

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081322\
 Data File : VV027363.D
 Acq On : 13 Aug 2022 12:28
 Operator : SY/MD
 Sample : N4162-14DL 4X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 13 21:51:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 13 21:49:38 2022
 Response via : Initial Calibration

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

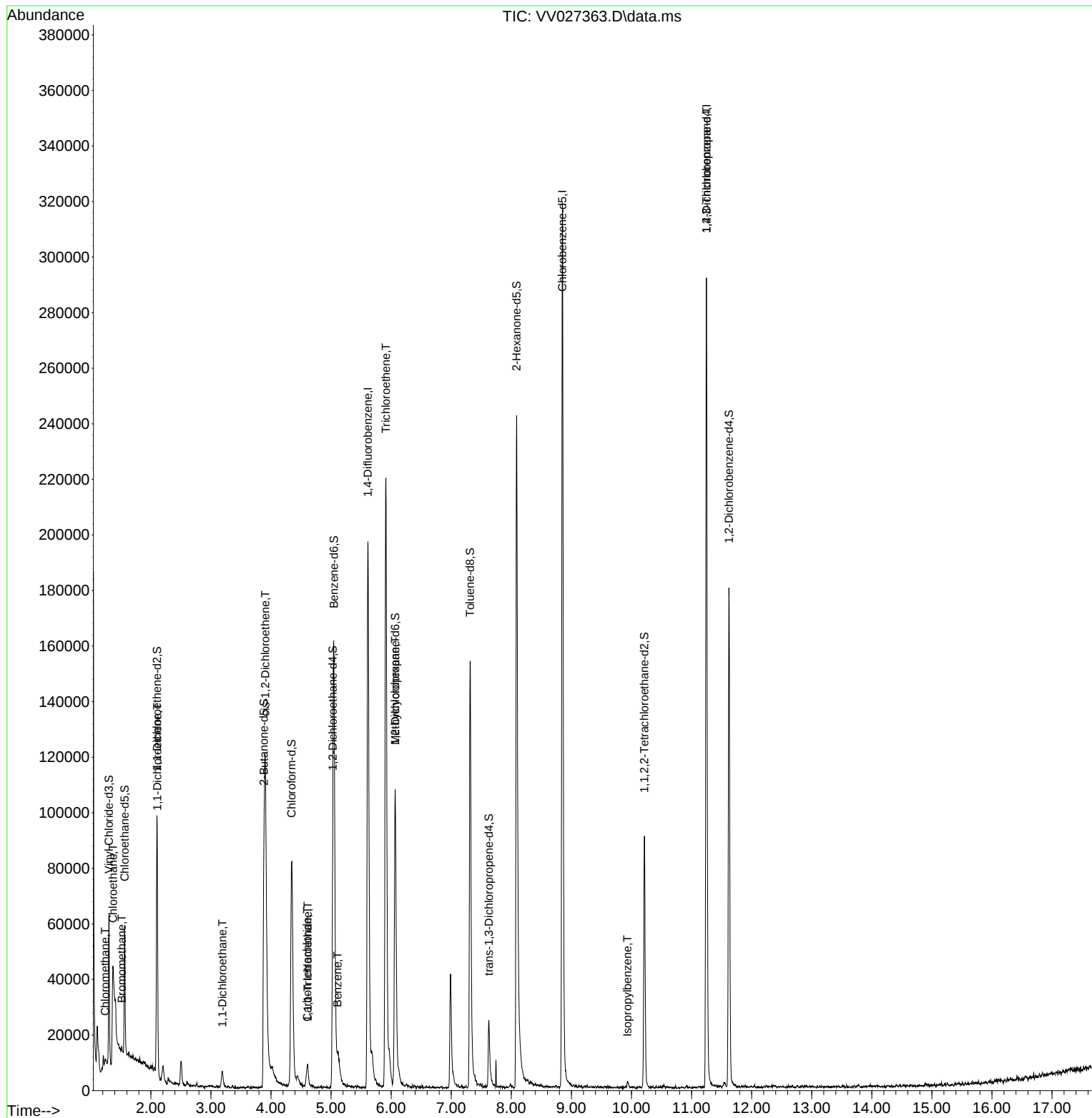
Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	178627	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	178635	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	75611	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	35337	2.277	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	45.600%
7) Chloroethane-d5	1.564	69	29521	2.619	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	52.400%#
11) 1,1-Dichloroethene-d2	2.101	63	48928	1.738	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	34.800%#
20) 2-Butanone-d5	3.883	46	122565	46.633	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.260%
24) Chloroform-d	4.342	84	85311	2.997	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	60.000%#
26) 1,2-Dichloroethane-d4	5.027	65	42613	3.143	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	62.800%#
32) Benzene-d6	5.047	84	139535	2.648	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	53.000%#
36) 1,2-Dichloropropane-d6	6.066	67	53250	3.268	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	65.400%
41) Toluene-d8	7.313	98	107167	2.221	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	44.400%#
43) trans-1,3-Dichloroprop...	7.625	79	15472	2.741	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	54.800%#
46) 2-Hexanone-d5	8.088	63	82780	37.901	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.800%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	43879	3.723	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	74.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	46284	3.547	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	71.000%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	875	0.041	ug/L	83
6) Bromomethane	1.516	94	414	0.045	ug/L	96
8) Chloroethane	1.371	64	78457	7.125	ug/L #	52
12) 1,1-Dichloroethene	2.108	96	1044	0.081	ug/L #	1
19) 1,1-Dichloroethane	3.191	63	5218	0.172	ug/L	94
22) cis-1,2-Dichloroethene	3.905	96	39880	2.563	ug/L	95
29) 1,1,1-Trichloroethane	4.613	97	6298	0.251	ug/L	99
31) Carbon tetrachloride	4.603	117	672	0.031	ug/L #	76
33) Benzene	5.108	78	5134	0.084	ug/L	100
34) Trichloroethene	5.912	95	80543	5.300	ug/L	98
35) Methylcyclohexane	6.066	83	12472	0.596	ug/L #	16
60) Isopropylbenzene	9.934	105	1527	0.032	ug/L #	86
61) 1,2,3-Trichloropropane	11.249	75	8841	1.214	ug/L #	66

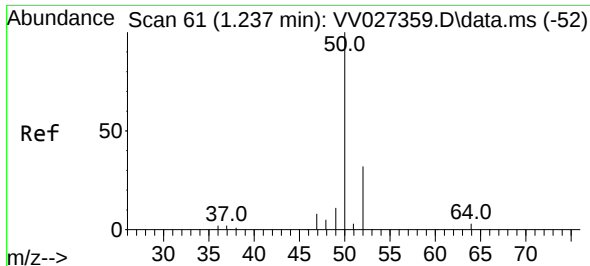
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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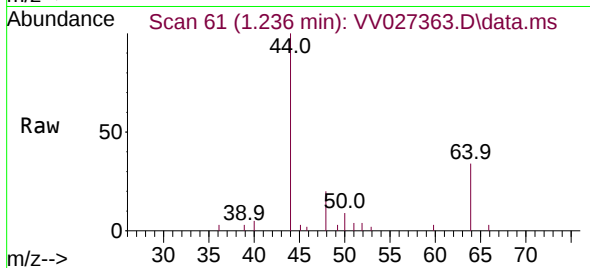
Quant Time: Aug 13 21:51:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
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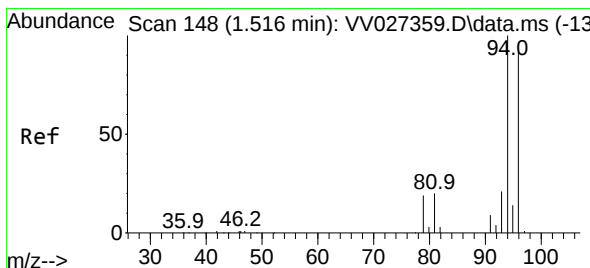
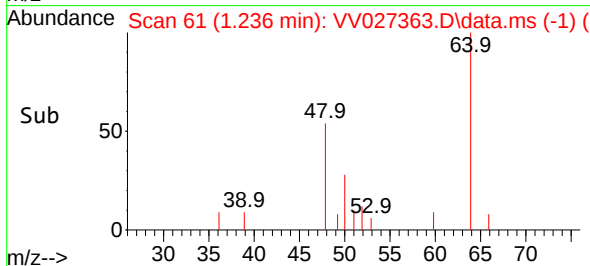
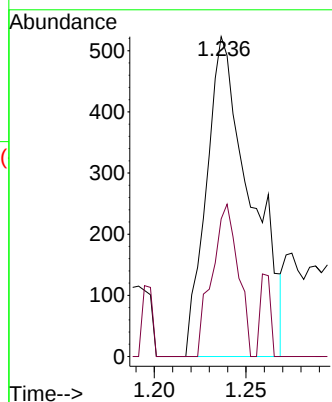


#3
Chloromethane
Concen: 0.041 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV027363.D
Acq: 13 Aug 2022 12:28

Instrument :
MSVOA_V
ClientSampleId :

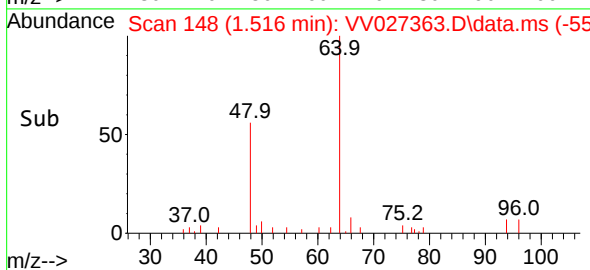
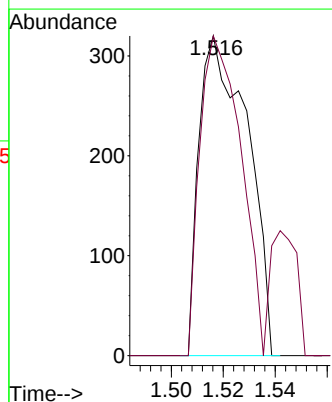
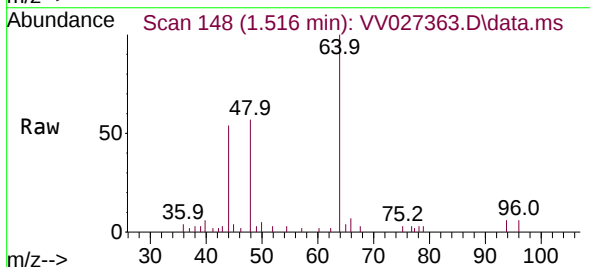


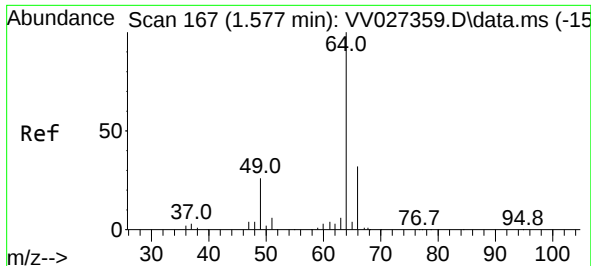
Tgt Ion: 50 Resp: 875
Ion Ratio Lower Upper
50 100
52 43.0 23.4 43.4



#6
Bromomethane
Concen: 0.045 ug/L
RT: 1.516 min Scan# 148
Delta R.T. -0.000 min
Lab File: VV027363.D
Acq: 13 Aug 2022 12:28

Tgt Ion: 94 Resp: 414
Ion Ratio Lower Upper
94 100
96 100.0 67.2 124.8

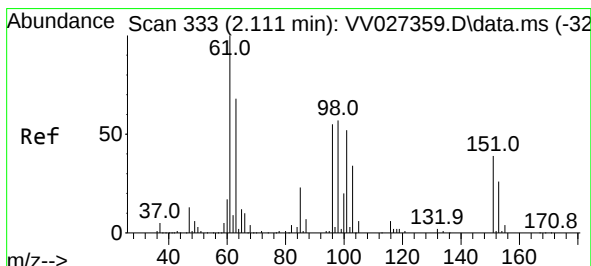
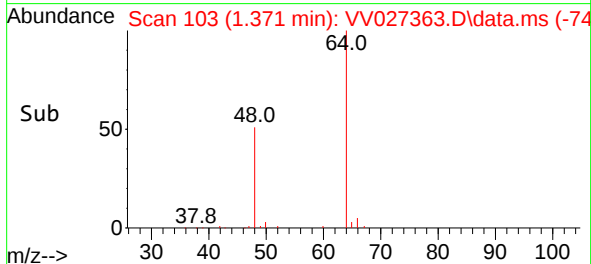
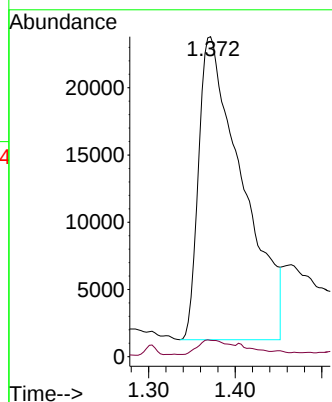
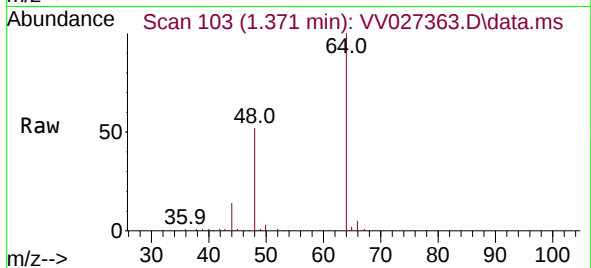




#8
Chloroethane
Concen: 7.125 ug/L
RT: 1.371 min Scan# 103
Delta R.T. -0.206 min
Lab File: VV027363.D
Acq: 13 Aug 2022 12:28

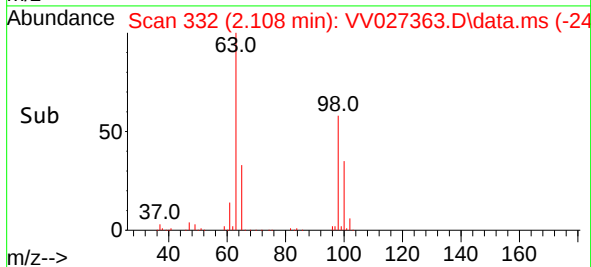
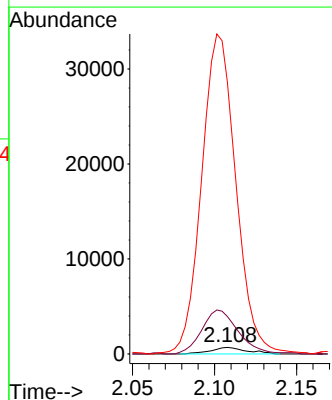
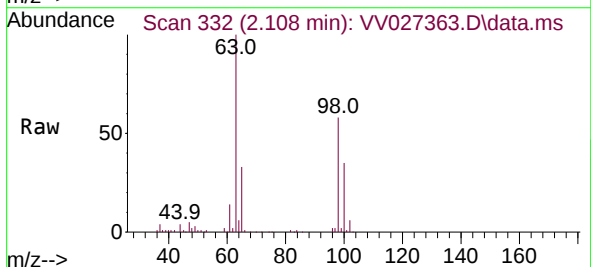
Instrument :
MSVOA_V
ClientSampleId :

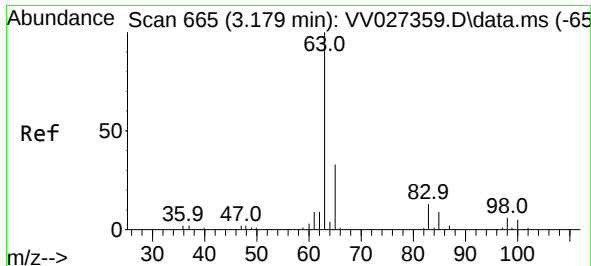
Tgt Ion: 64 Resp: 78457
Ion Ratio Lower Upper
64 100
66 5.1 22.3 41.5#



#12
1,1-Dichloroethene
Concen: 0.081 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.003 min
Lab File: VV027363.D
Acq: 13 Aug 2022 12:28

Tgt Ion: 96 Resp: 1044
Ion Ratio Lower Upper
96 100
61 564.2 130.7 242.7#
63 4100.9 101.4 188.2#





#19

1,1-Dichloroethane

Concen: 0.172 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.013 min

Lab File: VV027363.D

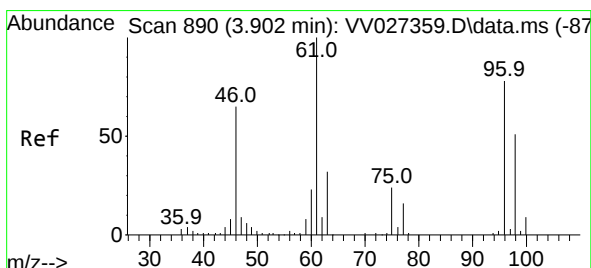
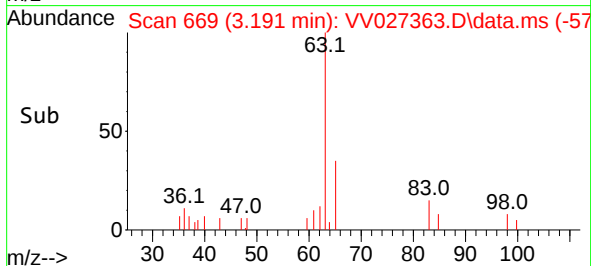
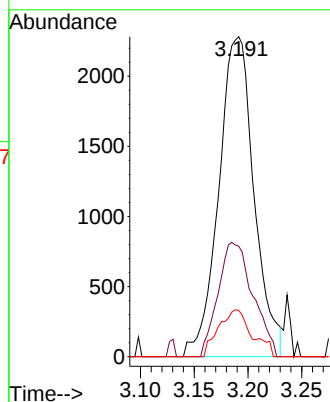
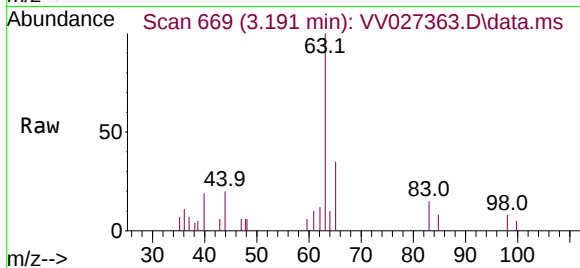
Acq: 13 Aug 2022 12:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 5218
Ion Ratio	Lower Upper
63 100	
65 34.5	21.6 40.2
83 14.5	9.3 17.3



#22

cis-1,2-Dichloroethene

Concen: 2.563 ug/L

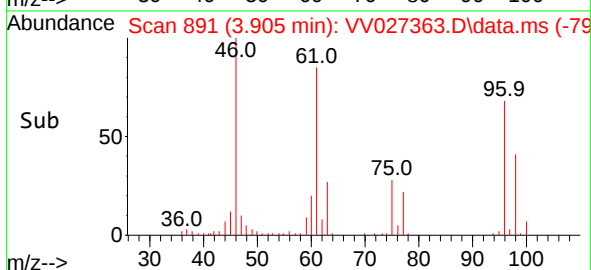
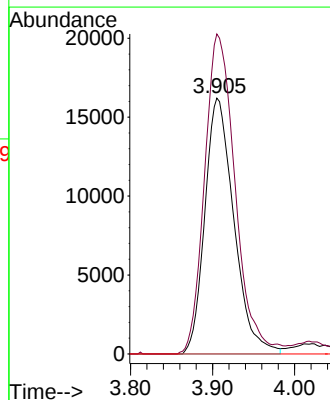
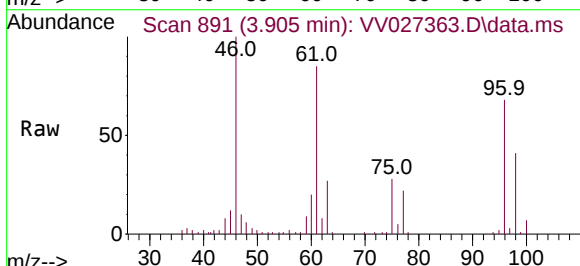
RT: 3.905 min Scan# 891

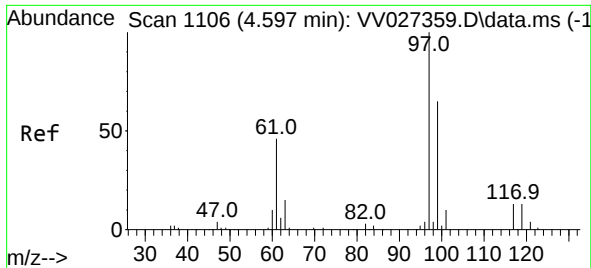
Delta R.T. 0.003 min

Lab File: VV027363.D

Acq: 13 Aug 2022 12:28

Tgt Ion: 96	Resp: 39880		
Ion Ratio	Lower	Upper	
96	100		
61	125.1	91.3	169.5
68	0.0	0.0	0.0





#29

1,1,1-Trichloroethane

Concen: 0.251 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.016 min

Lab File: VV027363.D

Acq: 13 Aug 2022 12:28

Instrument :

MSVOA_V

ClientSampleId :

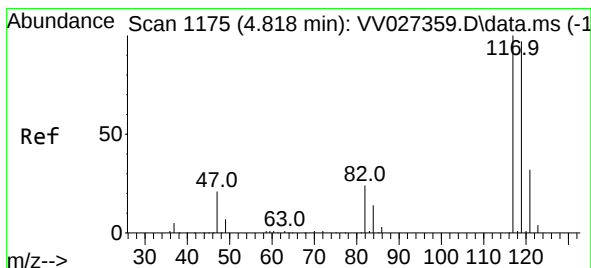
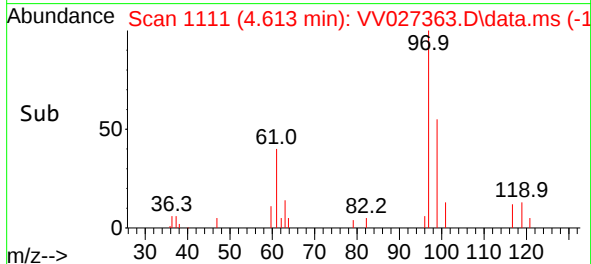
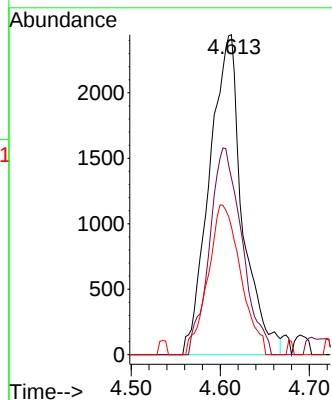
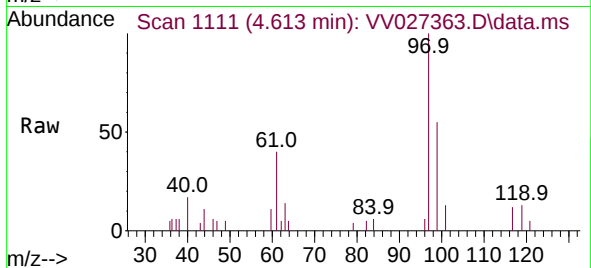
Tgt Ion: 97 Resp: 6298

Ion Ratio Lower Upper

97 100

99 63.6 50.8 76.2

61 46.4 36.5 54.7



#31

Carbon tetrachloride

Concen: 0.031 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.216 min

Lab File: VV027363.D

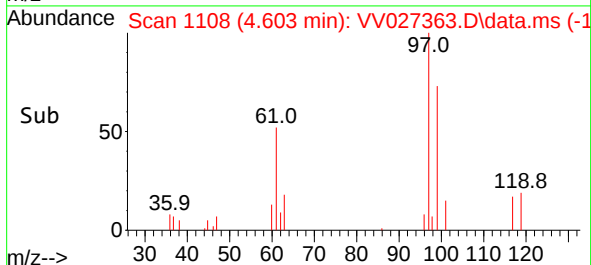
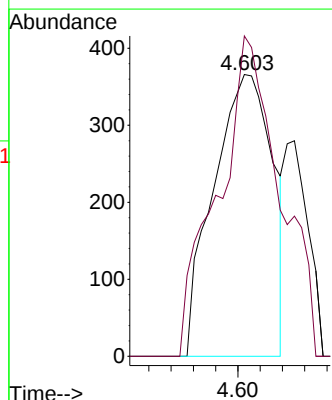
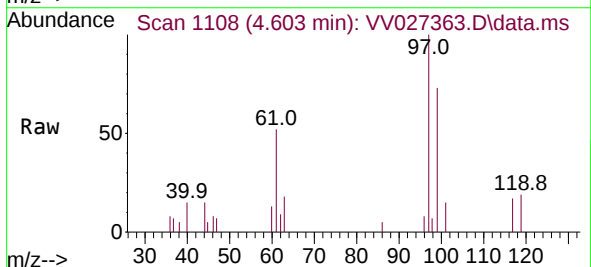
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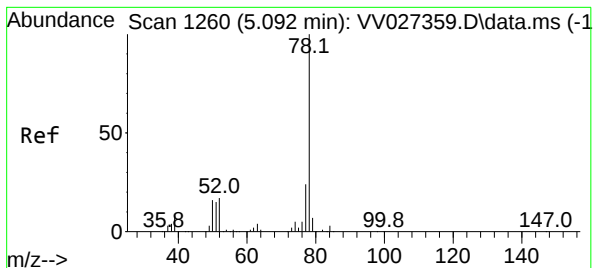
Tgt Ion: 117 Resp: 672

Ion Ratio Lower Upper

117 100

119 119.2 76.6 115.0#





#33

Benzene

Concen: 0.084 ug/L

RT: 5.108 min Scan# 1

Delta R.T. 0.016 min

Lab File: VV027363.D

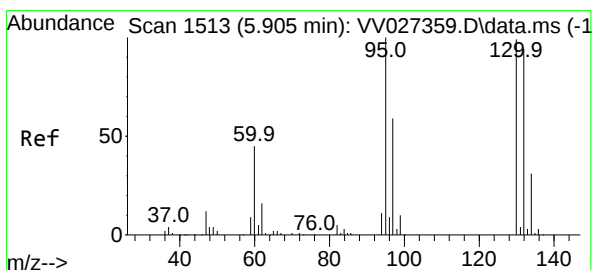
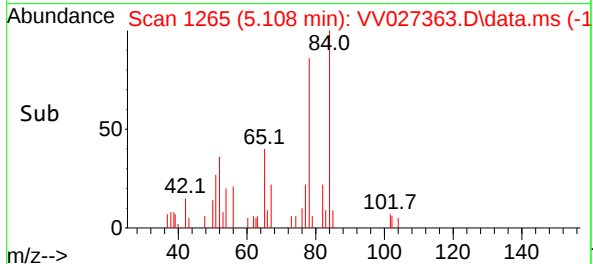
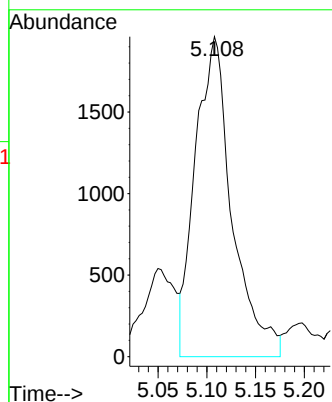
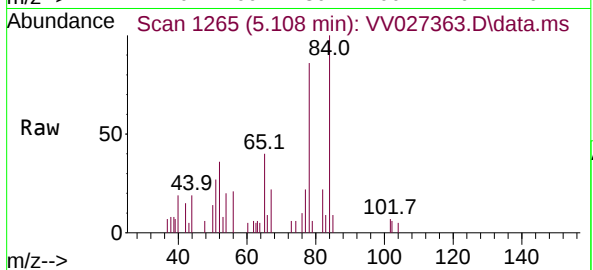
Acq: 13 Aug 2022 12:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 5134



#34

Trichloroethene

Concen: 5.300 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. 0.006 min

Lab File: VV027363.D

Acq: 13 Aug 2022 12:28

Tgt Ion: 95 Resp: 80543

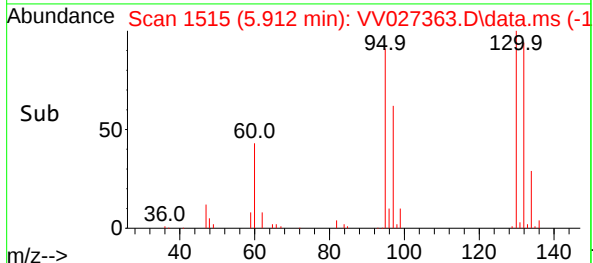
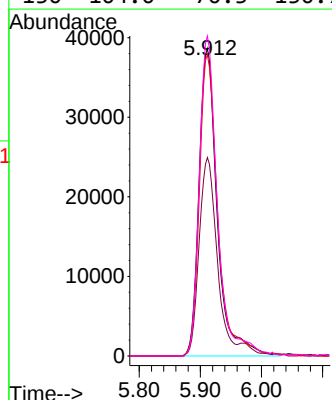
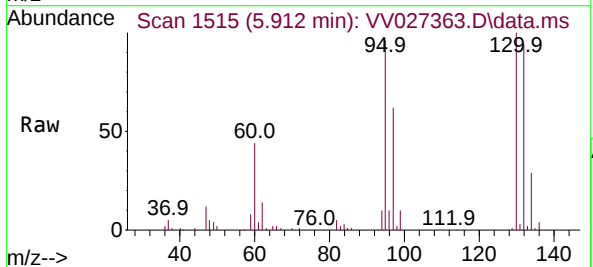
Ion Ratio Lower Upper

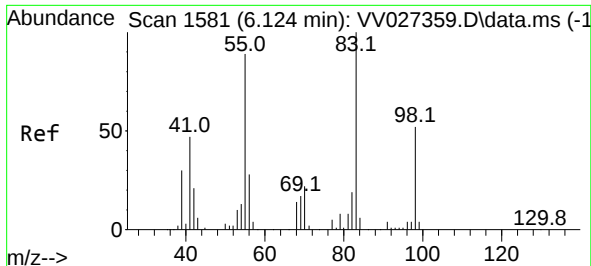
95 100

97 64.5 45.5 84.5

132 97.9 68.2 126.6

130 104.0 70.3 130.7

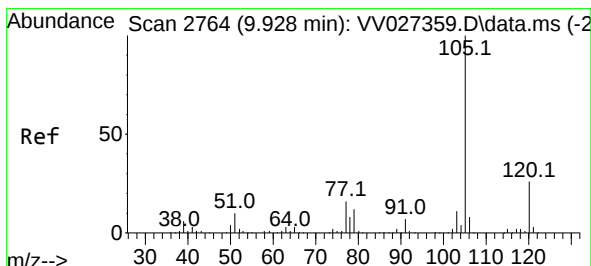
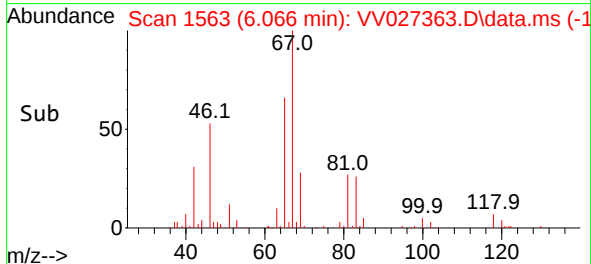
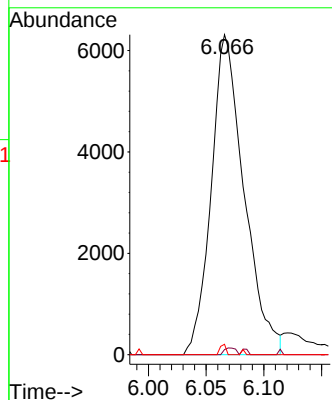
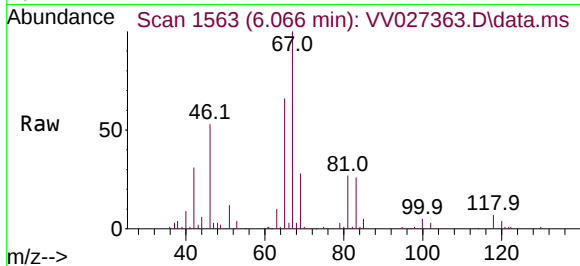




#35
Methylcyclohexane
Concen: 0.596 ug/L
RT: 6.066 min Scan# 11
Delta R.T. -0.058 min
Lab File: VV027363.D
Acq: 13 Aug 2022 12:28

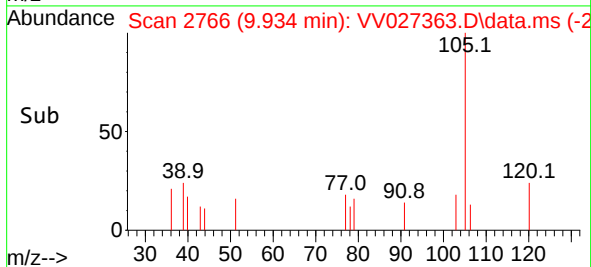
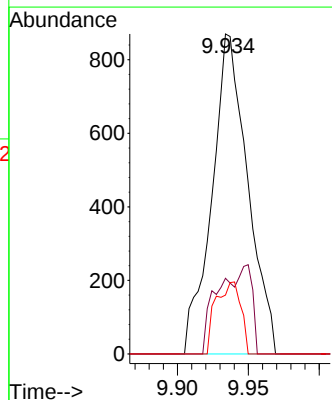
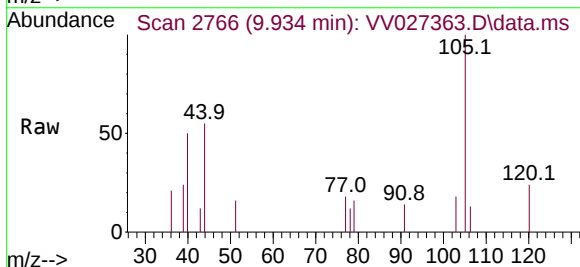
Instrument :
MSVOA_V
ClientSampleId :

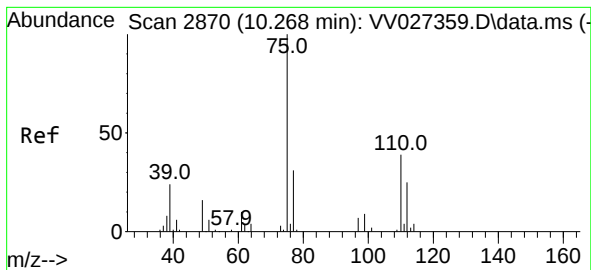
Tgt Ion: 83 Resp: 12472
Ion Ratio Lower Upper
83 100
55 0.7 67.0 100.6#
98 0.6 38.7 58.1#



#60
Isopropylbenzene
Concen: 0.032 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.006 min
Lab File: VV027363.D
Acq: 13 Aug 2022 12:28

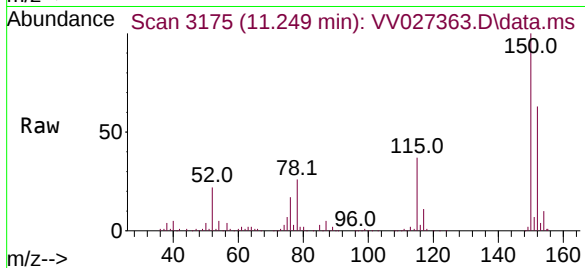
Tgt Ion: 105 Resp: 1527
Ion Ratio Lower Upper
105 100
120 15.4 21.0 31.4#
77 15.7 13.2 19.8





#61
 1,2,3-Trichloropropane
 Concen: 1.214 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.981 min
 Lab File: VV027363.D
 Acq: 13 Aug 2022 12:28

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.3	26.6	39.8
110	2.3	31.0	46.6#

