

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101422\
 Data File : VW028556.D
 Acq On : 14 Oct 2022 18:25
 Operator : SY/MD
 Sample : N5109-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFZ06

Quant Time: Oct 15 02:58:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 15 02:57:21 2022
 Response via : Initial Calibration

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

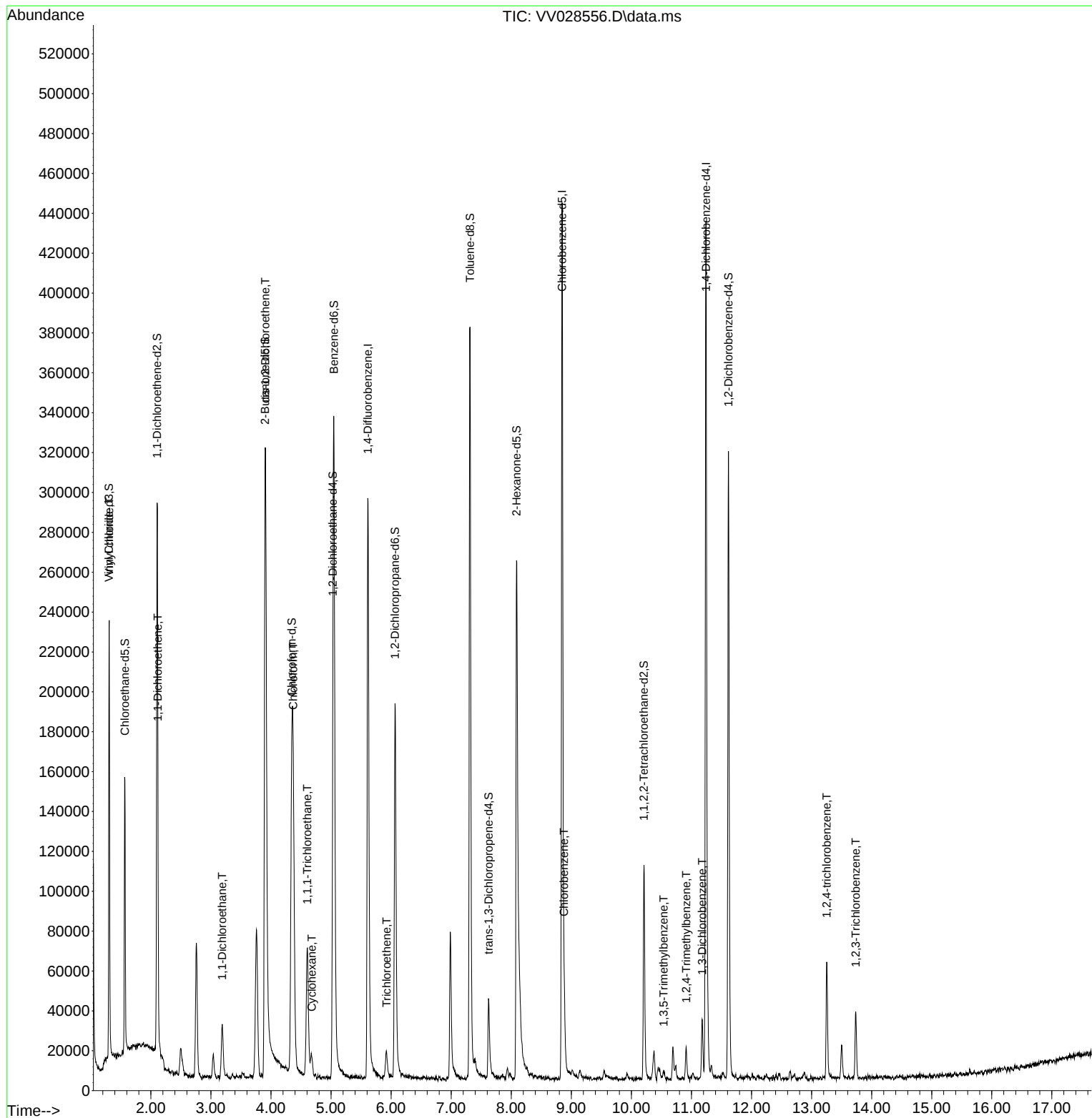
Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	244339	5.000	ug/L	0.01
28) Chlorobenzene-d5	8.847	117	227358	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	103789	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	112980	5.373	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.400%
7) Chloroethane-d5	1.568	69	85846	4.966	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	2.105	63	148743	3.905	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.200%
20) 2-Butanone-d5	3.902	46	126456	27.973	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	55.940%
24) Chloroform-d	4.346	84	138057	4.288	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
26) 1,2-Dichloroethane-d4	5.030	65	67759	4.037	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.800%
32) Benzene-d6	5.047	84	293792	4.002	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.000%
36) 1,2-Dichloropropane-d6	6.066	67	92598	3.909	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.200%
41) Toluene-d8	7.313	98	248941	4.280	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
43) trans-1,3-Dichloroprop...	7.622	79	24976	3.121	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.400%
46) 2-Hexanone-d5	8.088	63	129477	37.483	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.960%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	53792	3.813	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	74731	4.363	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.200%
Target Compounds						
5) Vinyl chloride	1.307	62	35284	1.568	ug/L	97
12) 1,1-Dichloroethene	2.117	96	8205	0.540	ug/L #	1
19) 1,1-Dichloroethane	3.188	63	28121	0.789	ug/L	96
22) cis-1,2-Dichloroethene	3.905	96	149684	8.356	ug/L #	93
25) Chloroform	4.371	83	125510	3.714	ug/L	100
29) 1,1,1-Trichloroethane	4.603	97	50079	1.594	ug/L	99
30) Cyclohexane	4.677	56	5621	0.155	ug/L #	70
34) Trichloroethene	5.924	95	5231	0.273	ug/L	92
51) Chlorobenzene	8.879	112	20583	0.440	ug/L	99
62) 1,3,5-Trimethylbenzene	10.535	105	2436	0.107	ug/L	93
63) 1,2,4-Trimethylbenzene	10.911	105	8433	0.135	ug/L	96
64) 1,3-Dichlorobenzene	11.178	146	11243	0.352	ug/L	97
70) 1,2,4-trichlorobenzene	13.252	180	15411	0.865	ug/L	95
72) 1,2,3-Trichlorobenzene	13.734	180	8533	0.581	ug/L	97

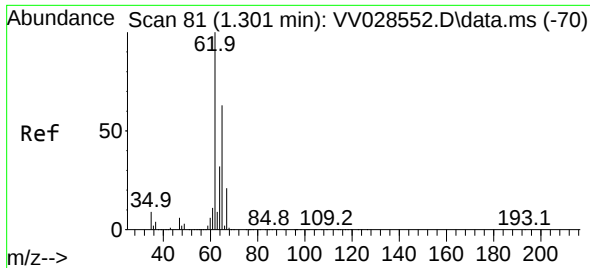
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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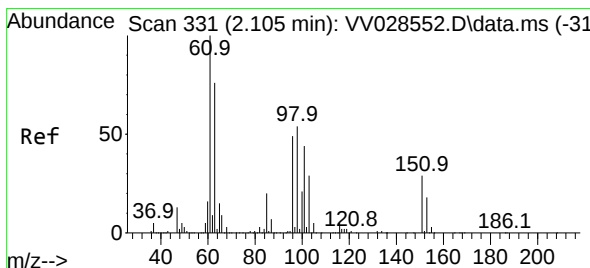
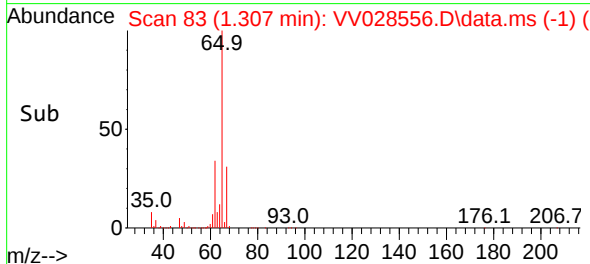
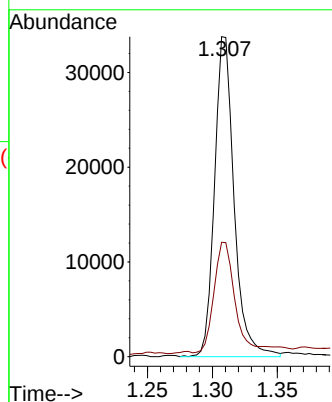
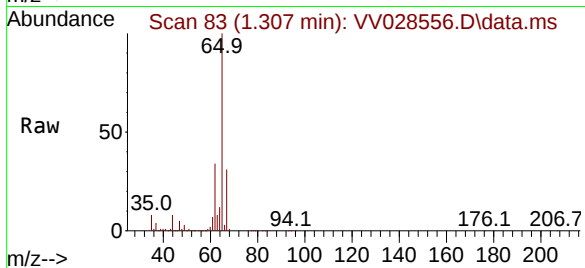




#5
 Vinyl chloride
 Concen: 1.568 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VV028556.D
 Acq: 14 Oct 2022 18:25

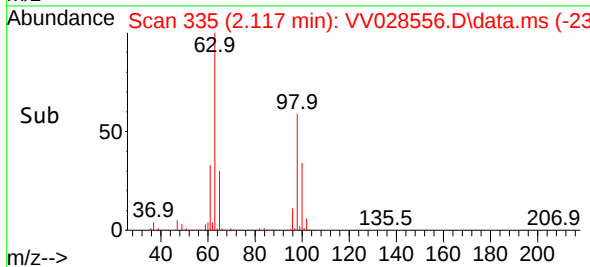
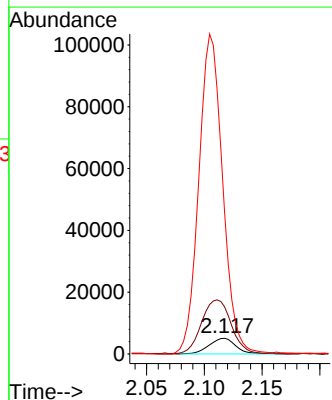
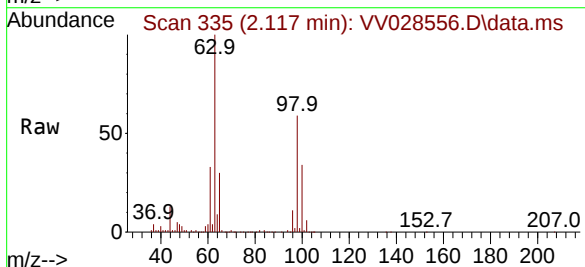
Instrument :
 MSVOA_V
 ClientSampleId :
 BFZ06

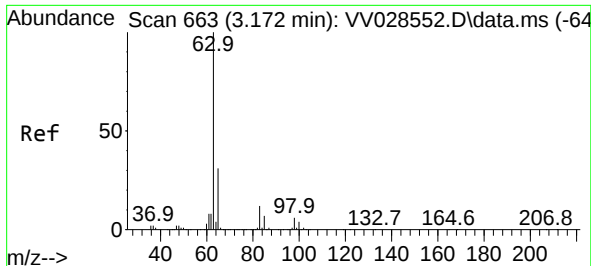
Tgt Ion: 62 Resp: 35284
 Ion Ratio Lower Upper
 62 100
 64 35.7 23.7 44.1



#12
 1,1-Dichloroethene
 Concen: 0.540 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.013 min
 Lab File: VV028556.D
 Acq: 14 Oct 2022 18:25

Tgt Ion: 96 Resp: 8205
 Ion Ratio Lower Upper
 96 100
 61 299.5 142.9 265.5#
 63 905.7 102.3 190.1#





#19

1,1-Dichloroethane

Concen: 0.789 ug/L

RT: 3.188 min Scan# 60

Delta R.T. 0.016 min

Lab File: VV028556.D

Acq: 14 Oct 2022 18:25

Instrument :

MSVOA_V

ClientSampleId :

BFZ06

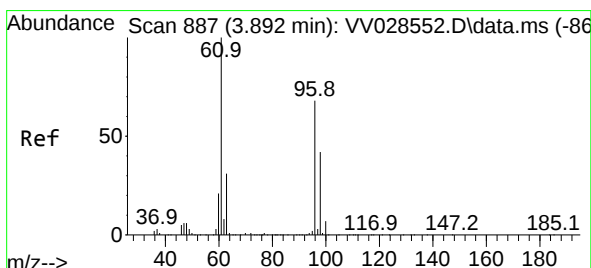
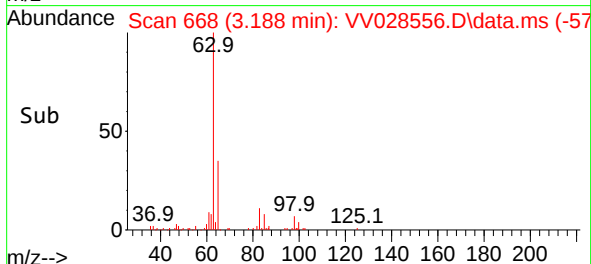
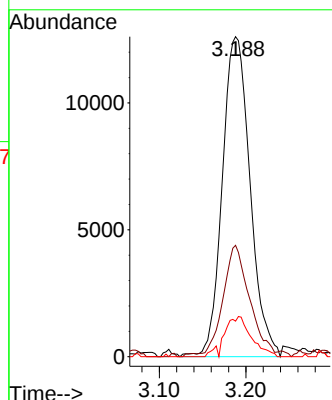
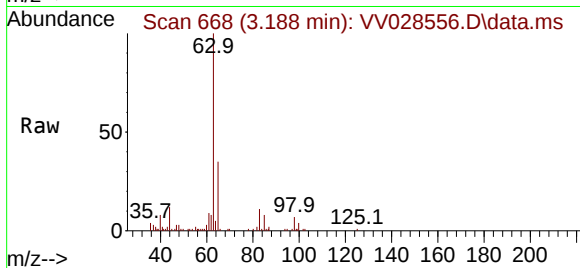
Tgt Ion: 63 Resp: 28121

Ion Ratio Lower Upper

63 100

65 34.5 22.3 41.5

83 10.6 8.5 15.7



#22

cis-1,2-Dichloroethene

Concen: 8.356 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.013 min

Lab File: VV028556.D

Acq: 14 Oct 2022 18:25

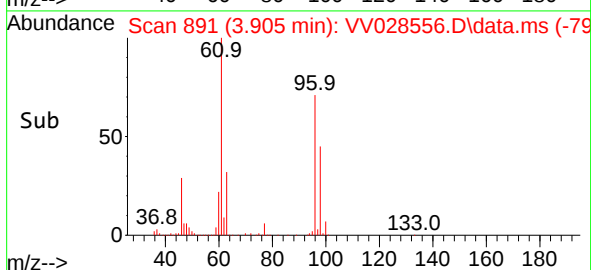
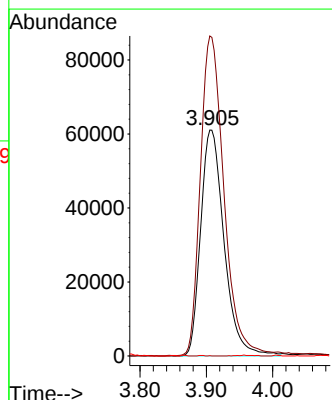
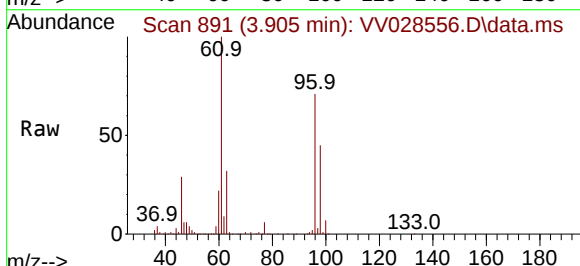
Tgt Ion: 96 Resp: 149684

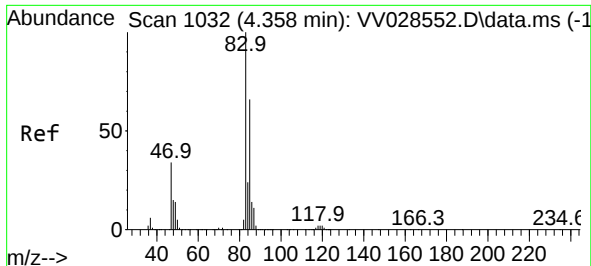
Ion Ratio Lower Upper

96 100

61 141.6 105.1 195.3

68 0.2 0.5 0.9#

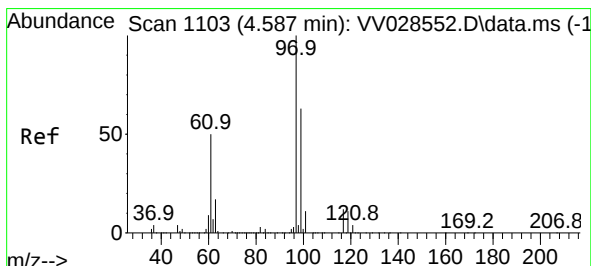
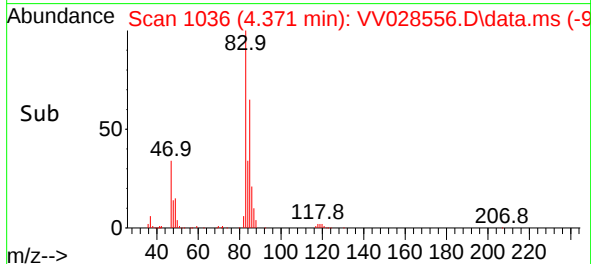
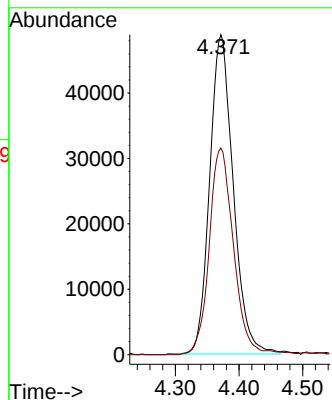
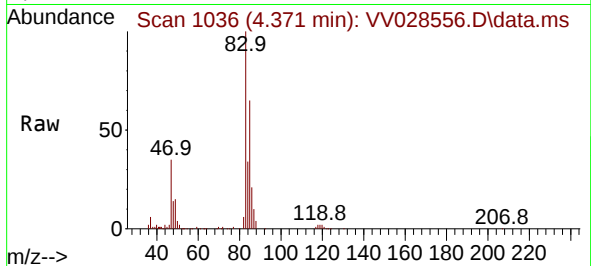




#25
Chloroform
Concen: 3.714 ug/L
RT: 4.371 min Scan# 1108
Delta R.T. 0.013 min
Lab File: VV028556.D
Acq: 14 Oct 2022 18:25

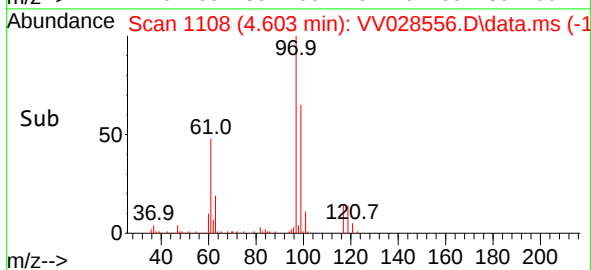
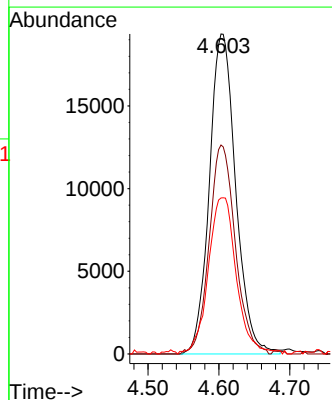
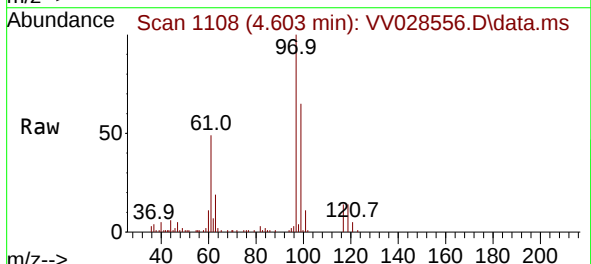
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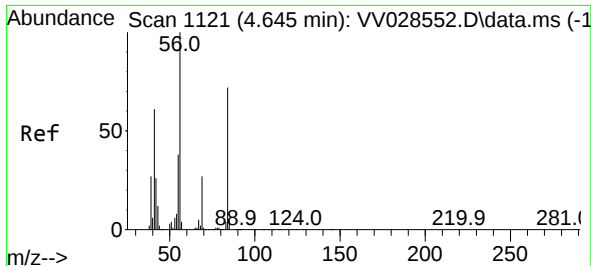
Tgt Ion: 83 Resp: 125510
Ion Ratio Lower Upper
83 100
85 64.6 45.1 83.9



#29
1,1,1-Trichloroethane
Concen: 1.594 ug/L
RT: 4.603 min Scan# 1108
Delta R.T. 0.016 min
Lab File: VV028556.D
Acq: 14 Oct 2022 18:25

Tgt Ion: 97 Resp: 50079
Ion Ratio Lower Upper
97 100
99 64.7 52.6 78.8
61 51.6 42.1 63.1

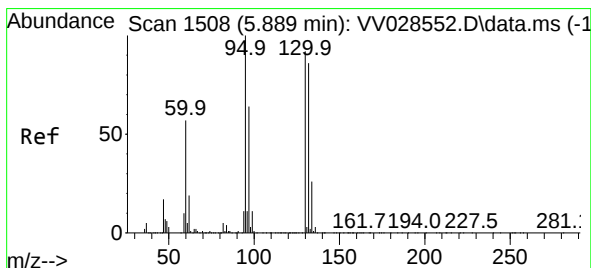
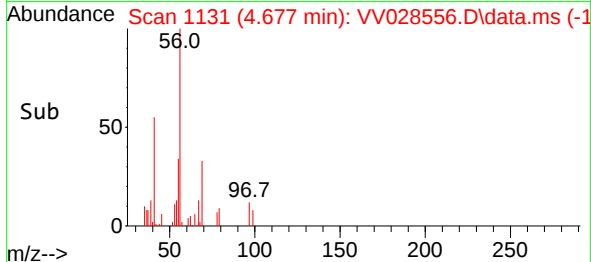
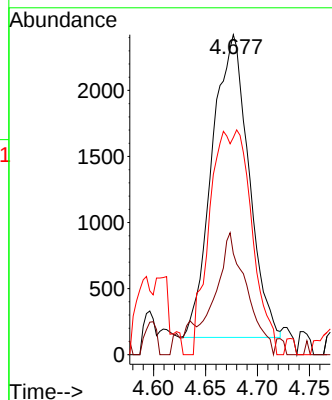
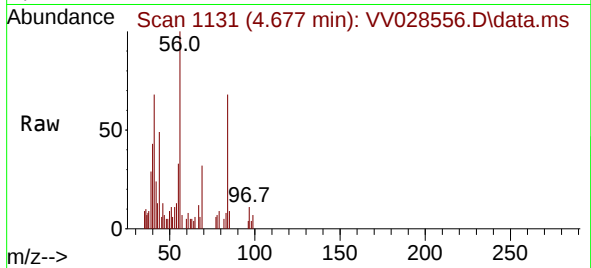




#30
Cyclohexane
Concen: 0.155 ug/L
RT: 4.677 min Scan# 1121
Delta R.T. 0.032 min
Lab File: VV028556.D
Acq: 14 Oct 2022 18:25

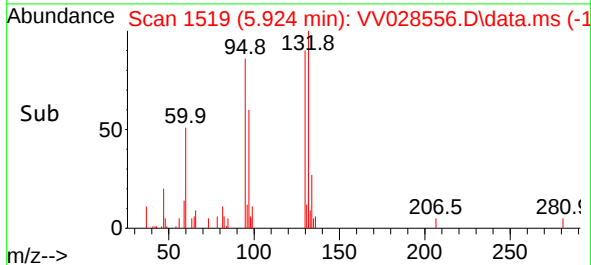
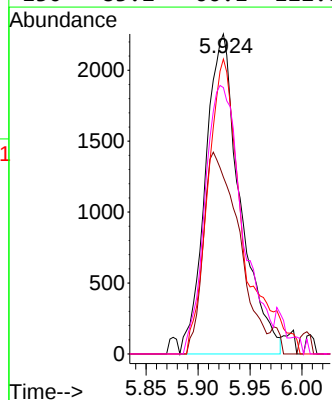
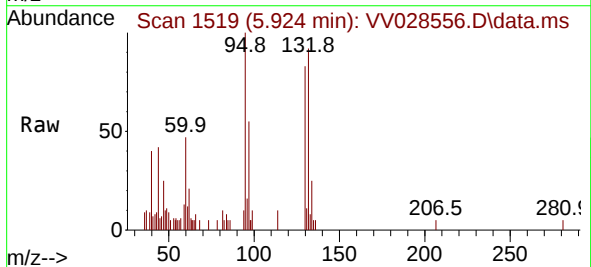
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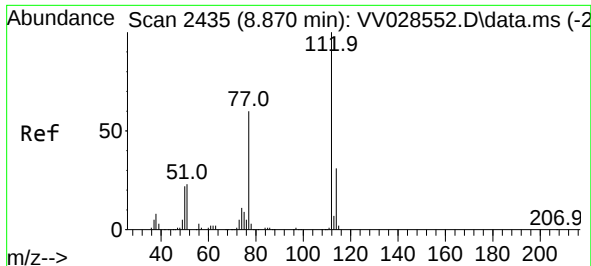
Tgt Ion: 56 Resp: 5621
Ion Ratio Lower Upper
56 100
69 34.1 22.4 33.6#
84 43.7 60.1 90.1#



#34
Trichloroethene
Concen: 0.273 ug/L
RT: 5.924 min Scan# 1519
Delta R.T. 0.035 min
Lab File: VV028556.D
Acq: 14 Oct 2022 18:25

Tgt Ion: 95 Resp: 5231
Ion Ratio Lower Upper
95 100
97 55.2 46.2 85.8
132 92.2 65.1 120.9
130 83.2 66.1 122.8

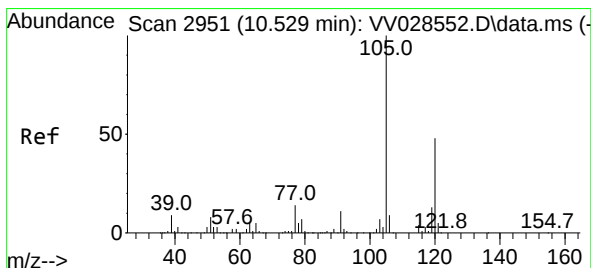
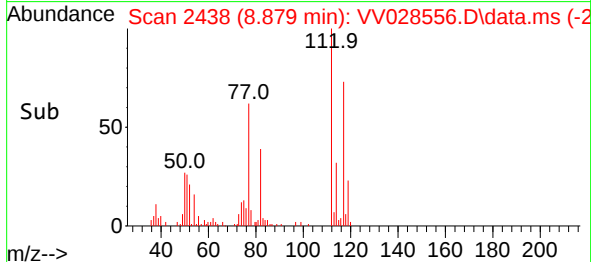
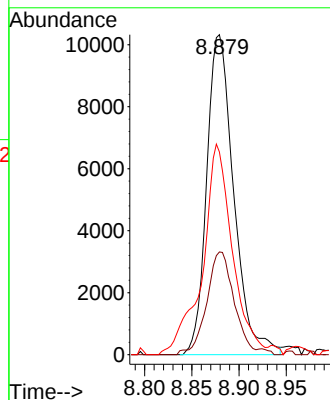
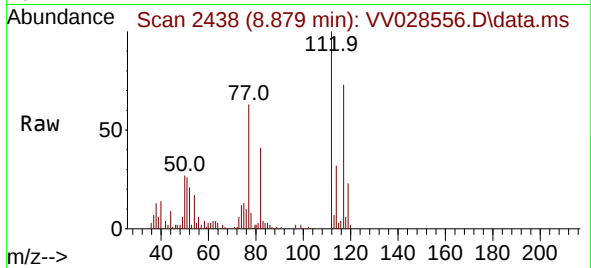




#51
Chlorobenzene
Concen: 0.440 ug/L
RT: 8.879 min Scan# 2435
Delta R.T. 0.010 min
Lab File: VV028556.D
Acq: 14 Oct 2022 18:25

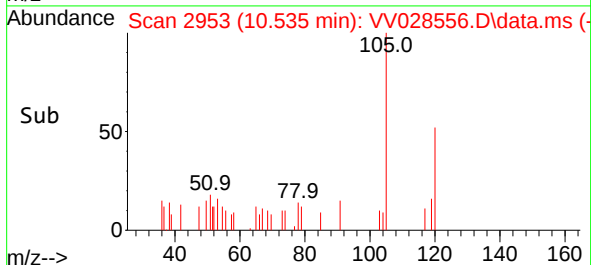
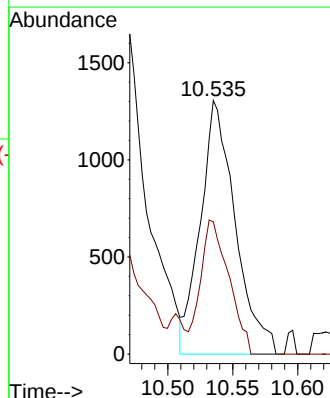
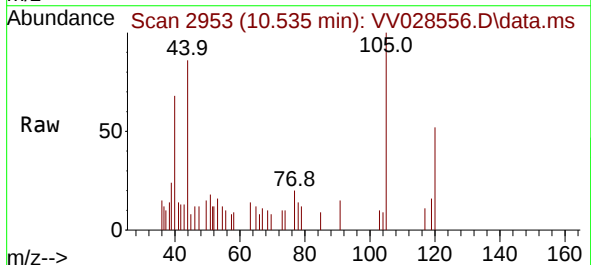
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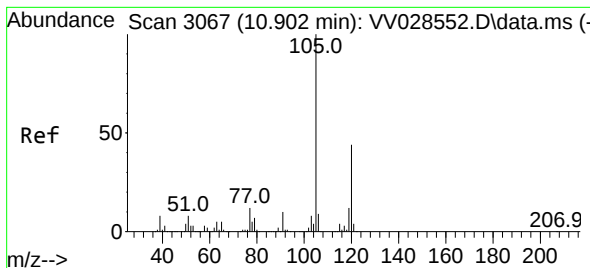
Tgt Ion:	112	Resp:	20583
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.4	41.6
77	63.4	50.2	75.2



#62
1,3,5-Trimethylbenzene
Concen: 0.107 ug/L
RT: 10.535 min Scan# 2953
Delta R.T. 0.006 min
Lab File: VV028556.D
Acq: 14 Oct 2022 18:25

Tgt Ion:	105	Resp:	2436
Ion	Ratio	Lower	Upper
105	100		
120	42.9	38.0	57.0





#63

1,2,4-Trimethylbenzene

Concen: 0.135 ug/L

RT: 10.911 min Scan# 3067

Delta R.T. 0.010 min

Lab File: VV028556.D

Acq: 14 Oct 2022 18:25

Instrument :

MSVOA_V

ClientSampleId :

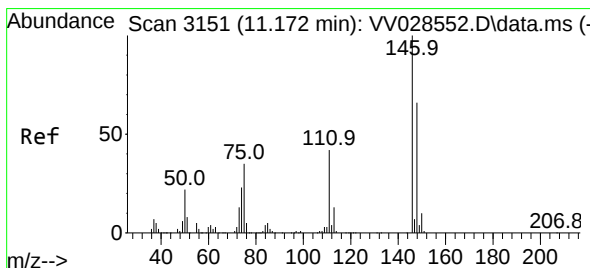
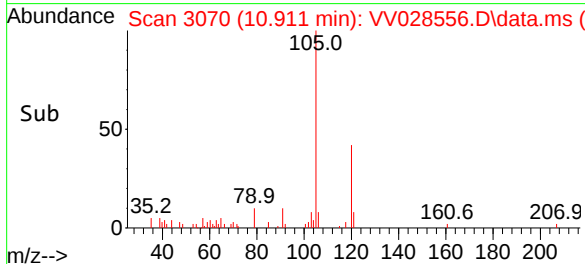
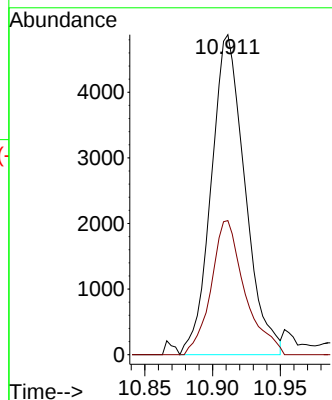
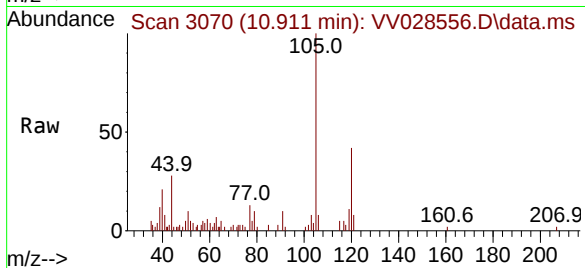
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Tgt Ion:105 Resp: 8433

Ion Ratio Lower Upper

105 100

120 41.9 35.6 53.4



#64

1,3-Dichlorobenzene

Concen: 0.352 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.006 min

Lab File: VV028556.D

Acq: 14 Oct 2022 18:25

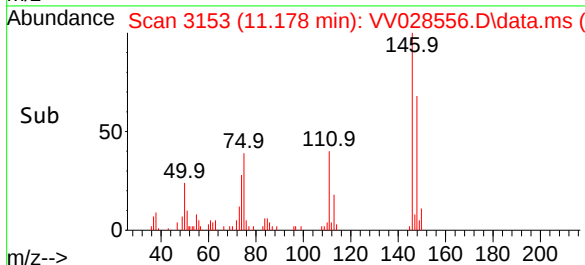
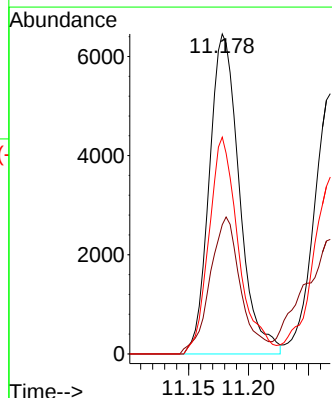
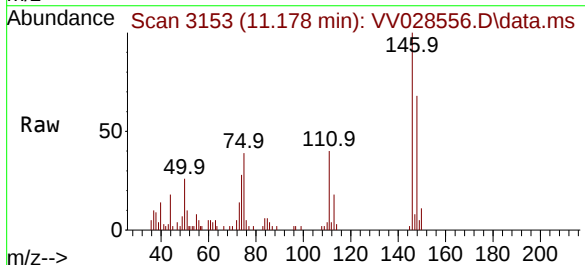
Tgt Ion:146 Resp: 11243

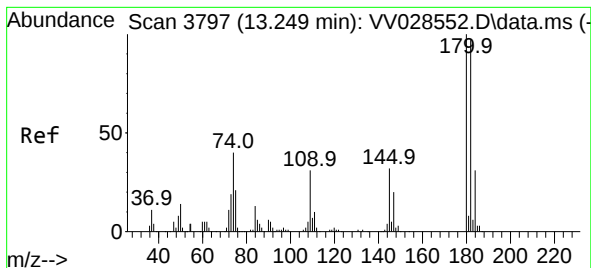
Ion Ratio Lower Upper

146 100

111 40.4 28.5 52.9

148 67.7 45.1 83.9





#70

1,2,4-trichlorobenzene

Concen: 0.865 ug/L

RT: 13.252 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV028556.D

Acq: 14 Oct 2022 18:25

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ClientSampleId :

BFZ06

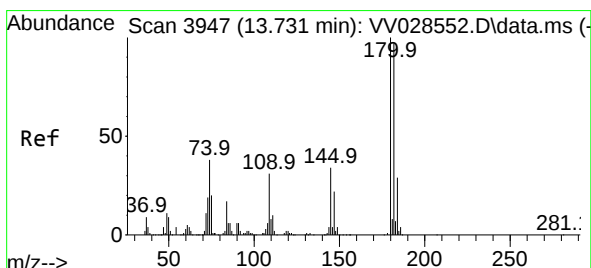
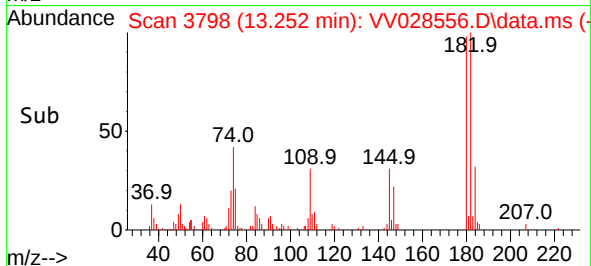
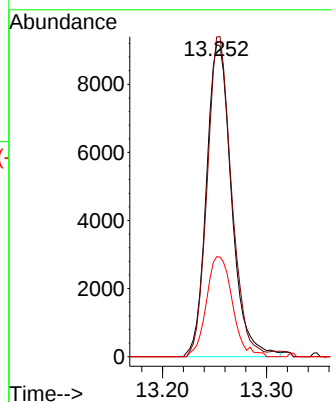
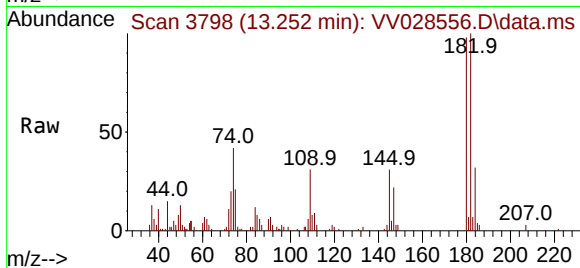
Tgt Ion:180 Resp: 15411

Ion Ratio Lower Upper

180 100

182 98.9 74.2 111.2

145 33.0 25.3 37.9



#72

1,2,3-Trichlorobenzene

Concen: 0.581 ug/L

RT: 13.734 min Scan# 3948

Delta R.T. 0.003 min

Lab File: VV028556.D

Acq: 14 Oct 2022 18:25

Tgt Ion:180 Resp: 8533

Ion Ratio Lower Upper

180 100

182 96.4 76.3 114.5

145 37.0 25.8 38.8

