

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029258.D
 Acq On : 21 Nov 2022 05:26
 Operator : SY/MD
 Sample : N5725-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 05:50:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 03:37:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	501023	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	447044	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	226155	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	125303	4.102	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.000%
7) Chloroethane-d5	1.565	69	107502	4.003	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.111	63	346036	6.217	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	124.400%
20) 2-Butanone-d5	3.880	46	300962	58.861	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.720%
24) Chloroform-d	4.339	84	236553	3.772	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.400%
26) 1,2-Dichloroethane-d4	5.024	65	105780	3.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.000%
32) Benzene-d6	5.044	84	493306	3.697	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.000%
36) 1,2-Dichloropropane-d6	6.063	67	155616	4.176	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.600%
41) Toluene-d8	7.307	98	439419	3.658	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.200%
43) trans-1,3-Dichloroprop...	7.613	79	55523	4.569	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.079	63	266202	51.318	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.640%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	109602	4.243	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.800%
66) 1,2-Dichlorobenzene-d4	11.616	152	166938	4.126	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	4698	0.112	ug/L	100
3) Chloromethane	1.240	50	8613	0.248	ug/L	100
5) Vinyl chloride	1.307	62	2032	0.051	ug/L #	1
12) 1,1-Dichloroethene	2.114	96	390848	12.886	ug/L #	85
14) Carbon disulfide	2.294	76	71928	0.668	ug/L	99
17) Methyl tert-butyl Ether	2.764	73	3375	0.052	ug/L #	69
18) trans-1,2-Dichloroethene	2.757	96	5329	0.151	ug/L	93
19) 1,1-Dichloroethane	3.182	63	1454651	25.296	ug/L	100
22) cis-1,2-Dichloroethene	3.899	96	5245804	146.685	ug/L #	98
25) Chloroform	4.365	83	19225	0.319	ug/L	94
27) 1,2-Dichloroethane	5.124	62	49991	1.610	ug/L	98
29) 1,1,1-Trichloroethane	4.597	97	1621645	30.913	ug/L	98
31) Carbon tetrachloride	4.597	117	221597	4.905	ug/L	99
33) Benzene	5.098	78	5994	0.044	ug/L	100
34) Trichloroethene	5.905	95	1086116	31.056	ug/L	98
35) Methylcyclohexane	6.063	83	35995	0.586	ug/L #	22
37) 1,2-Dichloropropane	6.063	63	15150	0.481	ug/L #	85
39) cis-1,3-Dichloropropene	6.979	75	3549	0.081	ug/L #	65
49) Dibromochloromethane	7.973	129	667	0.027	ug/L #	10

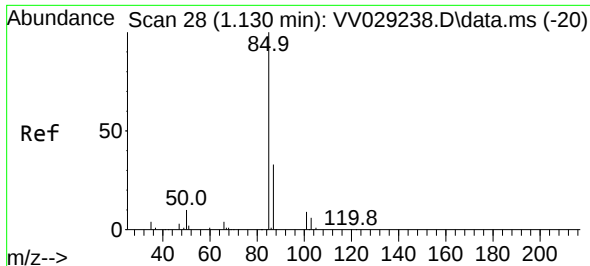
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 03:37:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.008	91	7155	0.047	ug/L	100
53) m,p-Xylene	9.130	106	4389	0.072	ug/L	91
61) 1,2,3-Trichloropropane	11.239	75	25538	1.652	ug/L #	65
62) 1,3,5-Trimethylbenzene	10.532	105	6191	0.050	ug/L	95
71) Naphthalene	13.490	128	2363423	45.509	ug/L	99

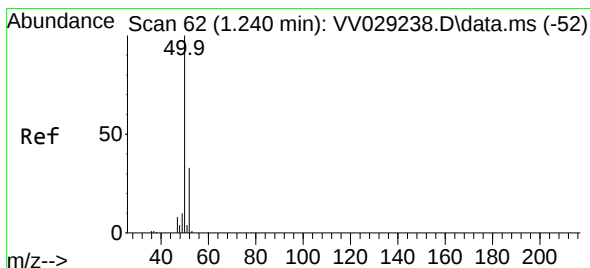
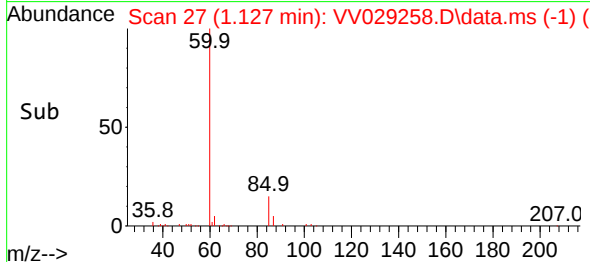
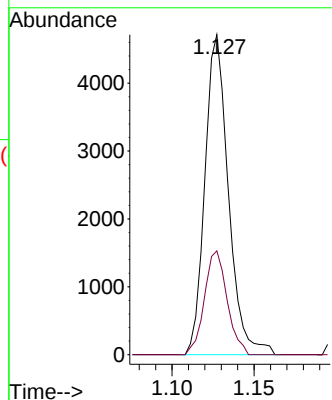
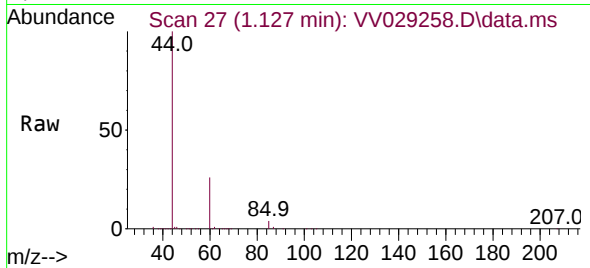
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.112 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV029258.D
 Acq: 21 Nov 2022 05:26

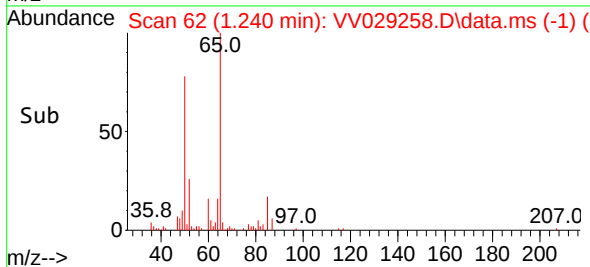
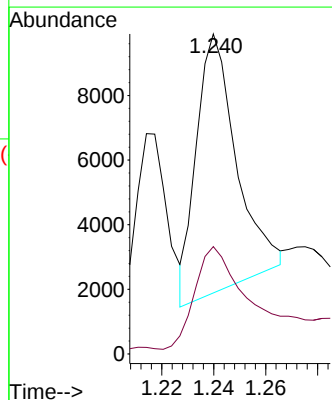
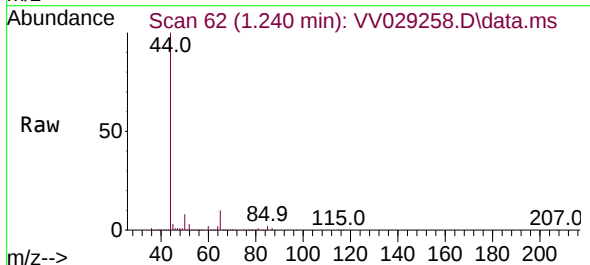
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 MSVOA_V
 ClientSampleId :

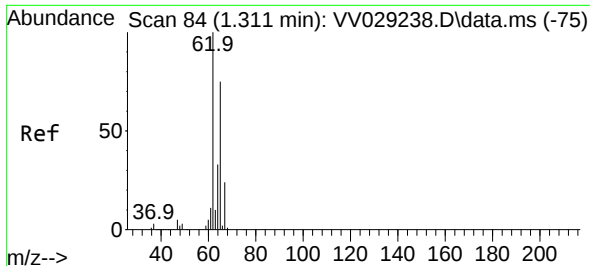
Tgt Ion: 85 Resp: 4698
 Ion Ratio Lower Upper
 85 100
 87 31.3 25.0 37.4



#3
 Chloromethane
 Concen: 0.248 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029258.D
 Acq: 21 Nov 2022 05:26

Tgt Ion: 50 Resp: 8613
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.7 43.9

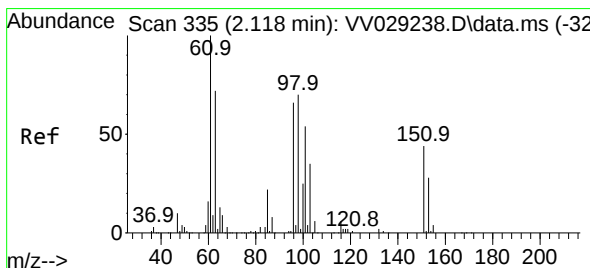
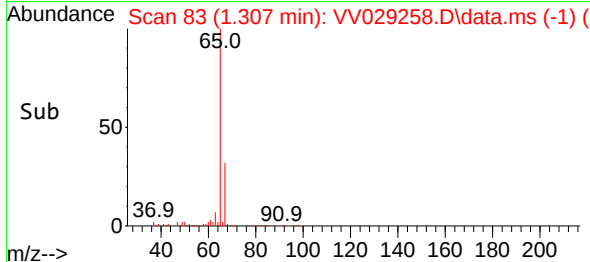
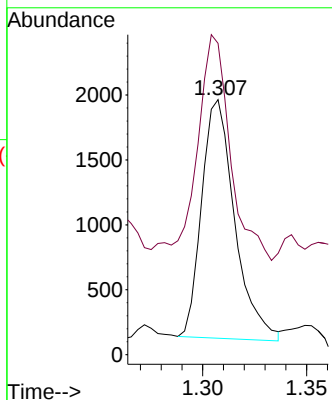
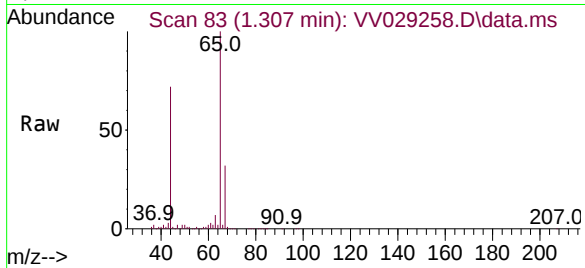




#5
 Vinyl chloride
 Concen: 0.051 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV029258.D
 Acq: 21 Nov 2022 05:26

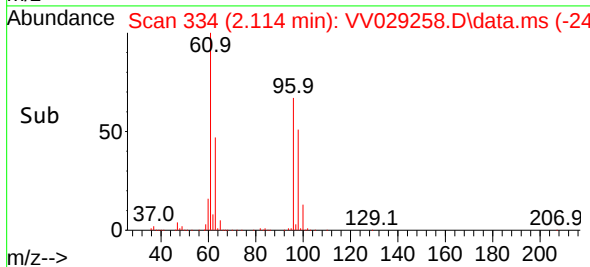
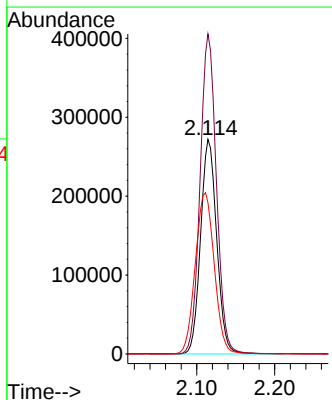
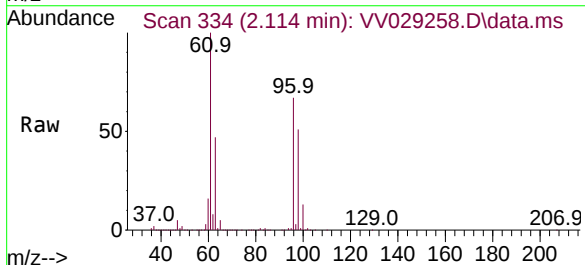
Instrument :
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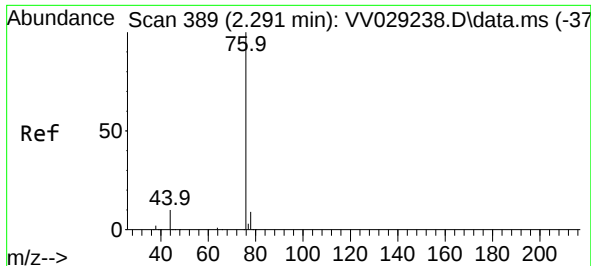
Tgt Ion: 62 Resp: 2032
 Ion Ratio Lower Upper
 62 100
 64 122.0 22.8 42.4#



#12
 1,1-Dichloroethene
 Concen: 12.886 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.003 min
 Lab File: VV029258.D
 Acq: 21 Nov 2022 05:26

Tgt Ion: 96 Resp: 390848
 Ion Ratio Lower Upper
 96 100
 61 149.2 104.2 193.4
 63 70.5 75.9 140.9#

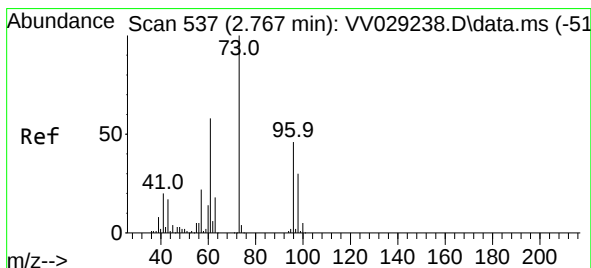
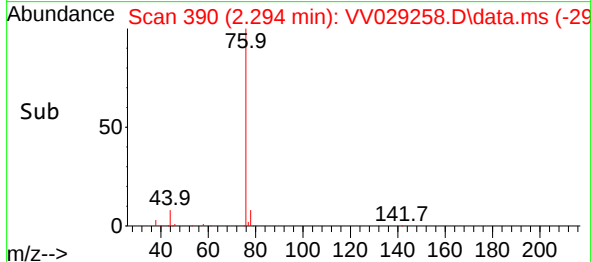
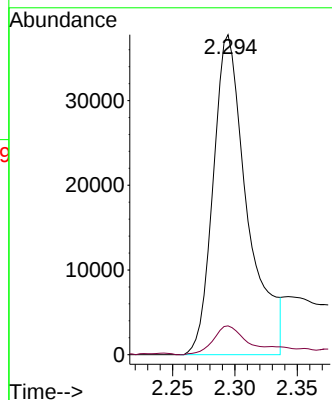
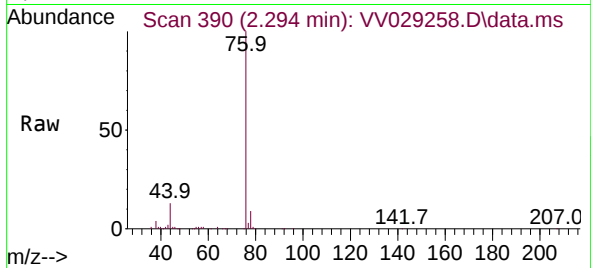




#14
Carbon disulfide
Concen: 0.668 ug/L
RT: 2.294 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV029258.D
Acq: 21 Nov 2022 05:26

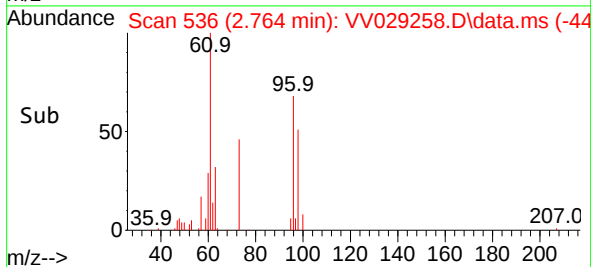
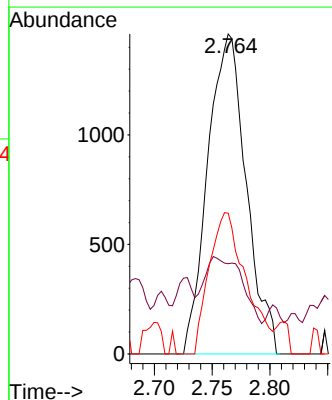
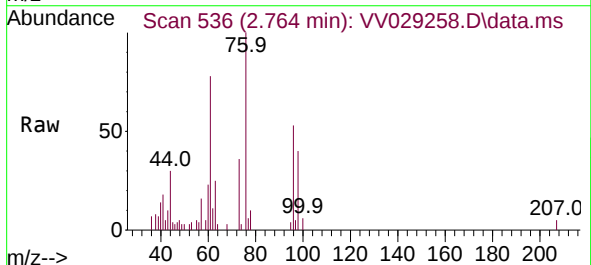
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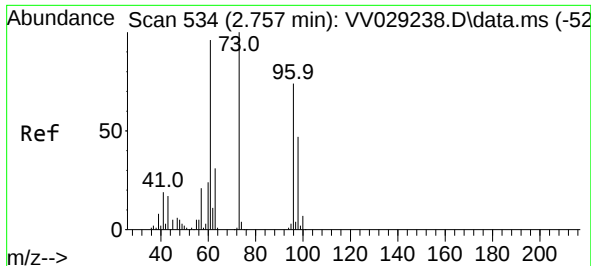
Tgt Ion: 76 Resp: 71928
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#17
Methyl tert-butyl Ether
Concen: 0.052 ug/L
RT: 2.764 min Scan# 536
Delta R.T. -0.003 min
Lab File: VV029258.D
Acq: 21 Nov 2022 05:26

Tgt Ion: 73 Resp: 3375
Ion Ratio Lower Upper
73 100
43 20.4 13.0 19.4#
57 42.6 16.6 24.8#

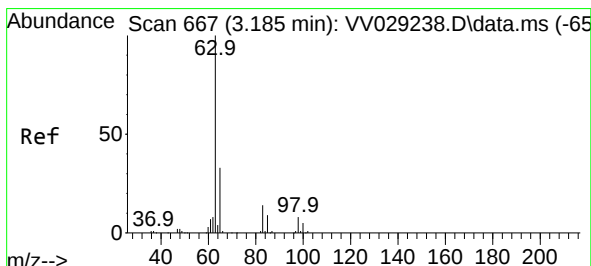
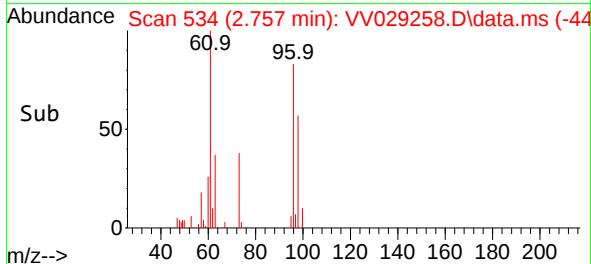
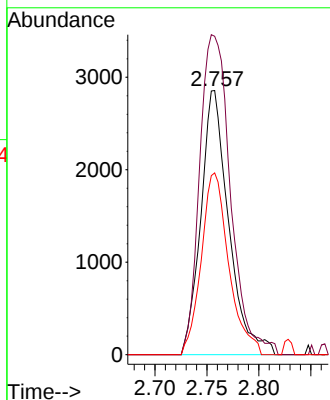
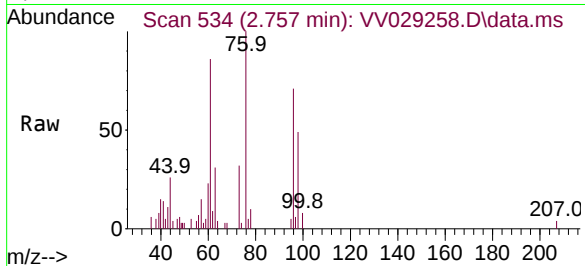




#18
trans-1,2-Dichloroethene
Concen: 0.151 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV029258.D
Acq: 21 Nov 2022 05:26

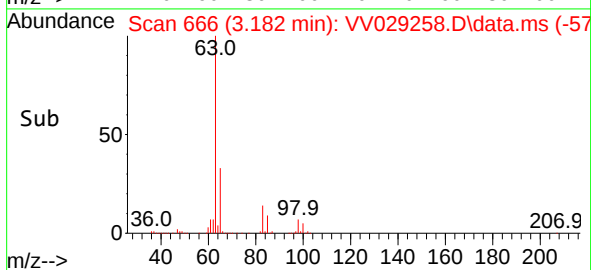
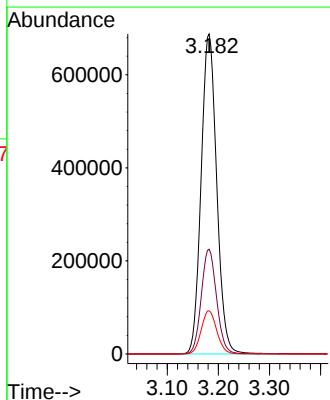
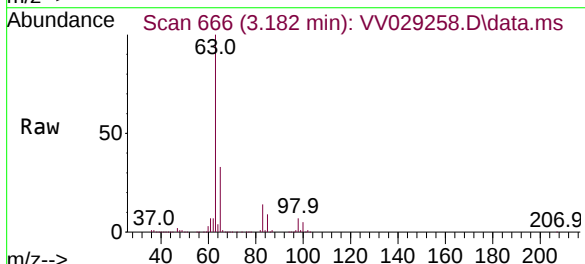
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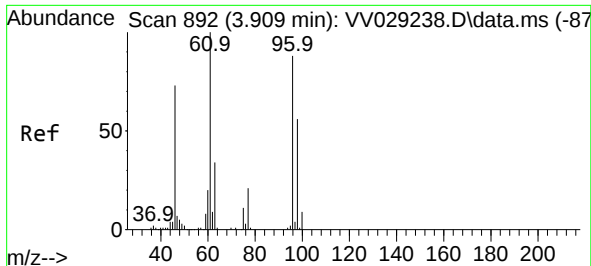
Tgt Ion: 96 Resp: 5329
Ion Ratio Lower Upper
96 100
61 120.5 91.8 170.6
98 68.8 46.4 86.2



#19
1,1-Dichloroethane
Concen: 25.296 ug/L
RT: 3.182 min Scan# 666
Delta R.T. -0.003 min
Lab File: VV029258.D
Acq: 21 Nov 2022 05:26

Tgt Ion: 63 Resp: 1454651
Ion Ratio Lower Upper
63 100
65 32.7 23.0 42.6
83 13.5 9.4 17.6

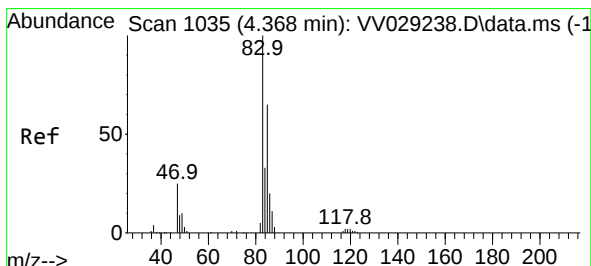
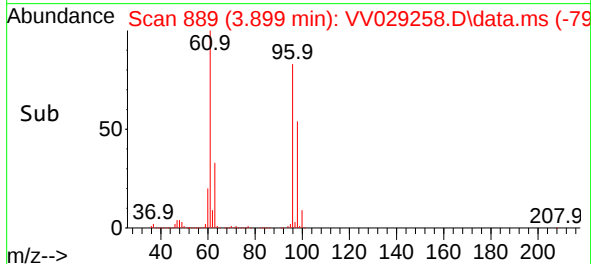
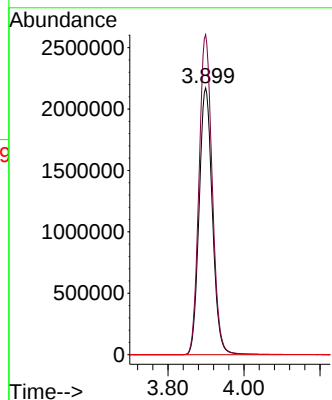
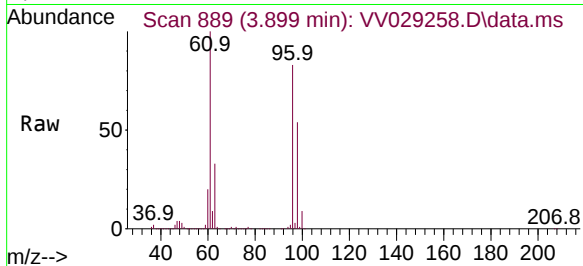




#22
 cis-1,2-Dichloroethene
 Concen: 146.685 ug/L
 RT: 3.899 min Scan# 892
 Delta R.T. -0.010 min
 Lab File: VV029258.D
 Acq: 21 Nov 2022 05:26

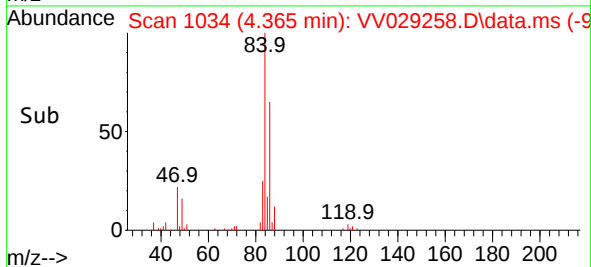
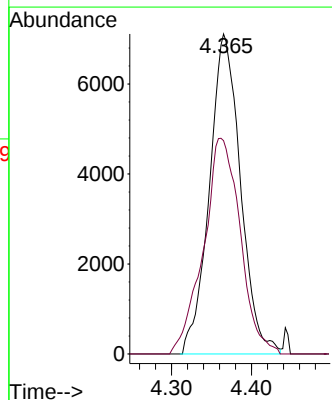
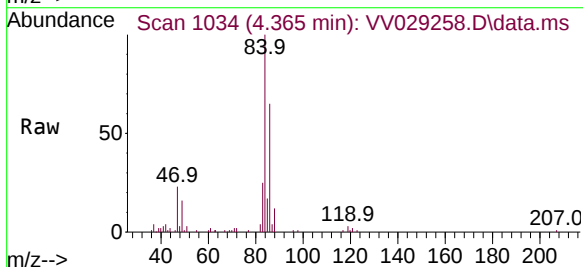
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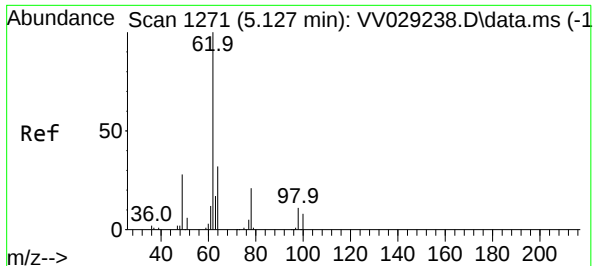
Tgt Ion: 96 Resp: 5245804
 Ion Ratio Lower Upper
 96 100
 61 120.0 82.3 152.9
 68 0.0 0.0 0.0#



#25
 Chloroform
 Concen: 0.319 ug/L
 RT: 4.365 min Scan# 1034
 Delta R.T. -0.003 min
 Lab File: VV029258.D
 Acq: 21 Nov 2022 05:26

Tgt Ion: 83 Resp: 19225
 Ion Ratio Lower Upper
 83 100
 85 66.6 43.7 81.1





#27

1,2-Dichloroethane

Concen: 1.610 ug/L

RT: 5.124 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV029258.D

Acq: 21 Nov 2022 05:26

Instrument :

MSVOA_V

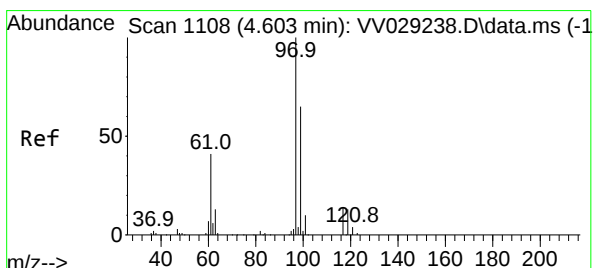
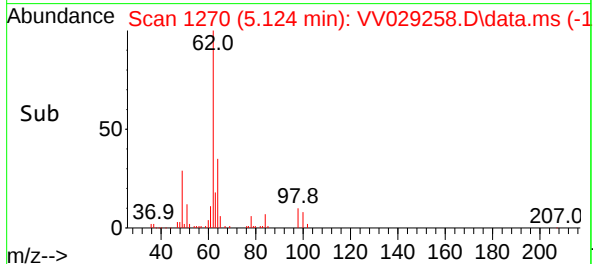
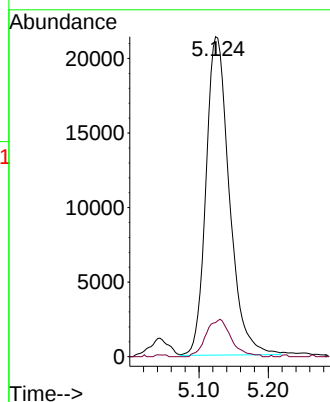
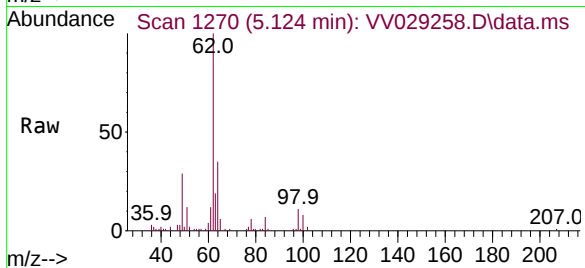
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Tgt Ion: 62 Resp: 49991

Ion Ratio Lower Upper

62 100

98 10.6 9.0 13.6



#29

1,1,1-Trichloroethane

Concen: 30.913 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. -0.006 min

Lab File: VV029258.D

Acq: 21 Nov 2022 05:26

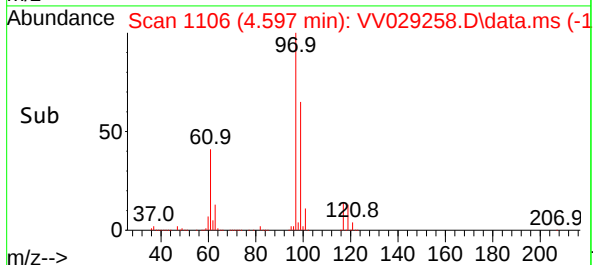
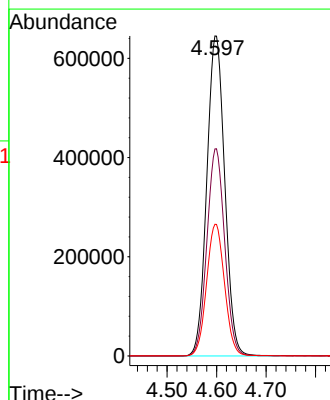
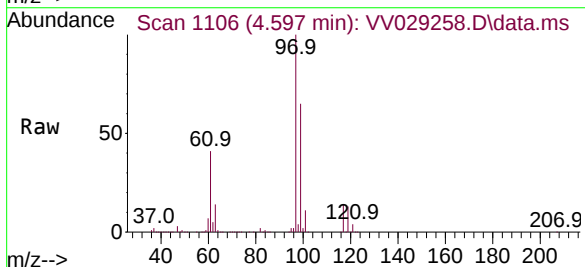
Tgt Ion: 97 Resp: 1621645

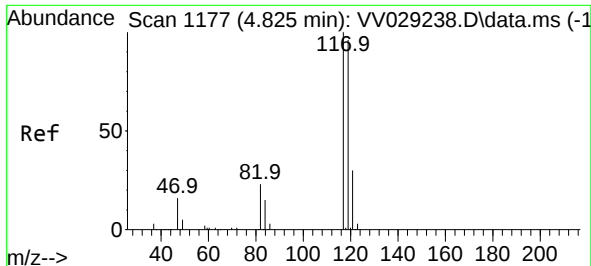
Ion Ratio Lower Upper

97 100

99 64.4 52.7 79.1

61 41.1 33.8 50.6

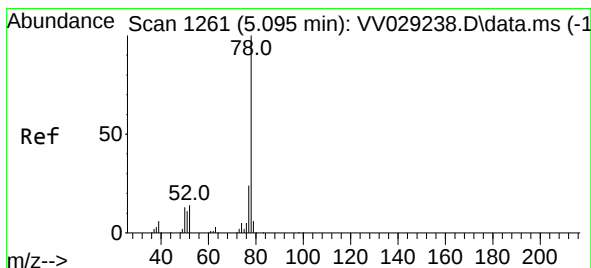
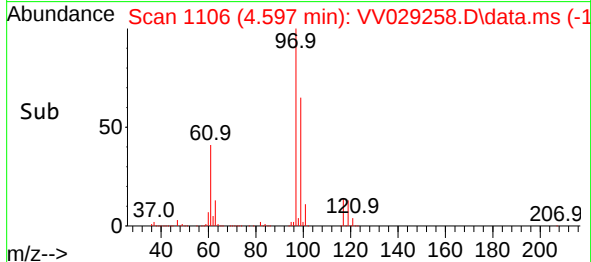
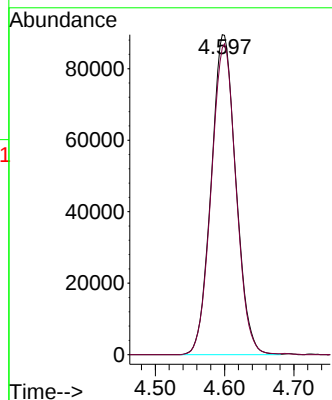
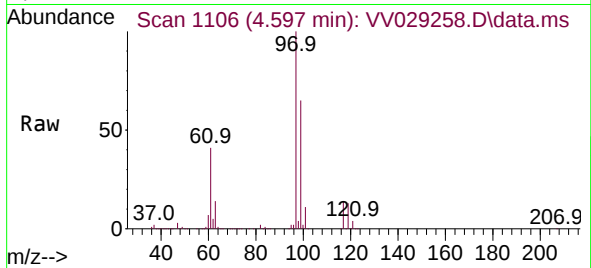




#31
Carbon tetrachloride
Concen: 4.905 ug/L
RT: 4.597 min Scan# 1177
Delta R.T. -0.228 min
Lab File: VV029258.D
Acq: 21 Nov 2022 05:26

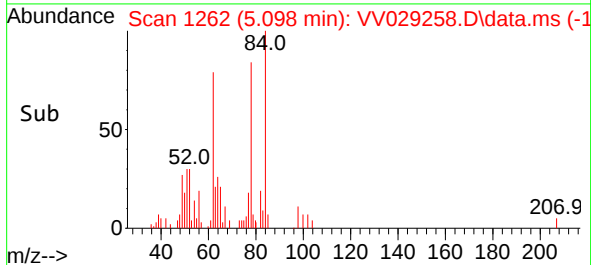
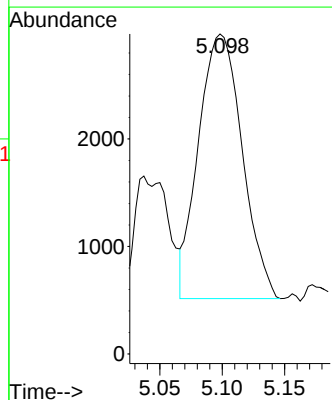
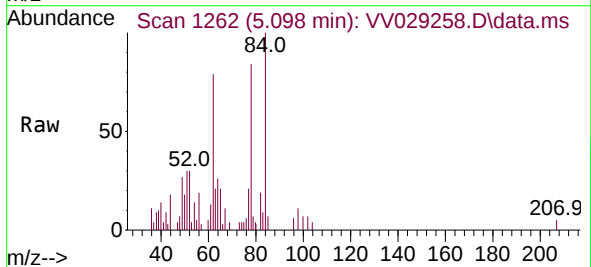
Instrument :
MSVOA_V
ClientSampleId :

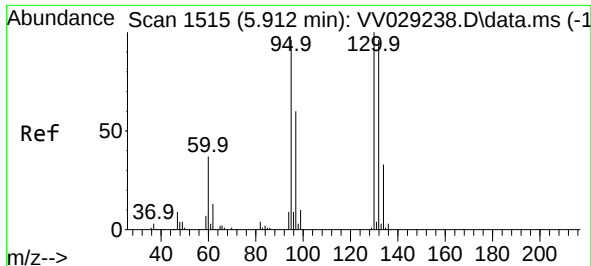
Tgt Ion:117 Resp: 221597
Ion Ratio Lower Upper
117 100
119 97.1 77.0 115.6



#33
Benzene
Concen: 0.044 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.003 min
Lab File: VV029258.D
Acq: 21 Nov 2022 05:26

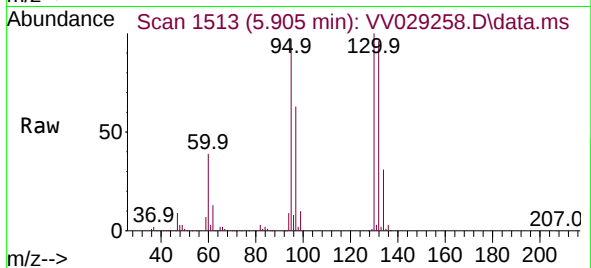
Tgt Ion: 78 Resp: 5994





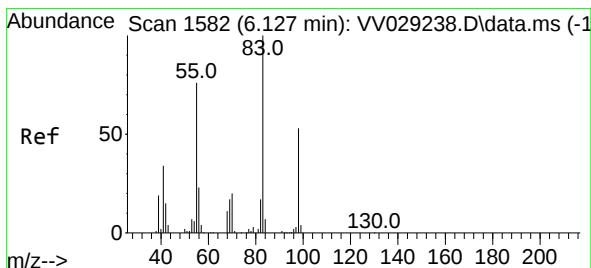
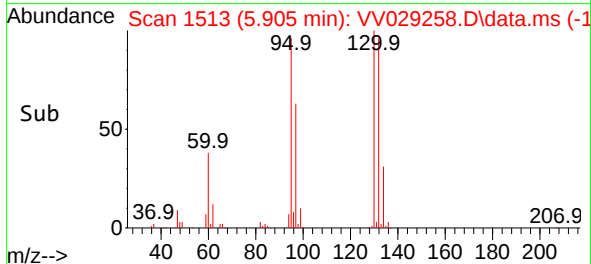
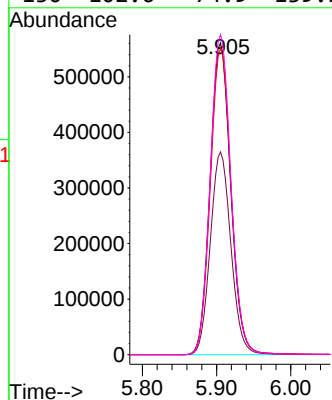
#34
Trichloroethene
Concen: 31.056 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VV029258.D
Acq: 21 Nov 2022 05:26

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 1086116

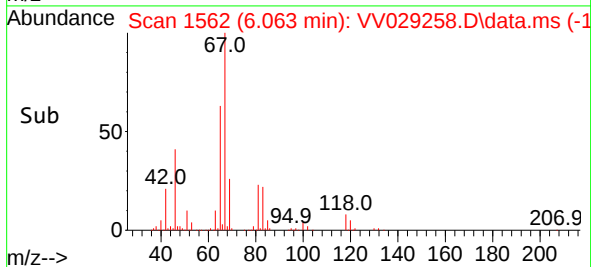
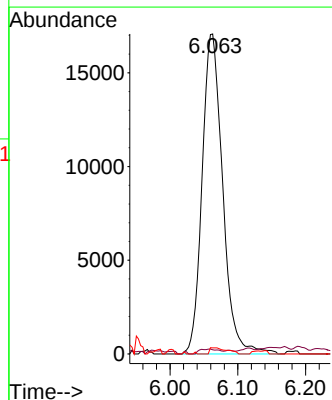
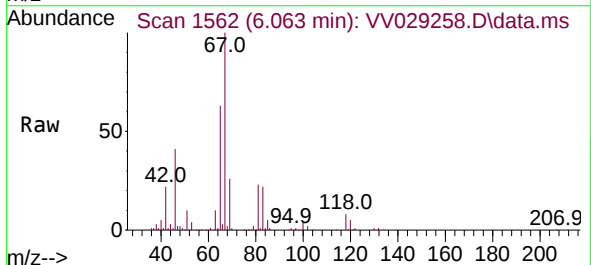
Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.6	84.8
132	98.4	69.1	128.3
130	102.6	74.9	139.1

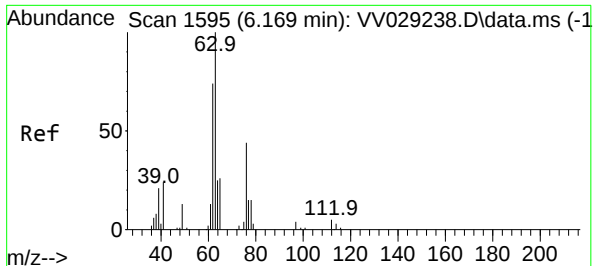


#35
Methylcyclohexane
Concen: 0.586 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.064 min
Lab File: VV029258.D
Acq: 21 Nov 2022 05:26

Tgt Ion: 83 Resp: 35995

Ion	Ratio	Lower	Upper
83	100		
55	1.5	55.8	83.6#
98	0.0	38.2	57.2#





#37

1,2-Dichloropropane

Concen: 0.481 ug/L

RT: 6.063 min Scan# 1

Delta R.T. -0.106 min

Lab File: VV029258.D

Acq: 21 Nov 2022 05:26

Instrument :

MSVOA_V

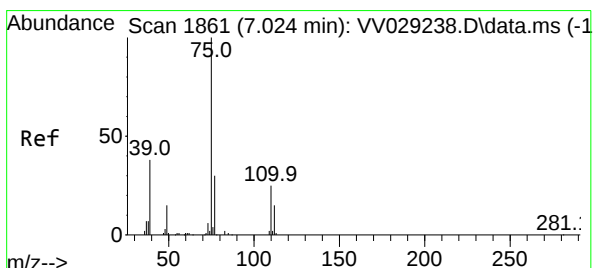
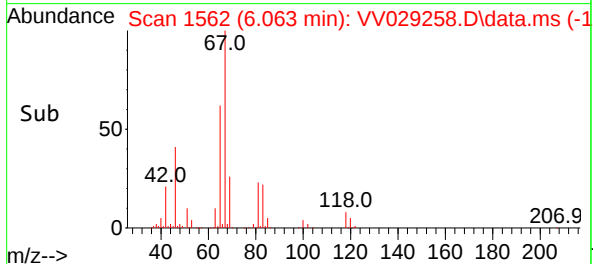
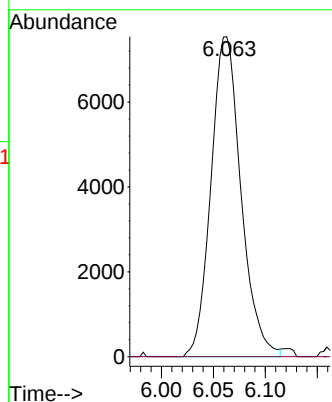
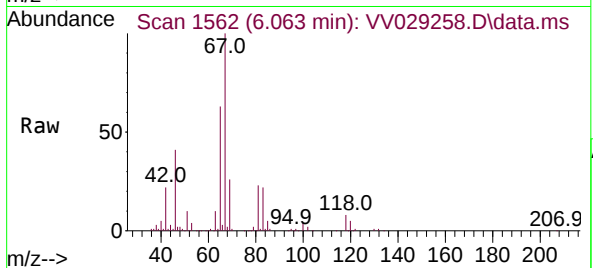
ClientSampleId :

Tgt Ion: 63 Resp: 15150

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 6.979 min Scan# 1847

Delta R.T. -0.045 min

Lab File: VV029258.D

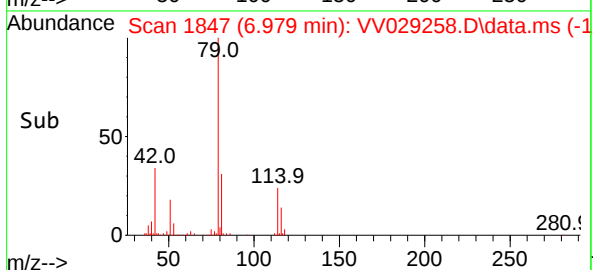
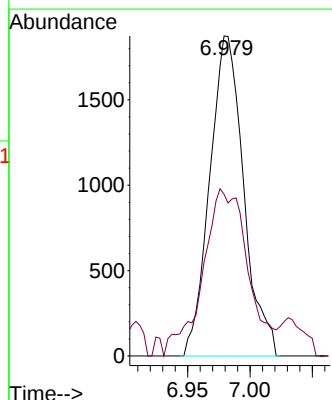
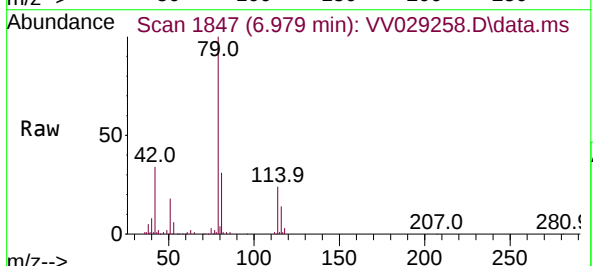
Acq: 21 Nov 2022 05:26

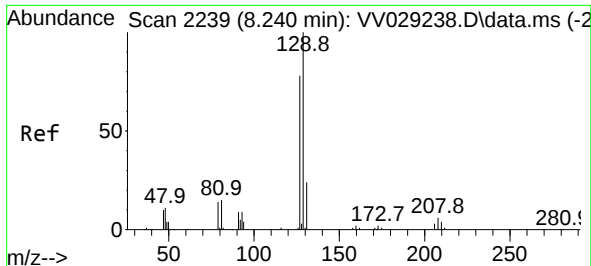
Tgt Ion: 75 Resp: 3549

Ion Ratio Lower Upper

75 100

77 50.5 21.8 40.6#





#49

Dibromochloromethane

Concen: 0.027 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.267 min

Lab File: VV029258.D

Acq: 21 Nov 2022 05:26

Instrument :

MSVOA_V

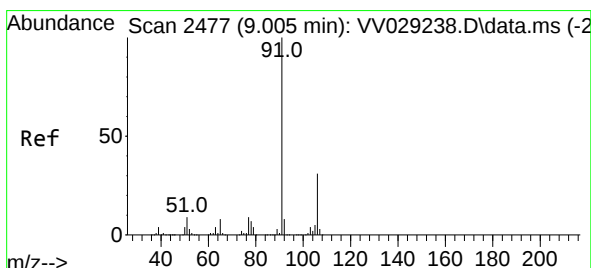
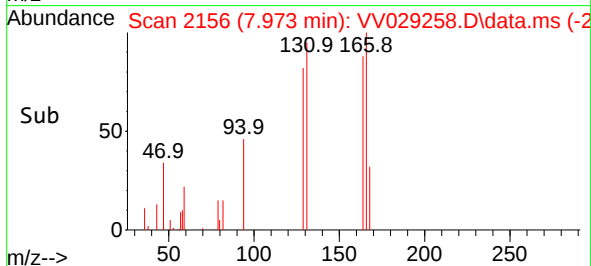
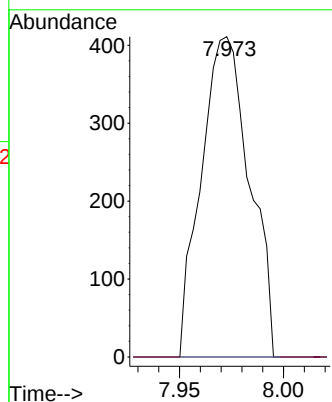
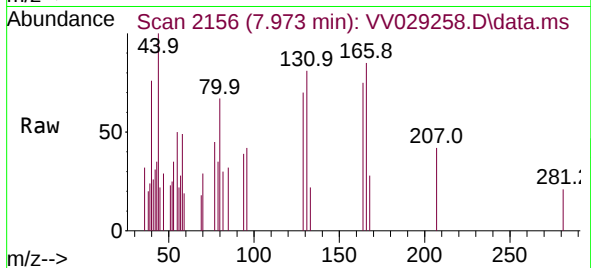
ClientSampleId :

Tgt Ion:129 Resp: 667

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.1#



#52

Ethylbenzene

Concen: 0.047 ug/L

RT: 9.008 min Scan# 2478

Delta R.T. 0.003 min

Lab File: VV029258.D

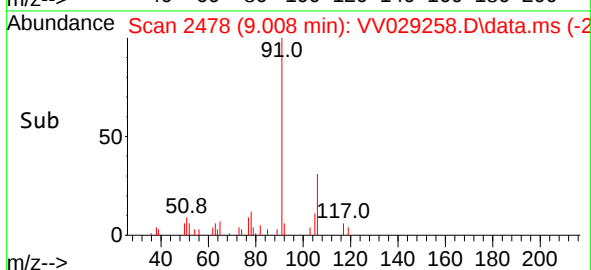
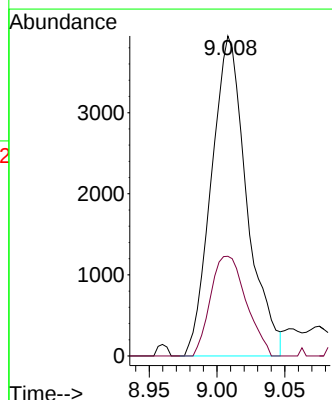
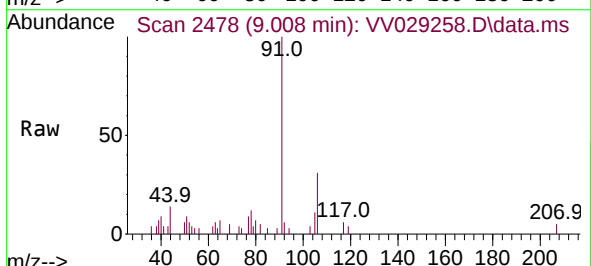
Acq: 21 Nov 2022 05:26

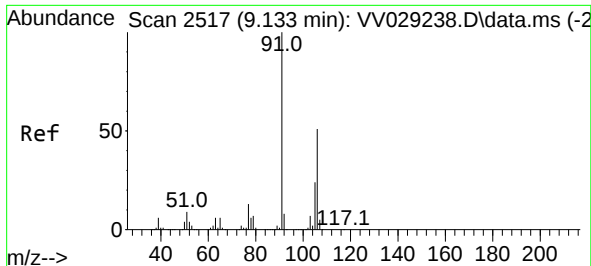
Tgt Ion: 91 Resp: 7155

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.2

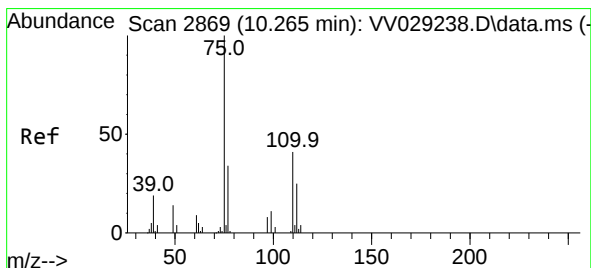
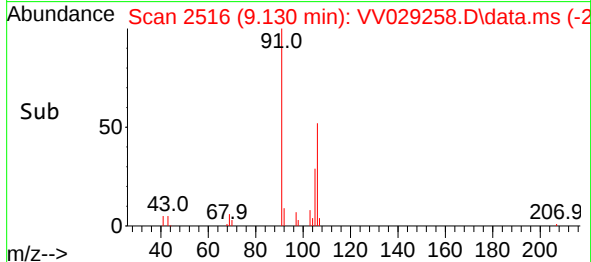
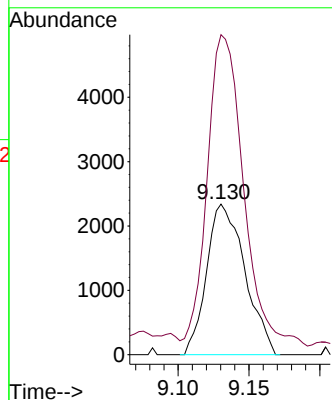
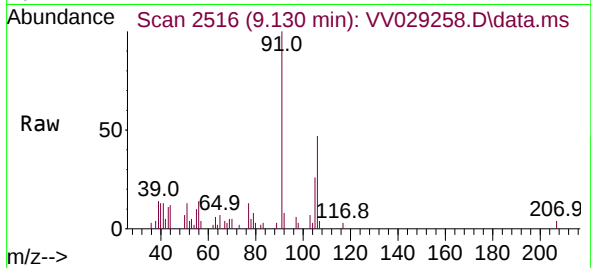




#53
m,p-Xylene
Concen: 0.072 ug/L
RT: 9.130 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029258.D
Acq: 21 Nov 2022 05:26

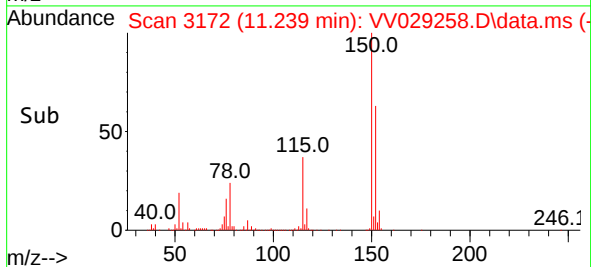
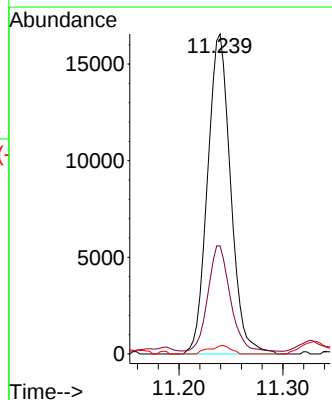
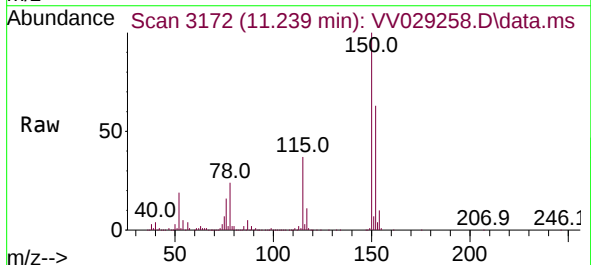
Instrument :
MSVOA_V
ClientSampleId :

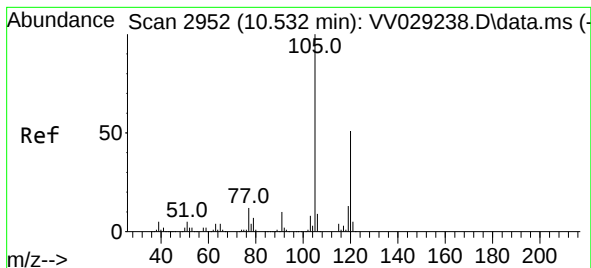
Tgt Ion:106 Resp: 4389
Ion Ratio Lower Upper
106 100
91 212.4 139.1 258.3



#61
1,2,3-Trichloropropane
Concen: 1.652 ug/L
RT: 11.239 min Scan# 3172
Delta R.T. 0.974 min
Lab File: VV029258.D
Acq: 21 Nov 2022 05:26

Tgt Ion: 75 Resp: 25538
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.2
110 2.5 32.6 48.8#





#62

1,3,5-Trimethylbenzene

Concen: 0.050 ug/L

RT: 10.532 min Scan# 2952

Delta R.T. 0.000 min

Lab File: VV029258.D

Acq: 21 Nov 2022 05:26

Instrument :

MSVOA_V

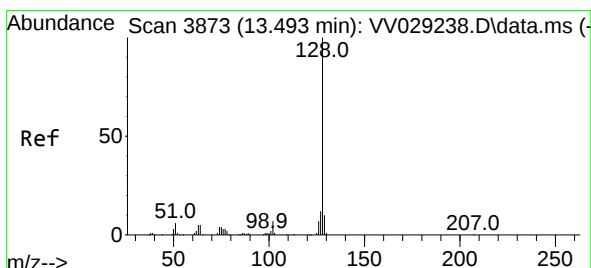
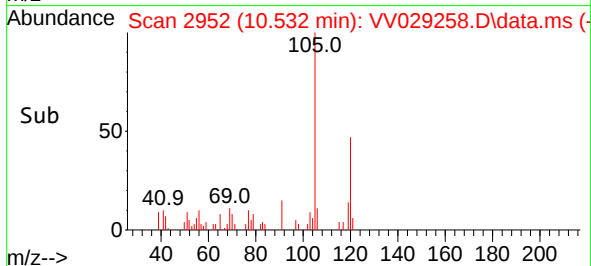
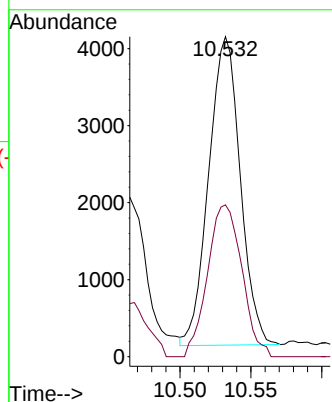
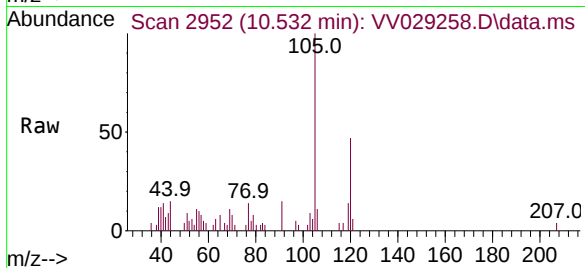
ClientSampleId :

Tgt Ion:105 Resp: 6191

Ion Ratio Lower Upper

105 100

120 53.6 39.9 59.9



#71

Naphthalene

Concen: 45.509 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. -0.003 min

Lab File: VV029258.D

Acq: 21 Nov 2022 05:26

Tgt Ion:128 Resp: 2363423

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 12.8 9.8 14.8

