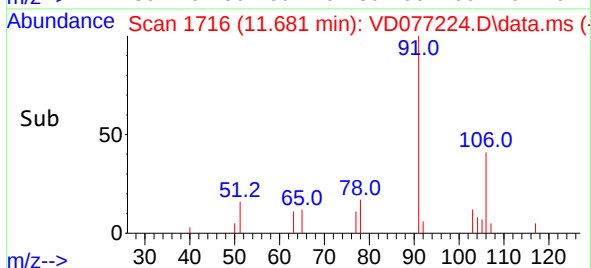
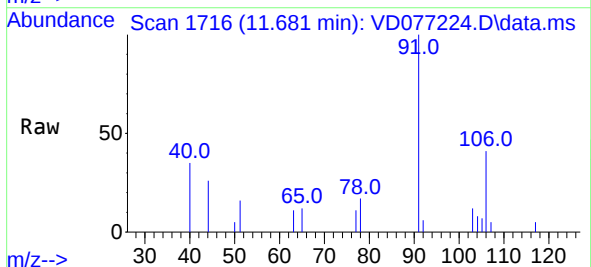


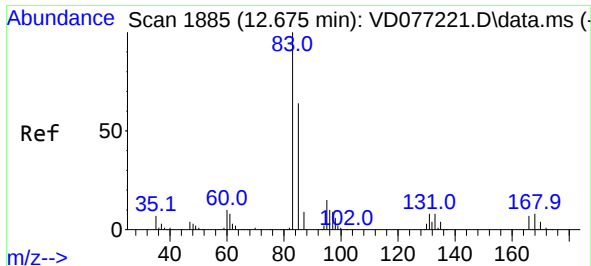
Tgt Ion:164 Resp: 1198
Ion Ratio Lower Upper
164 100
129 34.6 66.1 122.8#
131 50.4 63.5 117.9#
166 87.4 93.4 173.4#



#52
Ethylbenzene
Concen: 0.255 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VD077224.D
Acq: 26 Sep 2023 17:13

Tgt Ion: 91 Resp: 5822
Ion Ratio Lower Upper
91 100
106 41.2 23.2 43.0

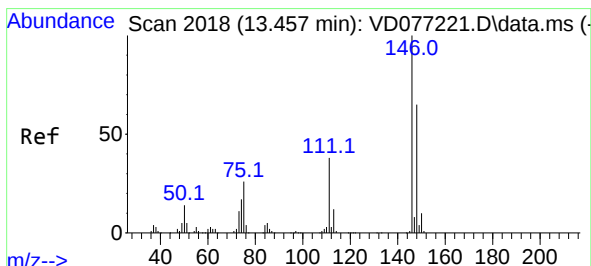
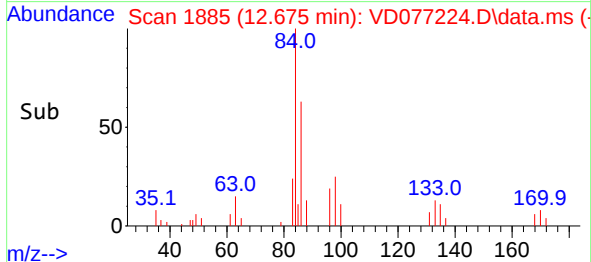
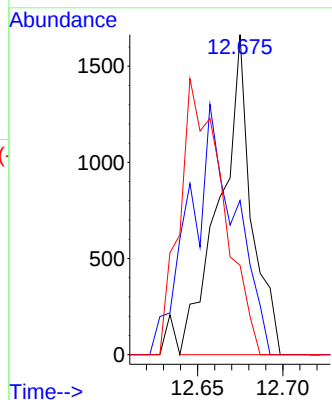
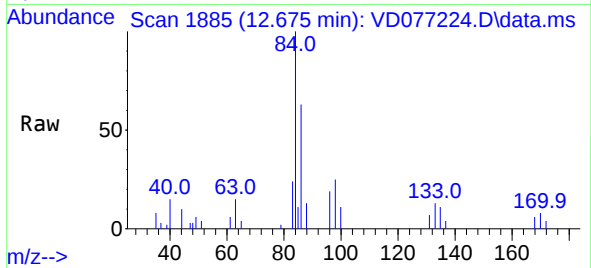




#57
1,1,2,2-Tetrachloroethane
Concen: 0.393 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD077224.D
Acq: 26 Sep 2023 17:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 83 Resp: 2148
Ion Ratio Lower Upper
83 100
85 48.2 44.0 81.8
131 27.9 7.7 11.5#



#64
1,3-Dichlorobenzene
Concen: 0.320 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD077224.D
Acq: 26 Sep 2023 17:13

Tgt Ion:146 Resp: 3066
Ion Ratio Lower Upper
146 100
111 26.0 26.1 48.5#
148 48.5 45.3 84.1

