

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091722\
 Data File : VW027908.D
 Acq On : 17 Sep 2022 18:35
 Operator : SY/MD
 Sample : N4652-01DL 40X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 19 02:34:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Sep 19 02:25:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	151138	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	147105	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	72579	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	57754	4.787	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	95.800%	
7) Chloroethane-d5	1.568	69	44999	5.276	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	105.600%	
11) 1,1-Dichloroethene-d2	2.108	63	70247	3.701	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	74.000%	
20) 2-Butanone-d5	3.889	46	98226	52.714	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	105.420%	
24) Chloroform-d	4.346	84	106697	4.797	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.000%	
26) 1,2-Dichloroethane-d4	5.031	65	57006	5.112	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.200%	
32) Benzene-d6	5.047	84	199533	4.919	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	98.400%	
36) 1,2-Dichloropropane-d6	6.066	67	53876	5.083	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	101.600%	
41) Toluene-d8	7.313	98	169442	4.512	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.200%	
43) trans-1,3-Dichloroprop...	7.622	79	20980	4.624	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	92.400%	
46) 2-Hexanone-d5	8.088	63	70682	46.973	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	93.940%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	35209	4.802	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	96.000%	
66) 1,2-Dichlorobenzene-d4	11.622	152	67382	5.303	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	106.000%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	20354	1.876	ug/L	94
8) Chloroethane	1.584	64	79450	12.842	ug/L	97
12) 1,1-Dichloroethene	2.114	96	1677	0.202	ug/L #	1
16) Methylene chloride	2.506	84	5854	0.546	ug/L	89
18) trans-1,2-Dichloroethene	2.770	96	1527	0.164	ug/L	79
19) 1,1-Dichloroethane	3.185	63	159641	9.137	ug/L	100
22) cis-1,2-Dichloroethene	3.908	96	72474	6.901	ug/L #	86
25) Chloroform	4.368	83	1530	0.073	ug/L	87
29) 1,1,1-Trichloroethane	4.606	97	97250	5.058	ug/L	97
31) Carbon tetrachloride	4.606	117	11454	0.672	ug/L	95
35) Methylcyclohexane	6.066	83	14862	1.036	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	7105	0.823	ug/L #	85
39) cis-1,3-Dichloropropene	6.989	75	1596	0.123	ug/L #	61
42) Toluene	7.391	91	29656	0.704	ug/L	98
44) trans-1,3-Dichloropropene	7.622	75	863	0.075	ug/L #	35
47) Tetrachloroethene	7.976	164	3090	0.357	ug/L	84
49) Dibromochloromethane	7.976	129	2640	0.300	ug/L #	10
52) Ethylbenzene	9.014	91	6623	0.145	ug/L	95
53) m,p-Xylene	9.140	106	4624	0.255	ug/L	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091722\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Sep 19 02:25:21 2022
 Response via : Initial Calibration

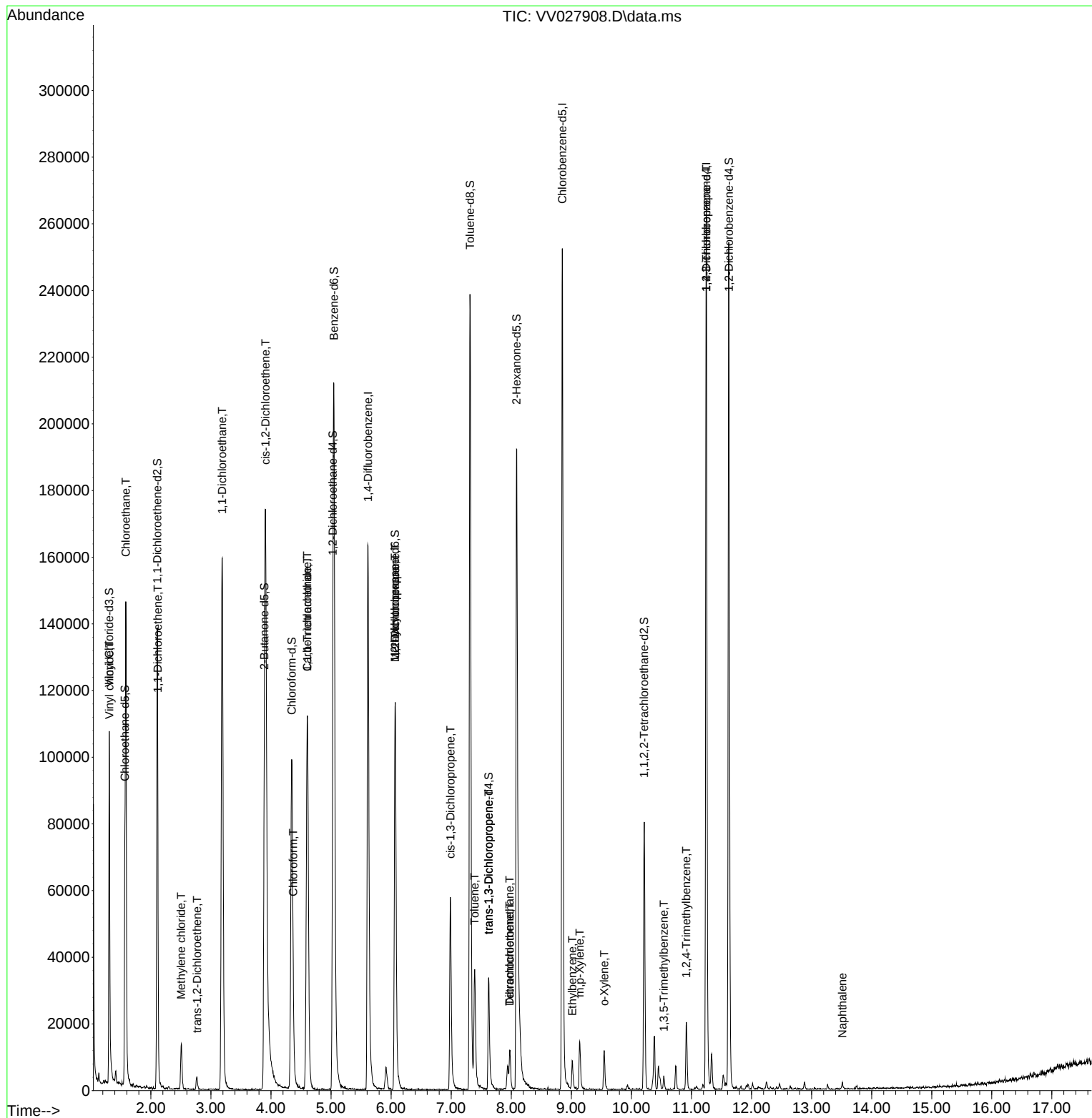
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.548	106	3302	0.187	ug/L	97
61) 1,2,3-Trichloropropane	11.246	75	6883	1.381	ug/L #	61
62) 1,3,5-Trimethylbenzene	10.542	105	2909	0.234	ug/L	90
63) 1,2,4-Trimethylbenzene	10.915	105	11974	0.343	ug/L	100
71) Naphthalene	13.512	128	2377	0.125	ug/L #	84

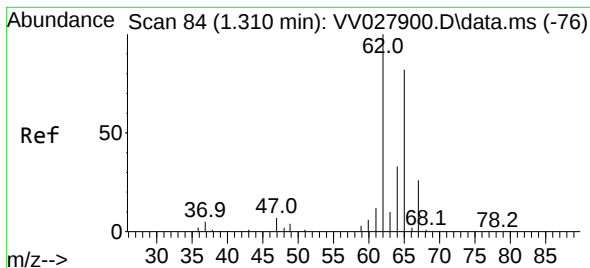
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Sep 19 02:25:21 2022
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.876 ug/L

RT: 1.310 min Scan# 84

Delta R.T. 0.000 min

Lab File: VV027908.D

Acq: 17 Sep 2022 18:35

Instrument :

MSVOA_V

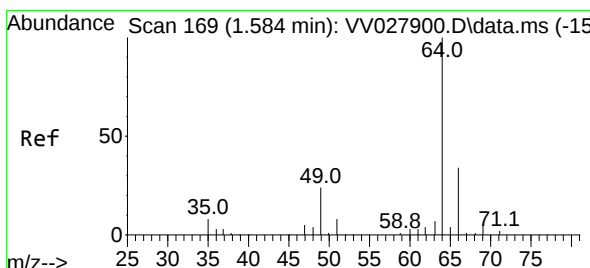
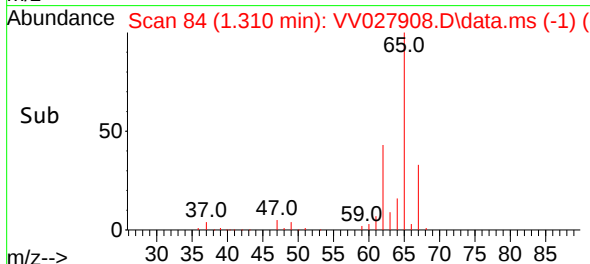
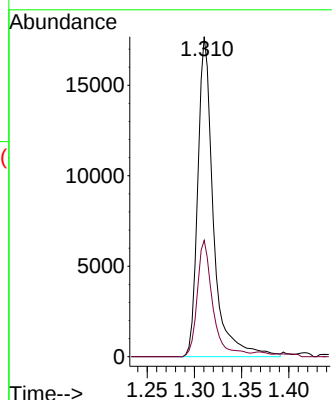
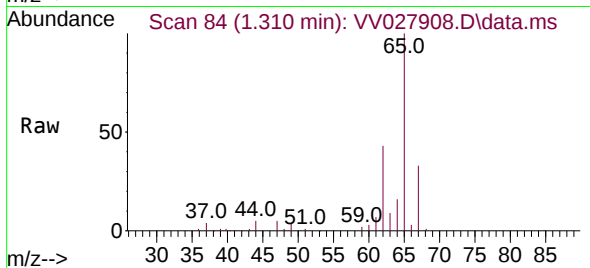
ClientSampleId :

Tgt Ion: 62 Resp: 20354

Ion Ratio Lower Upper

62 100

64 36.4 23.2 43.2



#8

Chloroethane

Concen: 12.842 ug/L

RT: 1.584 min Scan# 169

Delta R.T. 0.000 min

Lab File: VV027908.D

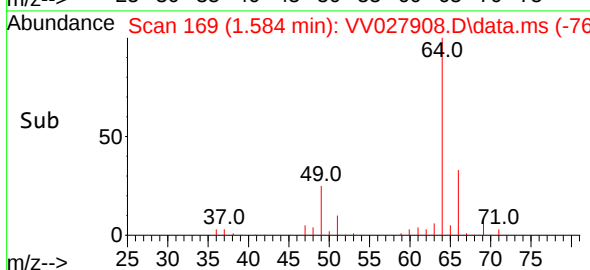
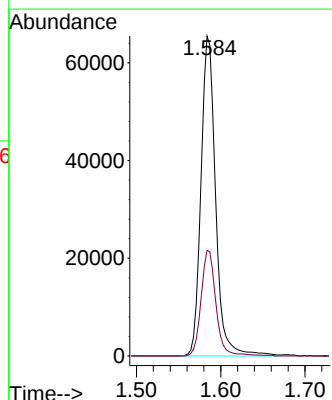
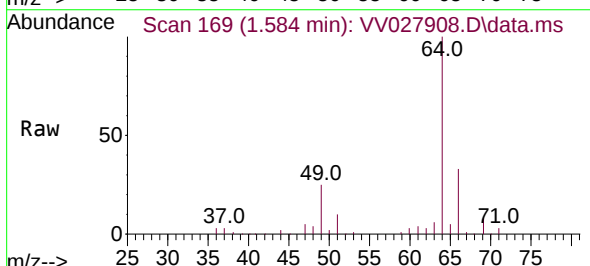
Acq: 17 Sep 2022 18:35

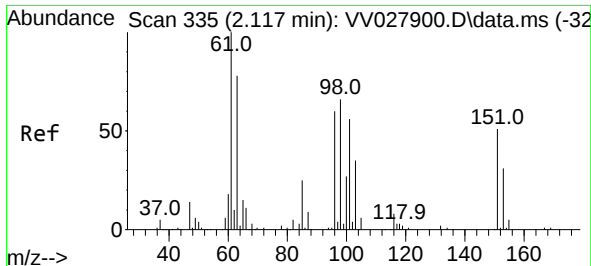
Tgt Ion: 64 Resp: 79450

Ion Ratio Lower Upper

64 100

66 33.0 22.1 41.1





#12

1,1-Dichloroethene

Concen: 0.202 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV027908.D

Acq: 17 Sep 2022 18:35

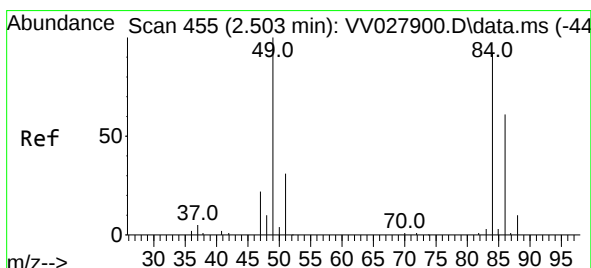
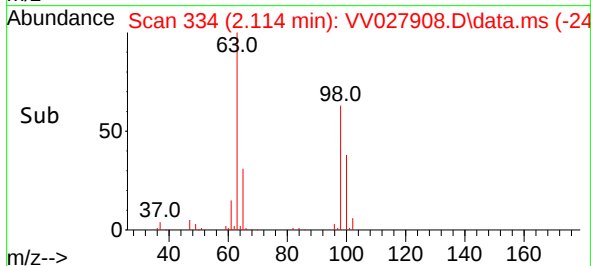
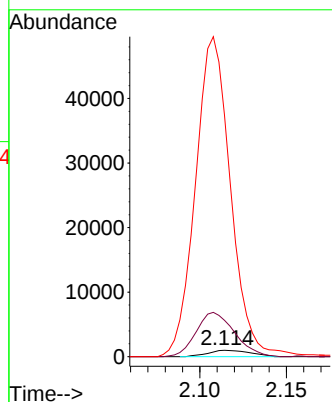
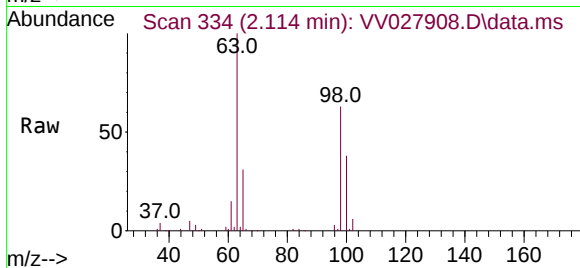
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 96 Resp: 1677

Ion	Ratio	Lower	Upper
96	100		
61	570.4	129.9	241.3#
63	3788.4	94.6	175.8#



#16

Methylene chloride

Concen: 0.546 ug/L

RT: 2.506 min Scan# 456

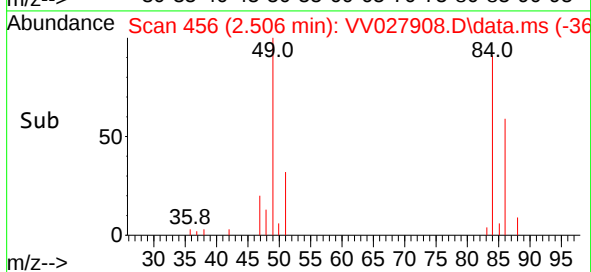
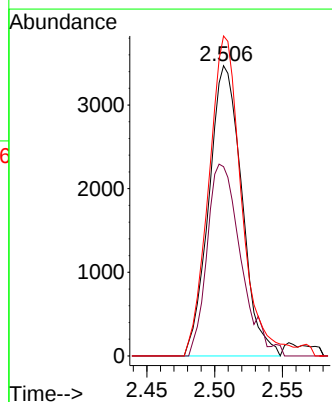
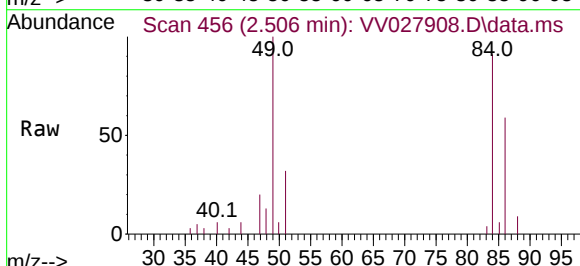
Delta R.T. 0.003 min

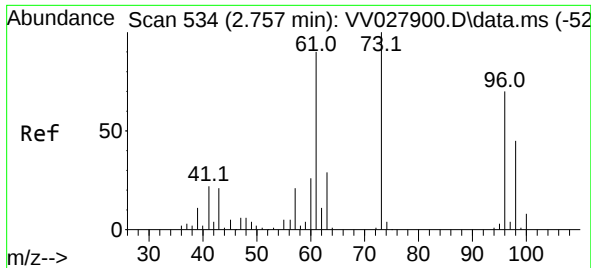
Lab File: VV027908.D

Acq: 17 Sep 2022 18:35

Tgt Ion: 84 Resp: 5854

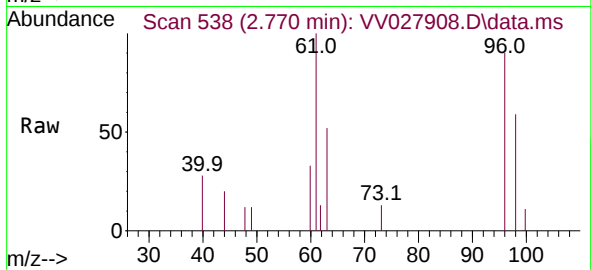
Ion	Ratio	Lower	Upper
84	100		
86	65.2	44.9	83.3
49	110.2	90.1	167.3





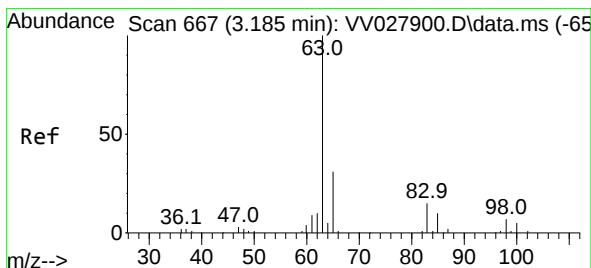
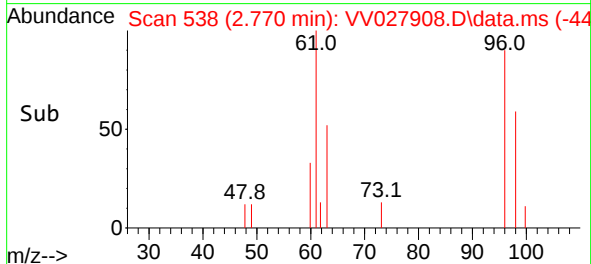
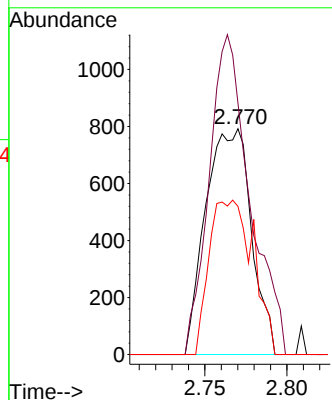
#18
trans-1,2-Dichloroethene
Concen: 0.164 ug/L
RT: 2.770 min Scan# 534
Delta R.T. 0.013 min
Lab File: VV027908.D
Acq: 17 Sep 2022 18:35

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 1527

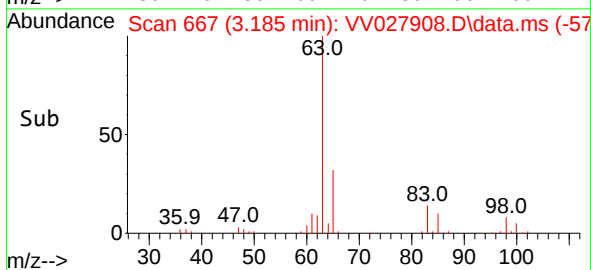
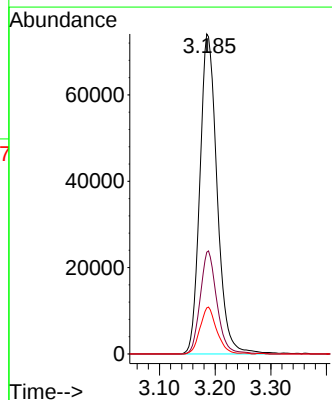
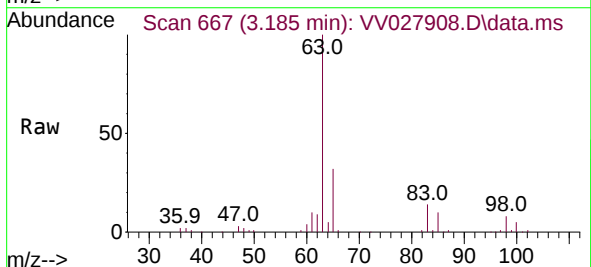
Ion	Ratio	Lower	Upper
96	100		
61	111.4	102.6	190.5
98	65.7	44.0	81.8

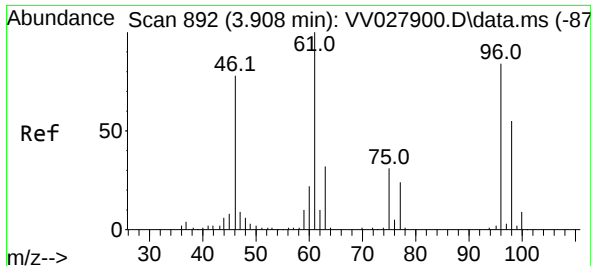


#19
1,1-Dichloroethane
Concen: 9.137 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.000 min
Lab File: VV027908.D
Acq: 17 Sep 2022 18:35

Tgt Ion: 63 Resp: 159641

Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.0	41.0
83	14.4	10.1	18.9

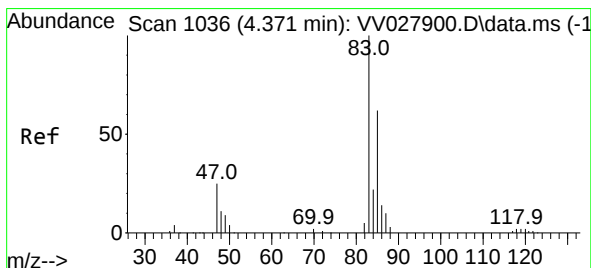
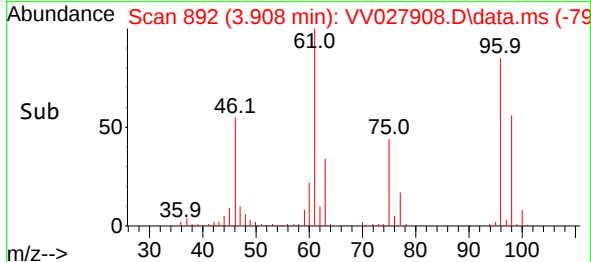
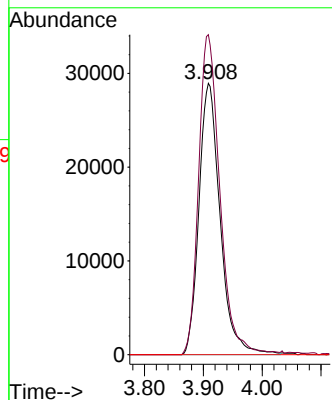
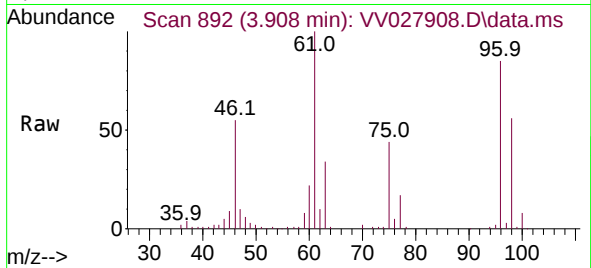




#22
 cis-1,2-Dichloroethene
 Concen: 6.901 ug/L
 RT: 3.908 min Scan# 892
 Delta R.T. 0.000 min
 Lab File: VV027908.D
 Acq: 17 Sep 2022 18:35

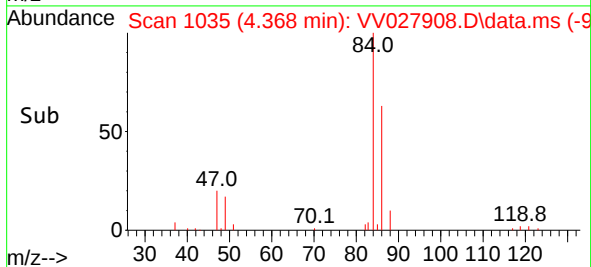
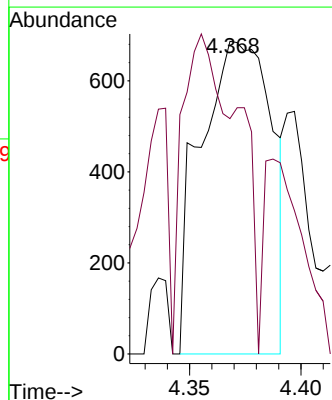
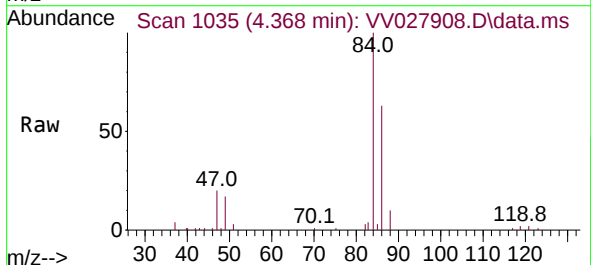
Instrument :
 MSVOA_V
 ClientSampleId :

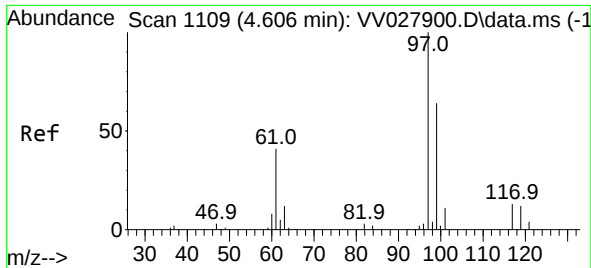
Tgt Ion: 96 Resp: 72474
 Ion Ratio Lower Upper
 96 100
 61 117.9 94.6 175.6
 68 0.0 0.3 0.5#



#25
 Chloroform
 Concen: 0.073 ug/L
 RT: 4.368 min Scan# 1035
 Delta R.T. -0.003 min
 Lab File: VV027908.D
 Acq: 17 Sep 2022 18:35

Tgt Ion: 83 Resp: 1530
 Ion Ratio Lower Upper
 83 100
 85 75.3 45.4 84.2





#29

1,1,1-Trichloroethane

Concen: 5.058 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VV027908.D

Acq: 17 Sep 2022 18:35

Instrument :

MSVOA_V

ClientSampleId :

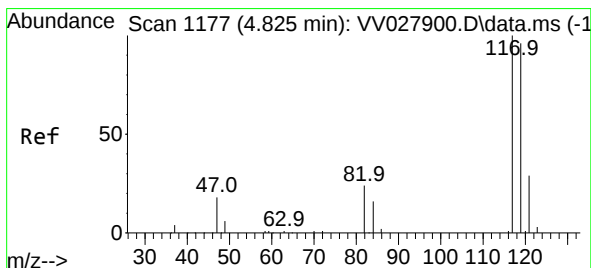
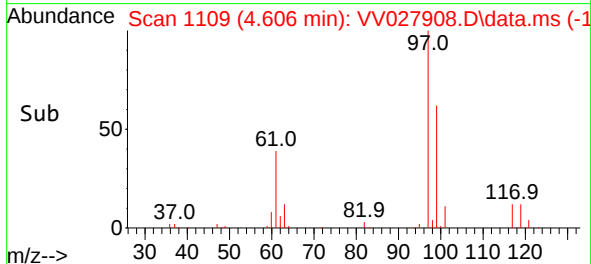
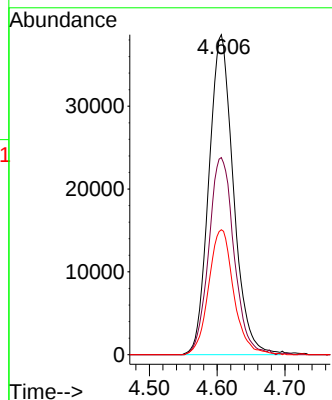
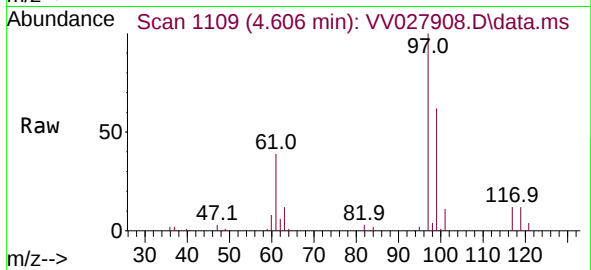
Tgt Ion: 97 Resp: 97250

Ion Ratio Lower Upper

97 100

99 63.4 50.8 76.2

61 39.9 36.2 54.4



#31

Carbon tetrachloride

Concen: 0.672 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.219 min

Lab File: VV027908.D

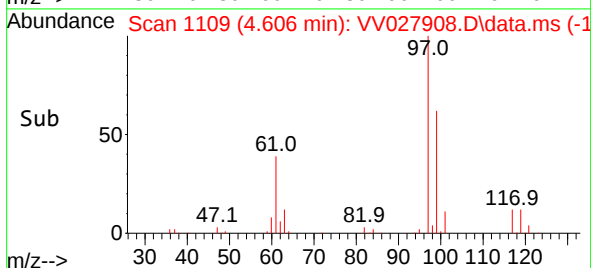
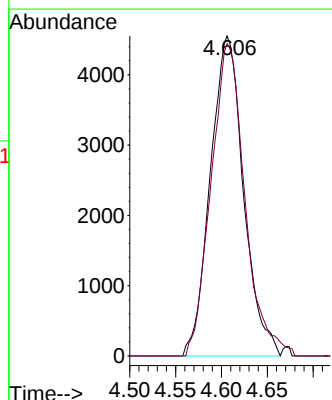
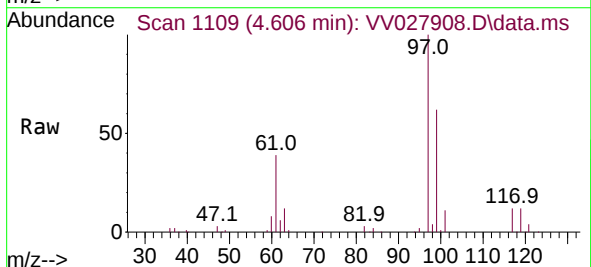
Acq: 17 Sep 2022 18:35

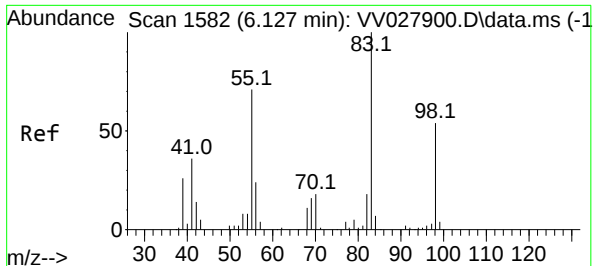
Tgt Ion: 117 Resp: 11454

Ion Ratio Lower Upper

117 100

119 99.4 75.8 113.8

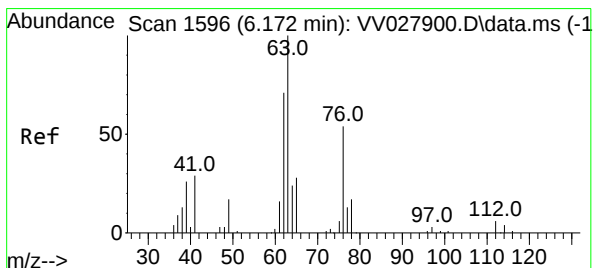
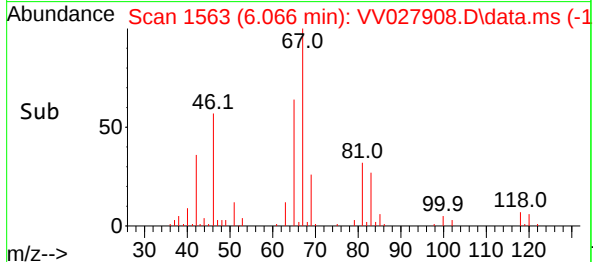
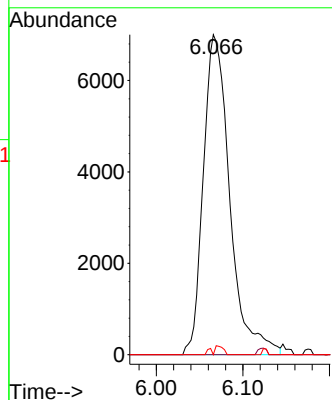
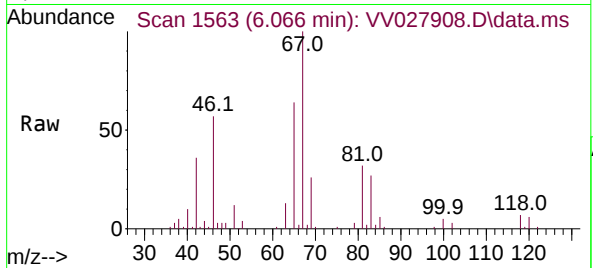




#35
Methylcyclohexane
Concen: 1.036 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. -0.061 min
Lab File: VV027908.D
Acq: 17 Sep 2022 18:35

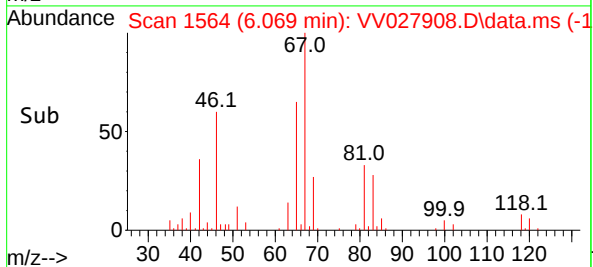
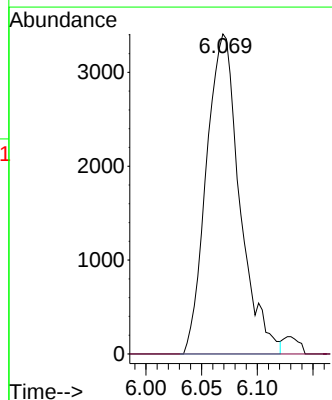
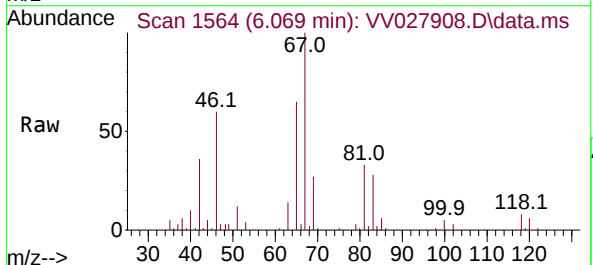
Instrument :
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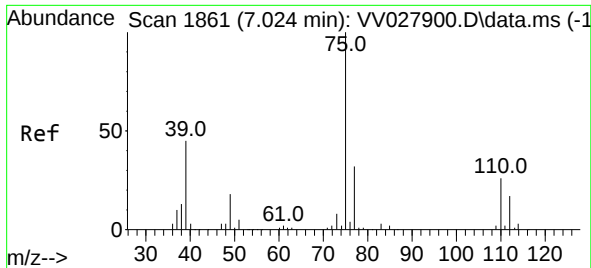
Tgt Ion: 83 Resp: 14862
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.8 37.5 56.3#



#37
1,2-Dichloropropane
Concen: 0.823 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.103 min
Lab File: VV027908.D
Acq: 17 Sep 2022 18:35

Tgt Ion: 63 Resp: 7105
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.123 ug/L

RT: 6.989 min Scan# 1861

Delta R.T. -0.035 min

Lab File: VV027908.D

Acq: 17 Sep 2022 18:35

Instrument :

MSVOA_V

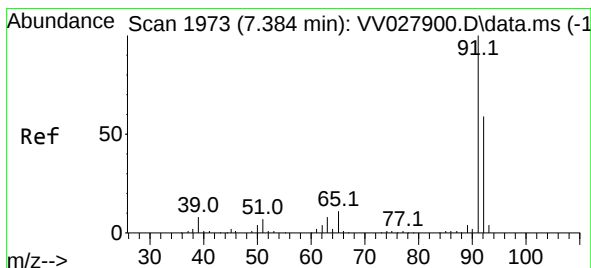
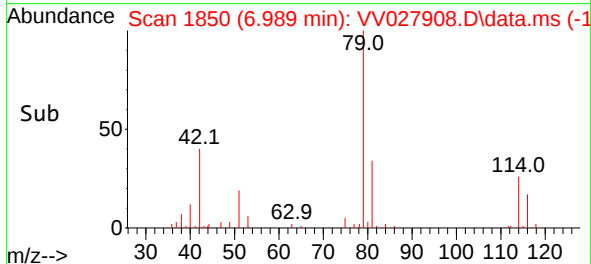
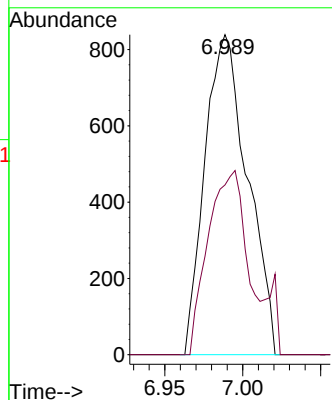
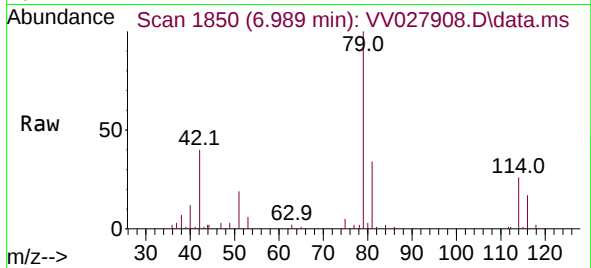
ClientSampleId :

Tgt Ion: 75 Resp: 1596

Ion Ratio Lower Upper

75 100

77 53.0 22.0 40.8#



#42

Toluene

Concen: 0.704 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.006 min

Lab File: VV027908.D

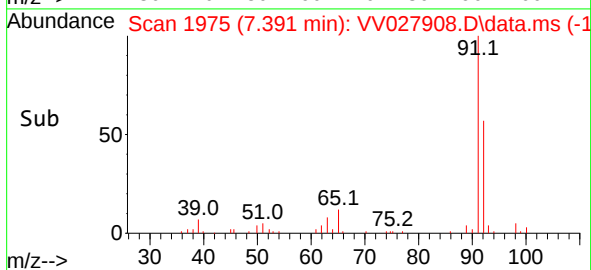
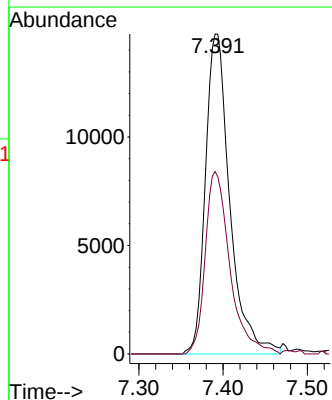
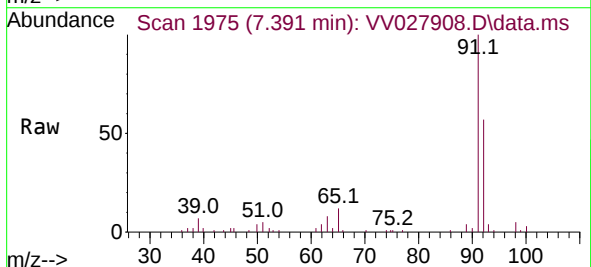
Acq: 17 Sep 2022 18:35

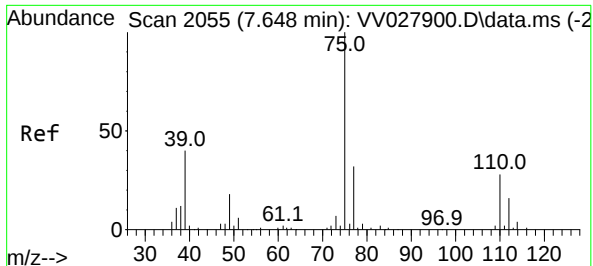
Tgt Ion: 91 Resp: 29656

Ion Ratio Lower Upper

91 100

92 57.0 40.8 75.8

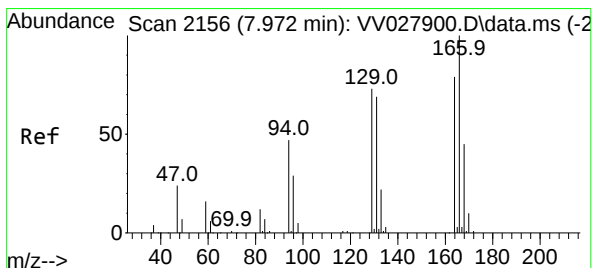
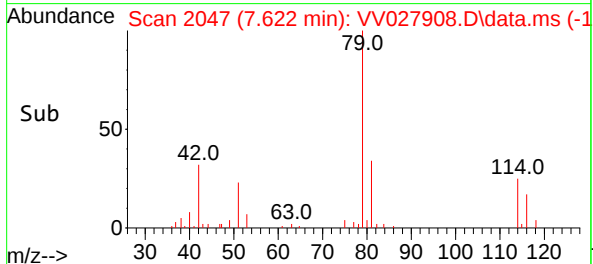
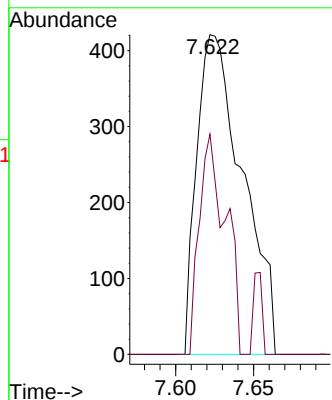
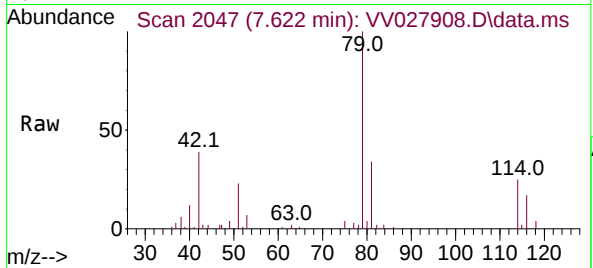




#44
trans-1,3-Dichloropropene
Concen: 0.075 ug/L
RT: 7.622 min Scan# 2055
Delta R.T. -0.026 min
Lab File: VV027908.D
Acq: 17 Sep 2022 18:35

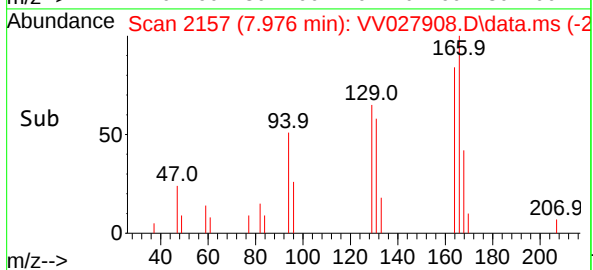
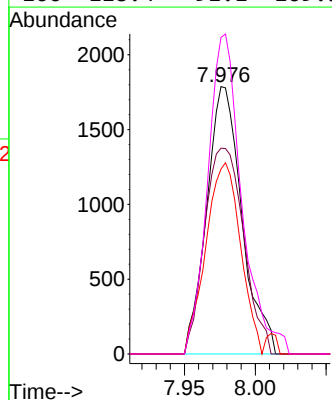
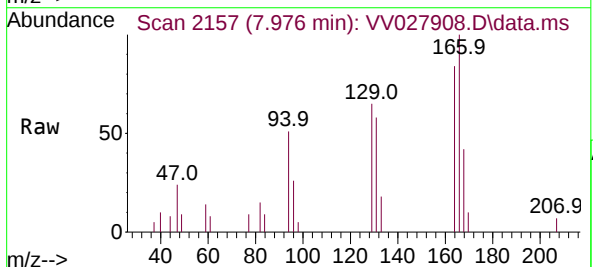
Instrument :
MSVOA_V
ClientSampleId :

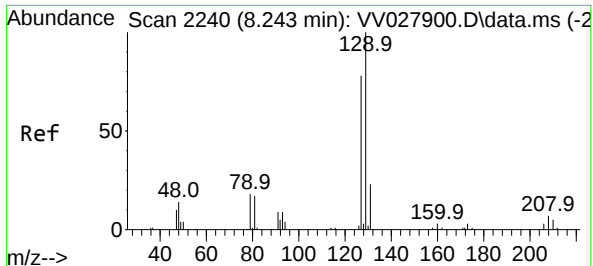
Tgt Ion: 75 Resp: 863
Ion Ratio Lower Upper
75 100
77 68.9 22.6 42.0#



#47
Tetrachloroethene
Concen: 0.357 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV027908.D
Acq: 17 Sep 2022 18:35

Tgt Ion:164 Resp: 3090
Ion Ratio Lower Upper
164 100
129 77.0 67.2 124.8
131 69.2 61.5 114.3
166 118.4 91.1 169.3





#49

Dibromochloromethane

Concen: 0.300 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV027908.D

Acq: 17 Sep 2022 18:35

Instrument :

MSVOA_V

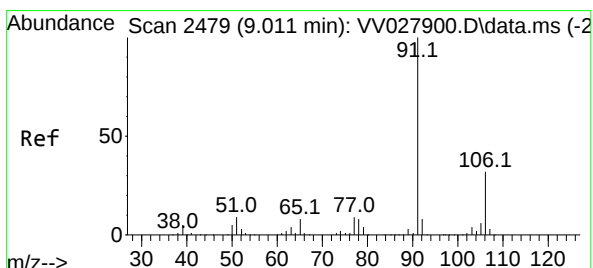
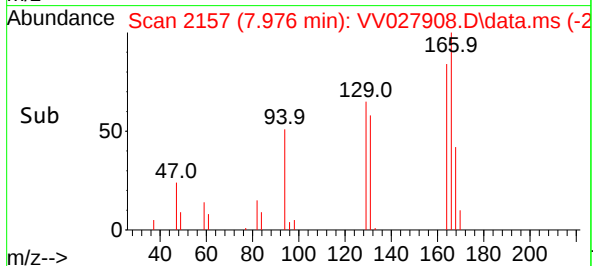
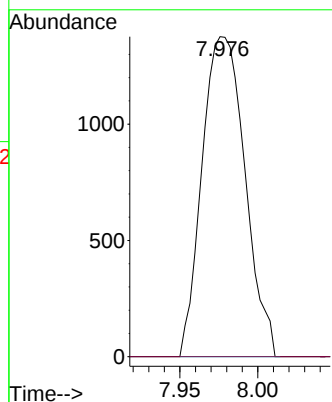
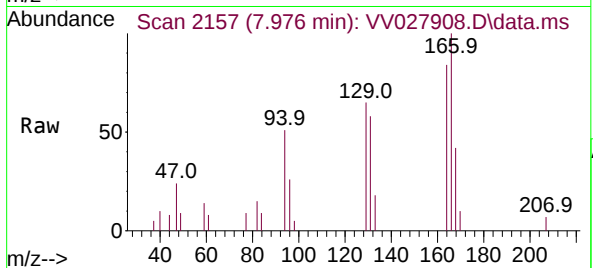
ClientSampleId :

Tgt Ion:129 Resp: 2640

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



#52

Ethylbenzene

Concen: 0.145 ug/L

RT: 9.014 min Scan# 2480

Delta R.T. 0.003 min

Lab File: VV027908.D

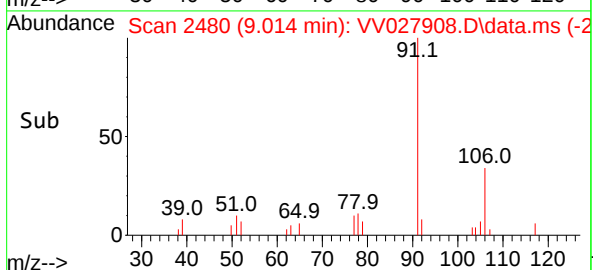
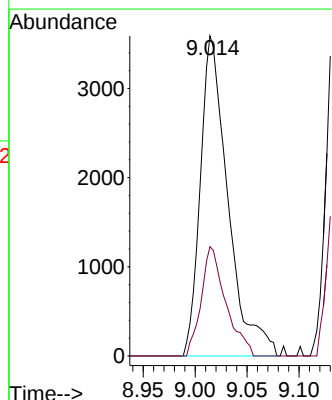
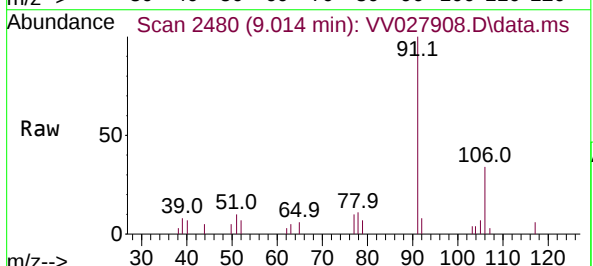
Acq: 17 Sep 2022 18:35

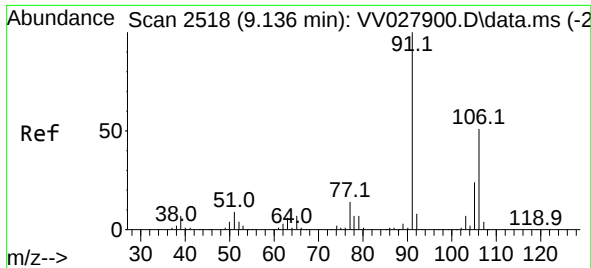
Tgt Ion: 91 Resp: 6623

Ion Ratio Lower Upper

91 100

106 34.1 22.0 40.8

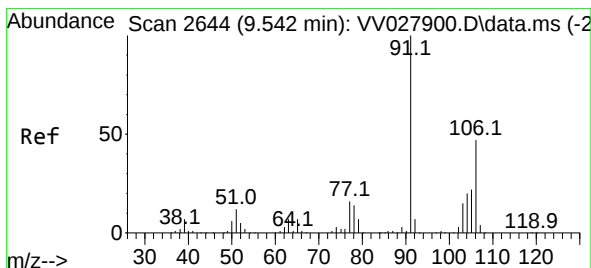
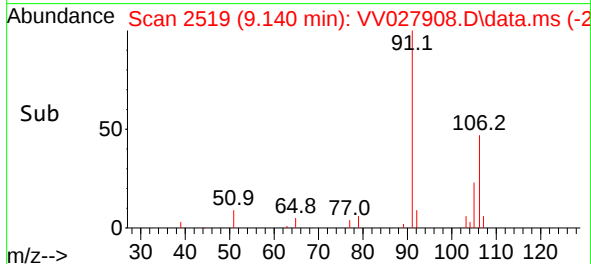
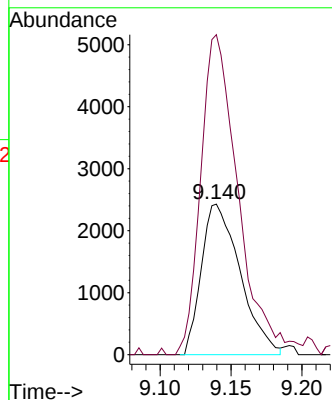
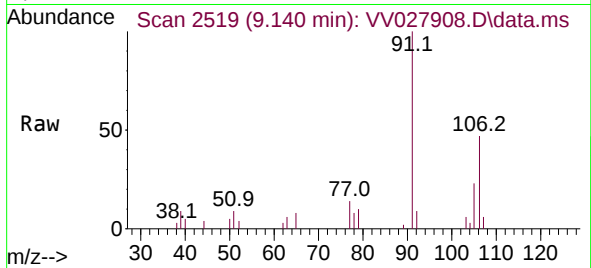




#53
m,p-Xylene
Concen: 0.255 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV027908.D
Acq: 17 Sep 2022 18:35

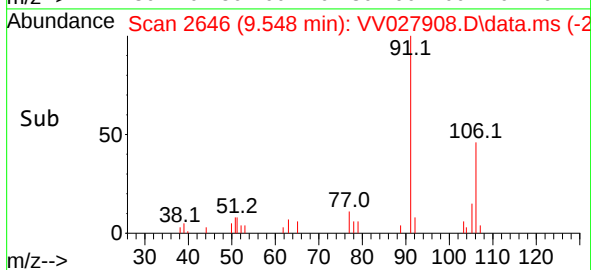
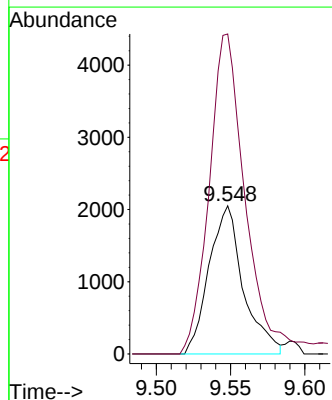
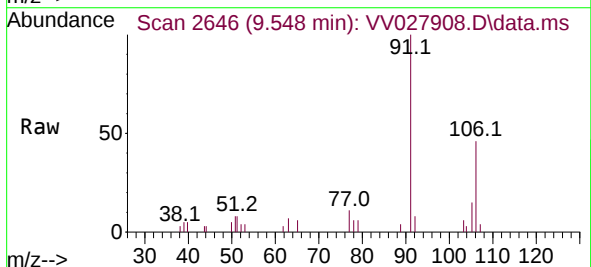
Instrument :
MSVOA_V
ClientSampleId :

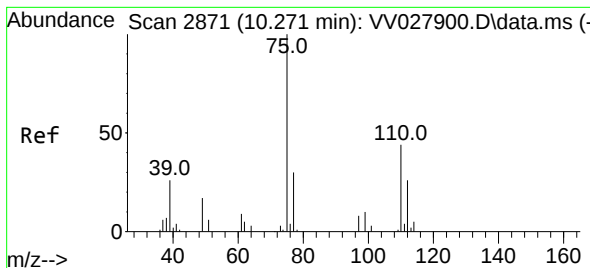
Tgt Ion:106 Resp: 4624
Ion Ratio Lower Upper
106 100
91 212.5 142.4 264.4



#54
o-Xylene
Concen: 0.187 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.006 min
Lab File: VV027908.D
Acq: 17 Sep 2022 18:35

Tgt Ion:106 Resp: 3302
Ion Ratio Lower Upper
106 100
91 215.9 147.5 273.9





#61

1,2,3-Trichloropropane

Concen: 1.381 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV027908.D

Acq: 17 Sep 2022 18:35

Instrument :

MSVOA_V

ClientSampleId :

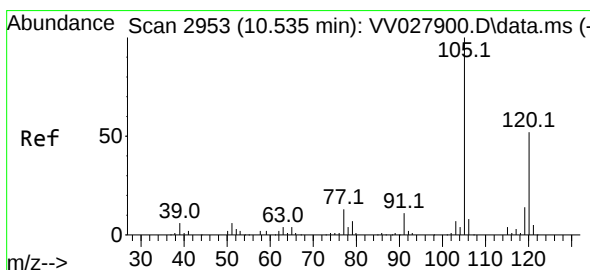
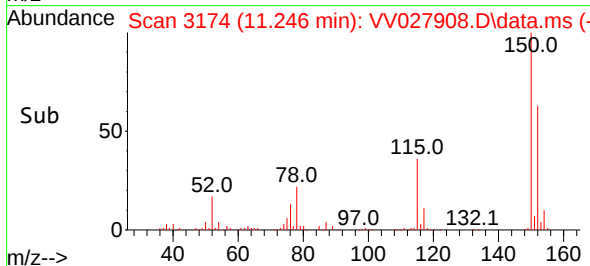
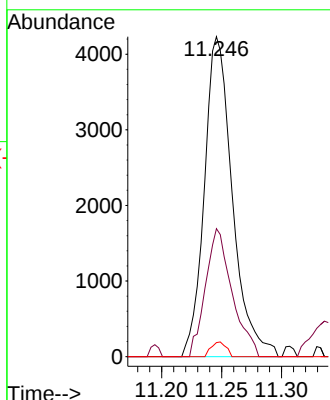
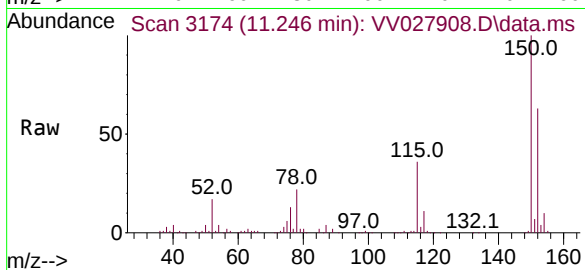
Tgt Ion: 75 Resp: 6883

Ion Ratio Lower Upper

75 100

77 37.8 27.6 41.4

110 2.4 35.6 53.4#



#62

1,3,5-Trimethylbenzene

Concen: 0.234 ug/L

RT: 10.542 min Scan# 2955

Delta R.T. 0.006 min

Lab File: VV027908.D

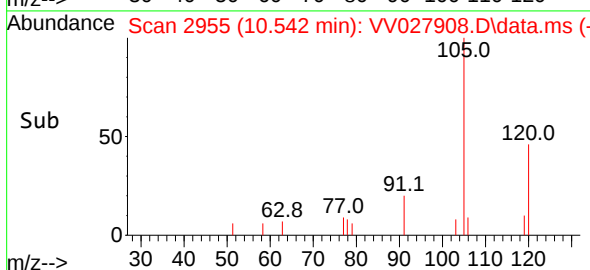
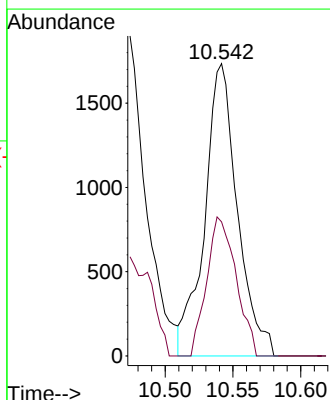
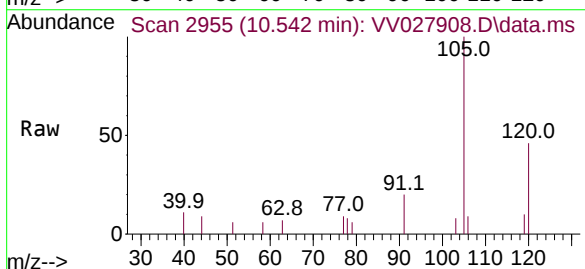
Acq: 17 Sep 2022 18:35

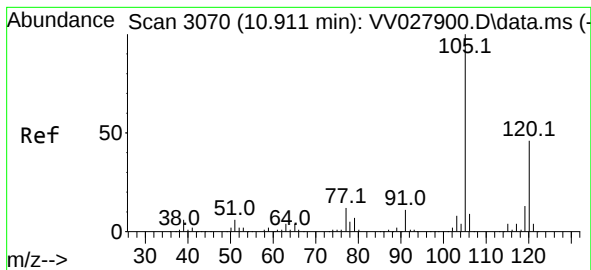
Tgt Ion: 105 Resp: 2909

Ion Ratio Lower Upper

105 100

120 42.6 39.6 59.4





#63

1,2,4-Trimethylbenzene

Concen: 0.343 ug/L

RT: 10.915 min Scan# 3070

Delta R.T. 0.003 min

Lab File: VV027908.D

Acq: 17 Sep 2022 18:35

Instrument :

MSVOA_V

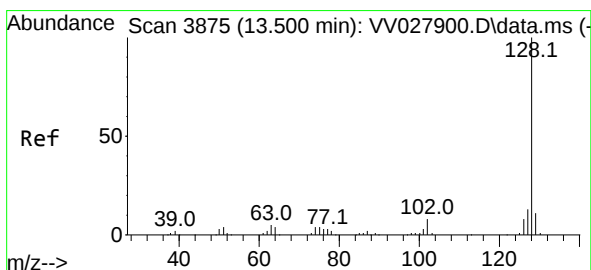
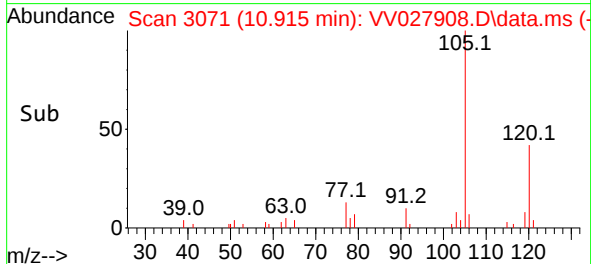
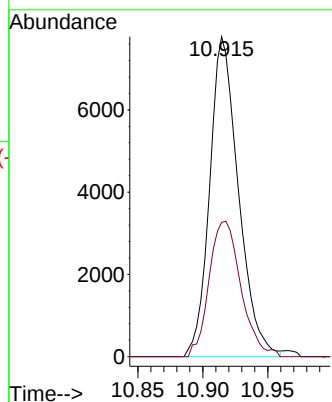
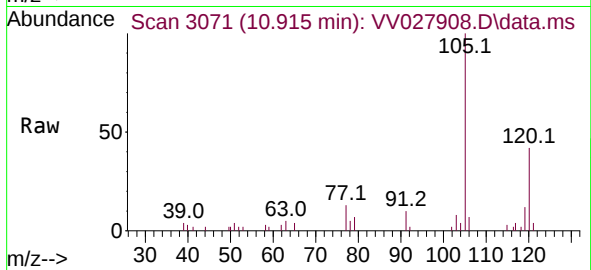
ClientSampleId :

Tgt Ion:105 Resp: 11974

Ion Ratio Lower Upper

105 100

120 46.8 37.4 56.0



#71

Naphthalene

Concen: 0.125 ug/L

RT: 13.512 min Scan# 3879

Delta R.T. 0.013 min

Lab File: VV027908.D

Acq: 17 Sep 2022 18:35

Tgt Ion:128 Resp: 2377

Ion Ratio Lower Upper

128 100

129 3.1 9.2 13.8#

127 8.8 10.6 16.0#

