

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091422\
 Data File : VV027822.D
 Acq On : 14 Sep 2022 12:18
 Operator : SY/MD
 Sample : N4546-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG6H5

Quant Time: Sep 15 02:49:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 15 02:47:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.629	114	148807	5.000	ug/L	0.02
28) Chlorobenzene-d5	8.863	117	117953	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.249	152	54982	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	42159	4.298	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.577	69	40390	4.854	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.000%
11) 1,1-Dichloroethene-d2	2.146	63	89767	4.313	ug/L	0.04
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.200%
20) 2-Butanone-d5	4.008	46	110179	50.684	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.360%
24) Chloroform-d	4.391	84	101994	5.078	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.600%
26) 1,2-Dichloroethane-d4	5.066	65	58260	5.447	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.000%
32) Benzene-d6	5.069	84	204004	5.962	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.200%
36) 1,2-Dichloropropane-d6	6.095	67	55627	5.552	ug/L	0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.000%
41) Toluene-d8	7.339	98	147193	5.115	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
43) trans-1,3-Dichloroprop...	7.648	79	15349	4.567	ug/L	0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.124	63	72660	58.157	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.320%
56) 1,1,2,2-Tetrachloroeth...	10.223	84	34249	5.323	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	51985	5.756	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.200%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.159	96	30187	3.061	ug/L	93
17) Methyl tert-butyl Ether	2.818	73	2088	0.089	ug/L #	58
18) trans-1,2-Dichloroethene	2.786	96	679	0.065	ug/L	85
19) 1,1-Dichloroethane	3.220	63	2746	0.140	ug/L	95
22) cis-1,2-Dichloroethene	3.953	96	33643	2.964	ug/L #	91
25) Chloroform	4.416	83	13592	0.627	ug/L	88
29) 1,1,1-Trichloroethane	4.645	97	6971	0.384	ug/L	96
31) Carbon tetrachloride	4.847	117	63172	4.098	ug/L	98
33) Benzene	5.069	78	2274	0.058	ug/L	100
34) Trichloroethene	5.924	95	125973	12.920	ug/L	96
35) Methylcyclohexane	6.098	83	14926	0.997	ug/L #	18
37) 1,2-Dichloropropane	6.095	63	6885	0.745	ug/L #	85
39) cis-1,3-Dichloropropene	7.018	75	1275	0.109	ug/L #	28
45) 1,1,2-Trichloroethane	7.998	97	58284	9.730	ug/L #	20
47) Tetrachloroethene	7.998	164	6520293	833.291	ug/L	97
49) Dibromochloromethane	7.998	129	6155933	809.543	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	5427	1.246	ug/L #	61

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 15 02:47:38 2022
Response via : Initial Calibration

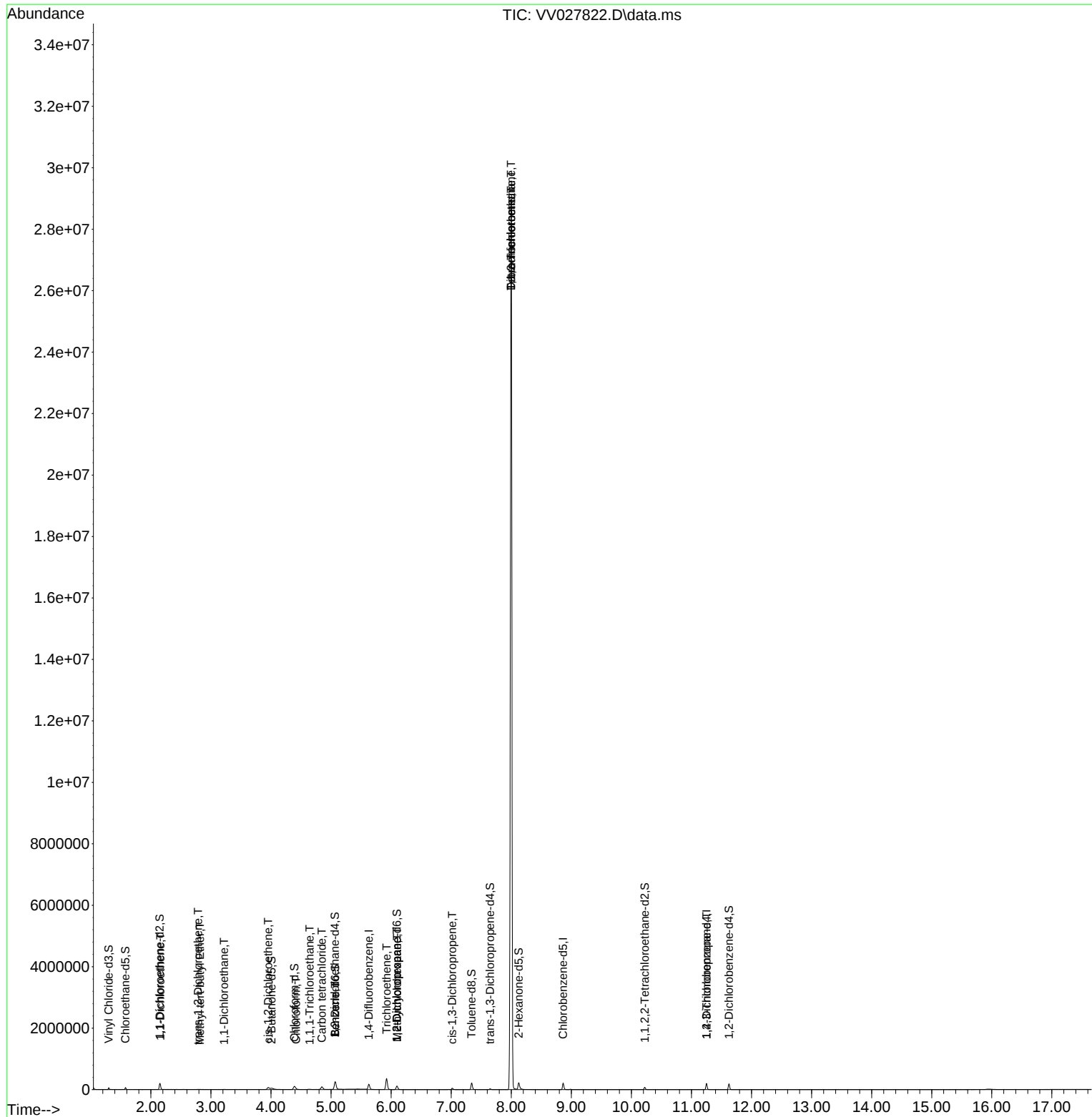
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

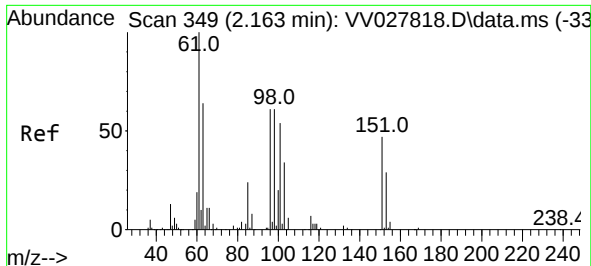
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#12

1,1-Dichloroethene

Concen: 3.061 ug/L

RT: 2.159 min Scan# 34

Delta R.T. 0.045 min

Lab File: VV027822.D

Acq: 14 Sep 2022 12:18

Instrument :

MSVOA_V

ClientSampleId :

BG6H5

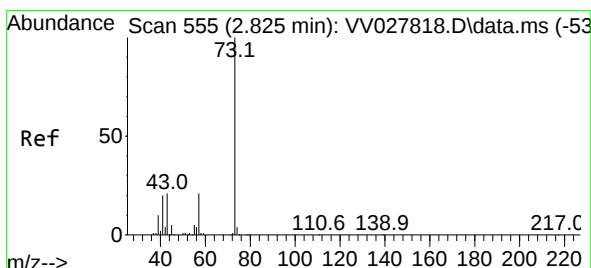
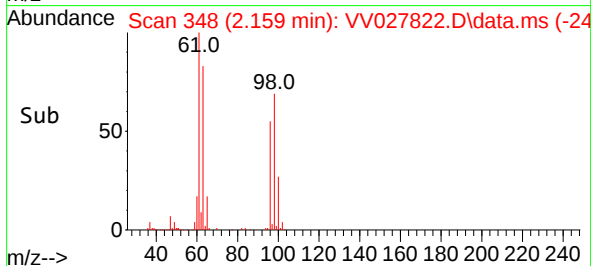
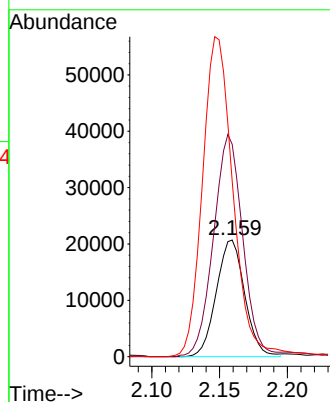
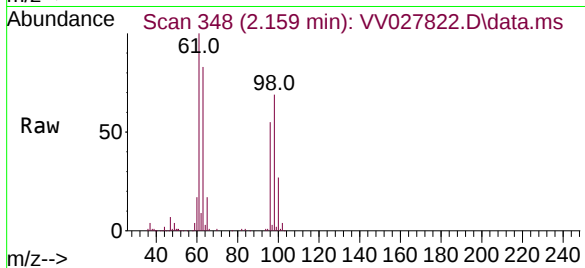
Tgt Ion: 96 Resp: 30187

Ion Ratio Lower Upper

96 100

61 182.0 129.9 241.3

63 150.5 94.6 175.8



#17

Methyl tert-butyl Ether

Concen: 0.089 ug/L

RT: 2.818 min Scan# 553

Delta R.T. 0.051 min

Lab File: VV027822.D

Acq: 14 Sep 2022 12:18

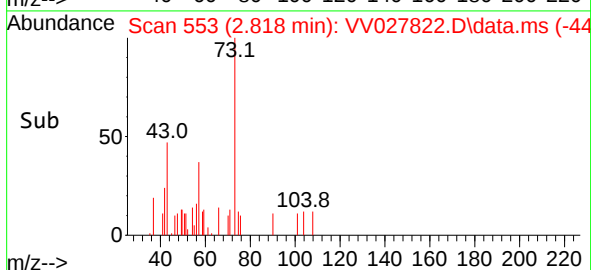
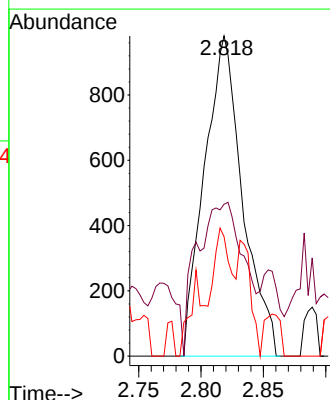
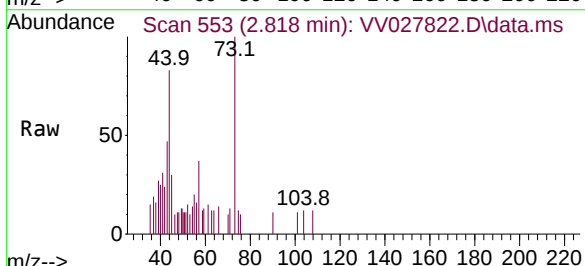
Tgt Ion: 73 Resp: 2088

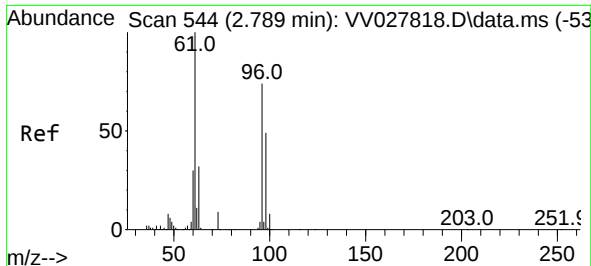
Ion Ratio Lower Upper

73 100

43 58.9 17.5 26.3#

57 19.2 16.9 25.3

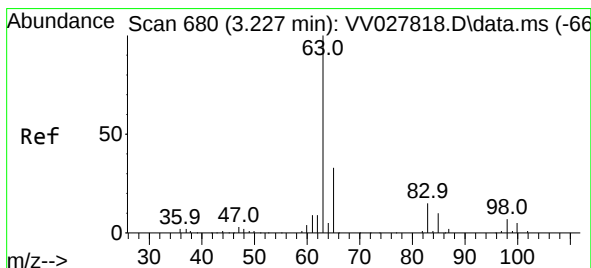
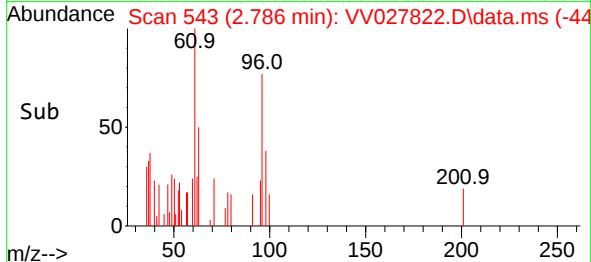
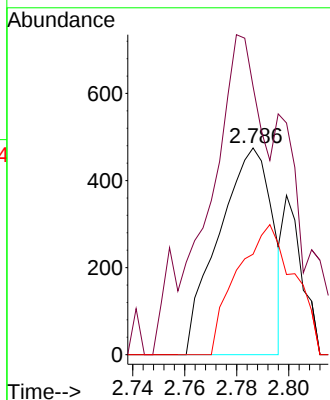
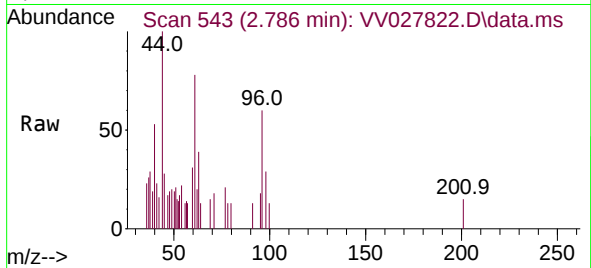




#18
trans-1,2-Dichloroethene
Concen: 0.065 ug/L
RT: 2.786 min Scan# 544
Delta R.T. 0.032 min
Lab File: VV027822.D
Acq: 14 Sep 2022 12:18

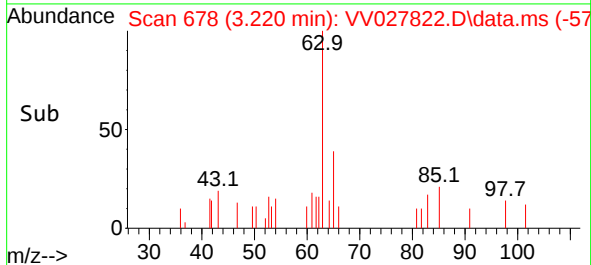
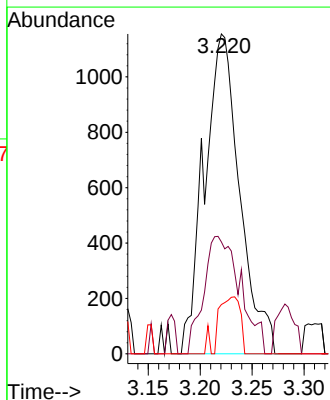
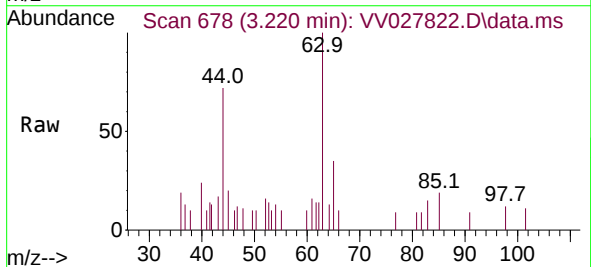
Instrument :
MSVOA_V
ClientSampleId :
BG6H5

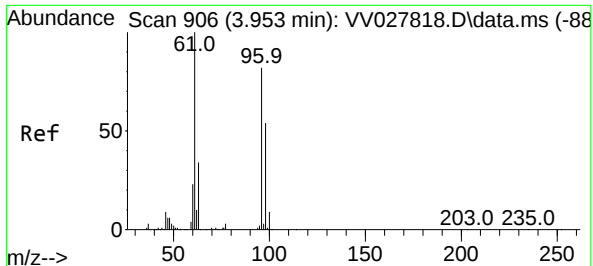
Tgt Ion: 96 Resp: 679
Ion Ratio Lower Upper
96 100
61 129.7 102.6 190.5
98 48.6 44.0 81.8



#19
1,1-Dichloroethane
Concen: 0.140 ug/L
RT: 3.220 min Scan# 678
Delta R.T. 0.035 min
Lab File: VV027822.D
Acq: 14 Sep 2022 12:18

Tgt Ion: 63 Resp: 2746
Ion Ratio Lower Upper
63 100
65 35.0 22.0 41.0
83 15.4 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 2.964 ug/L

RT: 3.953 min Scan# 906

Delta R.T. 0.048 min

Lab File: VV027822.D

Acq: 14 Sep 2022 12:18

Instrument :

MSVOA_V

ClientSampleId :

BG6H5

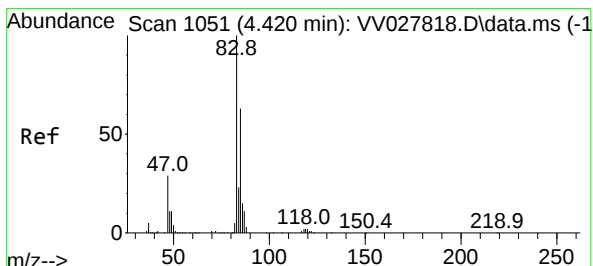
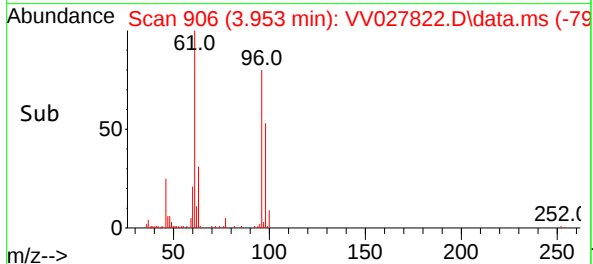
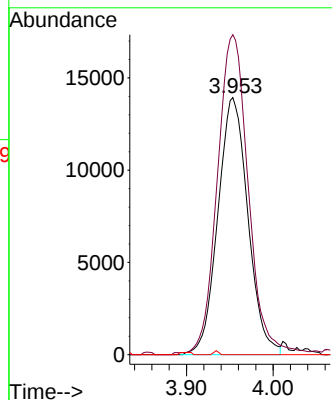
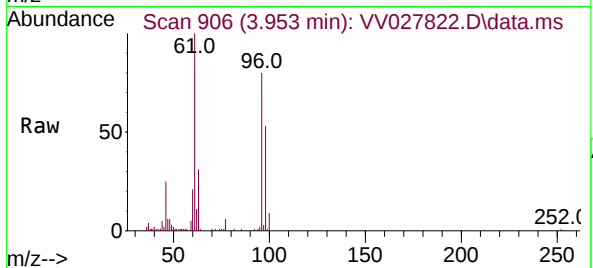
Tgt Ion: 96 Resp: 33643

Ion Ratio Lower Upper

96 100

61 124.5 94.6 175.6

68 0.0 0.3 0.5#



#25

Chloroform

Concen: 0.627 ug/L

RT: 4.416 min Scan# 1050

Delta R.T. 0.048 min

Lab File: VV027822.D

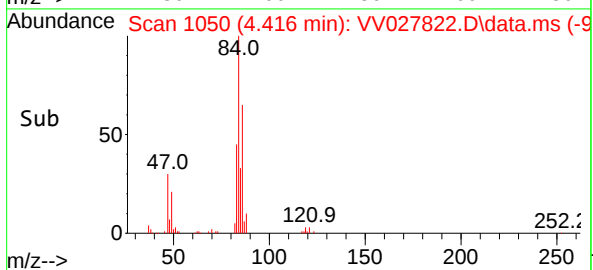
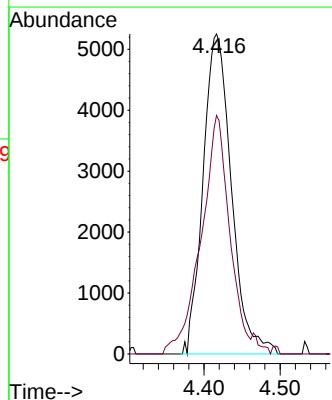
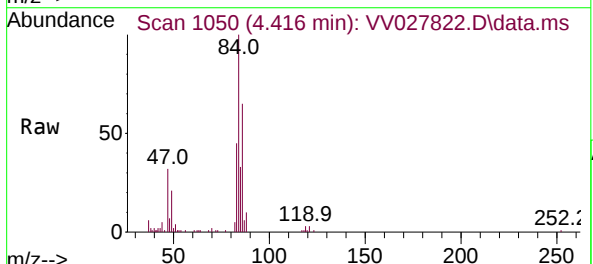
Acq: 14 Sep 2022 12:18

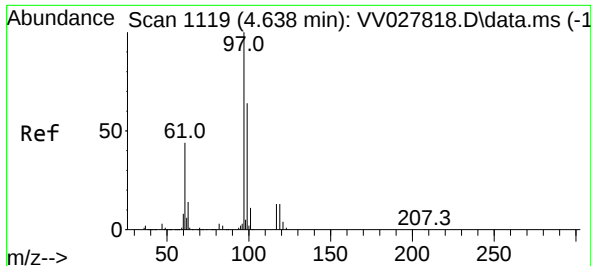
Tgt Ion: 83 Resp: 13592

Ion Ratio Lower Upper

83 100

85 74.6 45.4 84.2





#29

1,1,1-Trichloroethane

Concen: 0.384 ug/L

RT: 4.645 min Scan# 1119

Delta R.T. 0.042 min

Lab File: VV027822.D

Acq: 14 Sep 2022 12:18

Instrument :

MSVOA_V

ClientSampleId :

BG6H5

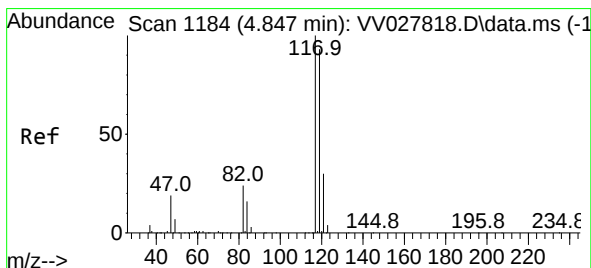
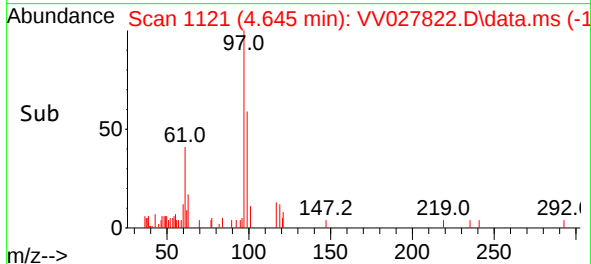
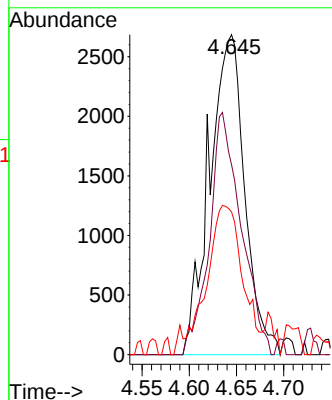
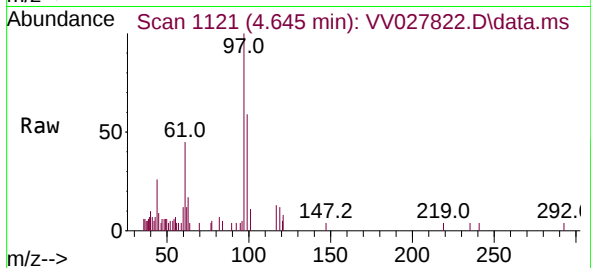
Tgt Ion: 97 Resp: 6971

Ion Ratio Lower Upper

97 100

99 68.0 50.8 76.2

61 46.7 36.2 54.4



#31

Carbon tetrachloride

Concen: 4.098 ug/L

RT: 4.847 min Scan# 1184

Delta R.T. 0.026 min

Lab File: VV027822.D

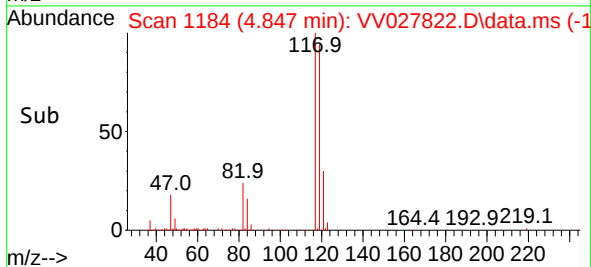
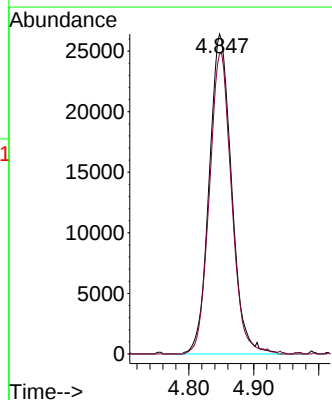
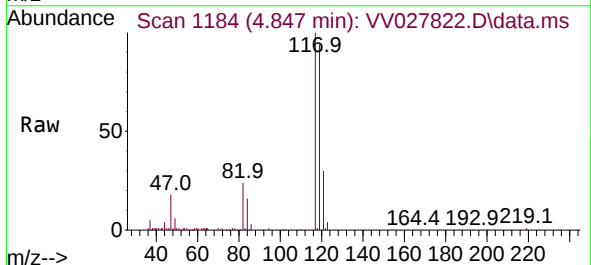
Acq: 14 Sep 2022 12:18

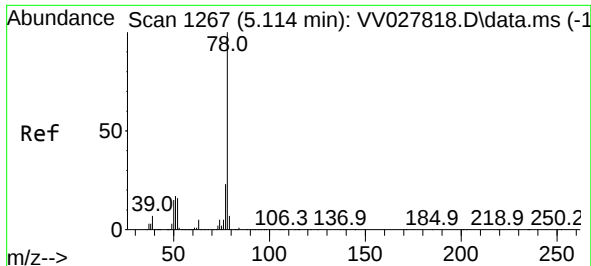
Tgt Ion: 117 Resp: 63172

Ion Ratio Lower Upper

117 100

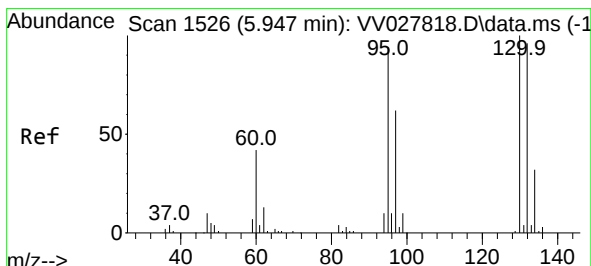
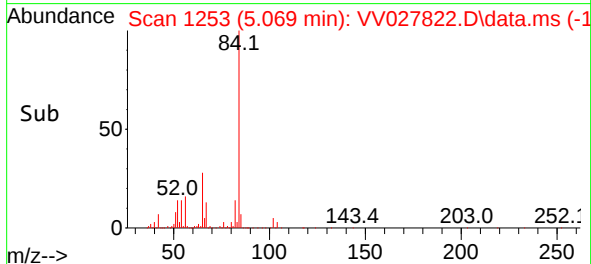
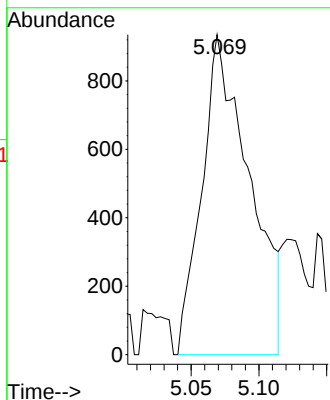
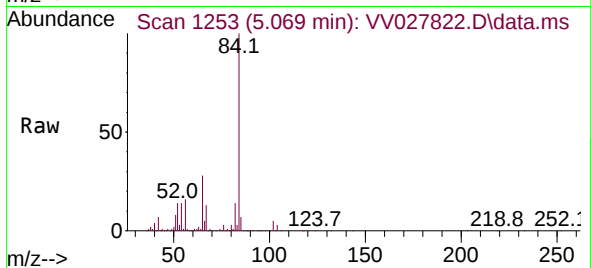
119 93.3 75.8 113.8





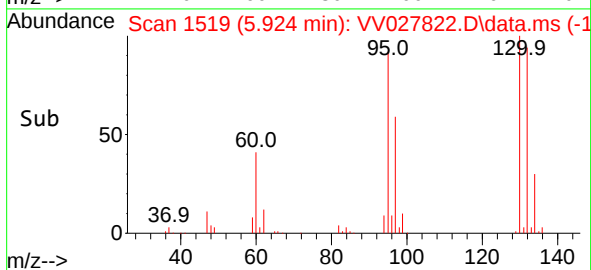
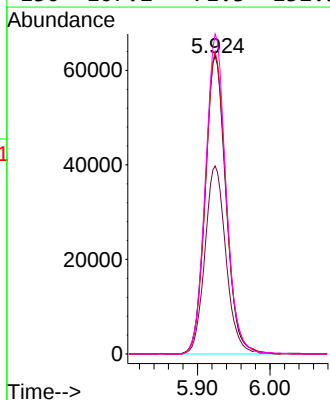
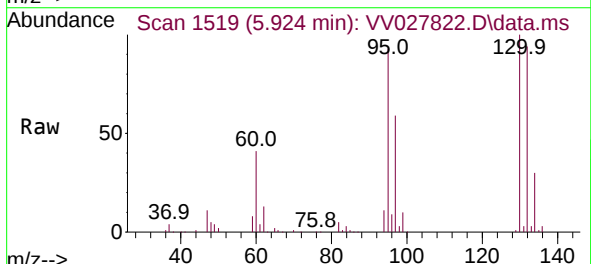
#33
Benzene
Concen: 0.058 ug/L
RT: 5.069 min Scan# 11
Delta R.T. -0.023 min
Lab File: VV027822.D
Acq: 14 Sep 2022 12:18
Tgt Ion: 78 Resp: 2274

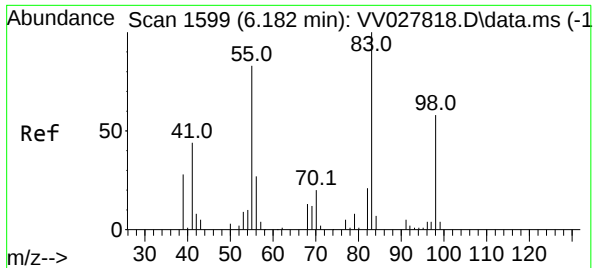
Instrument :
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#34
Trichloroethene
Concen: 12.920 ug/L
RT: 5.924 min Scan# 1519
Delta R.T. 0.016 min
Lab File: VV027822.D
Acq: 14 Sep 2022 12:18

Tgt Ion: 95 Resp: 125973
Ion Ratio Lower Upper
95 100
97 63.0 42.9 79.7
132 101.3 67.9 126.1
130 107.2 71.3 132.3

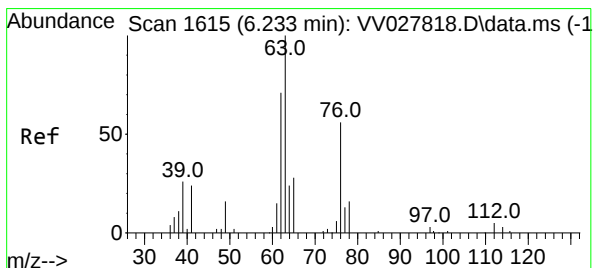
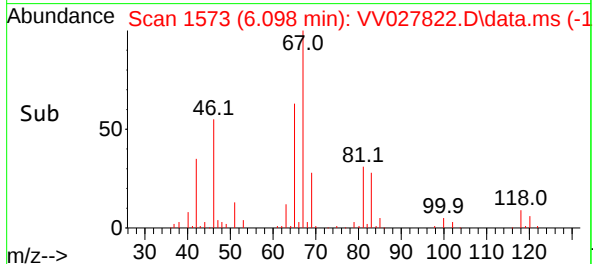
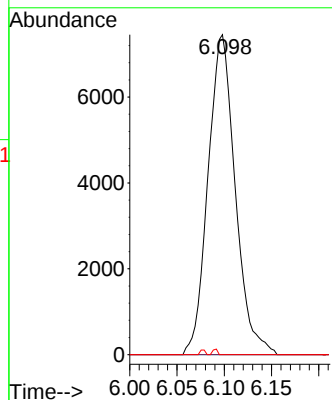
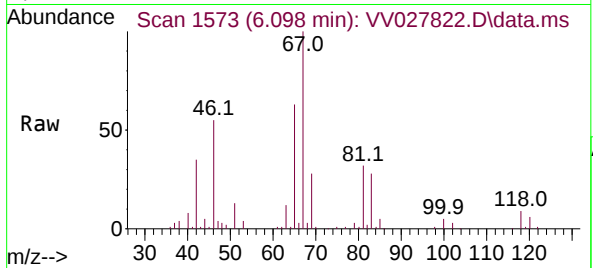




#35
Methylcyclohexane
Concen: 0.997 ug/L
RT: 6.098 min Scan# 11
Delta R.T. -0.026 min
Lab File: VV027822.D
Acq: 14 Sep 2022 12:18

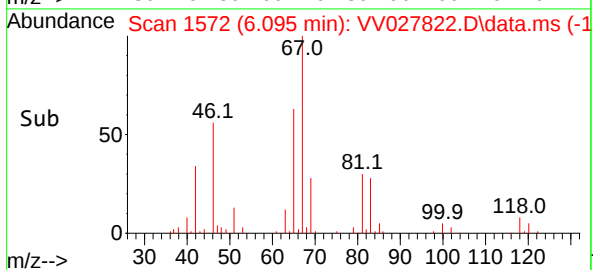
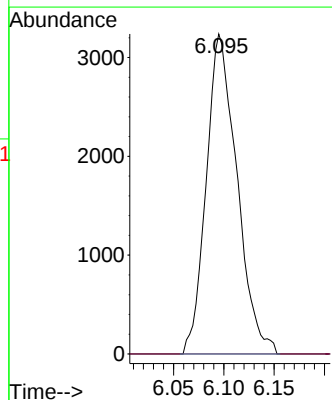
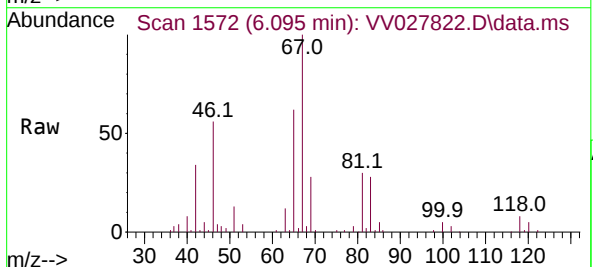
Instrument :
MSVOA_V
ClientSampleId :
BG6H5

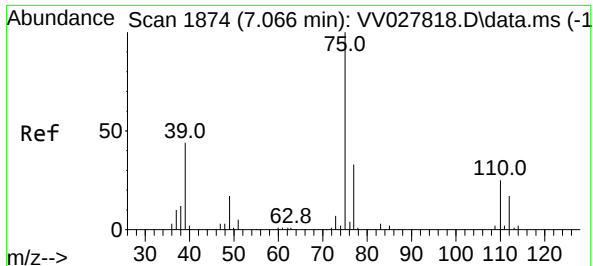
Tgt Ion: 83 Resp: 14926
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 37.5 56.3#



#37
1,2-Dichloropropane
Concen: 0.745 ug/L
RT: 6.095 min Scan# 1572
Delta R.T. -0.071 min
Lab File: VV027822.D
Acq: 14 Sep 2022 12:18

Tgt Ion: 63 Resp: 6885
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#





#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 7.018 min Scan# 11

Delta R.T. -0.006 min

Lab File: VV027822.D

Acq: 14 Sep 2022 12:18

Instrument :

MSVOA_V

ClientSampleId :

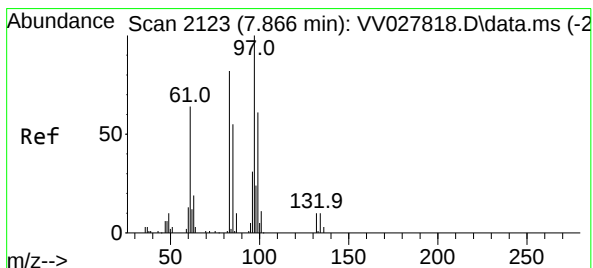
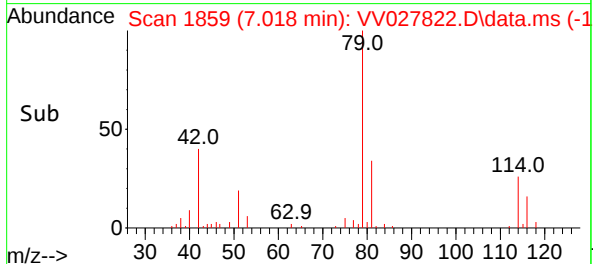
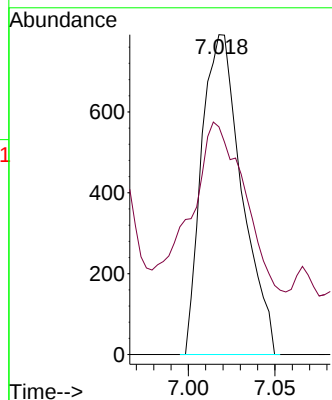
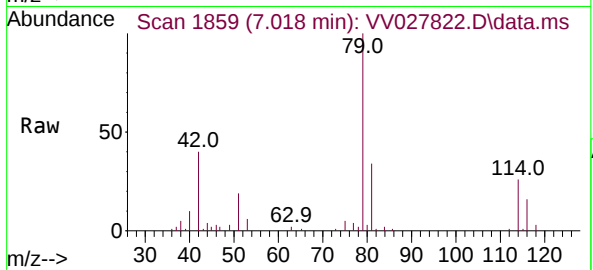
BG6H5

Tgt Ion: 75 Resp: 1275

Ion Ratio Lower Upper

75 100

77 71.2 22.0 40.8#



#45

1,1,2-Trichloroethane

Concen: 9.730 ug/L

RT: 7.998 min Scan# 2164

Delta R.T. 0.164 min

Lab File: VV027822.D

Acq: 14 Sep 2022 12:18

Tgt Ion: 97 Resp: 58284

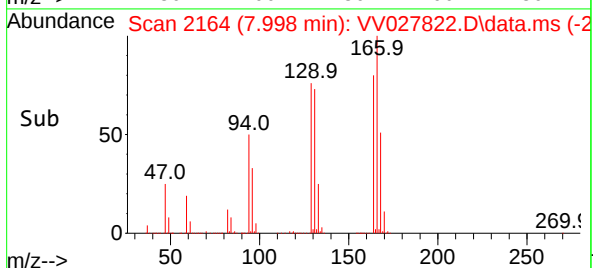
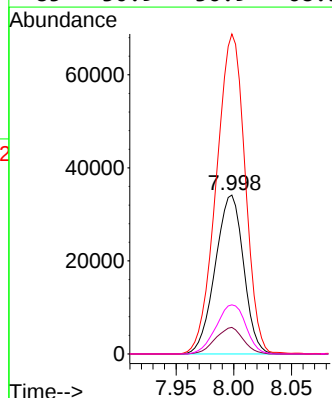
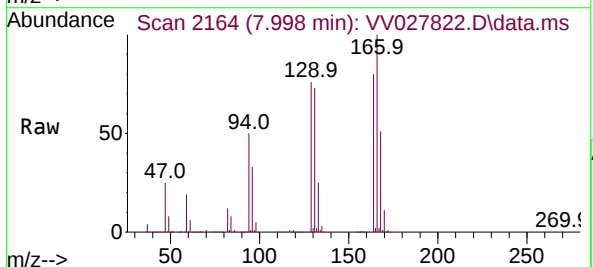
Ion Ratio Lower Upper

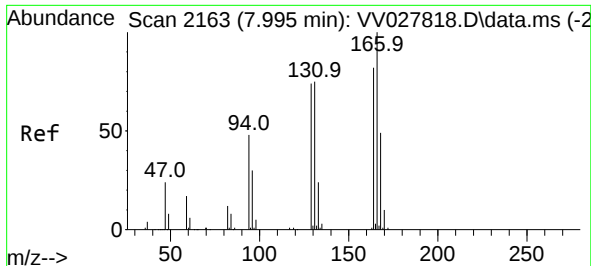
97 100

99 16.8 44.2 82.0#

83 201.4 60.3 112.1#

85 30.9 36.9 68.5#





#47

Tetrachloroethene

Concen: 833.291 ug/L

RT: 7.998 min Scan# 2164

Delta R.T. 0.026 min

Lab File: VV027822.D

Acq: 14 Sep 2022 12:18

Instrument :

MSVOA_V

ClientSampleId :

BG6H5

Tgt Ion:164 Resp: 6520293

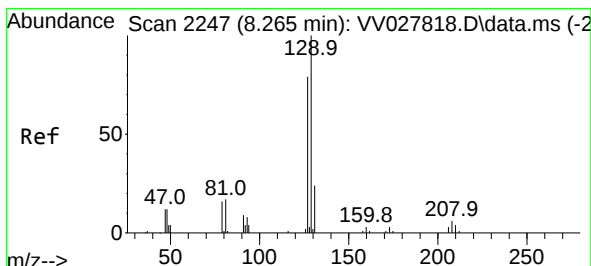
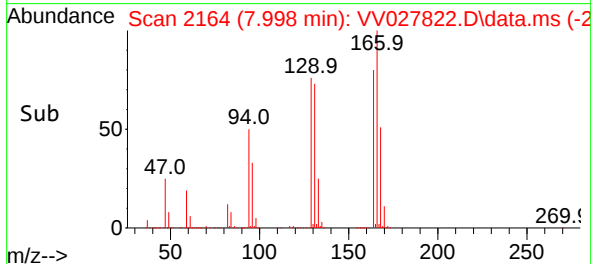
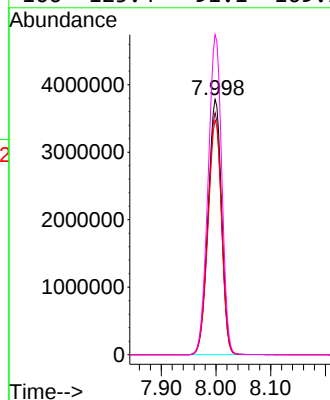
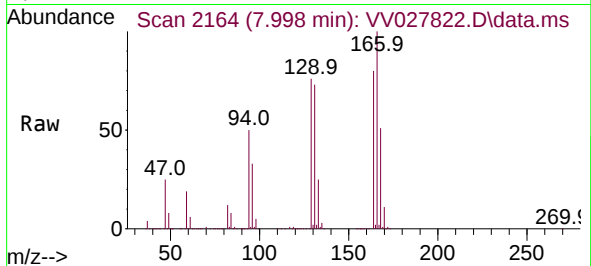
Ion Ratio Lower Upper

164 100

129 94.8 67.2 124.8

131 91.9 61.5 114.3

166 125.4 91.1 169.3



#49

Dibromochloromethane

Concen: 809.543 ug/L

RT: 7.998 min Scan# 2164

Delta R.T. -0.244 min

Lab File: VV027822.D

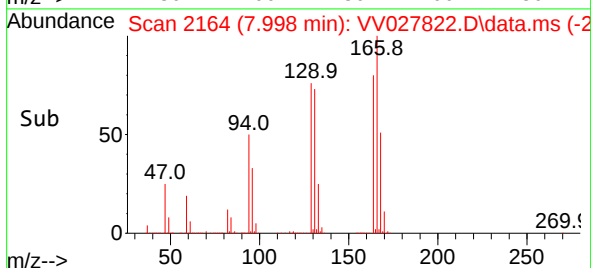
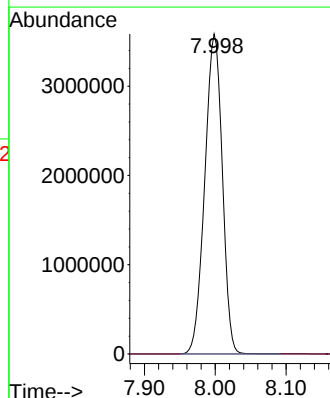
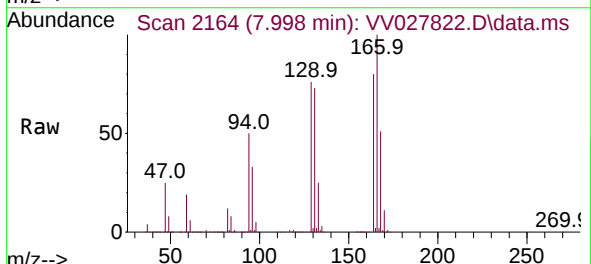
Acq: 14 Sep 2022 12:18

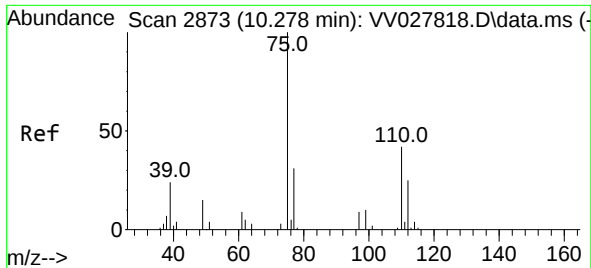
Tgt Ion:129 Resp: 6155933

Ion Ratio Lower Upper

129 100

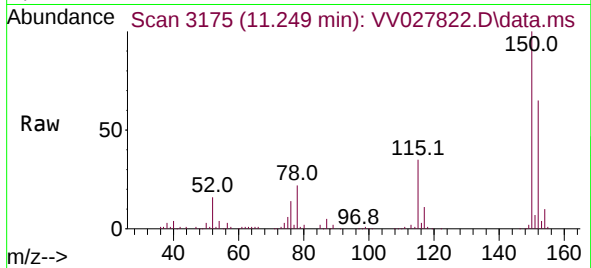
127 0.0 55.2 102.6#





#61
 1,2,3-Trichloropropane
 Concen: 1.246 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.981 min
 Lab File: VV027822.D
 Acq: 14 Sep 2022 12:18

Instrument :
 MSVOA_V
 ClientSampleId :
 BG6H5



Tgt Ion: 75 Resp: 5427
 Ion Ratio Lower Upper
 75 100
 77 38.9 27.6 41.4
 110 2.8 35.6 53.4#

