

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101822\
 Data File : VW028608.D
 Acq On : 18 Oct 2022 12:20
 Operator : SY/MD
 Sample : N5163-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 19 00:37:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 19 00:35:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	162133	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	158548	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	72126	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	66907	4.795	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.000%
7) Chloroethane-d5	1.561	69	61195	5.335	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.600%
11) 1,1-Dichloroethene-d2	2.101	63	87927	3.479	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.600%
20) 2-Butanone-d5	3.928	46	126189	42.067	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.140%
24) Chloroform-d	4.342	84	106682	4.993	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.031	65	56729	5.094	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
32) Benzene-d6	5.047	84	212757	4.156	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	6.066	67	73063	4.423	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.400%
41) Toluene-d8	7.313	98	174824	4.310	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	7.622	79	20962	3.756	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.200%
46) 2-Hexanone-d5	8.088	63	109461	45.441	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.880%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	47633	4.842	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	11.616	152	58523	4.917	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	1944	0.127	ug/L	85
5) Vinyl chloride	1.304	62	694	0.046	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	1147	0.107	ug/L #	33
17) Methyl tert-butyl Ether	2.767	73	1076	0.042	ug/L	92
18) trans-1,2-Dichloroethene	2.761	96	460	0.044	ug/L #	64
25) Chloroform	4.371	83	21648	0.965	ug/L	95
29) 1,1,1-Trichloroethane	4.603	97	391	0.018	ug/L #	21
33) Benzene	5.105	78	5145	0.092	ug/L	100
38) Bromodichloromethane	6.516	83	499	0.031	ug/L #	78
42) Toluene	7.387	91	54960	1.046	ug/L	99
44) trans-1,3-Dichloropropene	7.625	75	1202	0.083	ug/L #	79
47) Tetrachloroethene	7.973	164	1023	0.117	ug/L	90
50) 1,2-Dibromoethane	8.355	107	278	0.040	ug/L #	71
51) Chlorobenzene	8.879	112	2231	0.068	ug/L	95
52) Ethylbenzene	9.011	91	9831	0.168	ug/L	96
53) m,p-Xylene	9.136	106	11242	0.515	ug/L	94
54) o-Xylene	9.542	106	4857	0.229	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.226	83	808	0.083	ug/L #	75
60) Isopropylbenzene	9.927	105	2742	0.052	ug/L	96

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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 19 00:35:12 2022
 Response via : Initial Calibration

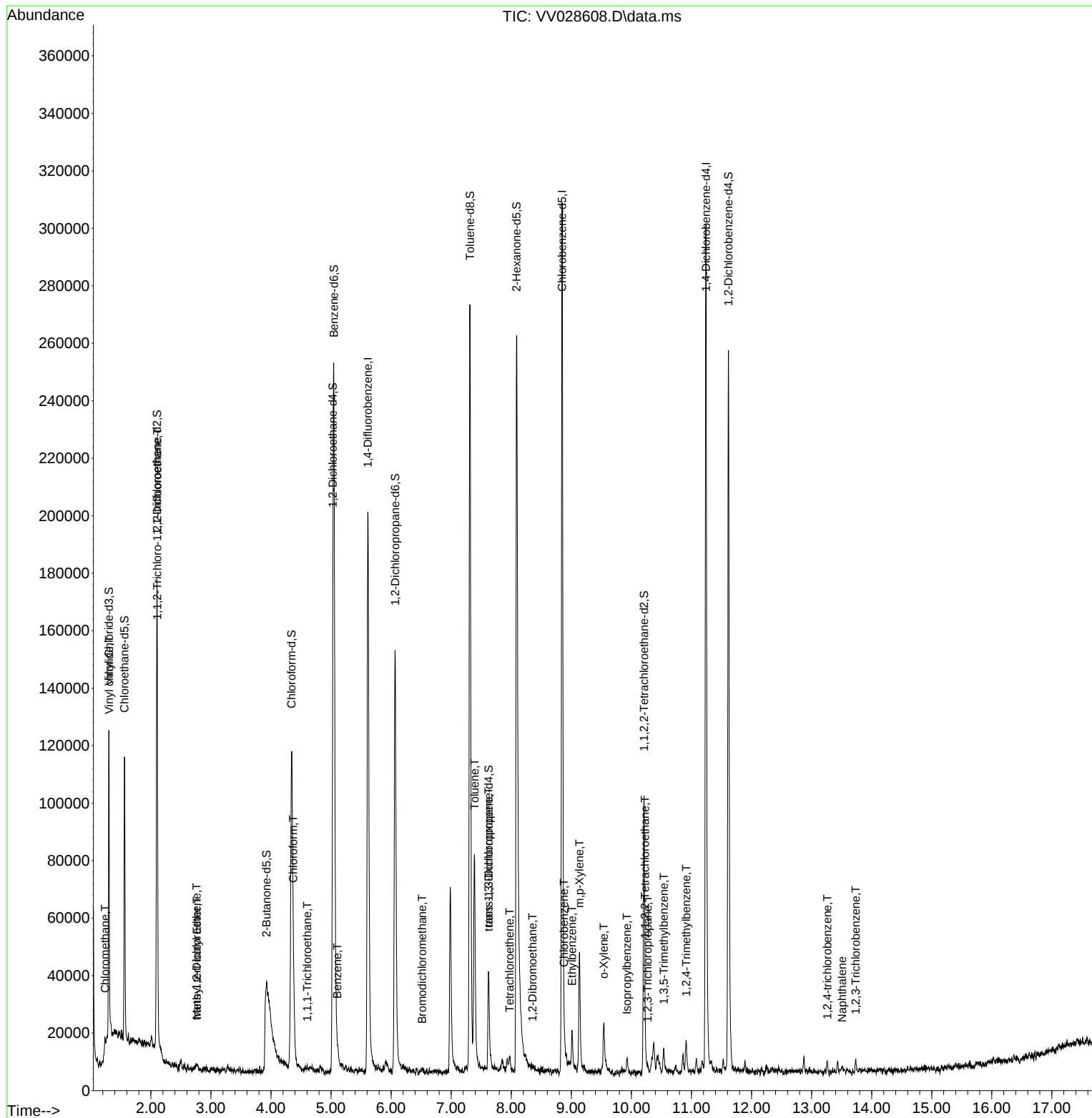
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.272	75	646	0.100	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.538	105	2382	0.150	ug/L	97
63) 1,2,4-Trimethylbenzene	10.911	105	6001	0.139	ug/L	97
70) 1,2,4-trichlorobenzene	13.265	180	870	0.070	ug/L	92
71) Naphthalene	13.509	128	1935	0.104	ug/L #	89
72) 1,2,3-Trichlorobenzene	13.734	180	942	0.092	ug/L #	85

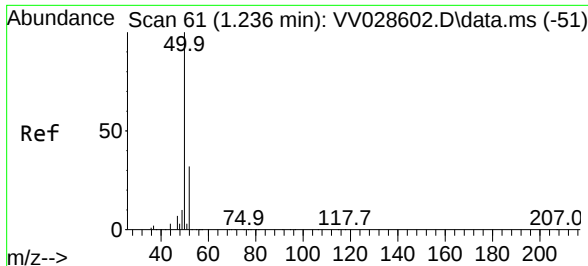
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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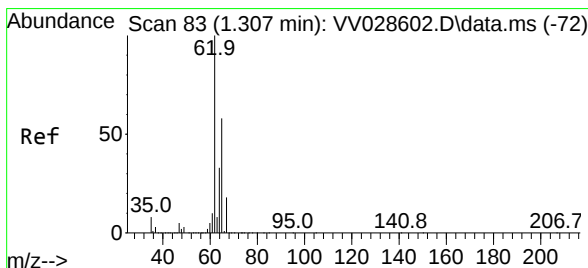
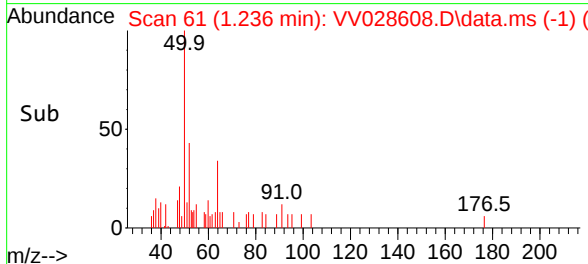
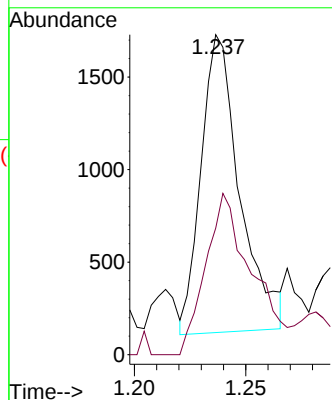
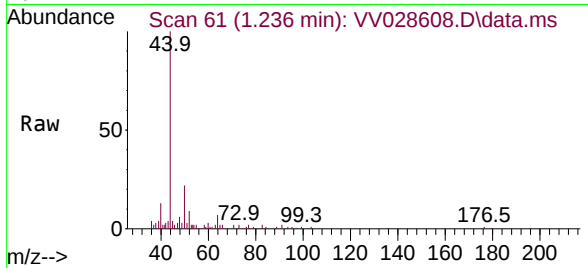




#3
Chloromethane
Concen: 0.127 ug/L
RT: 1.236 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

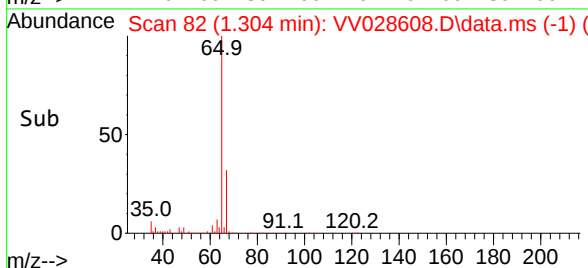
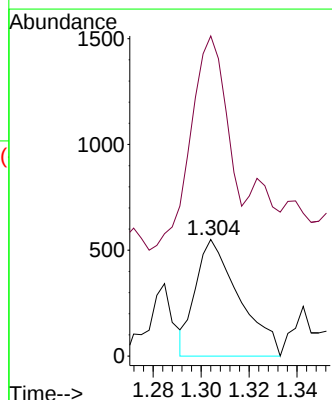
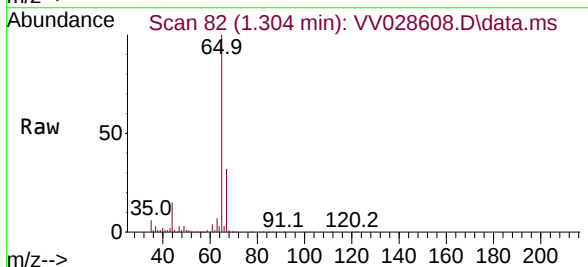
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ClientSampleId :

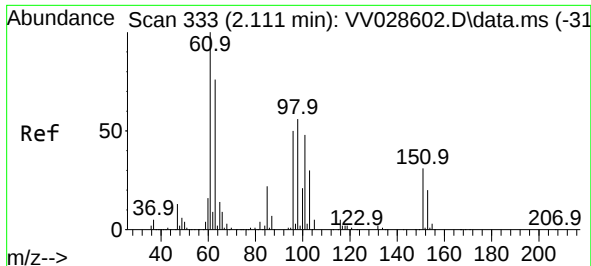
Tgt Ion: 50 Resp: 1944
Ion Ratio Lower Upper
50 100
52 39.6 22.0 41.0



#5
Vinyl chloride
Concen: 0.046 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.003 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

Tgt Ion: 62 Resp: 694
Ion Ratio Lower Upper
62 100
64 274.6 23.7 44.1#

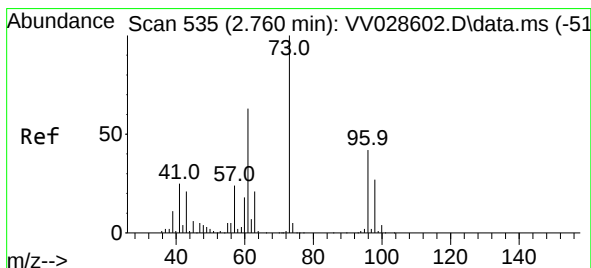
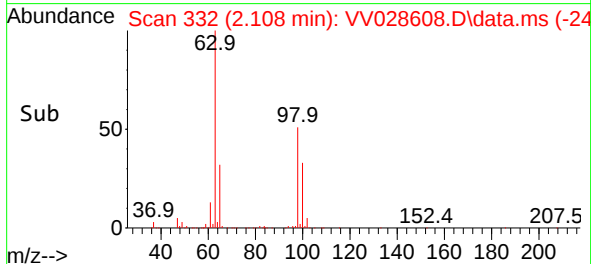
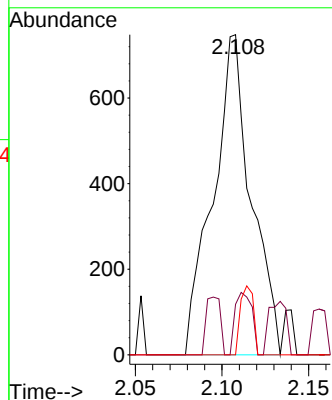
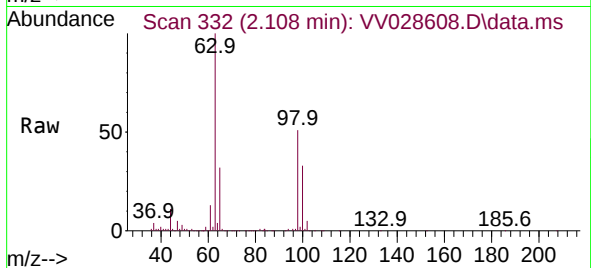




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.107 ug/L
RT: 2.108 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

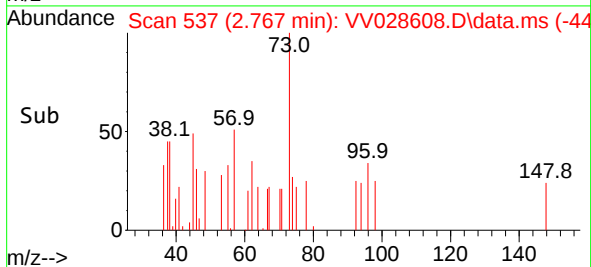
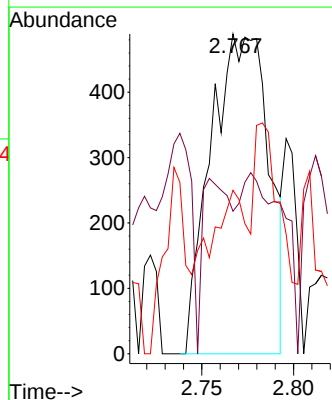
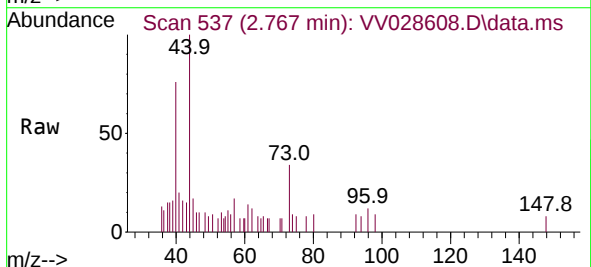
Instrument :
MSVOA_V
ClientSampleId :

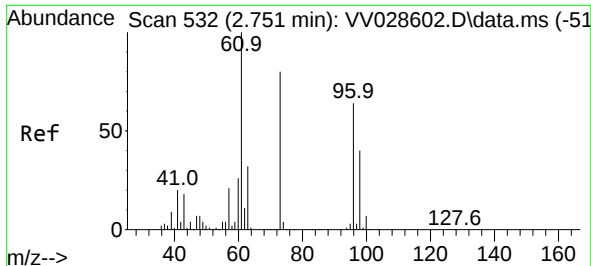
Tgt Ion:101 Resp: 1147
Ion Ratio Lower Upper
101 100
85 8.6 37.3 55.9#
151 7.3 52.8 79.2#



#17
Methyl tert-butyl Ether
Concen: 0.042 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.007 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

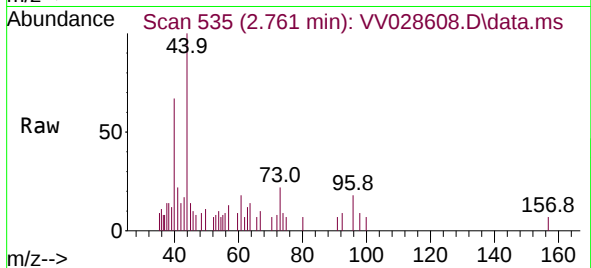
Tgt Ion: 73 Resp: 1076
Ion Ratio Lower Upper
73 100
43 26.7 18.2 27.2
57 28.6 19.5 29.3



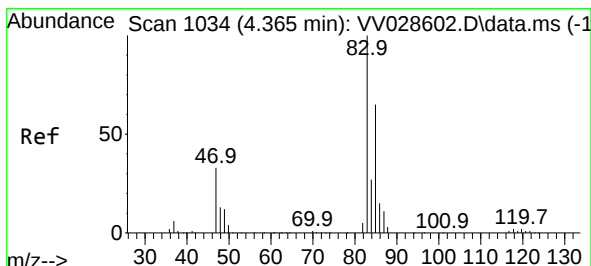
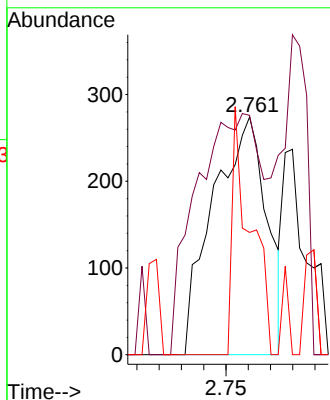
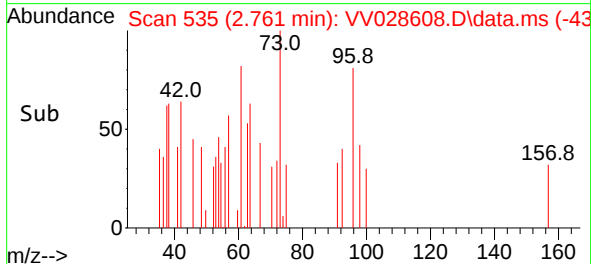


#18
trans-1,2-Dichloroethene
Concen: 0.044 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.010 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

Instrument :
MSVOA_V
ClientSampleId :

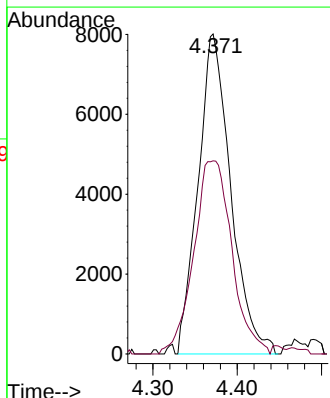
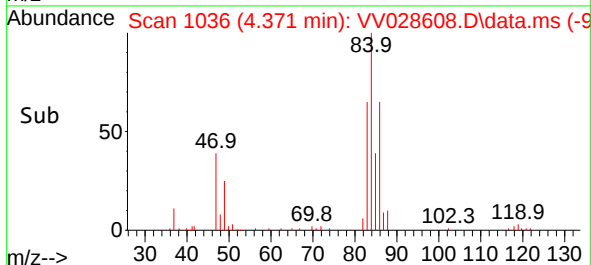
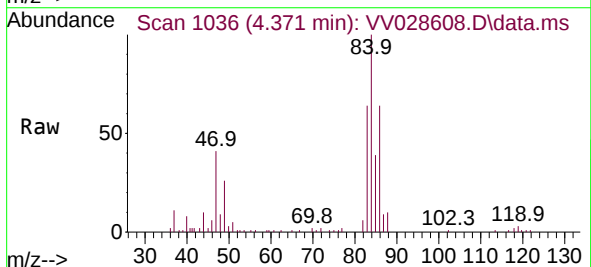


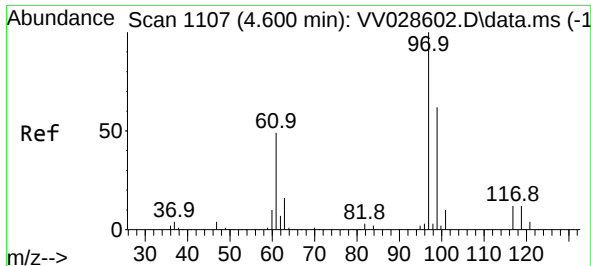
Tgt Ion: 96 Resp: 460
Ion Ratio Lower Upper
96 100
61 100.7 111.2 206.6#
98 51.5 42.9 79.7



#25
Chloroform
Concen: 0.965 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. 0.007 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

Tgt Ion: 83 Resp: 21648
Ion Ratio Lower Upper
83 100
85 60.4 45.1 83.9





#29

1,1,1-Trichloroethane

Concen: 0.018 ug/L

RT: 4.603 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV028608.D

Acq: 18 Oct 2022 12:20

Instrument :

MSVOA_V

ClientSampleId :

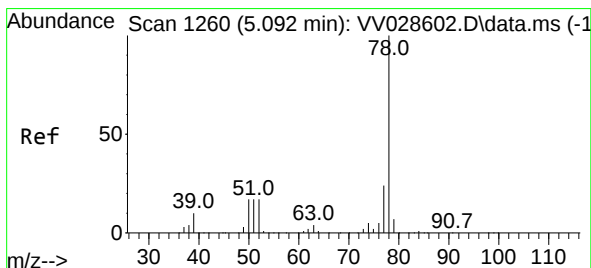
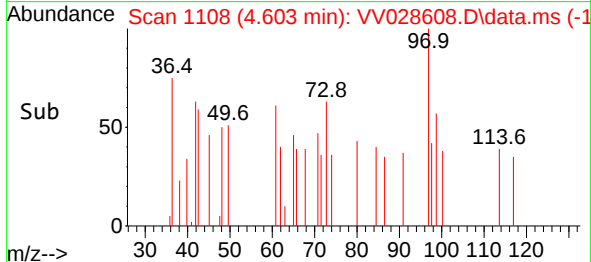
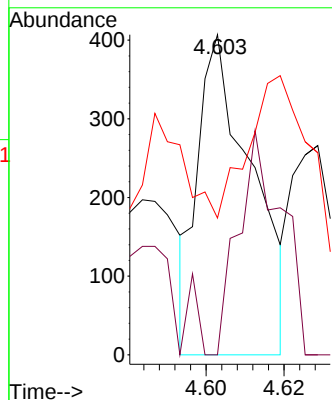
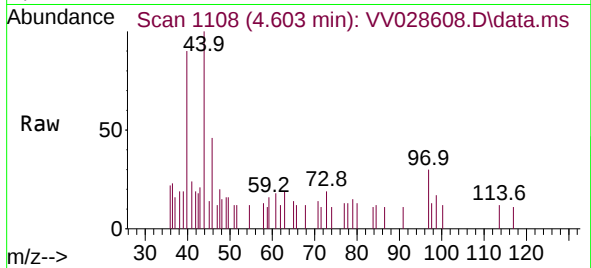
Tgt Ion: 97 Resp: 391

Ion Ratio Lower Upper

97 100

99 0.0 52.6 78.8#

61 0.0 42.1 63.1#



#33

Benzene

Concen: 0.092 ug/L

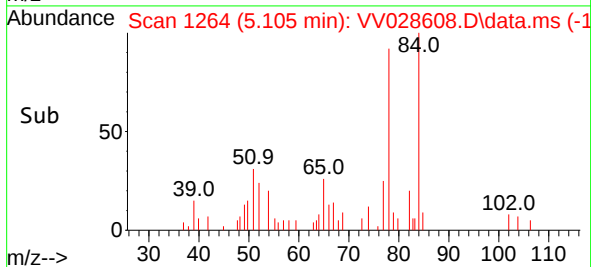
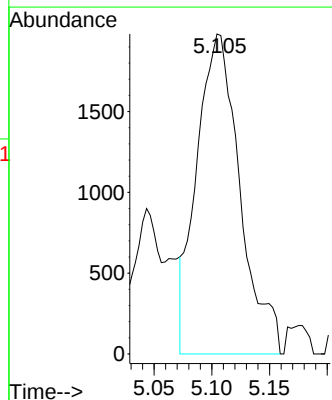
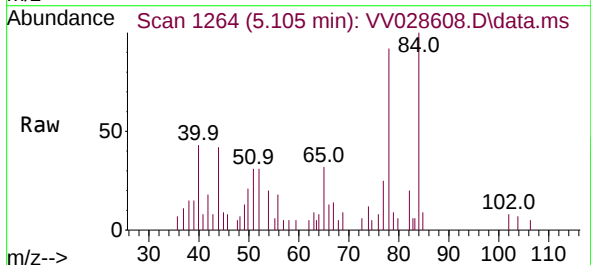
RT: 5.105 min Scan# 1264

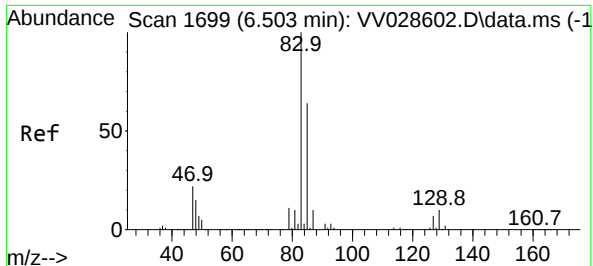
Delta R.T. 0.013 min

Lab File: VV028608.D

Acq: 18 Oct 2022 12:20

Tgt Ion: 78 Resp: 5145

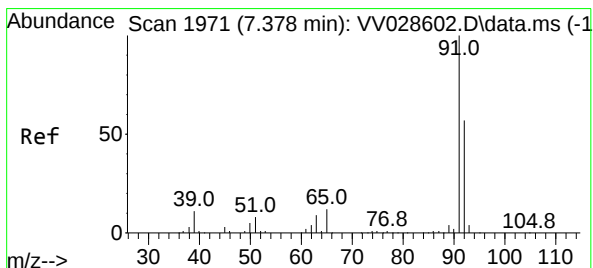
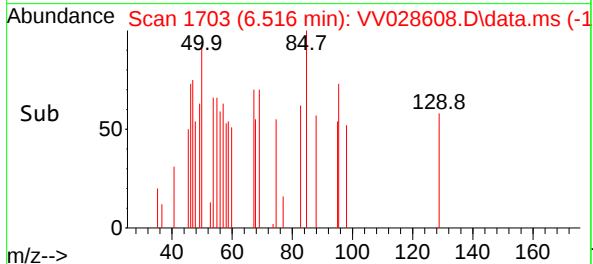
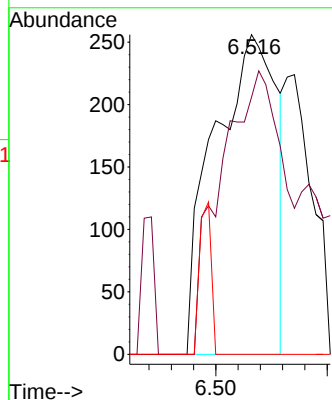
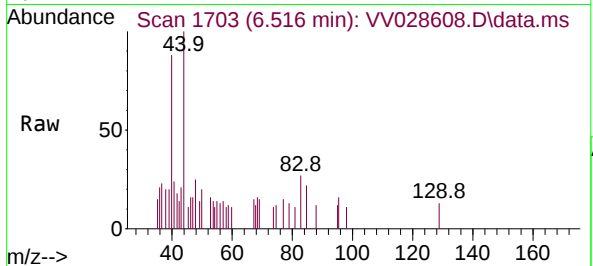




#38
Bromodichloromethane
Concen: 0.031 ug/L
RT: 6.516 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

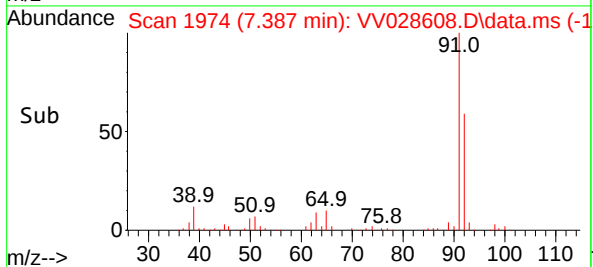
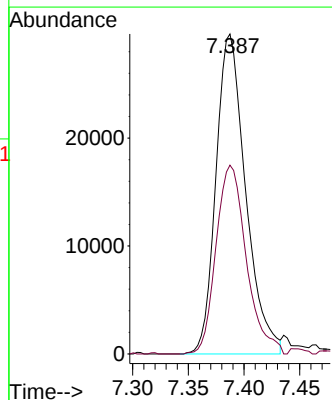
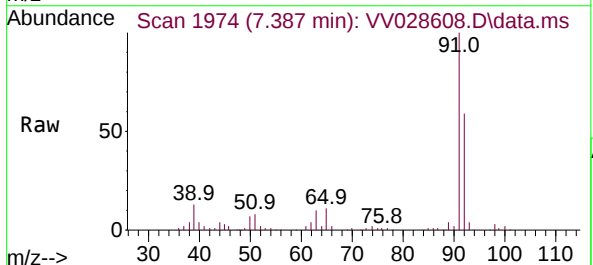
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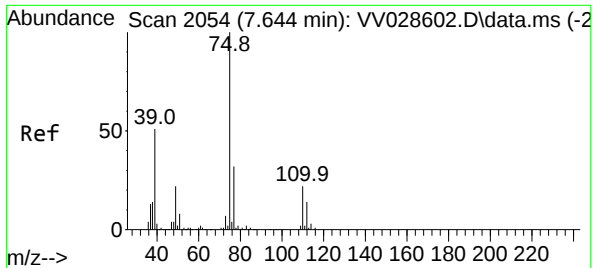
Tgt Ion: 83 Resp: 499
Ion Ratio Lower Upper
83 100
85 80.5 44.2 82.0
127 0.0 6.1 9.1#



#42
Toluene
Concen: 1.046 ug/L
RT: 7.387 min Scan# 1974
Delta R.T. 0.010 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

Tgt Ion: 91 Resp: 54960
Ion Ratio Lower Upper
91 100
92 59.0 40.7 75.5

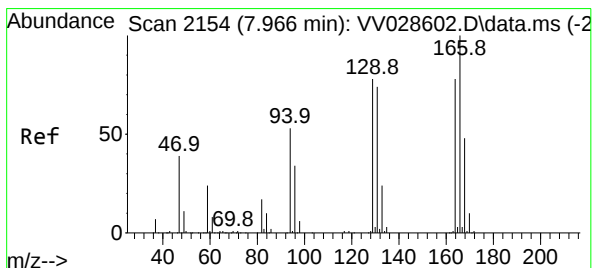
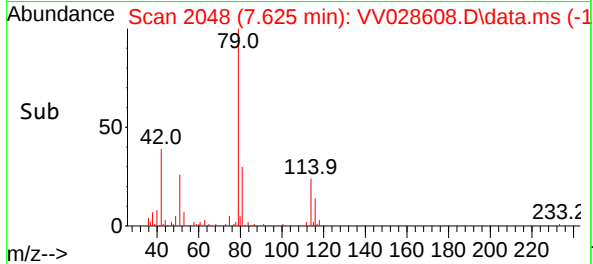
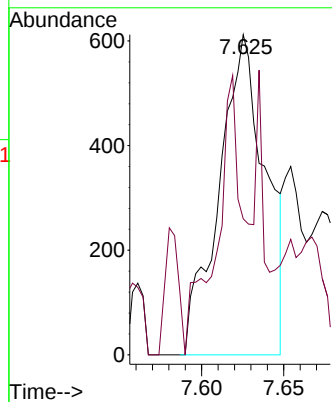
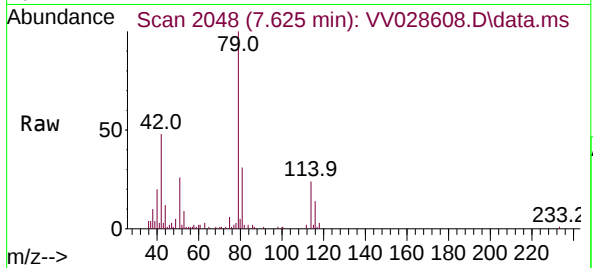




#44
trans-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 7.625 min Scan# 2048
Delta R.T. -0.019 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

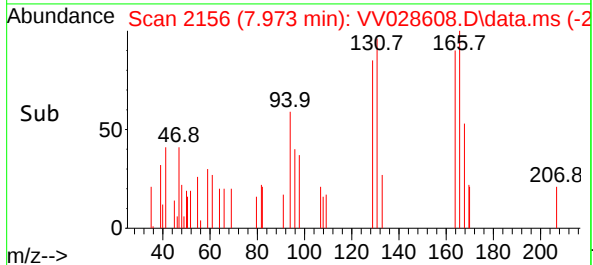
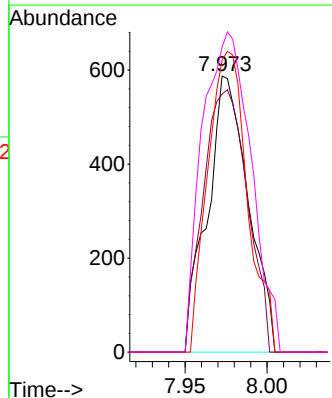
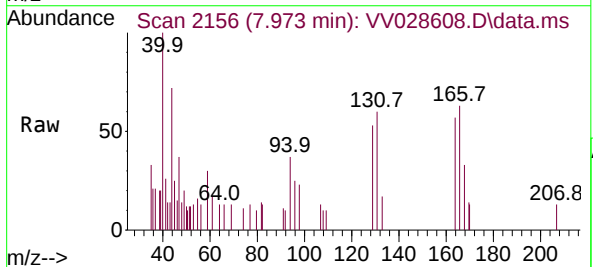
Instrument :
MSVOA_V
ClientSampleId :

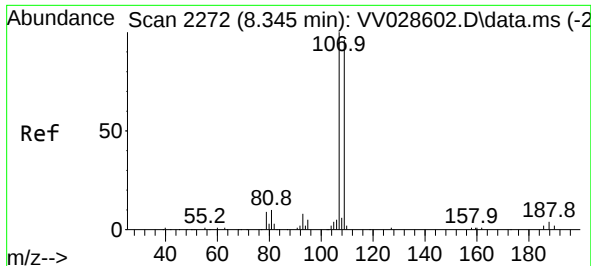
Tgt Ion: 75 Resp: 1202
Ion Ratio Lower Upper
75 100
77 42.5 21.7 40.3#



#47
Tetrachloroethene
Concen: 0.117 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.007 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

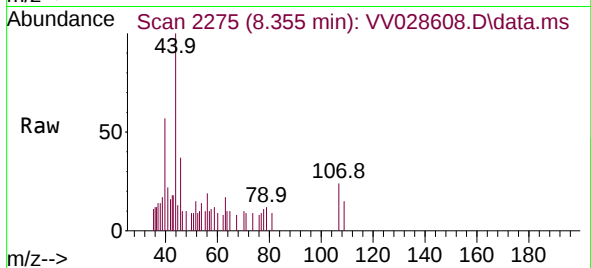
Tgt Ion:164 Resp: 1023
Ion Ratio Lower Upper
164 100
129 93.5 69.3 128.7
131 105.8 67.3 125.1
166 110.6 88.5 164.4



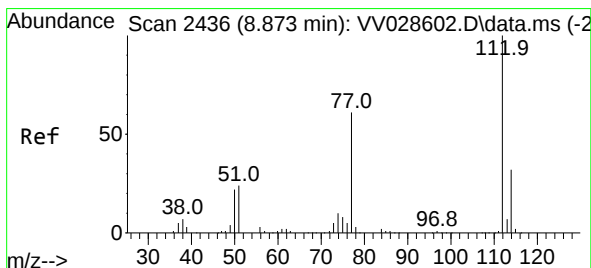
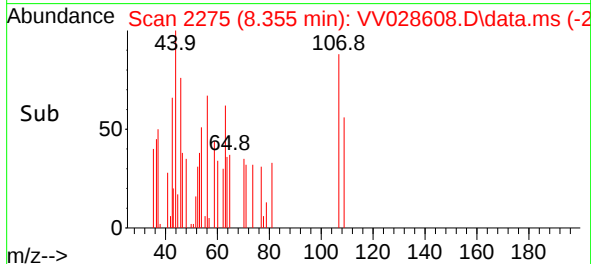
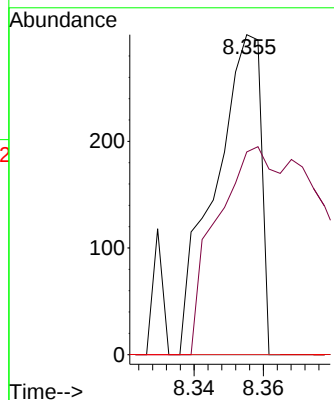


#50
1,2-Dibromoethane
Concen: 0.040 ug/L
RT: 8.355 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

Instrument :
MSVOA_V
ClientSampleId :

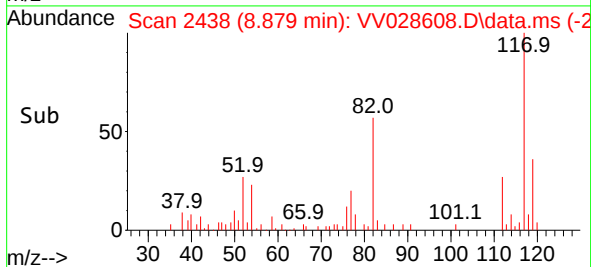
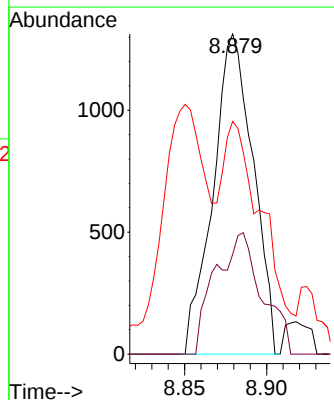
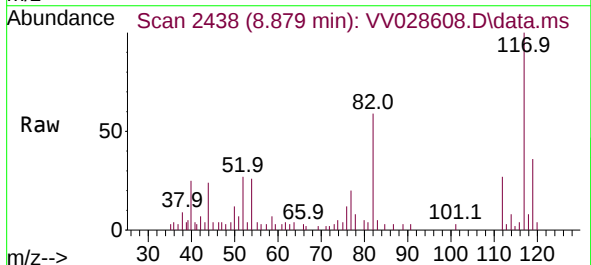


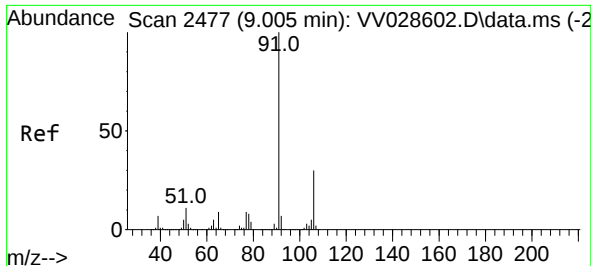
Tgt Ion:107 Resp: 278
Ion Ratio Lower Upper
107 100
109 63.3 64.1 119.1#
188 0.0 3.3 4.9#



#51
Chlorobenzene
Concen: 0.068 ug/L
RT: 8.879 min Scan# 2438
Delta R.T. 0.007 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

Tgt Ion:112 Resp: 2231
Ion Ratio Lower Upper
112 100
114 28.2 22.4 41.6
77 65.8 50.2 75.2





#52

Ethylbenzene

Concen: 0.168 ug/L

RT: 9.011 min Scan# 24

Delta R.T. 0.007 min

Lab File: VV028608.D

Acq: 18 Oct 2022 12:20

Instrument :

MSVOA_V

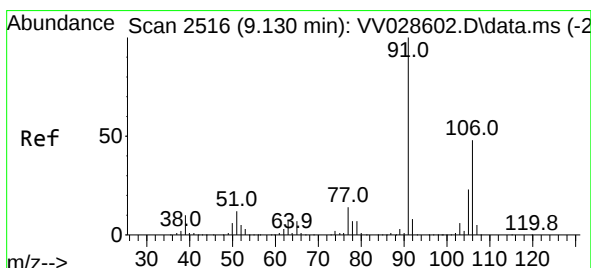
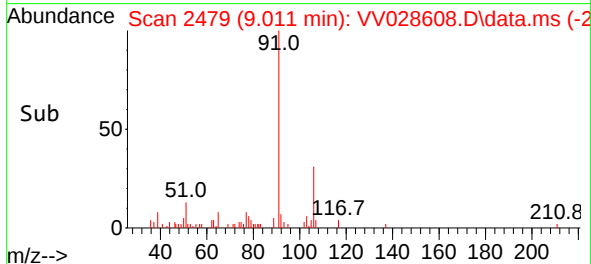
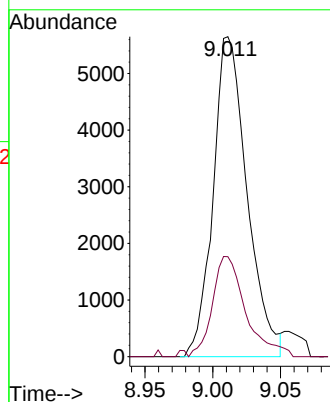
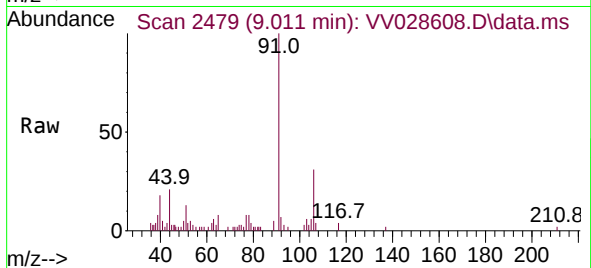
ClientSampleId :

Tgt Ion: 91 Resp: 9831

Ion Ratio Lower Upper

91 100

106 31.2 20.3 37.7



#53

m,p-Xylene

Concen: 0.515 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. 0.007 min

Lab File: VV028608.D

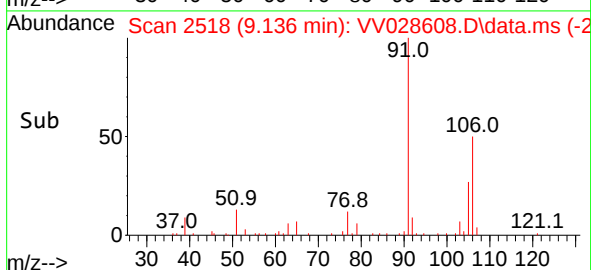
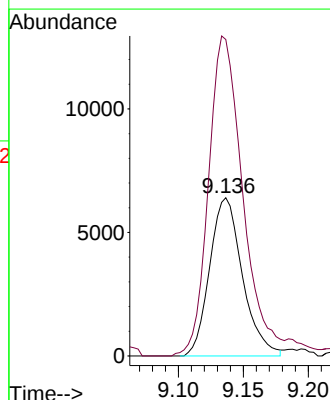
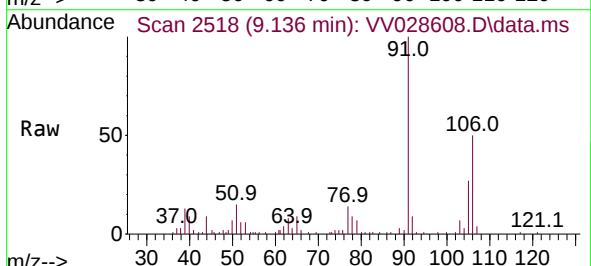
Acq: 18 Oct 2022 12:20

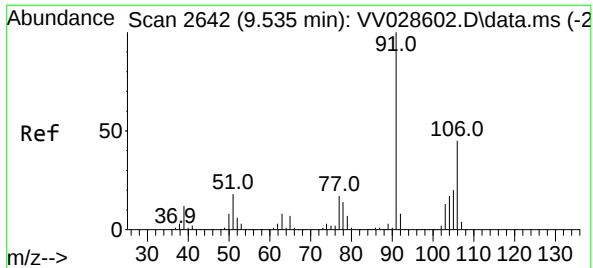
Tgt Ion: 106 Resp: 11242

Ion Ratio Lower Upper

106 100

91 200.0 146.9 272.9

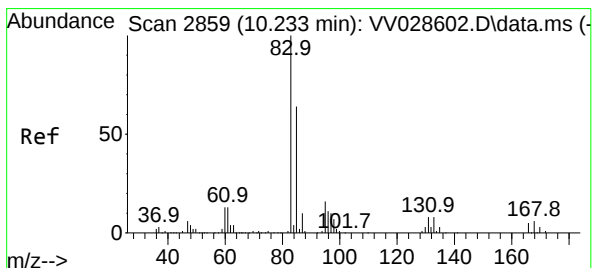
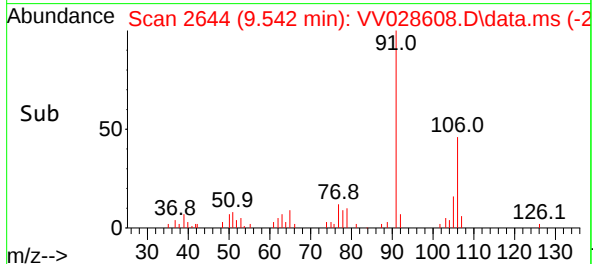
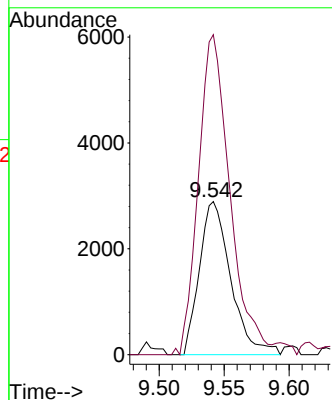
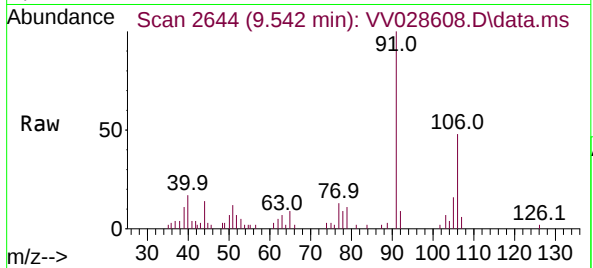




#54
o-Xylene
Concen: 0.229 ug/L
RT: 9.542 min Scan# 20
Delta R.T. 0.007 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

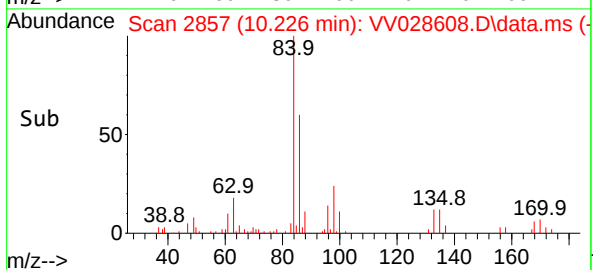
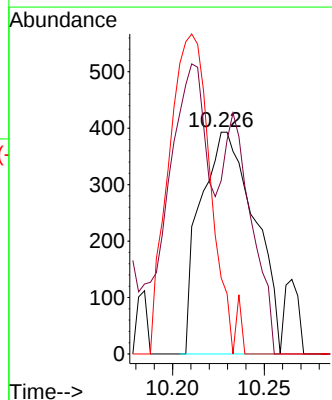
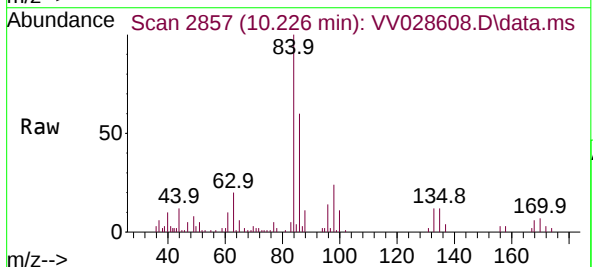
Instrument :
MSVOA_V
ClientSampleId :

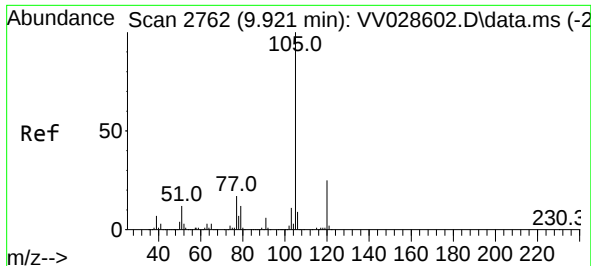
Tgt Ion:106 Resp: 4857
Ion Ratio Lower Upper
106 100
91 208.9 151.4 281.2



#57
1,1,2,2-Tetrachloroethane
Concen: 0.083 ug/L
RT: 10.226 min Scan# 2857
Delta R.T. -0.006 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

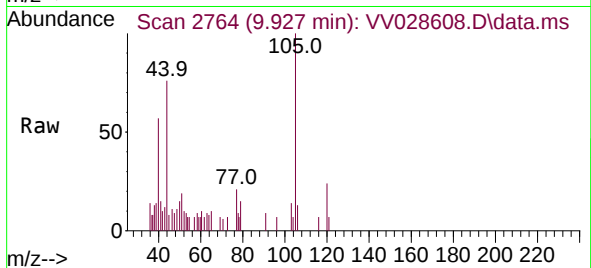
Tgt Ion: 83 Resp: 808
Ion Ratio Lower Upper
83 100
85 78.1 44.3 82.3
131 34.4 6.4 9.6#



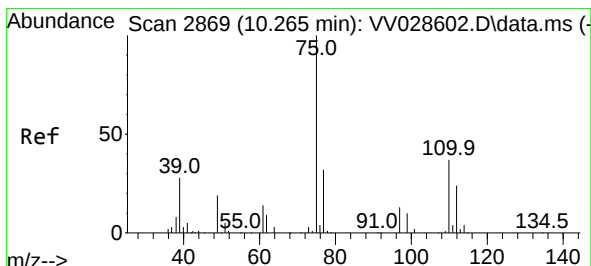
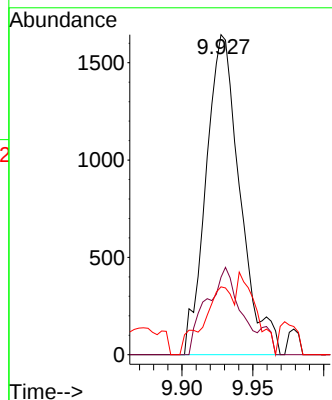
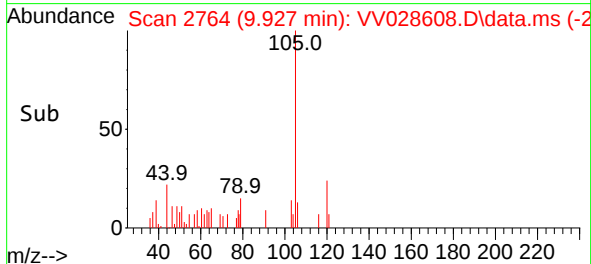


#60
Isopropylbenzene
Concen: 0.052 ug/L
RT: 9.927 min Scan# 2762
Delta R.T. 0.007 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

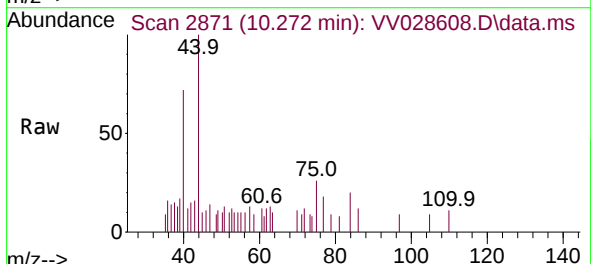
Instrument :
MSVOA_V
ClientSampleId :



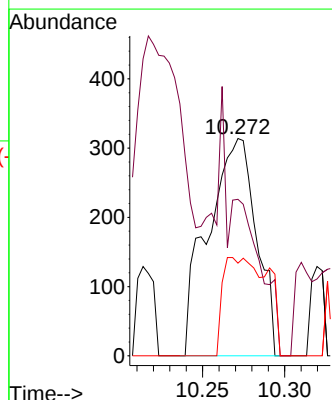
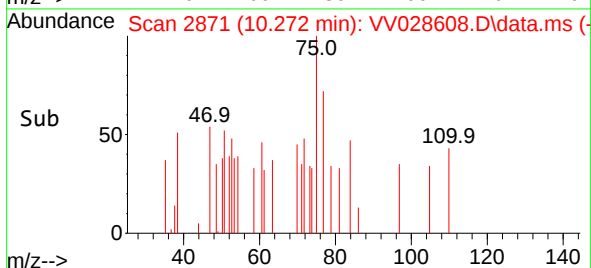
Tgt Ion:105 Resp: 2742
Ion Ratio Lower Upper
105 100
120 27.2 20.7 31.1
77 18.7 13.1 19.7

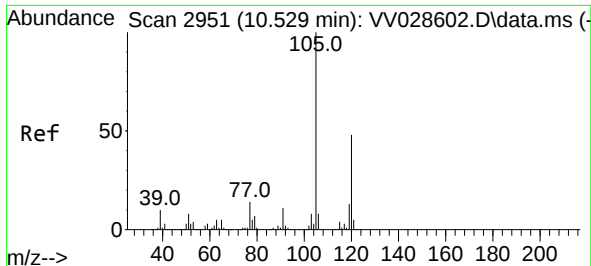


#61
1,2,3-Trichloropropane
Concen: 0.100 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.007 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20



Tgt Ion: 75 Resp: 646
Ion Ratio Lower Upper
75 100
77 154.0 24.6 37.0#
110 31.0 28.3 42.5





#62

1,3,5-Trimethylbenzene

Concen: 0.150 ug/L

RT: 10.538 min Scan# 2951

Delta R.T. 0.010 min

Lab File: VV028608.D

Acq: 18 Oct 2022 12:20

Instrument :

MSVOA_V

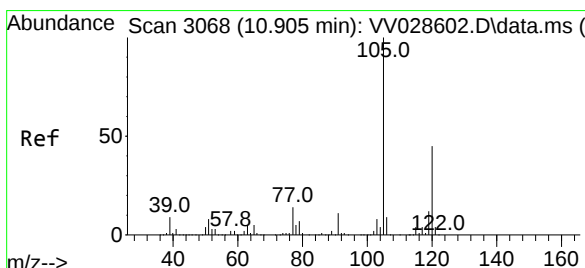
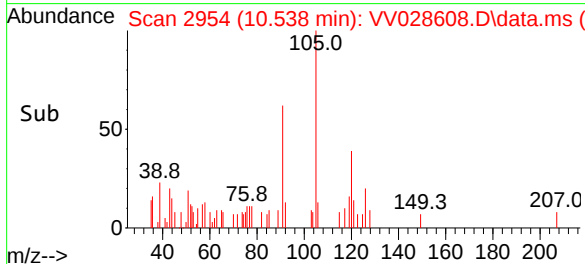
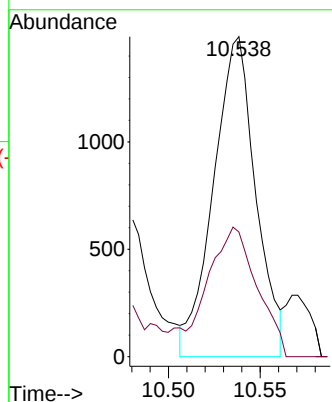
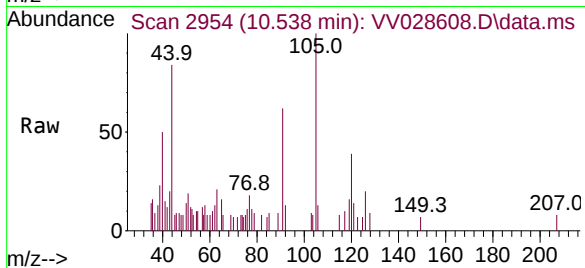
ClientSampleId :

Tgt Ion:105 Resp: 2382

Ion Ratio Lower Upper

105 100

120 49.5 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 0.139 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.007 min

Lab File: VV028608.D

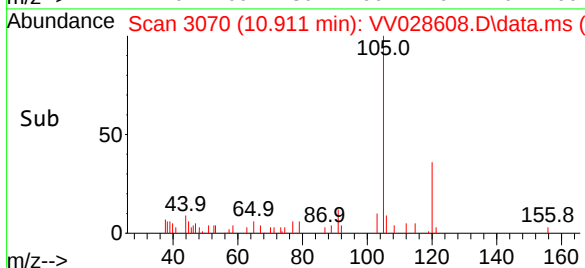
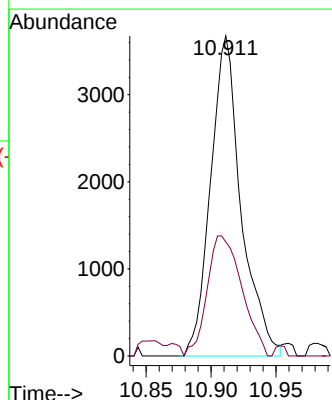
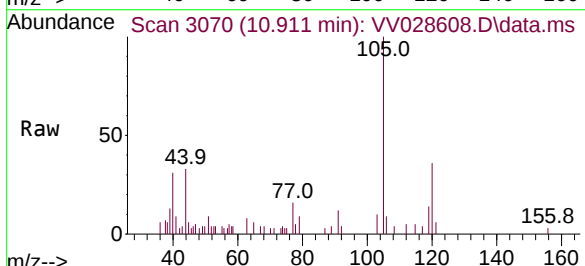
Acq: 18 Oct 2022 12:20

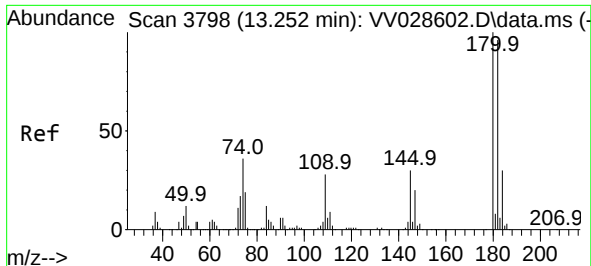
Tgt Ion:105 Resp: 6001

Ion Ratio Lower Upper

105 100

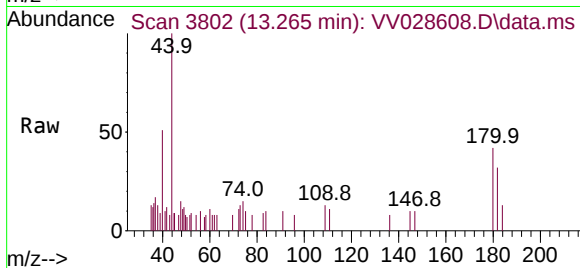
120 42.7 35.6 53.4



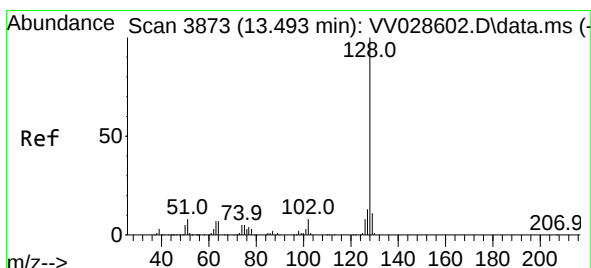
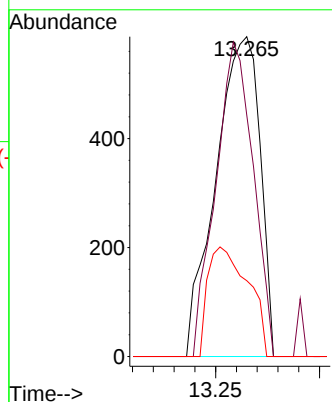
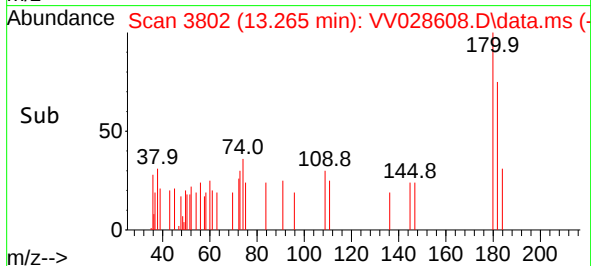


#70
1,2,4-trichlorobenzene
Concen: 0.070 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. 0.013 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20

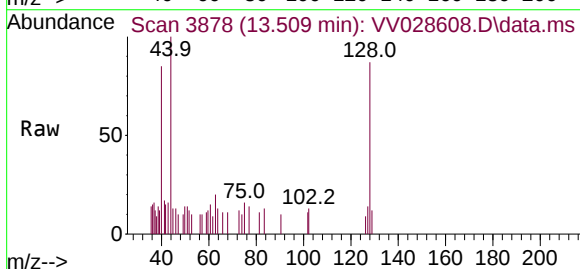
Instrument :
MSVOA_V
ClientSampleId :



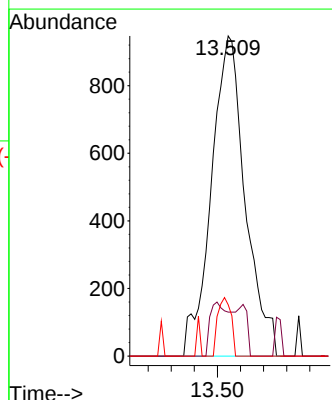
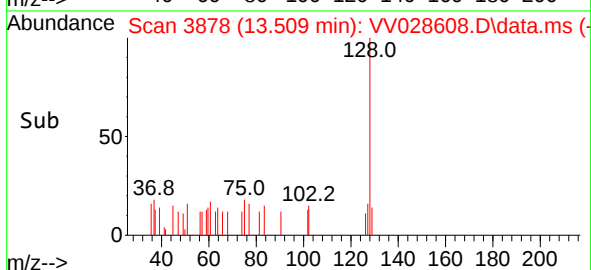
Tgt Ion:180 Resp: 870
Ion Ratio Lower Upper
180 100
182 83.1 74.2 111.2
145 31.1 25.3 37.9

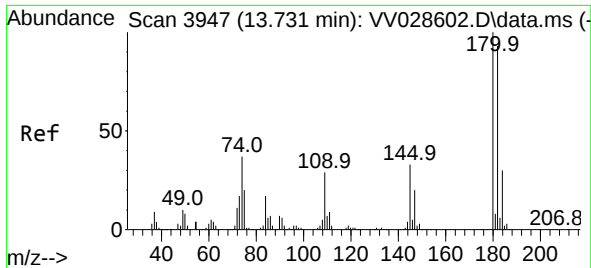


#71
Naphthalene
Concen: 0.104 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.016 min
Lab File: VV028608.D
Acq: 18 Oct 2022 12:20



Tgt Ion:128 Resp: 1935
Ion Ratio Lower Upper
128 100
129 8.3 9.0 13.6#
127 7.1 10.1 15.1#





#72

1,2,3-Trichlorobenzene

Concen: 0.092 ug/L

RT: 13.734 min Scan# 3947

Delta R.T. 0.003 min

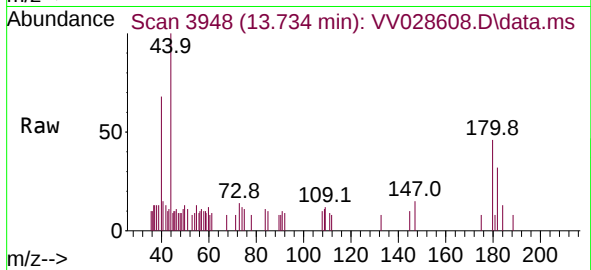
Lab File: VV028608.D

Acq: 18 Oct 2022 12:20

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 942

Ion Ratio Lower Upper

180 100

182 83.7 76.3 114.5

145 18.4 25.8 38.8#

