

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102721\
 Data File : VW023066.D
 Acq On : 27 Oct 2021 18:22
 Operator : SY/MD
 Sample : M4364-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG324

Quant Time: Oct 28 01:47:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 28 01:43:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	133264	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	133202	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	56503	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	46464	3.990	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.800%
7) Chloroethane-d5	1.568	69	31250	4.338	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.108	63	60746	3.616	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.400%
20) 2-Butanone-d5	3.889	46	107625	57.615	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.220%
24) Chloroform-d	4.349	84	94941	5.015	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	5.034	65	44356	4.970	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.053	84	190192	4.891	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
36) 1,2-Dichloropropane-d6	6.072	67	60008	5.013	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.200%
41) Toluene-d8	7.317	98	158328	4.532	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	7.625	79	17980	4.287	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.088	63	70188	45.197	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.400%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	39606	4.791	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	57371	5.691	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	872	0.095	ug/L	95
5) Vinyl chloride	1.311	62	3195	0.339	ug/L #	61
8) Chloroethane	1.311	64	1639	0.332	ug/L #	56
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	1038	0.143	ug/L #	22
12) 1,1-Dichloroethene	2.111	96	885	0.130	ug/L #	1
19) 1,1-Dichloroethane	3.192	63	27106	2.025	ug/L	97
22) cis-1,2-Dichloroethene	3.915	96	46428	5.622	ug/L #	91
29) 1,1,1-Trichloroethane	4.613	97	7554	0.502	ug/L	97
34) Trichloroethene	5.925	95	5009	0.556	ug/L	86
35) Methylcyclohexane	6.072	83	14058	1.090	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	6461	0.715	ug/L #	83
42) Toluene	7.407	91	2654	0.073	ug/L	85
48) 2-Hexanone	8.150	43	5067	1.605	ug/L #	89
61) 1,2,3-Trichloropropane	11.249	75	6287	1.581	ug/L #	66
70) 1,2,4-trichlorobenzene	13.272	180	597	0.070	ug/L #	88
71) Naphthalene	13.516	128	1337	0.103	ug/L #	92
72) 1,2,3-Trichlorobenzene	13.751	180	684	0.086	ug/L	85

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102721\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 28 01:43:46 2021
Response via : Initial Calibration

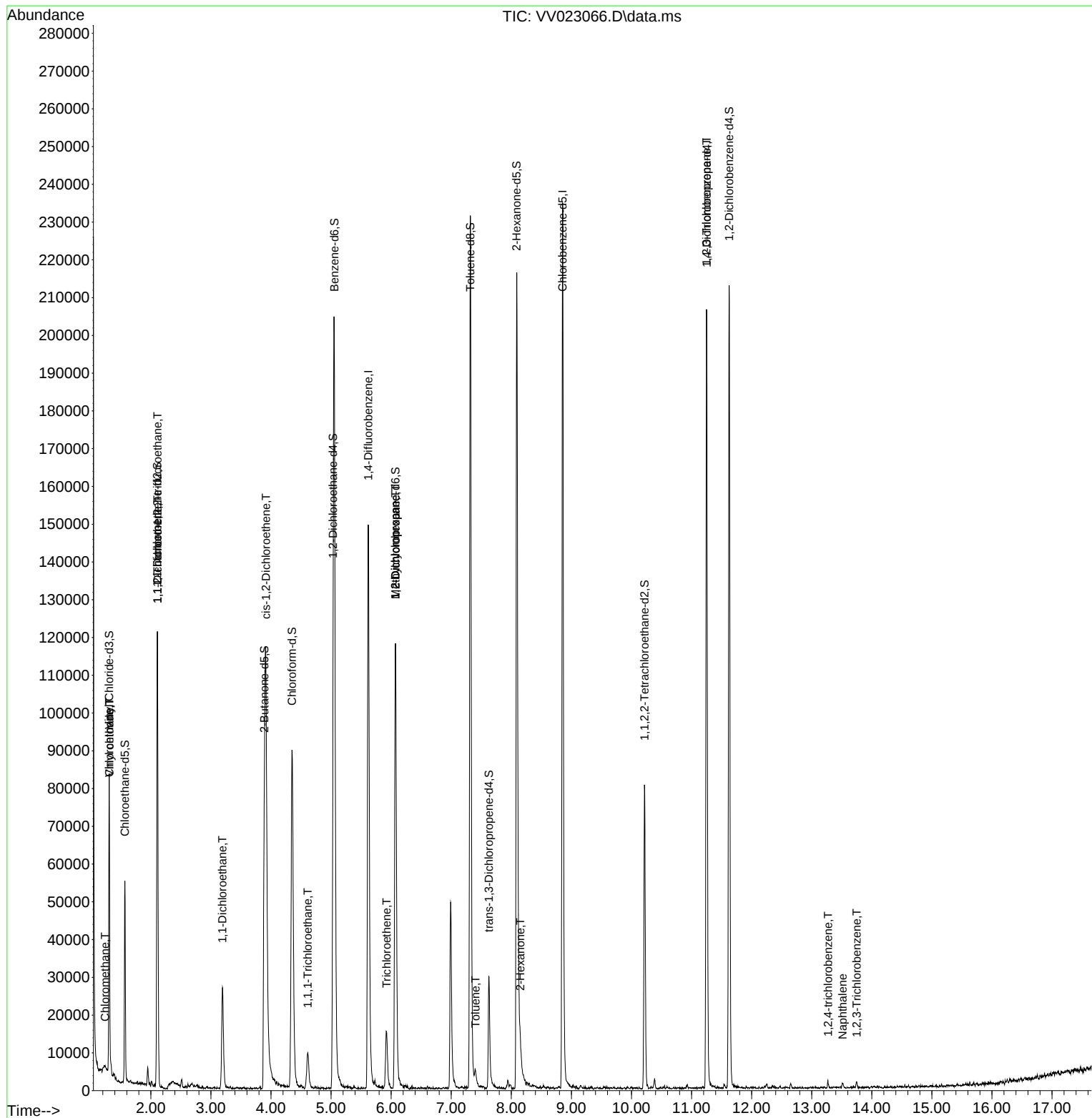
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

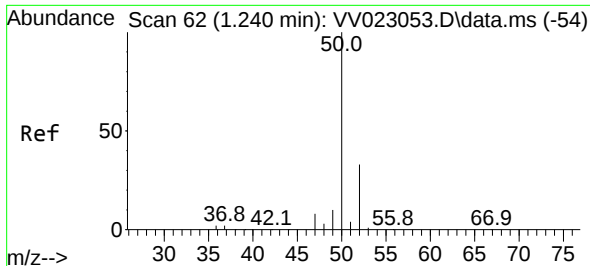
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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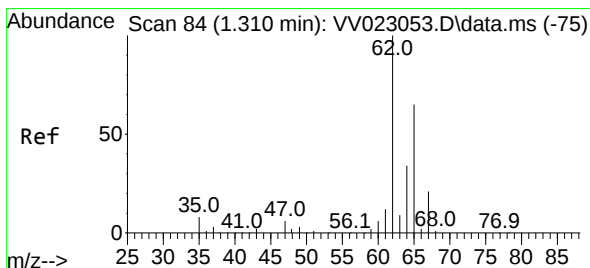
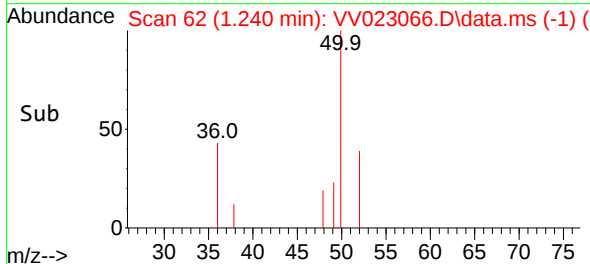
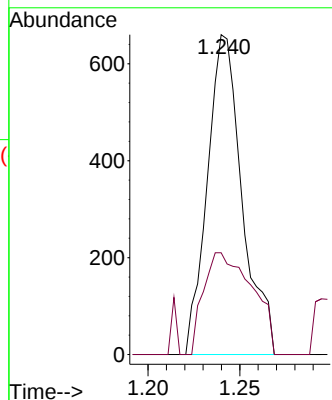
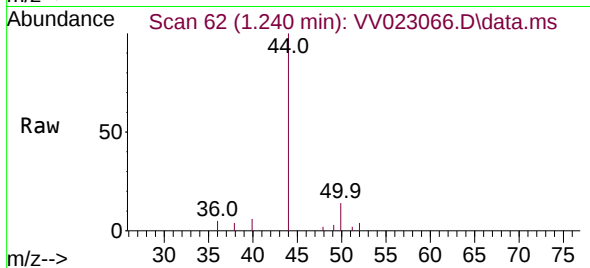




#3
Chloromethane
Concen: 0.095 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023066.D
Acq: 27 Oct 2021 18:22

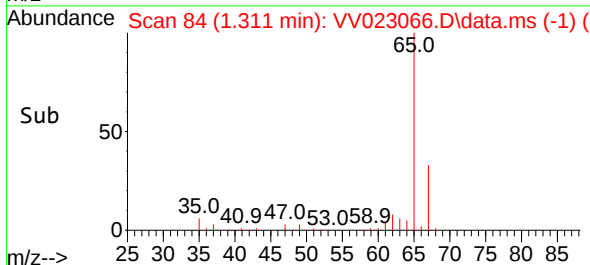
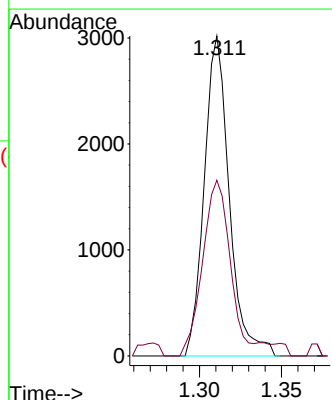
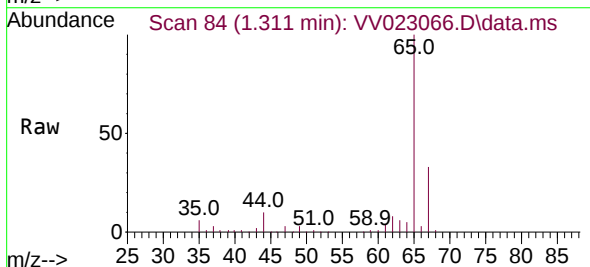
Instrument :
MSVOA_V
ClientSampleId :
BG324

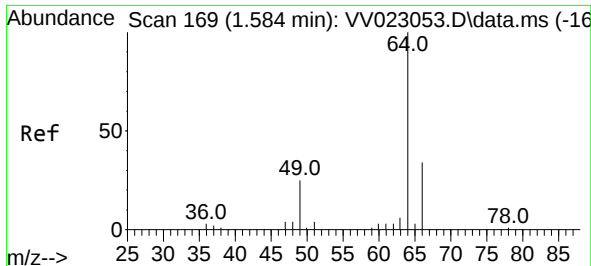
Tgt Ion: 50 Resp: 872
Ion Ratio Lower Upper
50 100
52 31.8 24.3 45.1



#5
Vinyl chloride
Concen: 0.339 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV023066.D
Acq: 27 Oct 2021 18:22

Tgt Ion: 62 Resp: 3195
Ion Ratio Lower Upper
62 100
64 54.9 23.1 42.9#





#8

Chloroethane

Concen: 0.332 ug/L

RT: 1.311 min Scan# 84

Delta R.T. -0.273 min

Lab File: VV023066.D

Acq: 27 Oct 2021 18:22

Instrument :

MSVOA_V

ClientSampleId :

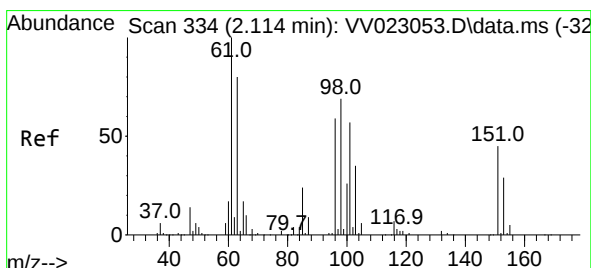
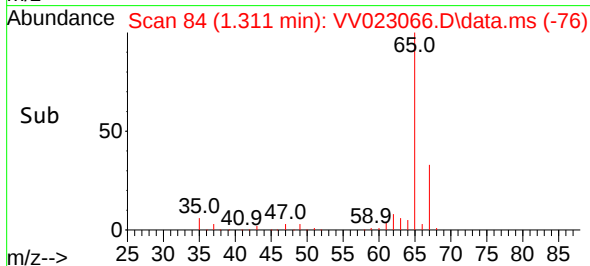
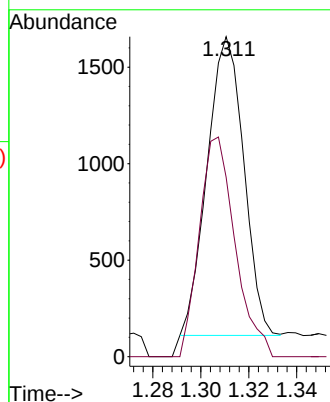
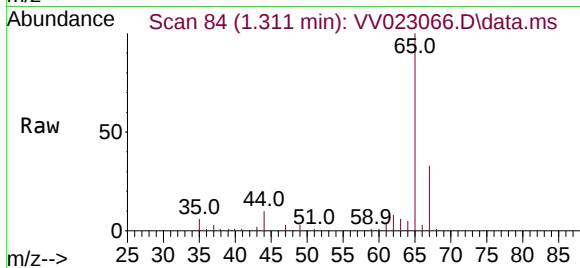
BG324

Tgt Ion: 64 Resp: 1639

Ion Ratio Lower Upper

64 100

66 56.1 22.1 41.1#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.143 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.003 min

Lab File: VV023066.D

Acq: 27 Oct 2021 18:22

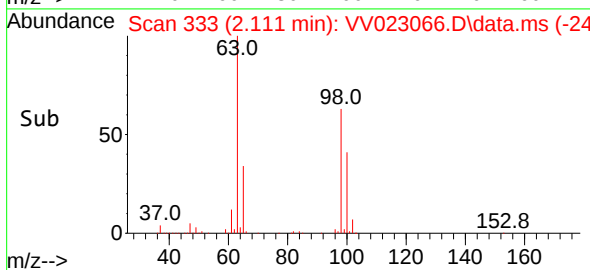
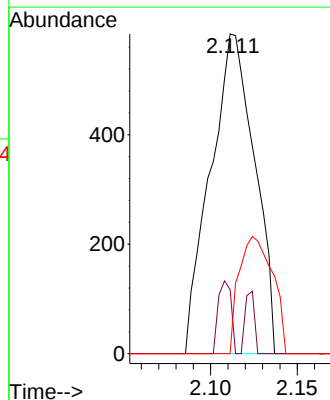
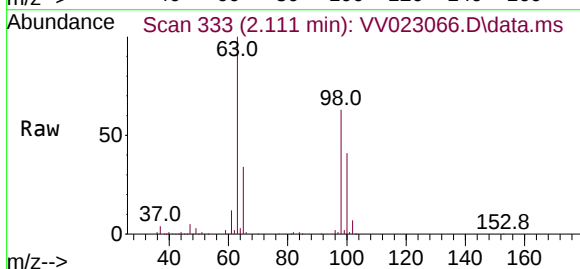
Tgt Ion:101 Resp: 1038

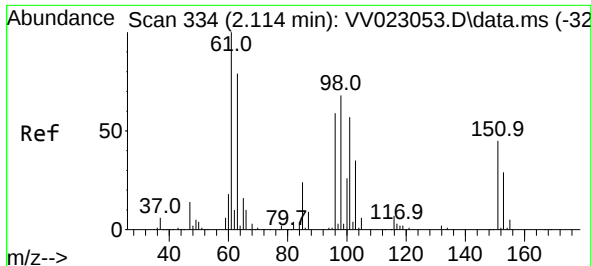
Ion Ratio Lower Upper

101 100

85 6.6 35.3 52.9#

151 0.0 62.2 93.2#





#12

1,1-Dichloroethene

Concen: 0.130 ug/L

RT: 2.111 min Scan# 311

Delta R.T. -0.003 min

Lab File: VV023066.D

Acq: 27 Oct 2021 18:22

Instrument :

MSVOA_V

ClientSampleId :

BG324

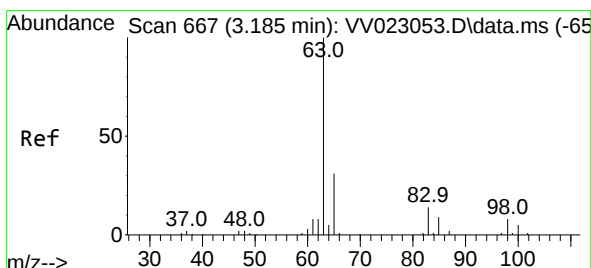
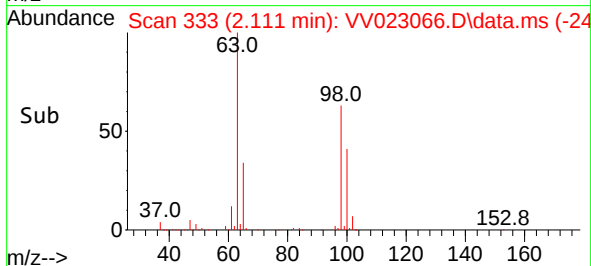
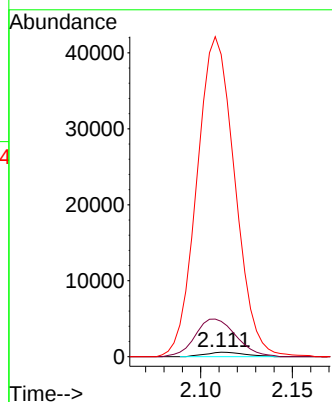
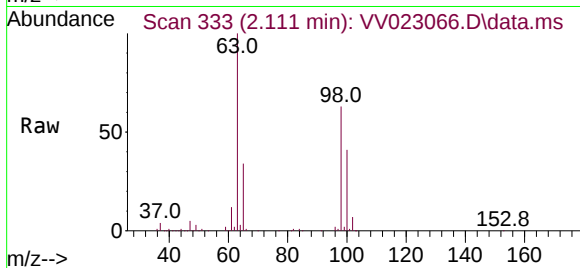
Tgt Ion: 96 Resp: 885

Ion Ratio Lower Upper

96 100

61 776.7 121.5 225.7#

63 6633.3 99.6 185.0#



#19

1,1-Dichloroethane

Concen: 2.025 ug/L

RT: 3.192 min Scan# 669

Delta R.T. 0.007 min

Lab File: VV023066.D

Acq: 27 Oct 2021 18:22

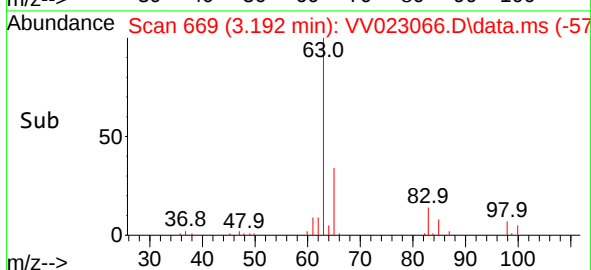
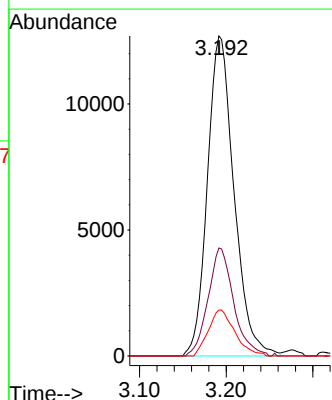
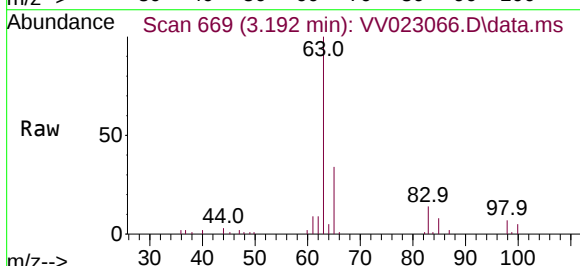
Tgt Ion: 63 Resp: 27106

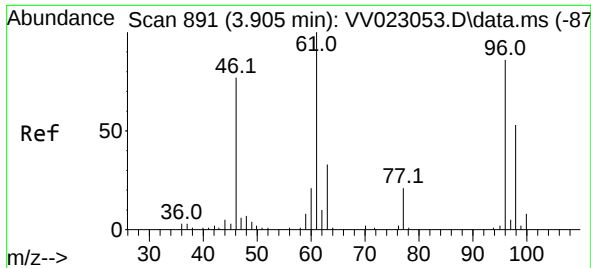
Ion Ratio Lower Upper

63 100

65 33.8 22.6 42.0

83 14.4 11.1 20.7

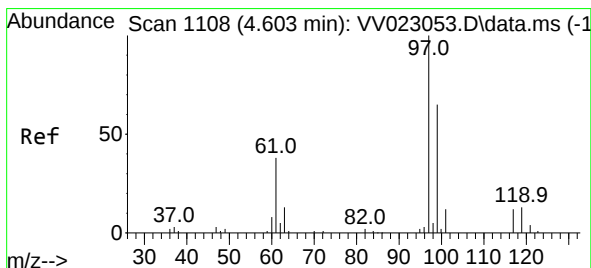
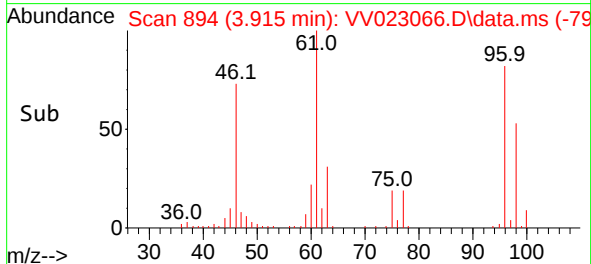
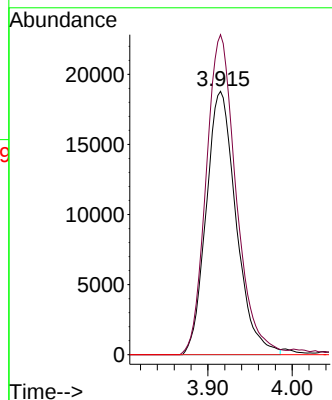
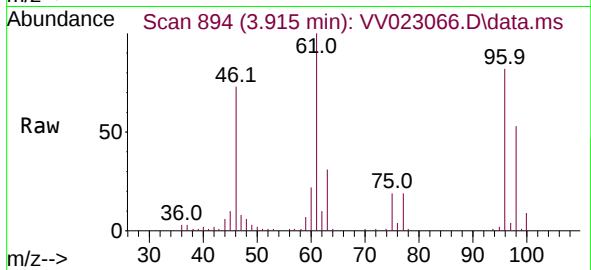




#22
 cis-1,2-Dichloroethene
 Concen: 5.622 ug/L
 RT: 3.915 min Scan# 891
 Delta R.T. 0.010 min
 Lab File: VV023066.D
 Acq: 27 Oct 2021 18:22

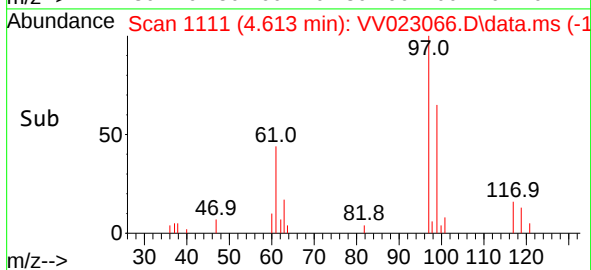
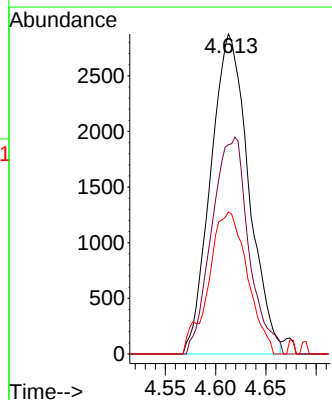
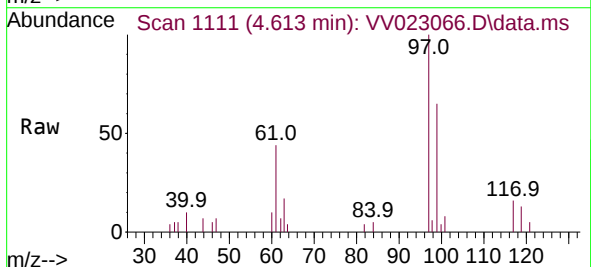
Instrument :
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 BG324

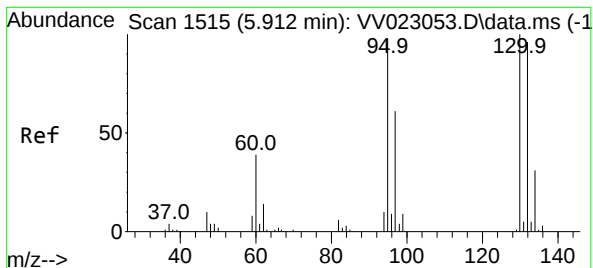
Tgt Ion: 96 Resp: 46428
 Ion Ratio Lower Upper
 96 100
 61 121.5 92.3 171.3
 68 0.0 0.4 0.8#



#29
 1,1,1-Trichloroethane
 Concen: 0.502 ug/L
 RT: 4.613 min Scan# 1111
 Delta R.T. 0.010 min
 Lab File: VV023066.D
 Acq: 27 Oct 2021 18:22

Tgt Ion: 97 Resp: 7554
 Ion Ratio Lower Upper
 97 100
 99 66.1 51.0 76.4
 61 45.1 34.1 51.1





#34

Trichloroethene

Concen: 0.556 ug/L

RT: 5.925 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV023066.D

Acq: 27 Oct 2021 18:22

Instrument :

MSVOA_V

ClientSampleId :

BG324

Tgt Ion: 95 Resp: 5009

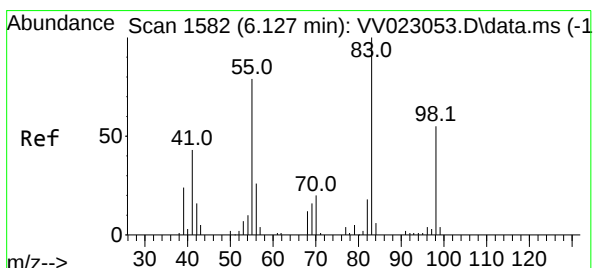
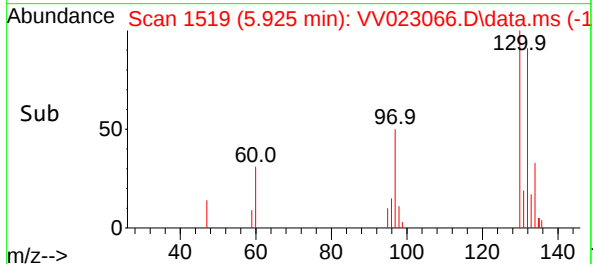
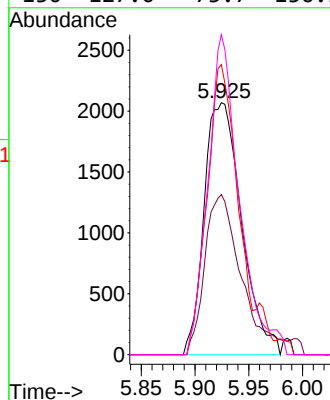
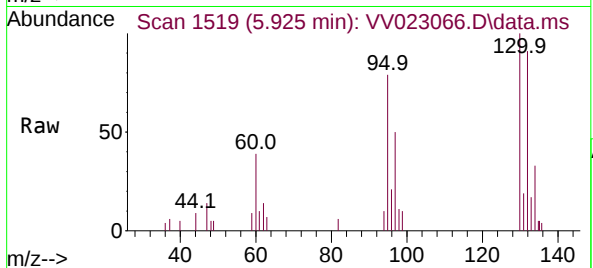
Ion Ratio Lower Upper

95 100

97 63.6 45.0 83.6

132 115.1 69.7 129.4

130 127.0 73.7 136.9



#35

Methylcyclohexane

Concen: 1.090 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.055 min

Lab File: VV023066.D

Acq: 27 Oct 2021 18:22

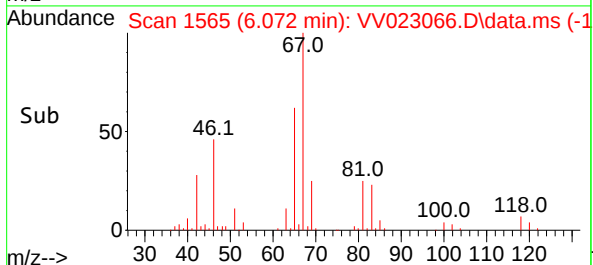
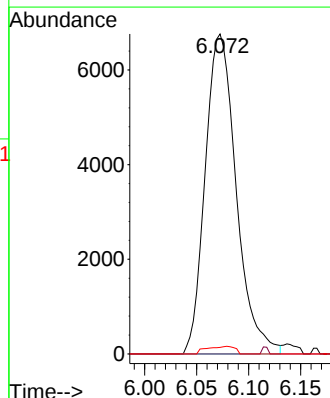
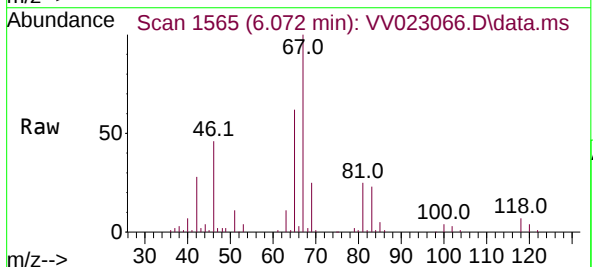
Tgt Ion: 83 Resp: 14058

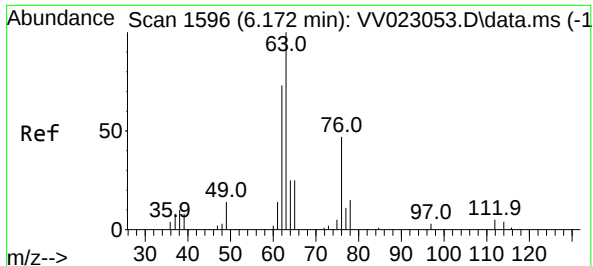
Ion Ratio Lower Upper

83 100

55 0.4 62.8 94.2#

98 2.2 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.715 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.100 min

Lab File: VV023066.D

Acq: 27 Oct 2021 18:22

Instrument :

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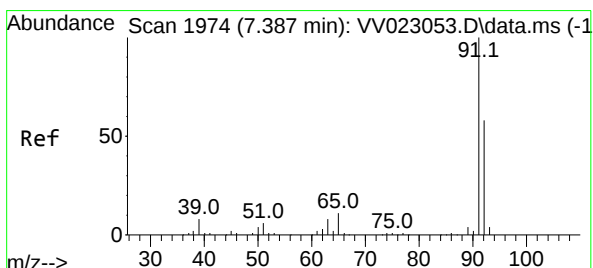
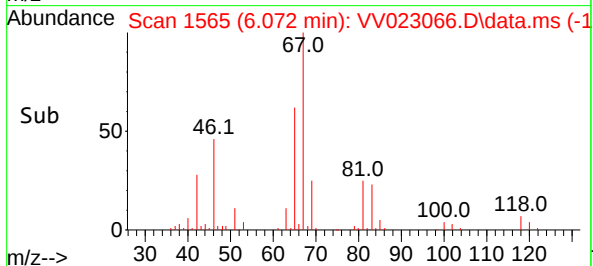
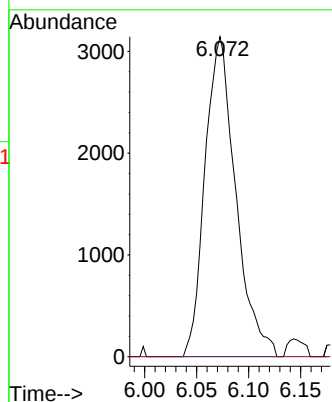
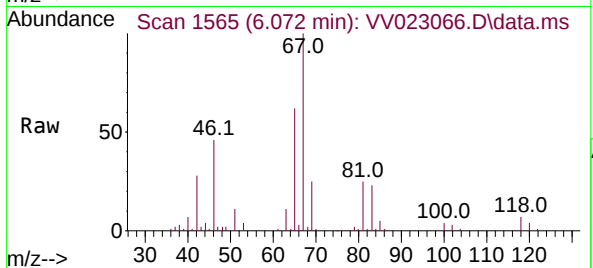
BG324

Tgt Ion: 63 Resp: 6461

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#42

Toluene

Concen: 0.073 ug/L

RT: 7.407 min Scan# 1980

Delta R.T. 0.019 min

Lab File: VV023066.D

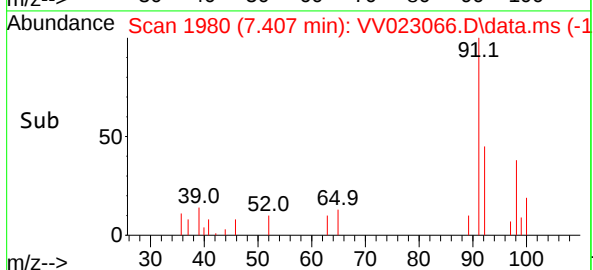
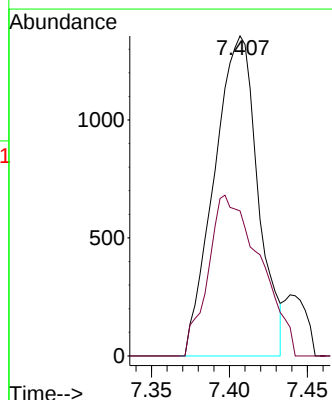
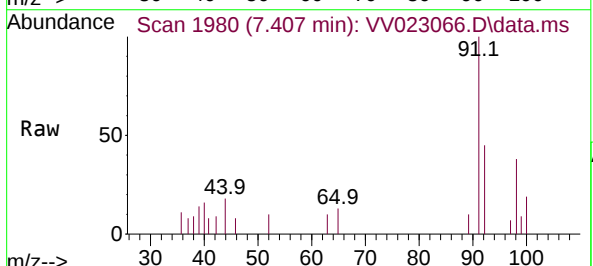
Acq: 27 Oct 2021 18:22

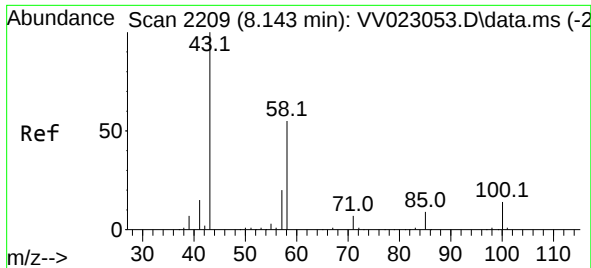
Tgt Ion: 91 Resp: 2654

Ion Ratio Lower Upper

91 100

92 45.4 39.3 72.9

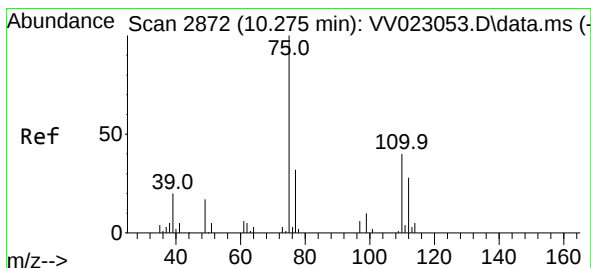
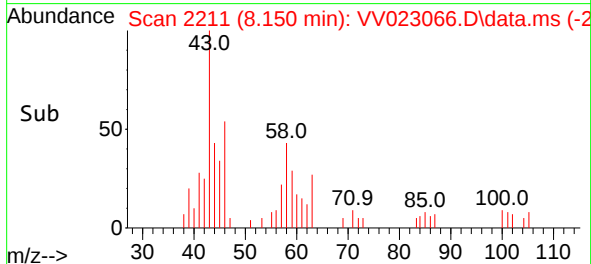
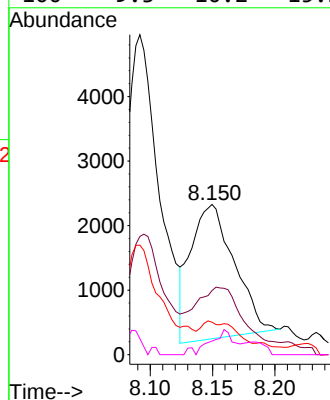
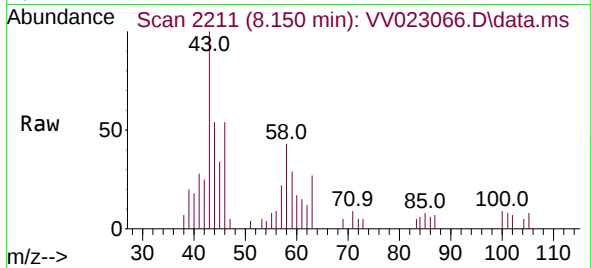




#48
2-Hexanone
Concen: 1.605 ug/L
RT: 8.150 min Scan# 2111
Delta R.T. 0.007 min
Lab File: VV023066.D
Acq: 27 Oct 2021 18:22

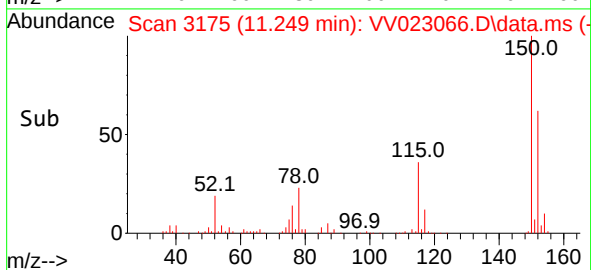
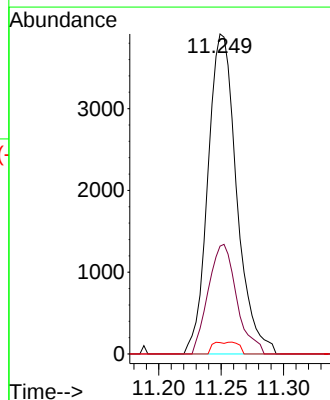
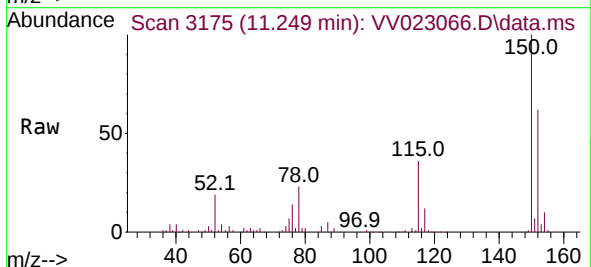
Instrument :
MSVOA_V
ClientSampleId :
BG324

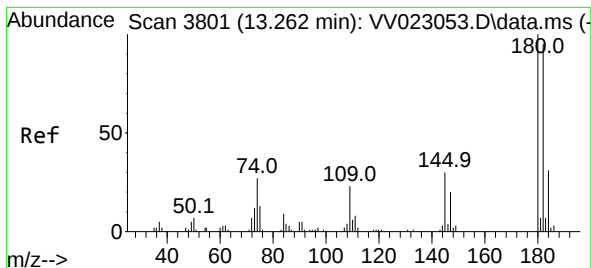
Tgt Ion: 43	Resp:	5067
Ion Ratio	Lower	Upper
43	100	
58	45.5	43.7 65.5
57	13.6	14.1 21.1#
100	9.3	10.2 15.2#



#61
1,2,3-Trichloropropane
Concen: 1.581 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV023066.D
Acq: 27 Oct 2021 18:22

Tgt Ion: 75	Resp:	6287
Ion Ratio	Lower	Upper
75	100	
77	33.8	26.6 39.8
110	1.6	31.8 47.6#





#70

1,2,4-trichlorobenzene

Concen: 0.070 ug/L

RT: 13.272 min Scan# 3804

Delta R.T. 0.010 min

Lab File: VV023066.D

Acq: 27 Oct 2021 18:22

Instrument :

MSVOA_V

ClientSampleId :

BG324

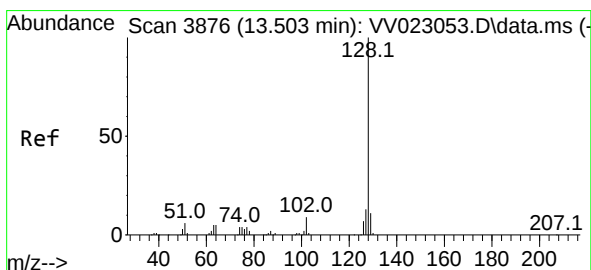
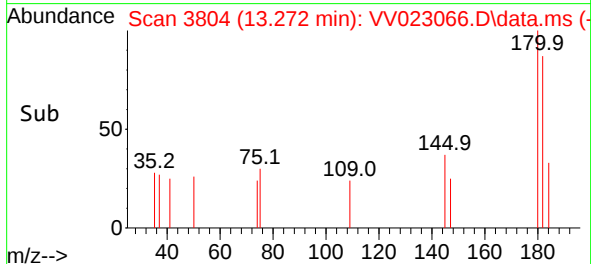
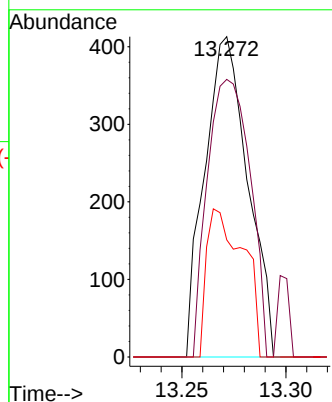
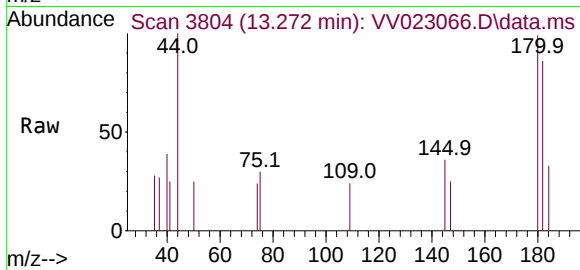
Tgt Ion:180 Resp: 597

Ion Ratio Lower Upper

180 100

182 85.8 76.9 115.3

145 39.2 24.4 36.6#



#71

Naphthalene

Concen: 0.103 ug/L

RT: 13.516 min Scan# 3880

Delta R.T. 0.013 min

Lab File: VV023066.D

Acq: 27 Oct 2021 18:22

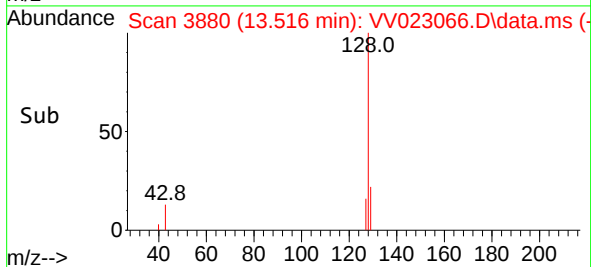
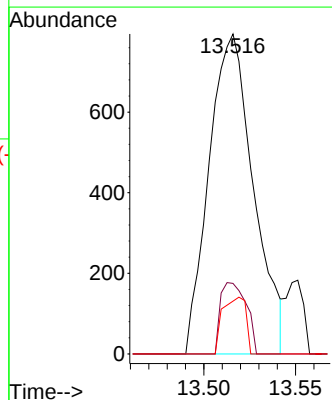
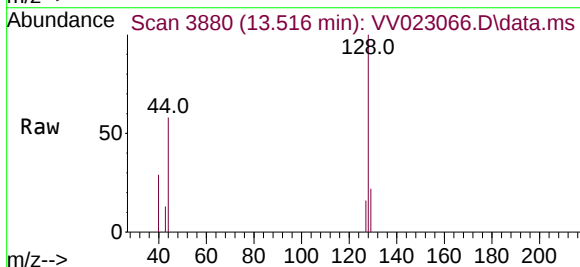
Tgt Ion:128 Resp: 1337

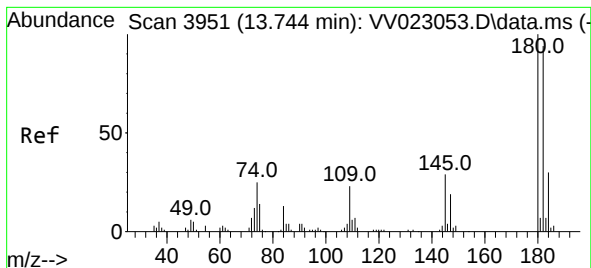
Ion Ratio Lower Upper

128 100

129 12.9 8.6 13.0

127 9.2 10.5 15.7#





#72

1,2,3-Trichlorobenzene

Concen: 0.086 ug/L

RT: 13.751 min Scan# 3953

Delta R.T. 0.007 min

Lab File: VV023066.D

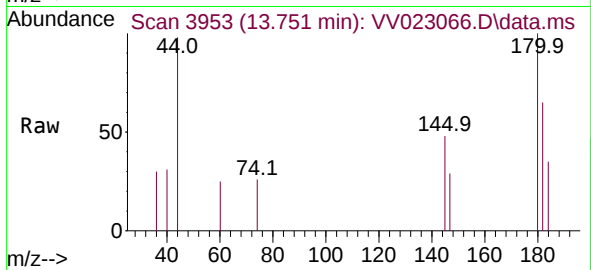
Acq: 27 Oct 2021 18:22

Instrument :

MSVOA_V

ClientSampleId :

BG324



Tgt Ion:180 Resp: 684

Ion Ratio Lower Upper

180 100

182 76.9 76.7 115.1

145 31.6 25.7 38.5

