

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081322\
 Data File : VW027364.D
 Acq On : 13 Aug 2022 12:53
 Operator : SY/MD
 Sample : N4162-20DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 13 21:51:19 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	5.613	114	170295	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	167283	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	74028	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	34975	2.364	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	47.200%
7) Chloroethane-d5	1.552	69	24833	2.311	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	46.200%#
11) 1,1-Dichloroethene-d2	2.095	63	49478	1.844	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	36.800%#
20) 2-Butanone-d5	3.880	46	124092	49.525	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.040%
24) Chloroform-d	4.339	84	86431	3.185	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	63.800%#
26) 1,2-Dichloroethane-d4	5.027	65	43441	3.361	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.200%#
32) Benzene-d6	5.043	84	140628	2.850	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	57.000%#
36) 1,2-Dichloropropane-d6	6.066	67	52562	3.445	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	68.800%
41) Toluene-d8	7.313	98	110691	2.450	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	49.000%#
43) trans-1,3-Dichloroprop...	7.622	79	16410	3.105	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.200%
46) 2-Hexanone-d5	8.088	63	82859	40.512	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.020%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	43634	3.953	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	46984	3.677	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	73.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.233	50	1200	0.059	ug/L	99
6) Bromomethane	1.513	94	740	0.084	ug/L	73
8) Chloroethane	1.298	64	1476	0.141	ug/L	96
14) Carbon disulfide	2.285	76	3075	0.063	ug/L #	93
16) Methylene chloride	2.500	84	12371	0.628	ug/L	97
18) trans-1,2-Dichloroethene	2.757	96	2208	0.146	ug/L	90
19) 1,1-Dichloroethane	3.182	63	2653	0.092	ug/L #	90
22) cis-1,2-Dichloroethene	3.902	96	28463	1.919	ug/L	99
25) Chloroform	4.368	83	2101	0.071	ug/L	87
29) 1,1,1-Trichloroethane	4.600	97	8106	0.344	ug/L	98
31) Carbon tetrachloride	4.609	117	949	0.046	ug/L	89
34) Trichloroethene	5.908	95	89060	6.258	ug/L	98
38) Bromodichloromethane	6.516	83	794	0.044	ug/L #	94
39) cis-1,3-Dichloropropene	6.986	75	1634	0.095	ug/L	87
49) Dibromochloromethane	8.243	129	624	0.053	ug/L #	61
50) 1,2-Dibromoethane	8.362	107	420	0.047	ug/L #	92
51) Chlorobenzene	8.886	112	1849	0.050	ug/L #	82
52) Ethylbenzene	9.018	91	2370	0.041	ug/L	95
53) m,p-Xylene	9.146	106	1159	0.053	ug/L	62

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081322\
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Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Aug 13 21:51:19 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

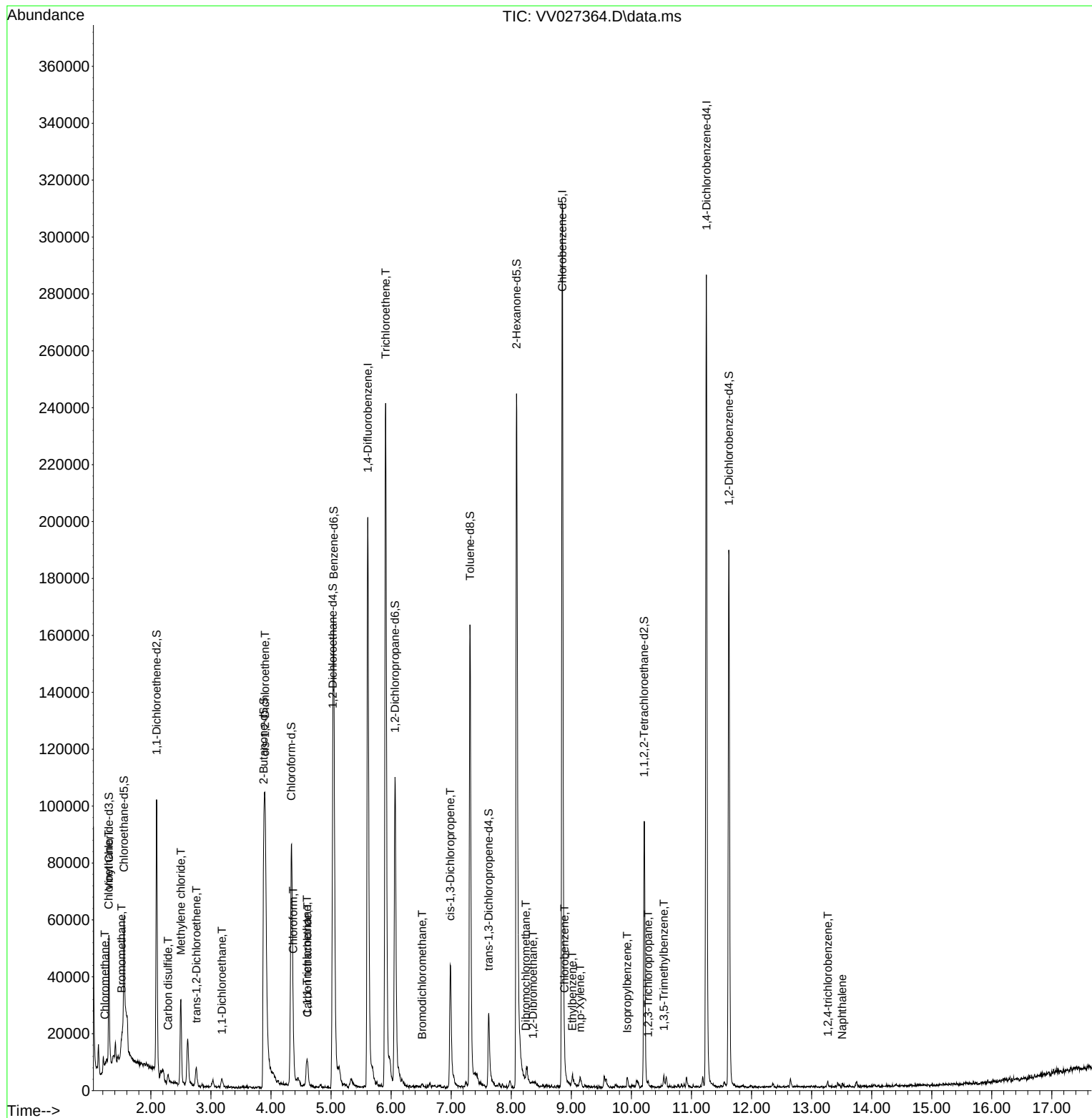
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	9.931	105	2413	0.052	ug/L #	78
61) 1,2,3-Trichloropropane	10.278	75	544	0.076	ug/L #	69
62) 1,3,5-Trimethylbenzene	10.542	105	1785	0.139	ug/L	98
70) 1,2,4-trichlorobenzene	13.271	180	761	0.061	ug/L #	86
71) Naphthalene	13.509	128	1100	0.057	ug/L #	85

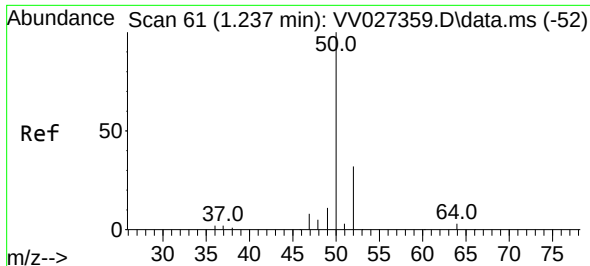
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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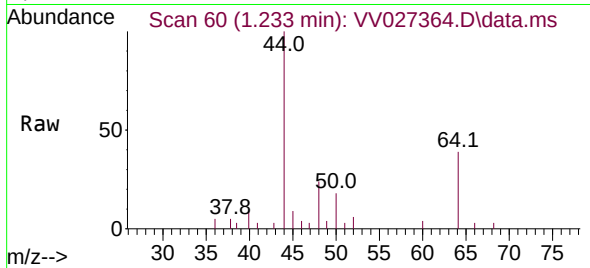
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 13 21:49:38 2022
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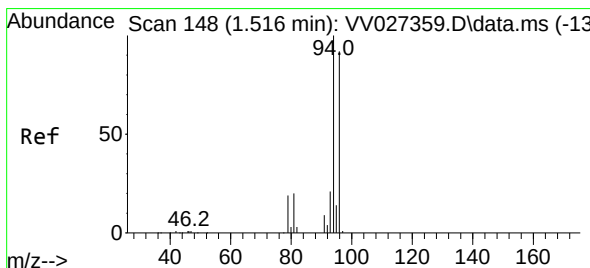
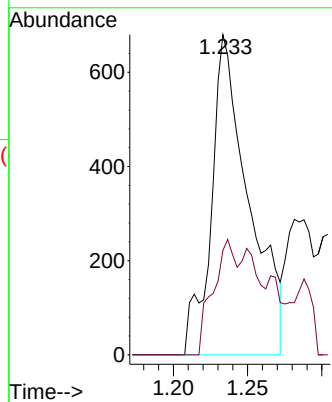
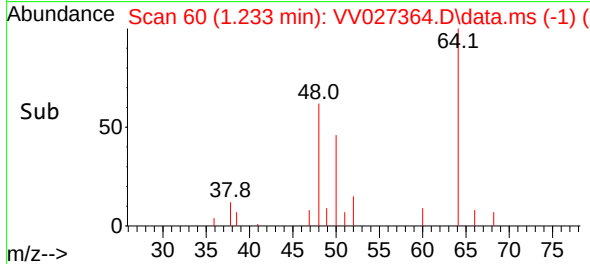


#3
Chloromethane
Concen: 0.059 ug/L
RT: 1.233 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

Instrument :
MSVOA_V
ClientSampleId :

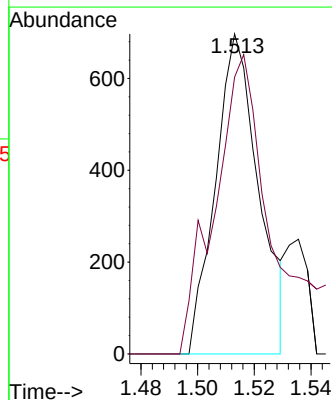
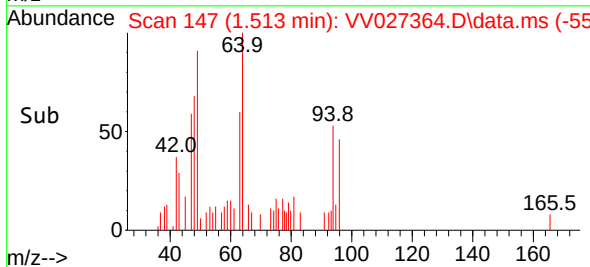
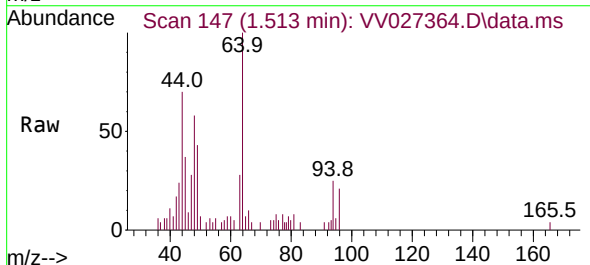


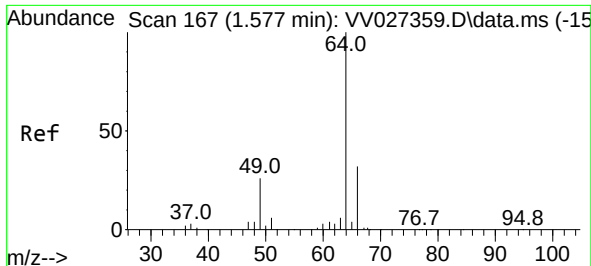
Tgt Ion: 50 Resp: 1200
Ion Ratio Lower Upper
50 100
52 32.6 23.4 43.4



#6
Bromomethane
Concen: 0.084 ug/L
RT: 1.513 min Scan# 147
Delta R.T. -0.003 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

Tgt Ion: 94 Resp: 740
Ion Ratio Lower Upper
94 100
96 69.6 67.2 124.8





#8

Chloroethane

Concen: 0.141 ug/L

RT: 1.298 min Scan# 80

Delta R.T. -0.280 min

Lab File: VV027364.D

Acq: 13 Aug 2022 12:53

Instrument :

MSVOA_V

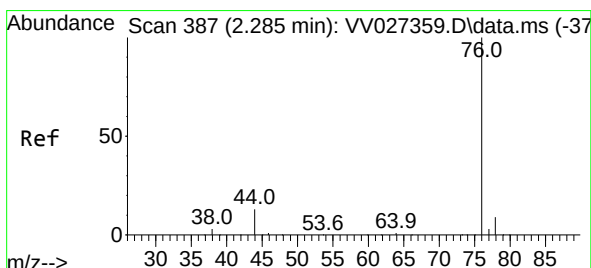
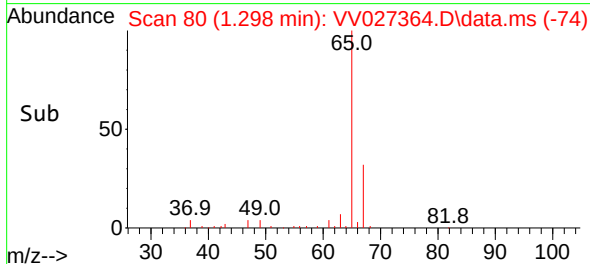
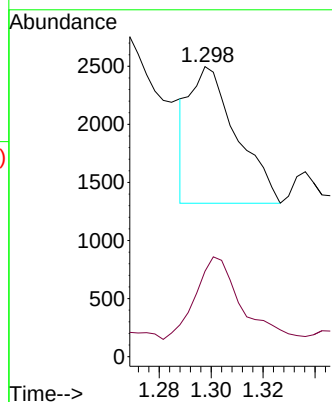
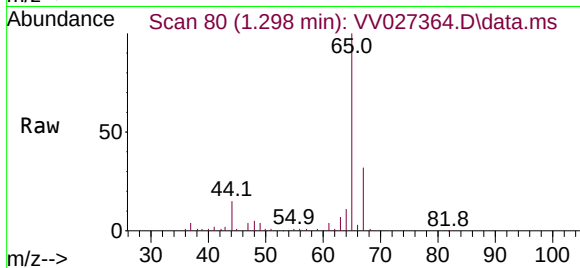
ClientSampleId :

Tgt Ion: 64 Resp: 1476

Ion Ratio Lower Upper

64 100

66 29.4 22.3 41.5



#14

Carbon disulfide

Concen: 0.063 ug/L

RT: 2.285 min Scan# 387

Delta R.T. -0.000 min

Lab File: VV027364.D

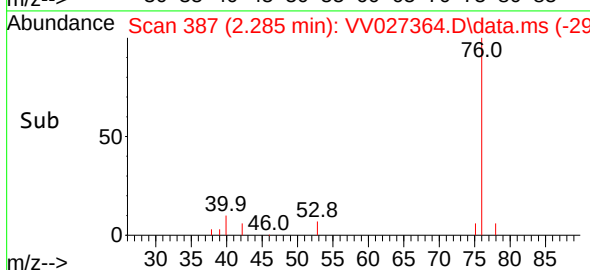
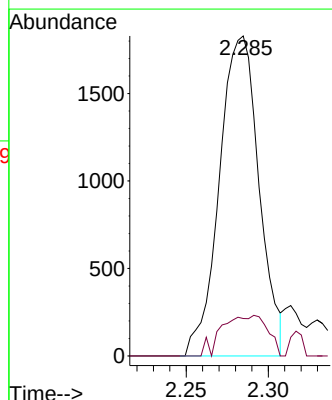
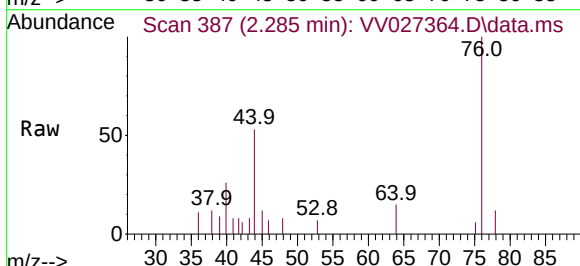
Acq: 13 Aug 2022 12:53

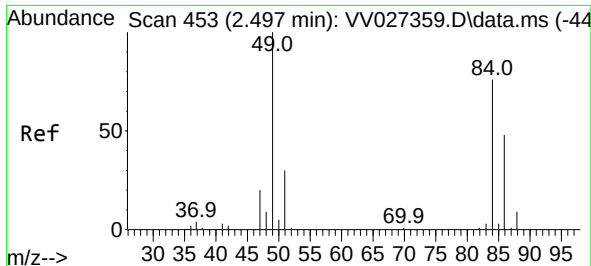
Tgt Ion: 76 Resp: 3075

Ion Ratio Lower Upper

76 100

78 11.7 7.2 10.8#

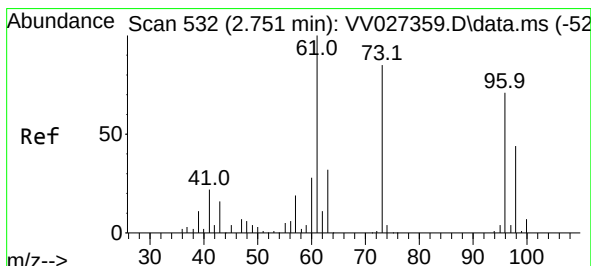
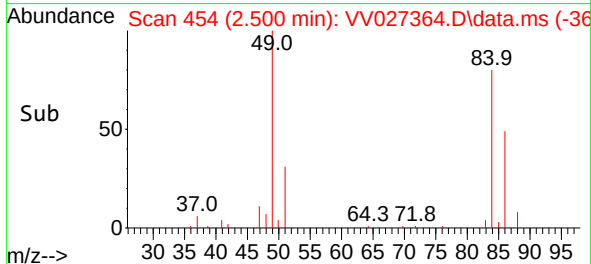
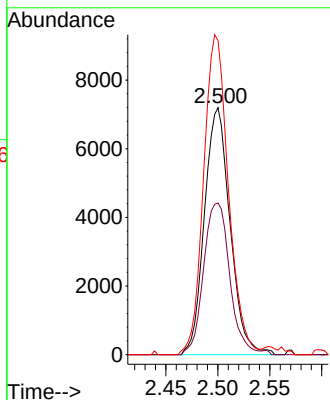
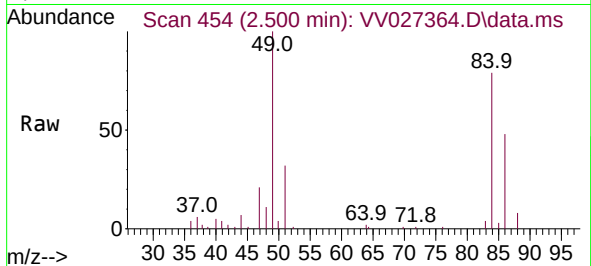




#16
Methylene chloride
Concen: 0.628 ug/L
RT: 2.500 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

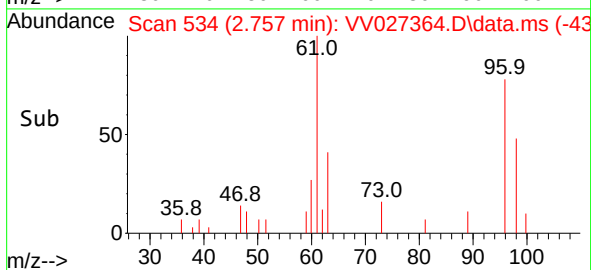
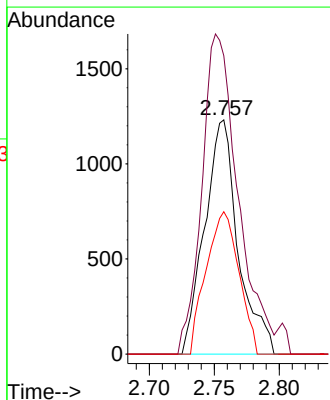
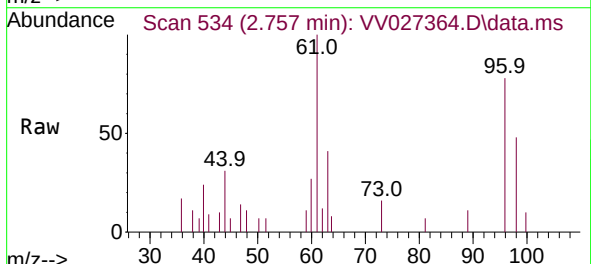
Instrument :
MSVOA_V
ClientSampleId :

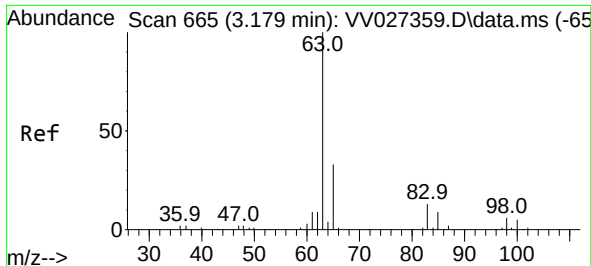
Tgt Ion: 84 Resp: 12371
Ion Ratio Lower Upper
84 100
86 61.4 45.1 83.9
49 127.1 91.2 169.4



#18
trans-1,2-Dichloroethene
Concen: 0.146 ug/L
RT: 2.757 min Scan# 534
Delta R.T. 0.006 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

Tgt Ion: 96 Resp: 2208
Ion Ratio Lower Upper
96 100
61 127.5 99.6 185.0
98 60.8 45.1 83.7





#19

1,1-Dichloroethane

Concen: 0.092 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV027364.D

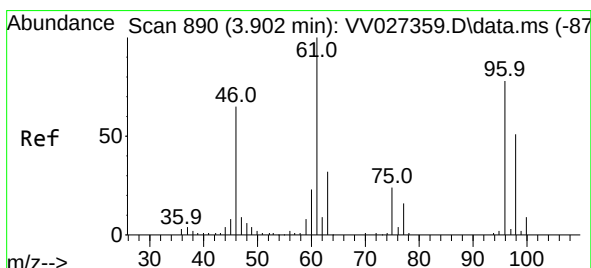
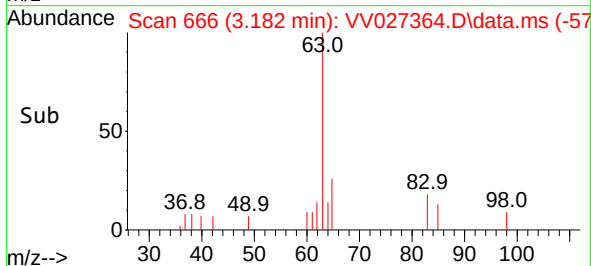
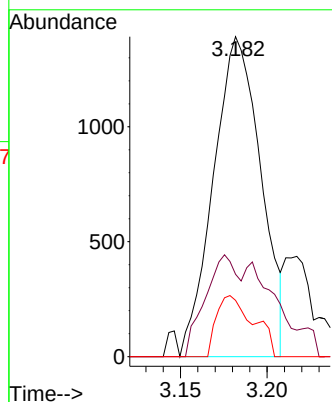
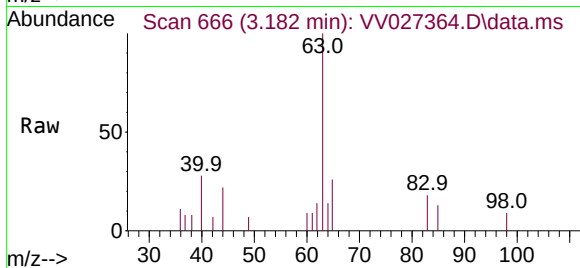
Acq: 13 Aug 2022 12:53

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 2653		
Ion Ratio	Lower	Upper	
63 100			
65 25.7	21.6	40.2	
83 17.6	9.3	17.3#	



#22

cis-1,2-Dichloroethene

Concen: 1.919 ug/L

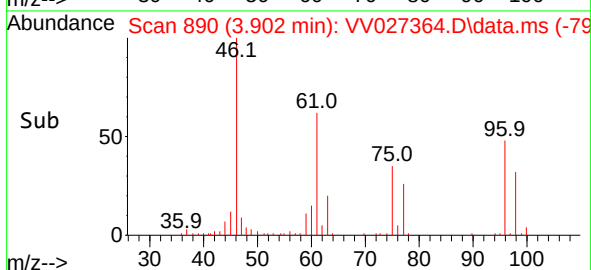
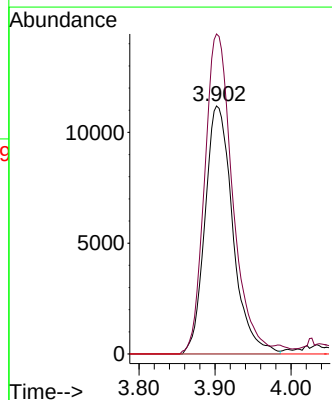
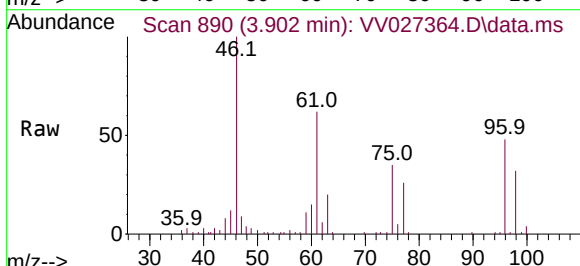
RT: 3.902 min Scan# 890

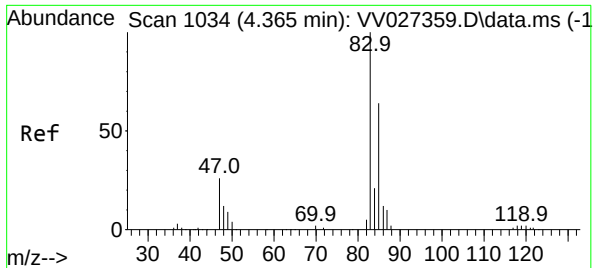
Delta R.T. -0.000 min

Lab File: VV027364.D

Acq: 13 Aug 2022 12:53

Tgt Ion: 96	Resp: 28463
Ion Ratio	Lower Upper
96 100	
61 129.0	91.3 169.5
68 0.0	0.0 0.0

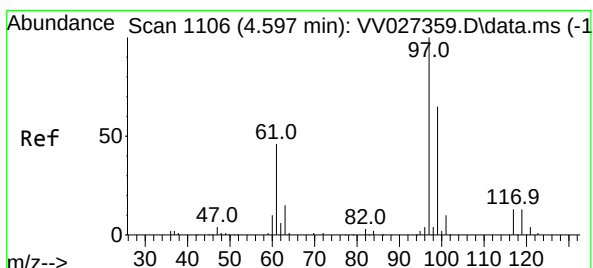
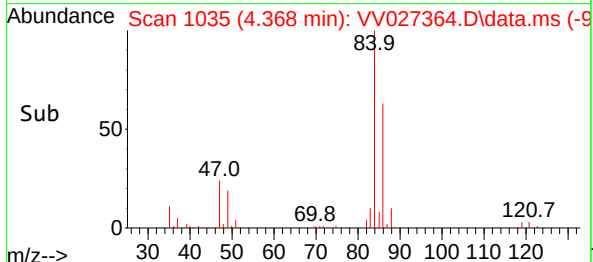
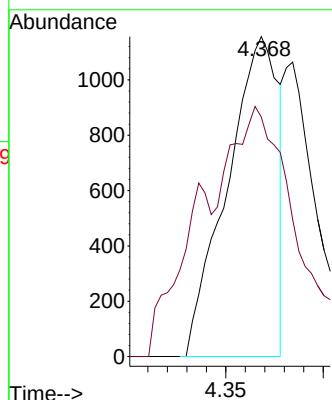
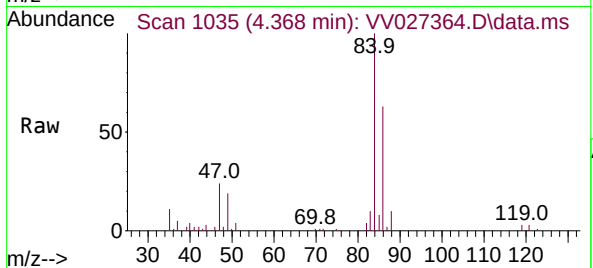




#25
Chloroform
Concen: 0.071 ug/L
RT: 4.368 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

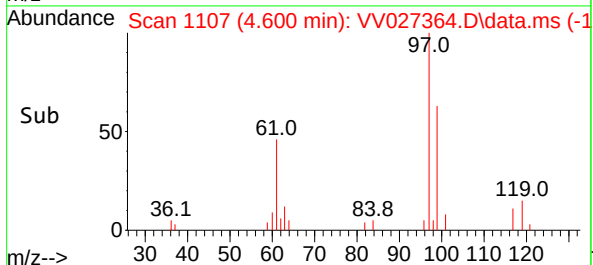
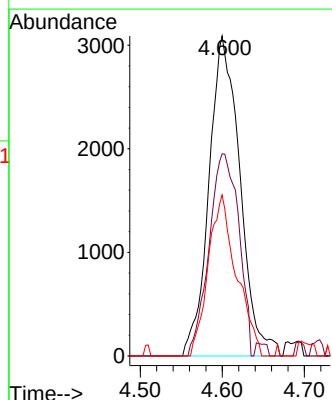
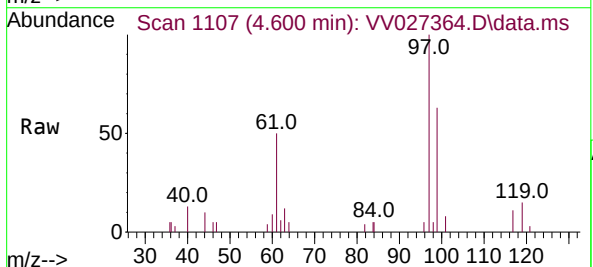
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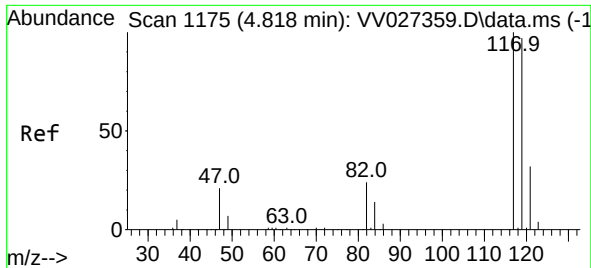
Tgt Ion: 83 Resp: 2101
Ion Ratio Lower Upper
83 100
85 74.8 45.2 84.0



#29
1,1,1-Trichloroethane
Concen: 0.344 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

Tgt Ion: 97 Resp: 8106
Ion Ratio Lower Upper
97 100
99 60.5 50.8 76.2
61 45.8 36.5 54.7

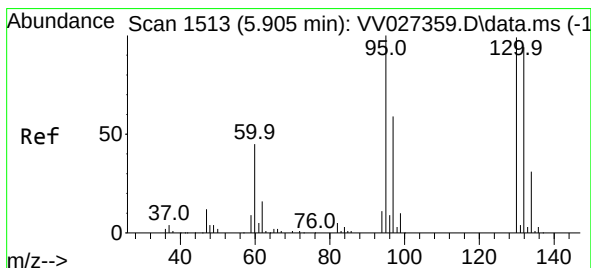
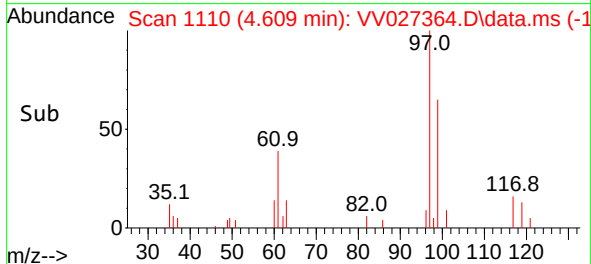
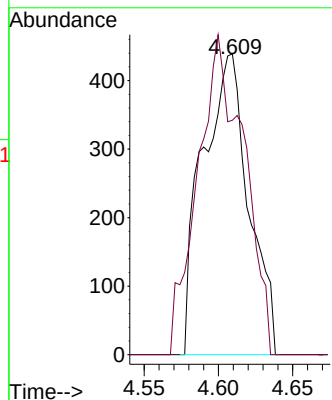
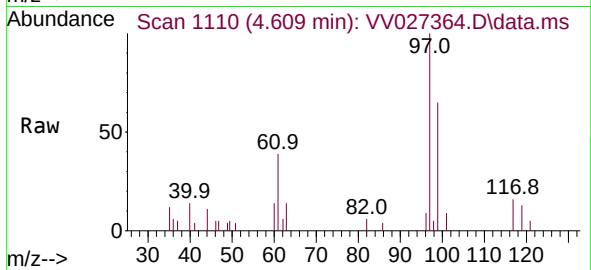




#31
Carbon tetrachloride
Concen: 0.046 ug/L
RT: 4.609 min Scan# 1175
Delta R.T. -0.209 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

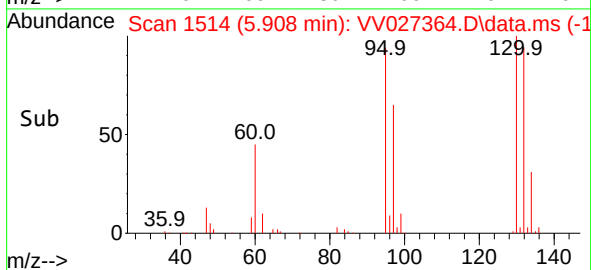
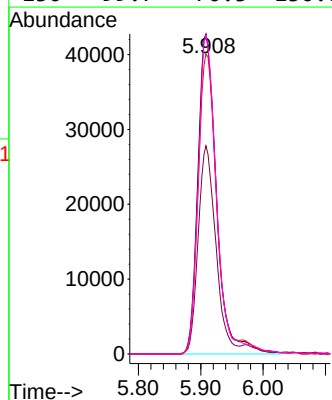
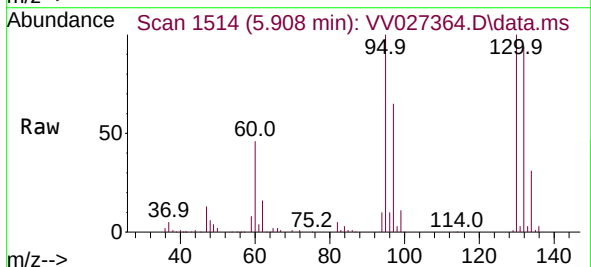
Instrument :
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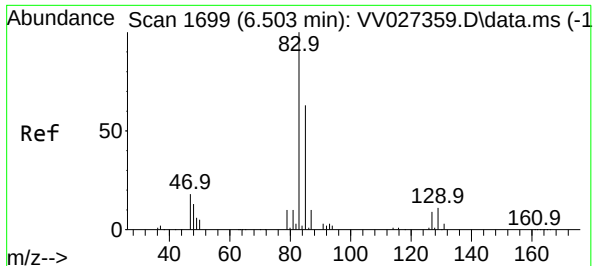
Tgt Ion:117 Resp: 949
Ion Ratio Lower Upper
117 100
119 106.4 76.6 115.0



#34
Trichloroethene
Concen: 6.258 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

Tgt Ion: 95 Resp: 89060
Ion Ratio Lower Upper
95 100
97 65.1 45.5 84.5
132 93.8 68.2 126.6
130 99.7 70.3 130.7

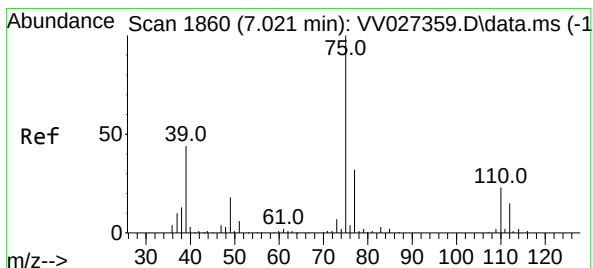
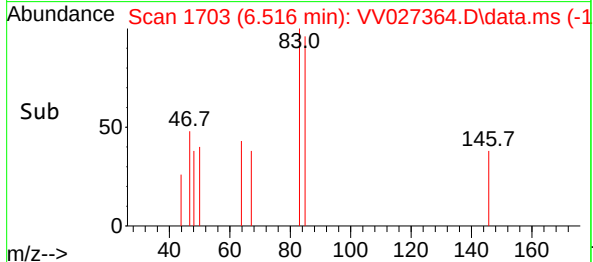
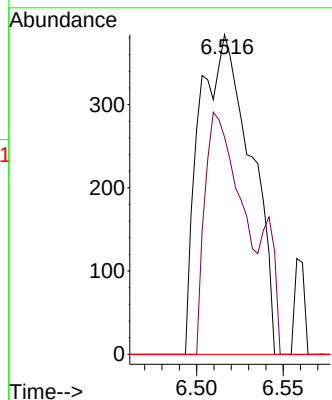
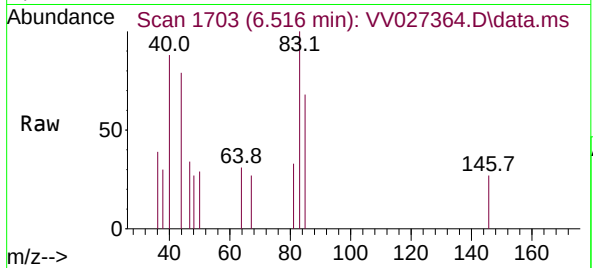




#38
Bromodichloromethane
Concen: 0.044 ug/L
RT: 6.516 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

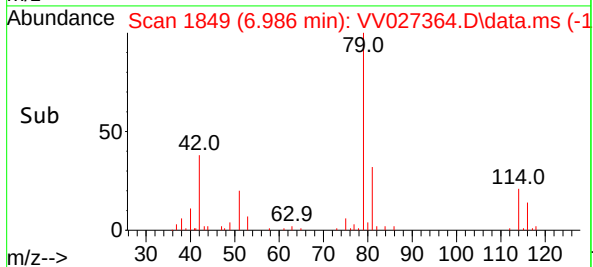
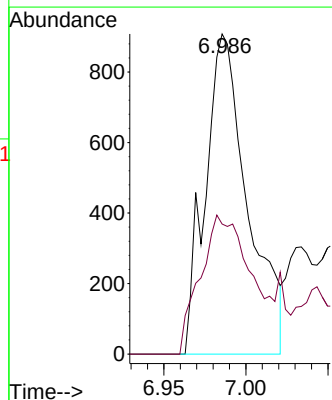
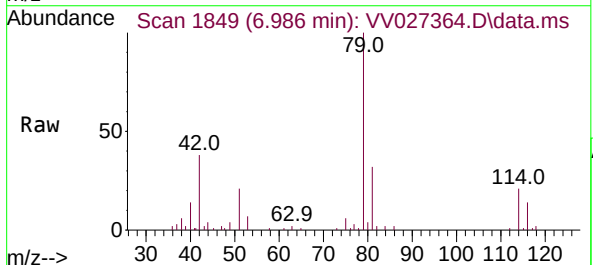
Instrument :
MSVOA_V
ClientSampleId :

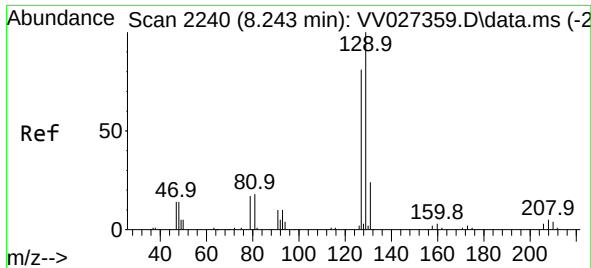
Tgt Ion: 83 Resp: 794
Ion Ratio Lower Upper
83 100
85 68.0 45.4 84.4
127 0.0 7.0 10.6#



#39
cis-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 6.986 min Scan# 1849
Delta R.T. -0.035 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

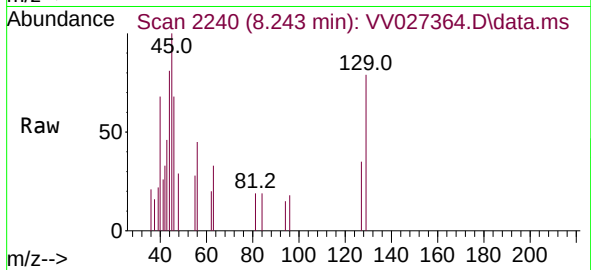
Tgt Ion: 75 Resp: 1634
Ion Ratio Lower Upper
75 100
77 40.6 23.2 43.0



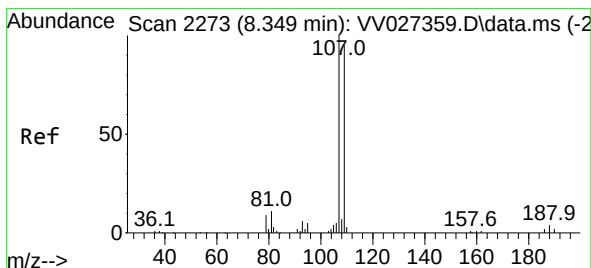
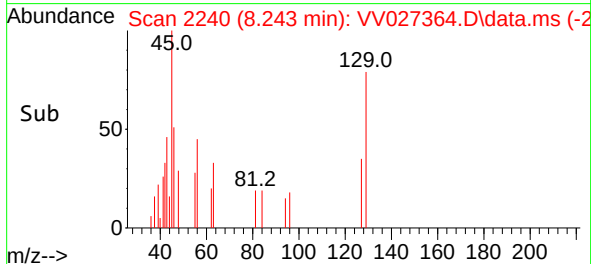
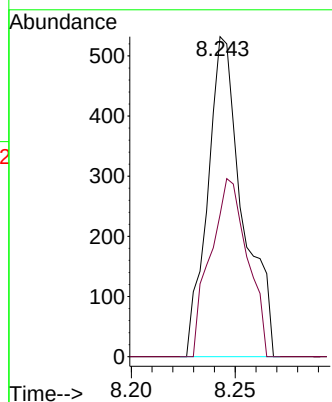


#49
Dibromochloromethane
Concen: 0.053 ug/L
RT: 8.243 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

Instrument :
MSVOA_V
ClientSampleId :

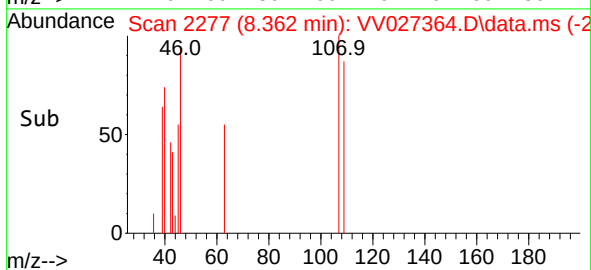
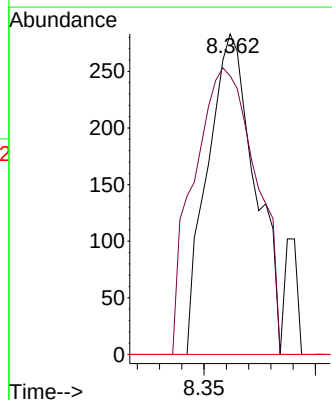
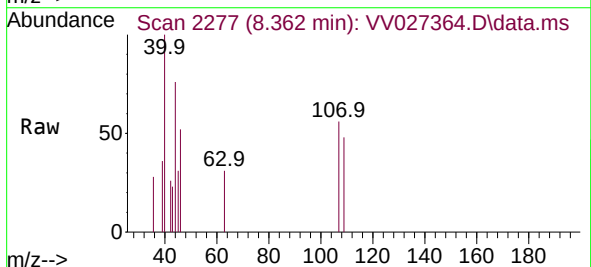


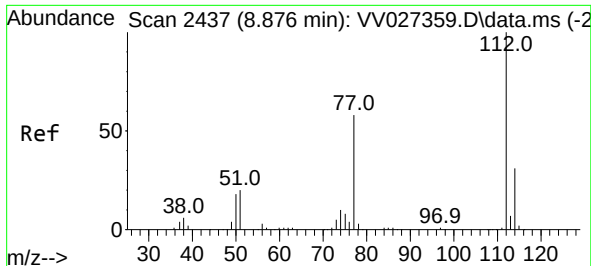
Tgt Ion:129 Resp: 624
Ion Ratio Lower Upper
129 100
127 44.4 54.5 101.3#



#50
1,2-Dibromoethane
Concen: 0.047 ug/L
RT: 8.362 min Scan# 2277
Delta R.T. 0.013 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

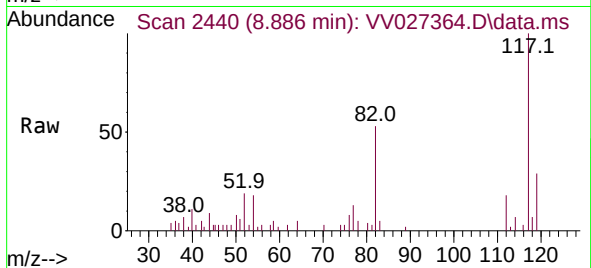
Tgt Ion:107 Resp: 420
Ion Ratio Lower Upper
107 100
109 86.9 66.1 122.8
188 0.0 3.4 5.2#



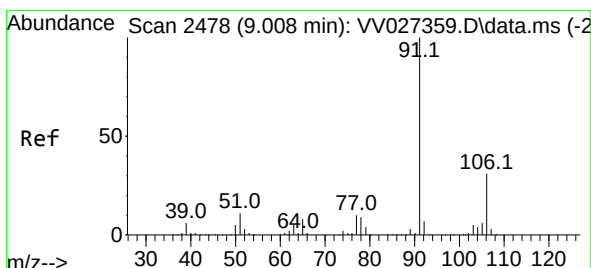
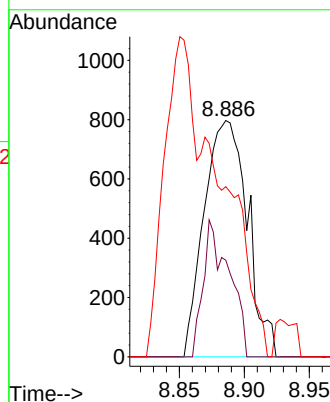
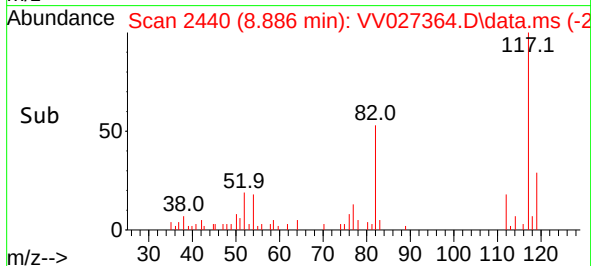


#51
Chlorobenzene
Concen: 0.050 ug/L
RT: 8.886 min Scan# 2437
Delta R.T. 0.010 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

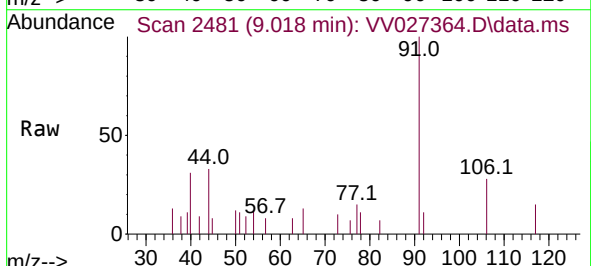
Instrument :
MSVOA_V
ClientSampleId :



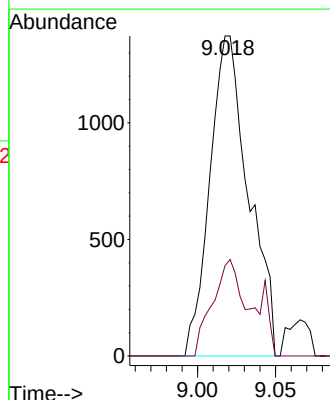
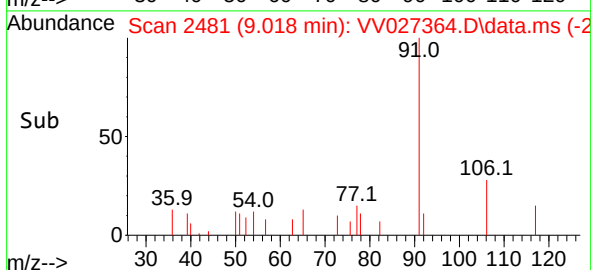
Tgt Ion:112 Resp: 1849
Ion Ratio Lower Upper
112 100
114 40.9 22.5 41.9
77 72.0 46.4 69.6#

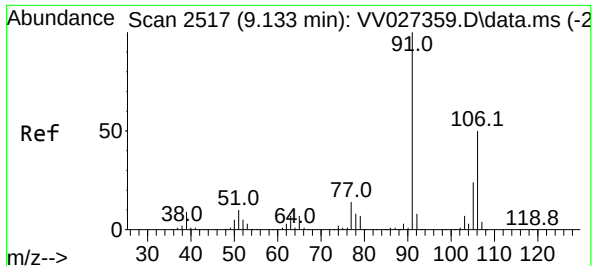


#52
Ethylbenzene
Concen: 0.041 ug/L
RT: 9.018 min Scan# 2481
Delta R.T. 0.010 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53



Tgt Ion: 91 Resp: 2370
Ion Ratio Lower Upper
91 100
106 28.2 21.5 39.9

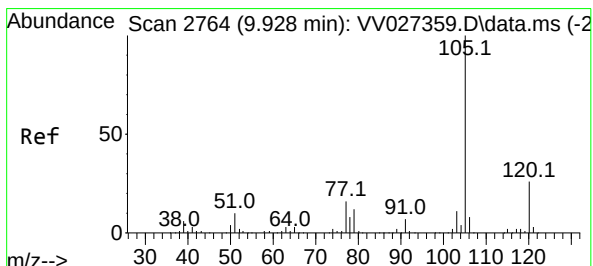
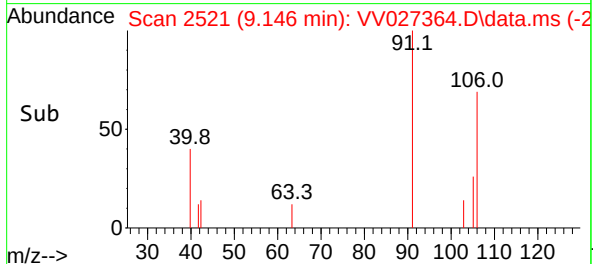
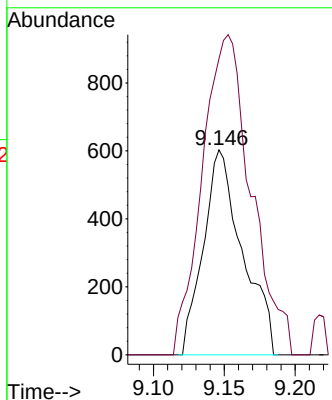
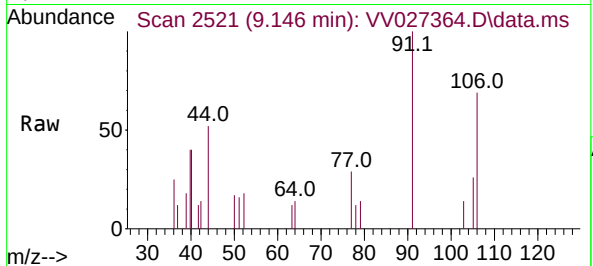




#53
m,p-Xylene
Concen: 0.053 ug/L
RT: 9.146 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

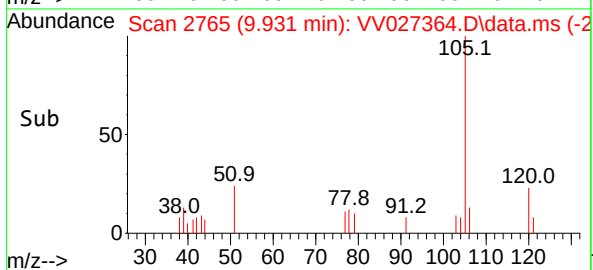
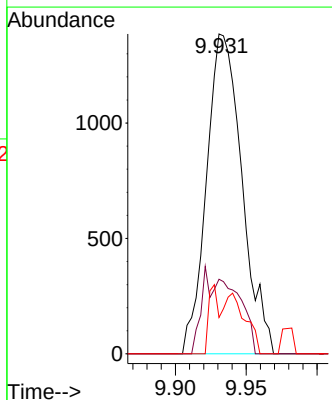
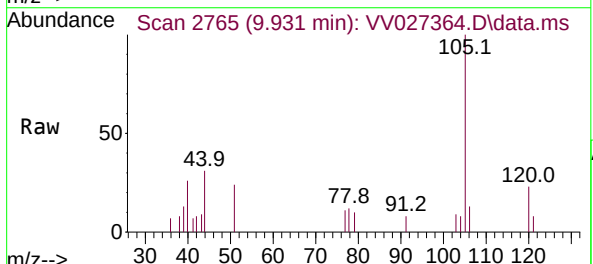
Instrument :
MSVOA_V
ClientSampleId :

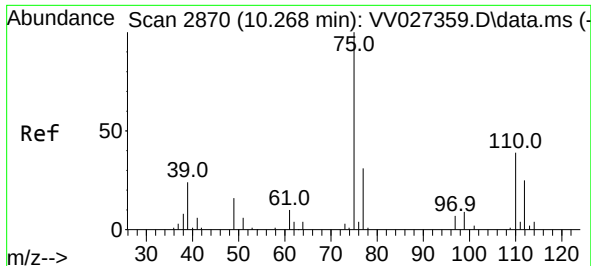
Tgt Ion:106 Resp: 1159
Ion Ratio Lower Upper
106 100
91 144.6 141.5 262.9



#60
Isopropylbenzene
Concen: 0.052 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.003 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

Tgt Ion:105 Resp: 2413
Ion Ratio Lower Upper
105 100
120 16.2 21.0 31.4#
77 5.8 13.2 19.8#

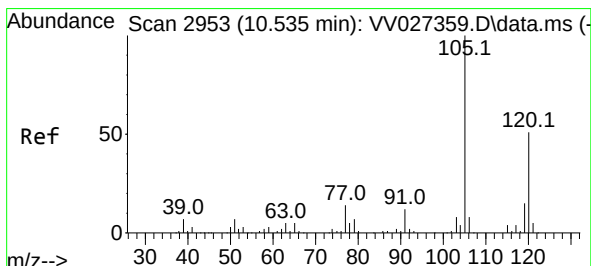
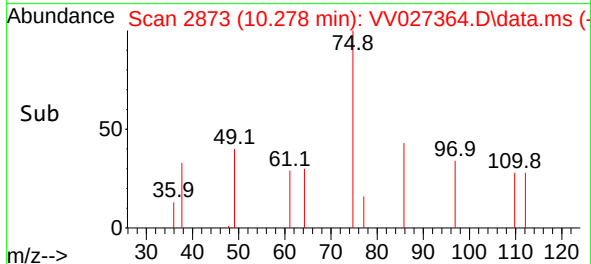
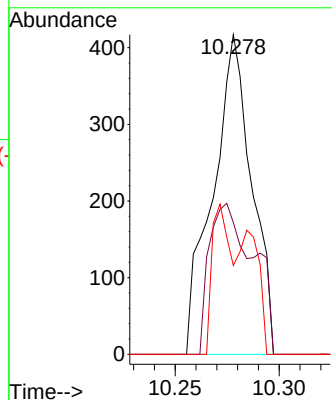
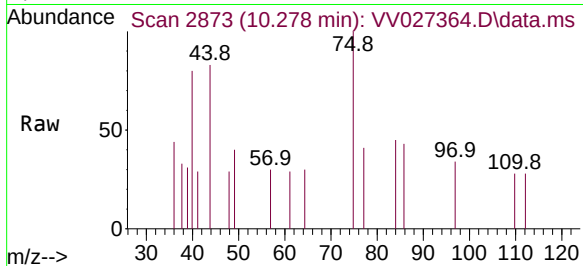




#61
1,2,3-Trichloropropane
Concen: 0.076 ug/L
RT: 10.278 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

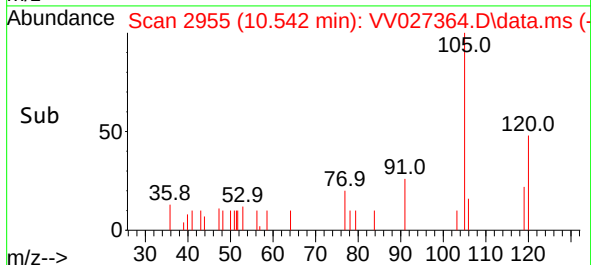
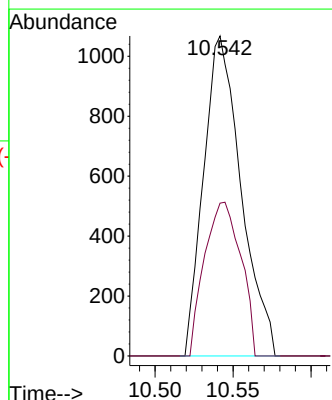
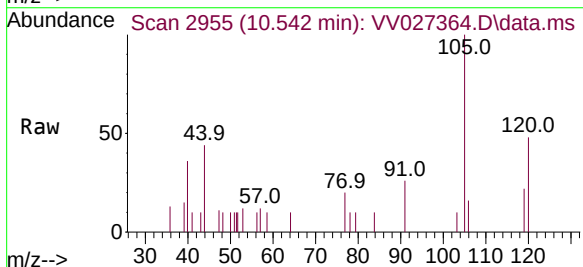
Instrument :
MSVOA_V
ClientSampleId :

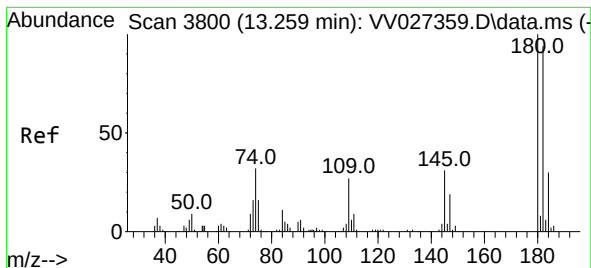
Tgt Ion: 75 Resp: 544
Ion Ratio Lower Upper
75 100
77 53.3 26.6 39.8#
110 22.6 31.0 46.6#



#62
1,3,5-Trimethylbenzene
Concen: 0.139 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.006 min
Lab File: VV027364.D
Acq: 13 Aug 2022 12:53

Tgt Ion: 105 Resp: 1785
Ion Ratio Lower Upper
105 100
120 46.5 38.2 57.4





#70

1,2,4-trichlorobenzene

Concen: 0.061 ug/L

RT: 13.271 min Scan# 3804

Delta R.T. 0.013 min

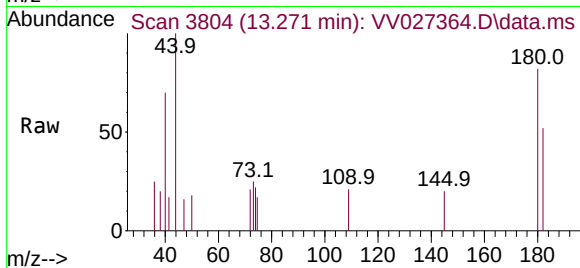
Lab File: VV027364.D

Acq: 13 Aug 2022 12:53

Instrument :

MSVOA_V

ClientSampleId :



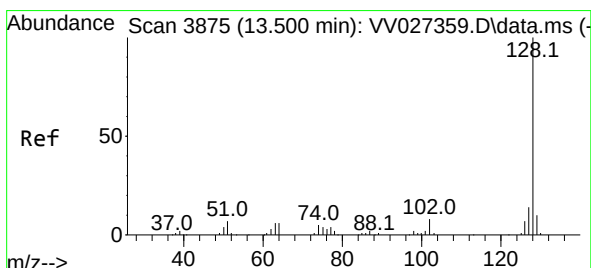
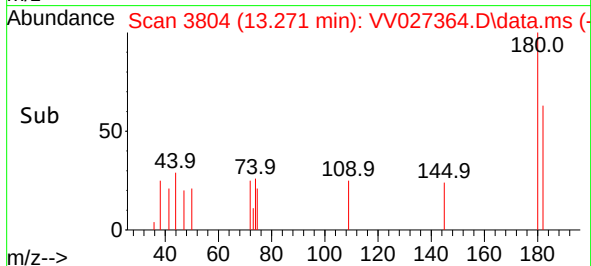
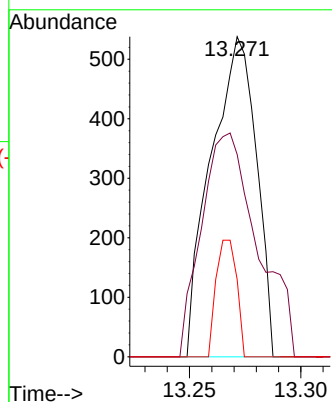
Tgt Ion:180 Resp: 761

Ion Ratio Lower Upper

180 100

182 86.3 77.4 116.0

145 16.6 24.9 37.3#



#71

Naphthalene

Concen: 0.057 ug/L

RT: 13.509 min Scan# 3878

Delta R.T. 0.010 min

Lab File: VV027364.D

Acq: 13 Aug 2022 12:53

Tgt Ion:128 Resp: 1100

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

127 14.0 10.6 15.8

