

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032522\
 Data File : VW025182.D
 Acq On : 25 Mar 2022 16:29
 Operator : SY/MD
 Sample : N2097-04
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AD3

Quant Time: Mar 25 23:23:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 25 23:19:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	128637	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	125859	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	55947	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	40728	4.010	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.200%
7) Chloroethane-d5	1.568	69	37581	5.053	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.000%
11) 1,1-Dichloroethene-d2	2.108	63	55294	3.369	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.400%
20) 2-Butanone-d5	3.896	46	97108	79.120	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	158.240%#
24) Chloroform-d	4.352	84	96945	5.756	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.200%
26) 1,2-Dichloroethane-d4	5.037	65	41008	5.823	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.400%
32) Benzene-d6	5.050	84	182794	5.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	6.069	67	58099	5.534	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.600%
41) Toluene-d8	7.317	98	150996	4.538	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
43) trans-1,3-Dichloroprop...	7.629	79	15974	4.365	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.200%
46) 2-Hexanone-d5	8.088	63	77877	62.382	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.760%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	39514	6.398	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	128.000%#
66) 1,2-Dichlorobenzene-d4	11.625	152	54927	5.799	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.000%
Target Compounds						
					Qvalue	
8) Chloroethane	1.307	64	571	0.083	ug/L #	1
9) Trichlorofluoromethane	1.754	101	2018	0.131	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	28013	3.359	ug/L	97
12) 1,1-Dichloroethene	2.114	96	1439	0.176	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	15149	0.849	ug/L	100
19) 1,1-Dichloroethane	3.195	63	3451	0.206	ug/L	95
25) Chloroform	4.378	83	62005	3.548	ug/L	98
27) 1,2-Dichloroethane	5.056	62	852	0.098	ug/L #	71
29) 1,1,1-Trichloroethane	4.613	97	33914	2.113	ug/L	99
31) Carbon tetrachloride	4.606	117	4610	0.335	ug/L	99
34) Trichloroethene	5.918	95	38679	3.549	ug/L	93
35) Methylcyclohexane	6.069	83	14258	0.826	ug/L #	21
37) 1,2-Dichloropropane	6.072	63	6115	0.650	ug/L #	86
39) cis-1,3-Dichloropropene	6.989	75	1188	0.091	ug/L	90
47) Tetrachloroethene	7.982	164	2780	0.363	ug/L	98
49) Dibromochloromethane	7.982	129	2743	0.390	ug/L #	10
68) 1,2-Dibromo-3-chloropr...	12.246	75	438	0.543	ug/L #	1

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 25 23:19:44 2022
Response via : Initial Calibration

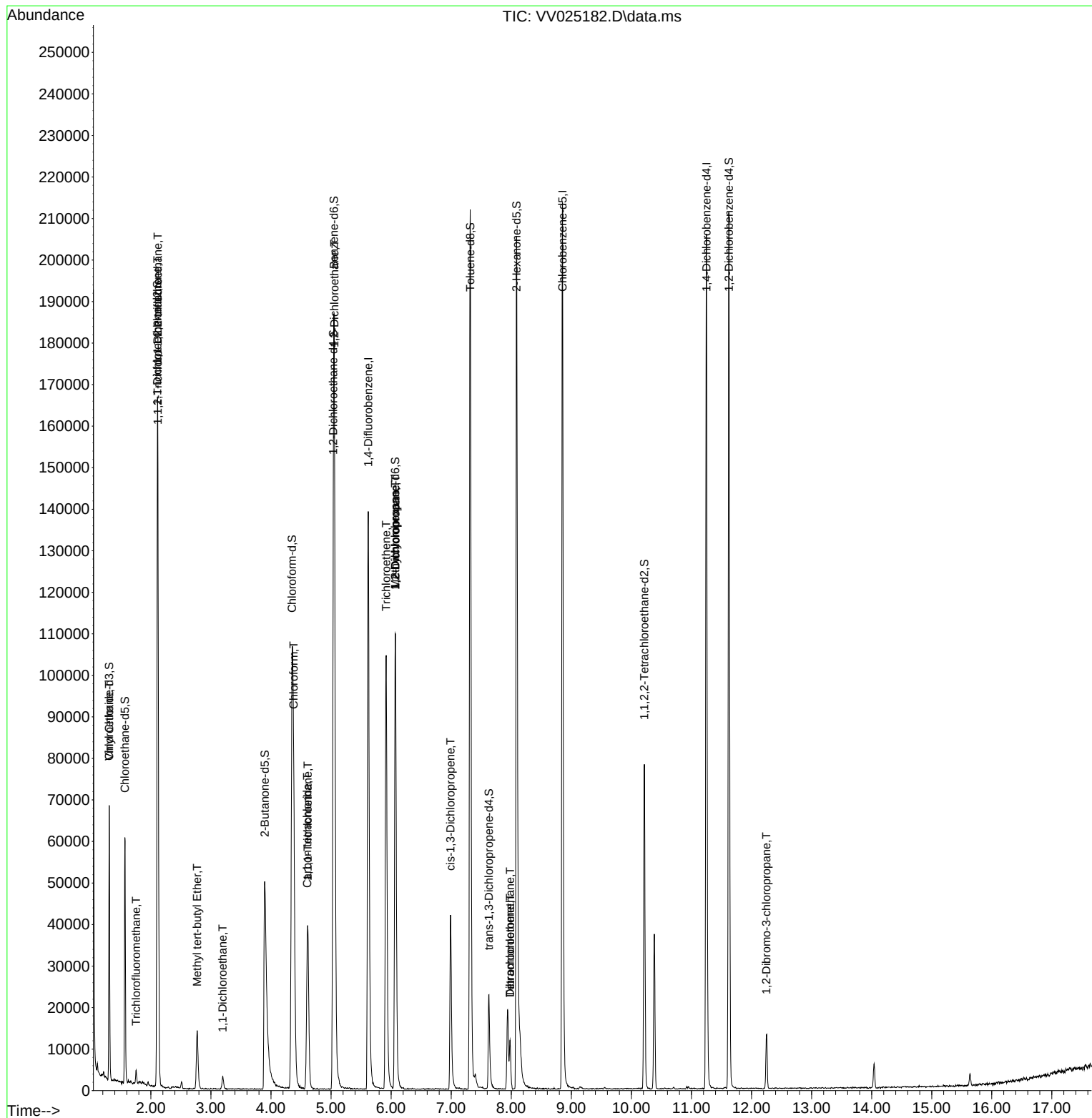
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

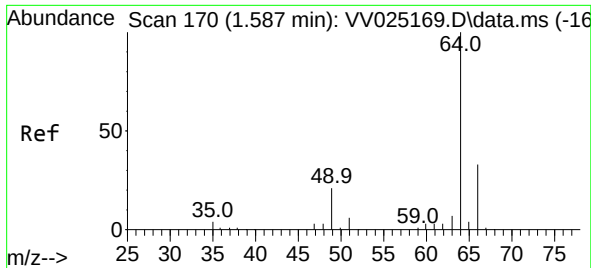
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#8

Chloroethane

Concen: 0.083 ug/L

RT: 1.307 min Scan# 81

Delta R.T. -0.280 min

Lab File: VV025182.D

Acq: 25 Mar 2022 16:29

Instrument :

MSVOA_V

ClientSampleId :

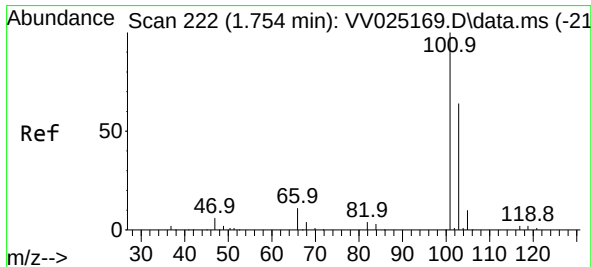
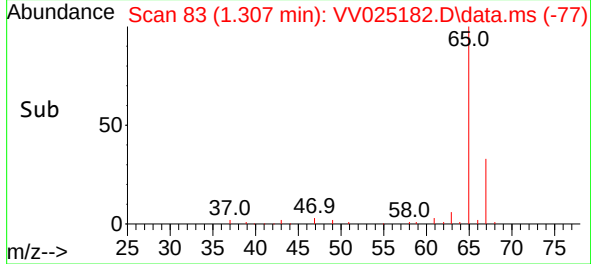
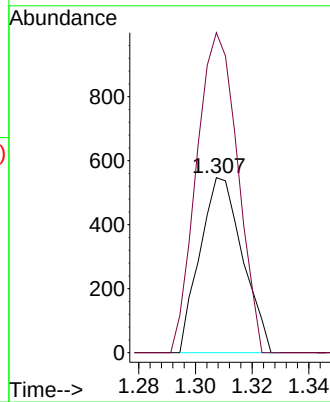
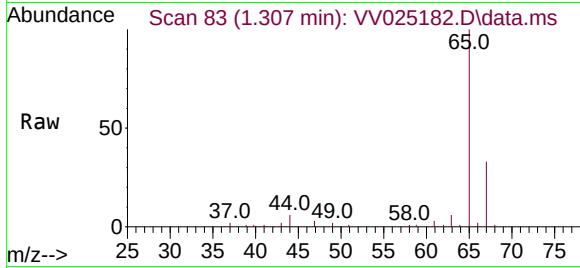
C0AD3

Tgt Ion: 64 Resp: 571

Ion Ratio Lower Upper

64 100

66 182.8 22.5 41.7#



#9

Trichlorofluoromethane

Concen: 0.131 ug/L

RT: 1.754 min Scan# 222

Delta R.T. 0.000 min

Lab File: VV025182.D

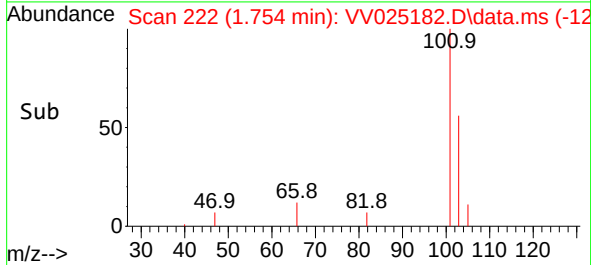
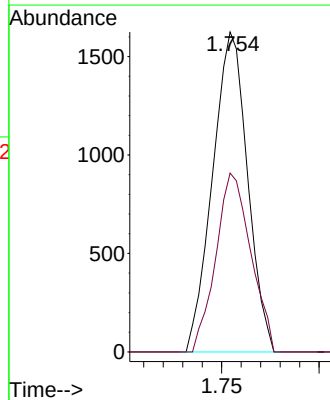
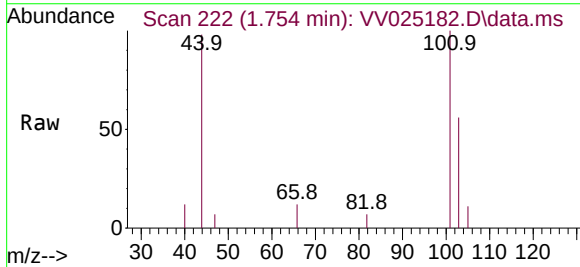
Acq: 25 Mar 2022 16:29

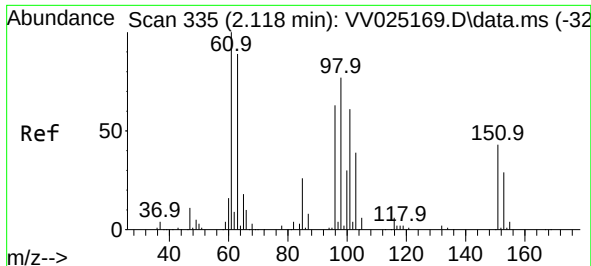
Tgt Ion:101 Resp: 2018

Ion Ratio Lower Upper

101 100

103 56.1 51.5 77.3

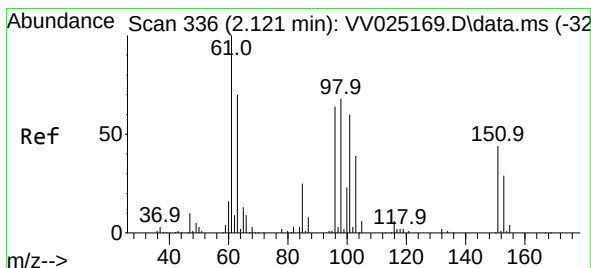
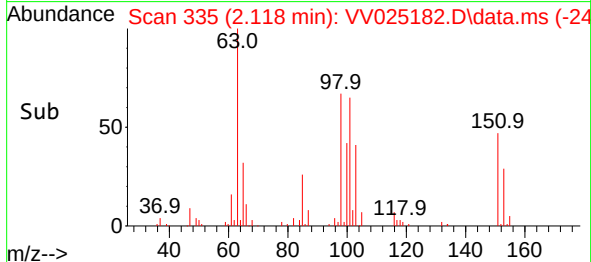
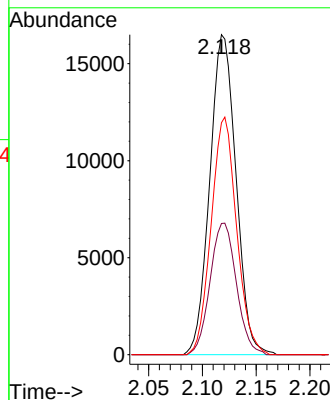
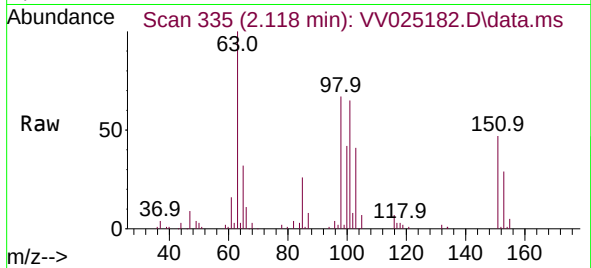




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.359 ug/L
RT: 2.118 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV025182.D
Acq: 25 Mar 2022 16:29

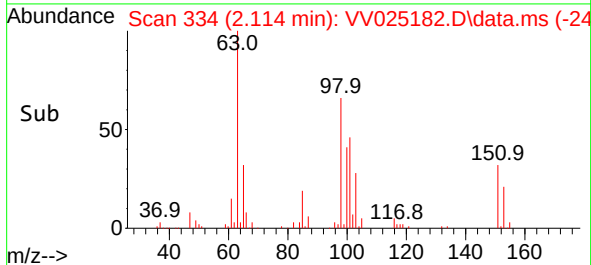
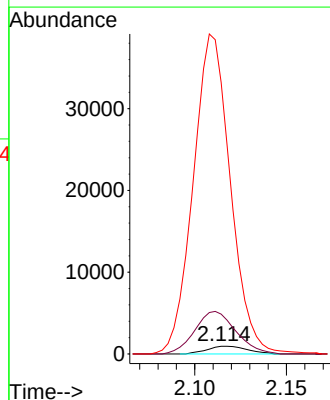
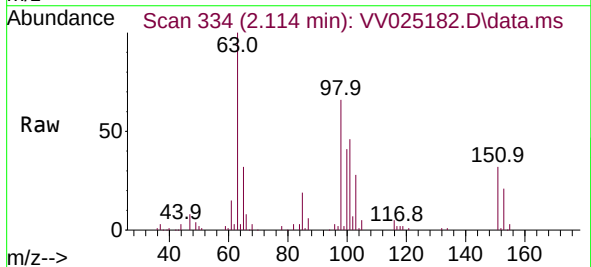
Instrument :
MSVOA_V
ClientSampleId :
C0AD3

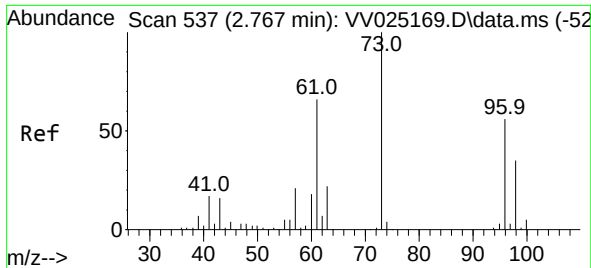
Tgt Ion:101 Resp: 28013
Ion Ratio Lower Upper
101 100
85 41.2 34.8 52.2
151 72.1 55.6 83.4



#12
1,1-Dichloroethene
Concen: 0.176 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.006 min
Lab File: VV025182.D
Acq: 25 Mar 2022 16:29

Tgt Ion: 96 Resp: 1439
Ion Ratio Lower Upper
96 100
61 521.6 113.0 209.9#
63 3556.3 82.1 152.5#

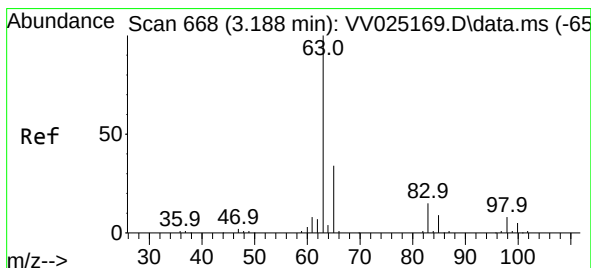
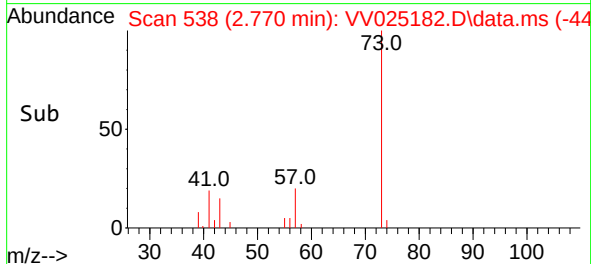
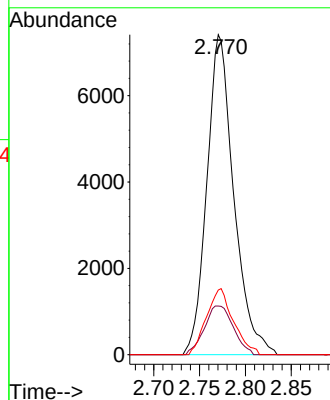
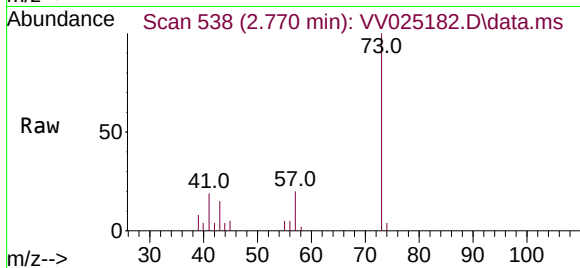




#17
Methyl tert-butyl Ether
Concen: 0.849 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV025182.D
Acq: 25 Mar 2022 16:29

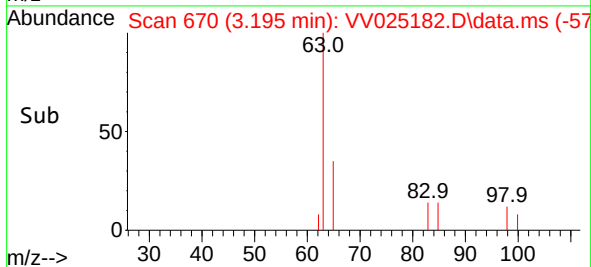
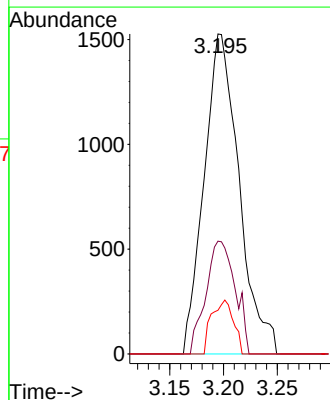
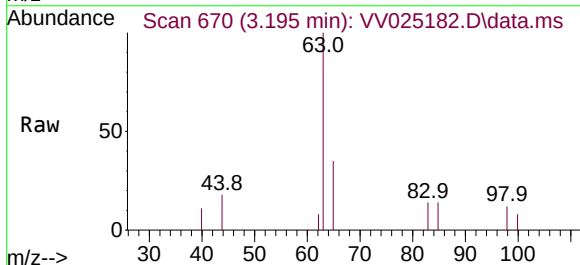
Instrument :
MSVOA_V
ClientSampleId :
C0AD3

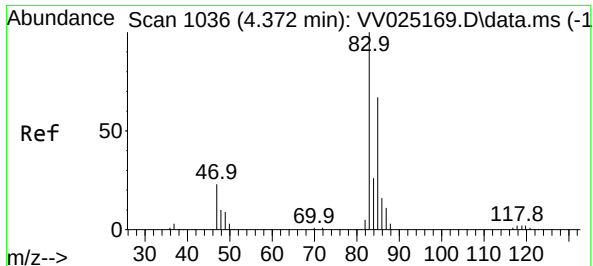
Tgt Ion: 73	Resp:	15149
Ion	Ratio	Lower Upper
73	100	
43	16.4	13.2 19.8
57	20.6	16.7 25.1



#19
1,1-Dichloroethane
Concen: 0.206 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.006 min
Lab File: VV025182.D
Acq: 25 Mar 2022 16:29

Tgt Ion: 63	Resp:	3451
Ion	Ratio	Lower Upper
63	100	
65	35.2	22.2 41.2
83	13.6	9.4 17.4





#25

Chloroform

Concen: 3.548 ug/L

RT: 4.378 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV025182.D

Acq: 25 Mar 2022 16:29

Instrument :

MSVOA_V

ClientSampleId :

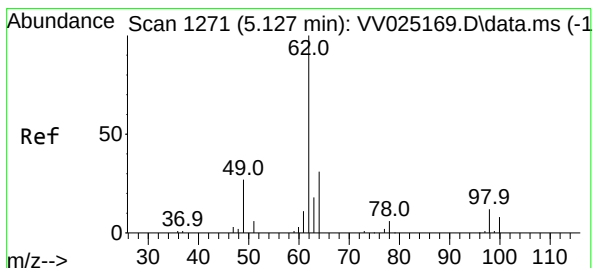
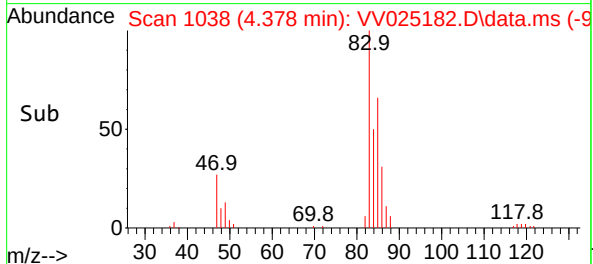
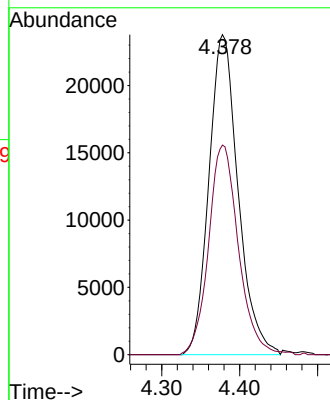
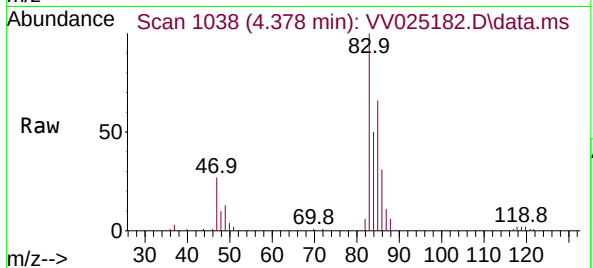
C0AD3

Tgt Ion: 83 Resp: 62005

Ion Ratio Lower Upper

83 100

85 65.5 44.5 82.7



#27

1,2-Dichloroethane

Concen: 0.098 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. -0.071 min

Lab File: VV025182.D

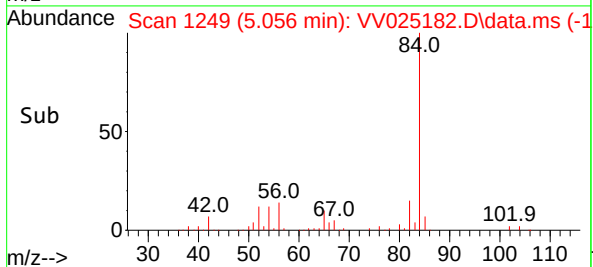
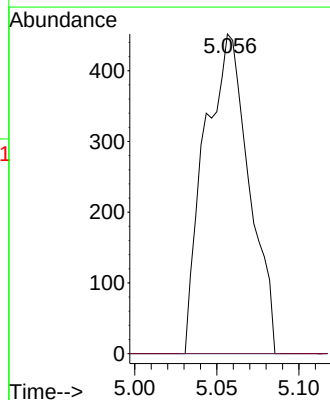
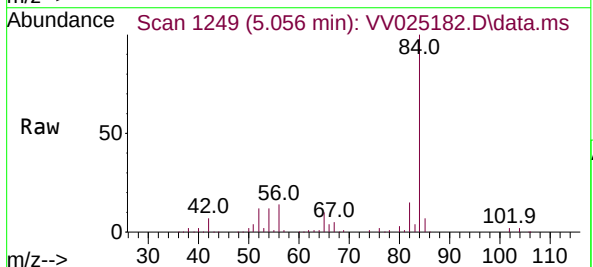
Acq: 25 Mar 2022 16:29

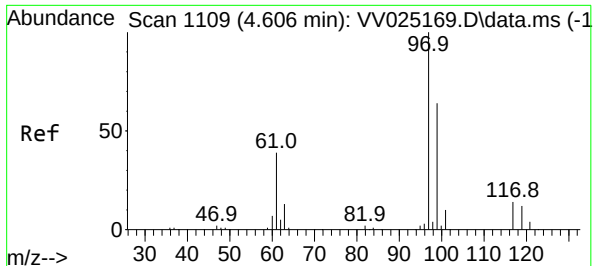
Tgt Ion: 62 Resp: 852

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.4#





#29

1,1,1-Trichloroethane

Concen: 2.113 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VV025182.D

Acq: 25 Mar 2022 16:29

Instrument :

MSVOA_V

ClientSampleId :

C0AD3

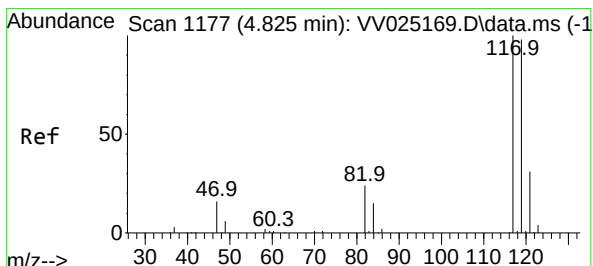
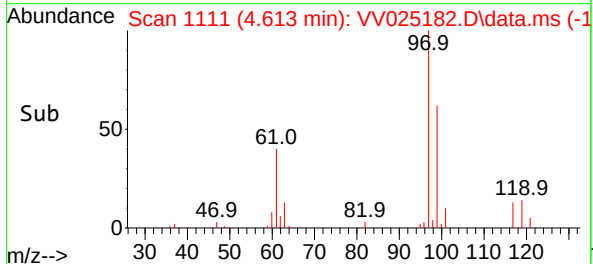
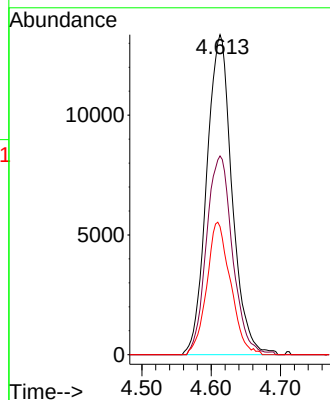
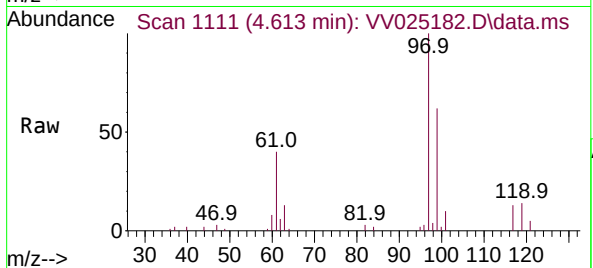
Tgt Ion: 97 Resp: 33914

Ion Ratio Lower Upper

97 100

99 63.8 50.7 76.1

61 39.0 32.4 48.6



#31

Carbon tetrachloride

Concen: 0.335 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.219 min

Lab File: VV025182.D

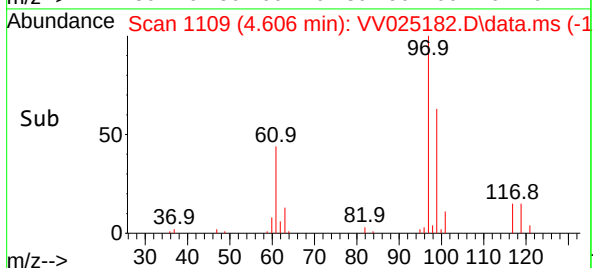
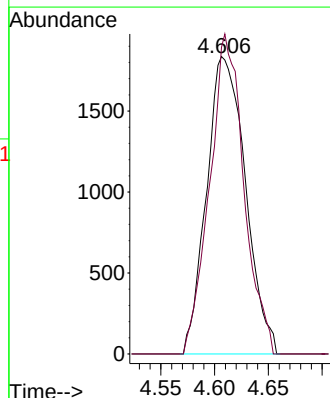
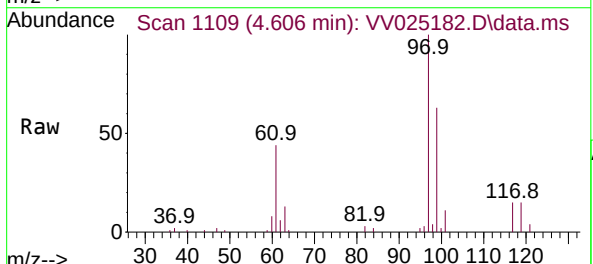
Acq: 25 Mar 2022 16:29

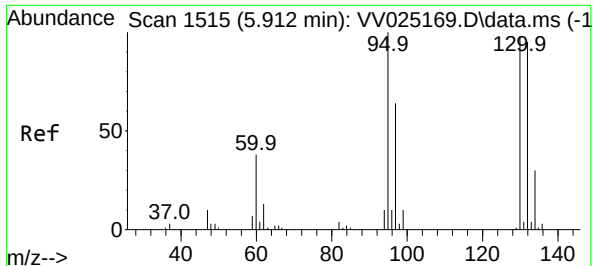
Tgt Ion: 117 Resp: 4610

Ion Ratio Lower Upper

117 100

119 94.8 76.8 115.2





#34

Trichloroethene

Concen: 3.549 ug/L

RT: 5.918 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV025182.D

Acq: 25 Mar 2022 16:29

Instrument :

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ClientSampleId :

C0AD3

Tgt Ion: 95 Resp: 38679

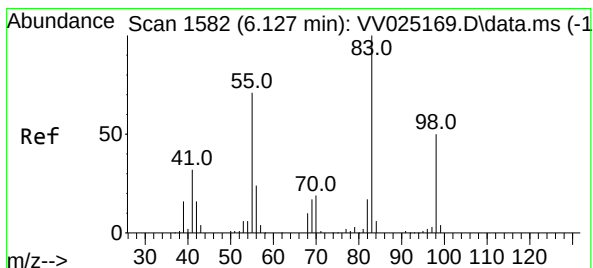
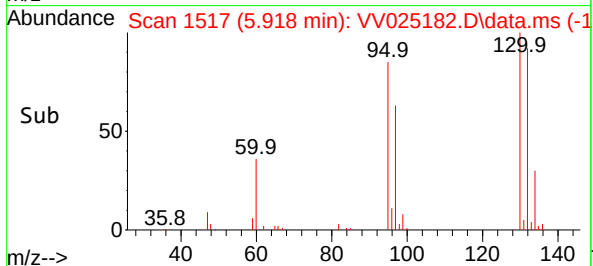
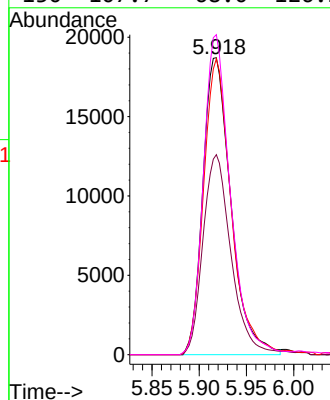
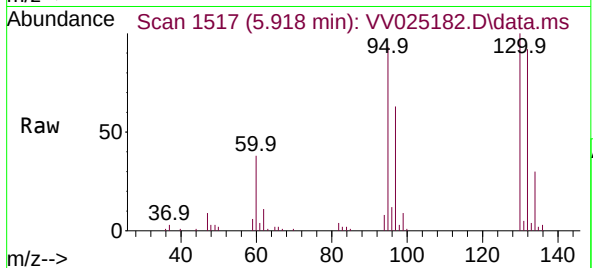
Ion Ratio Lower Upper

95 100

97 67.4 44.5 82.7

132 99.6 66.5 123.5

130 107.7 68.0 126.2



#35

Methylcyclohexane

Concen: 0.826 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.058 min

Lab File: VV025182.D

Acq: 25 Mar 2022 16:29

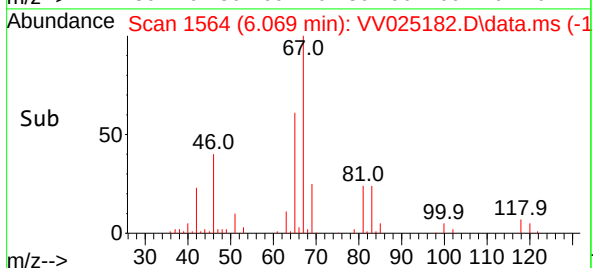
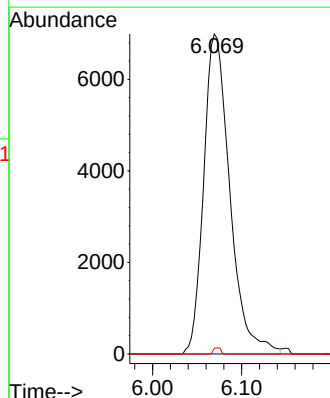
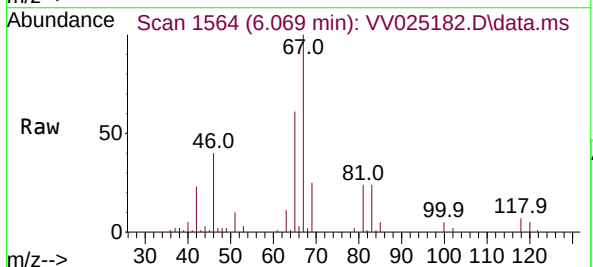
Tgt Ion: 83 Resp: 14258

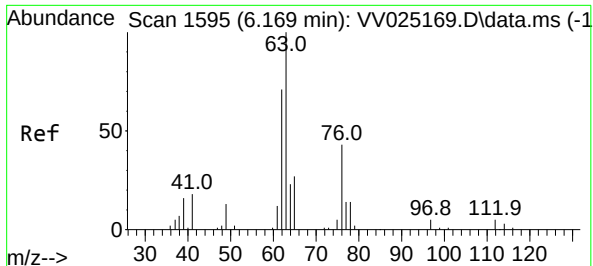
Ion Ratio Lower Upper

83 100

55 0.0 55.4 83.0#

98 0.5 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 0.650 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.096 min

Lab File: VV025182.D

Acq: 25 Mar 2022 16:29

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ClientSampleId :

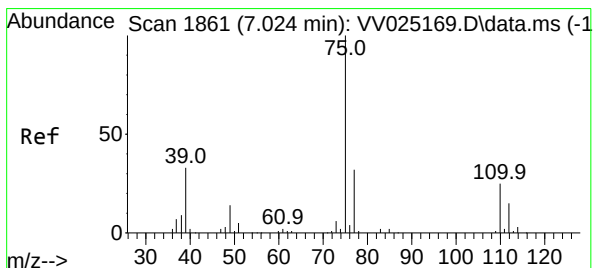
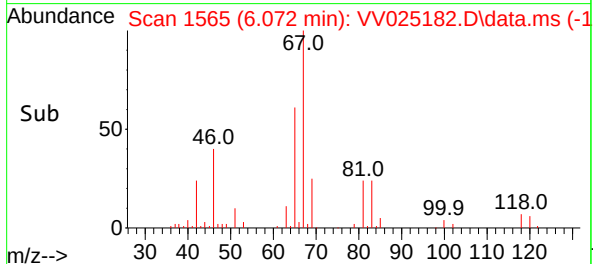
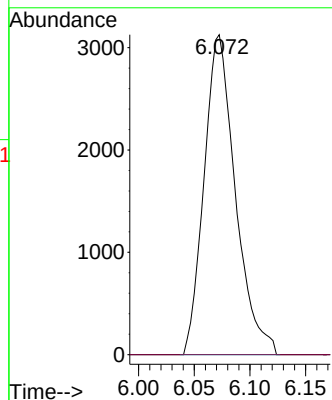
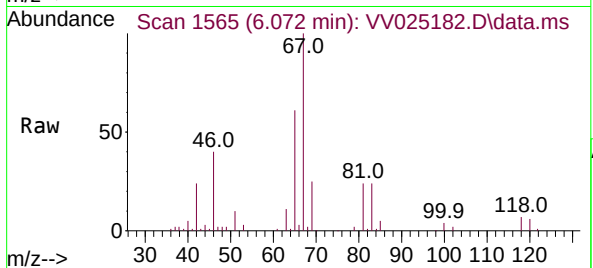
C0AD3

Tgt Ion: 63 Resp: 6115

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.035 min

Lab File: VV025182.D

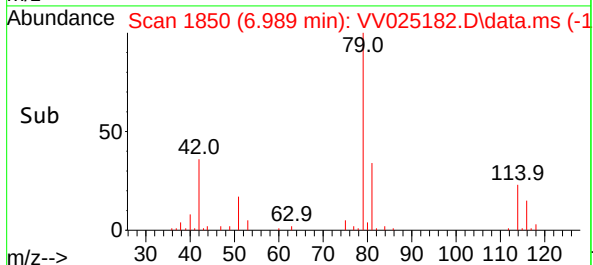
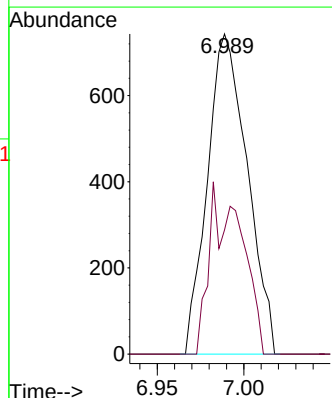
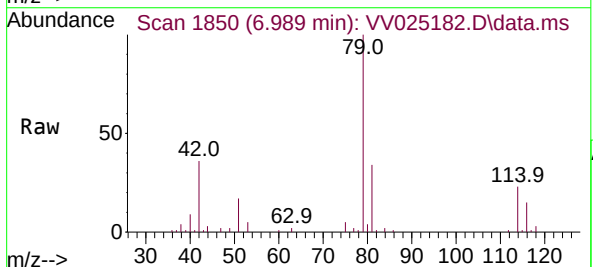
Acq: 25 Mar 2022 16:29

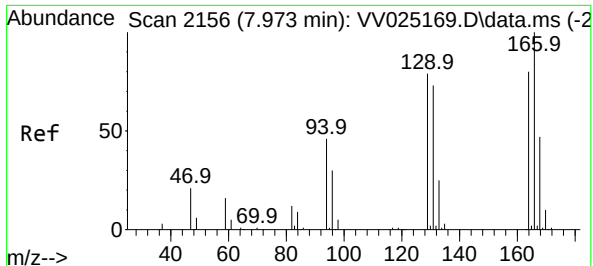
Tgt Ion: 75 Resp: 1188

Ion Ratio Lower Upper

75 100

77 38.8 23.0 42.8





#47

Tetrachloroethene

Concen: 0.363 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. 0.010 min

Lab File: VV025182.D

Acq: 25 Mar 2022 16:29

Instrument :

MSVOA_V

ClientSampleId :

C0AD3

Tgt Ion:164 Resp: 2780

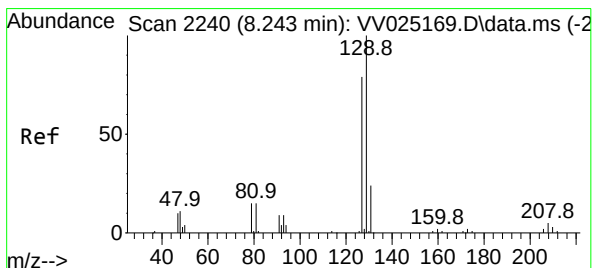
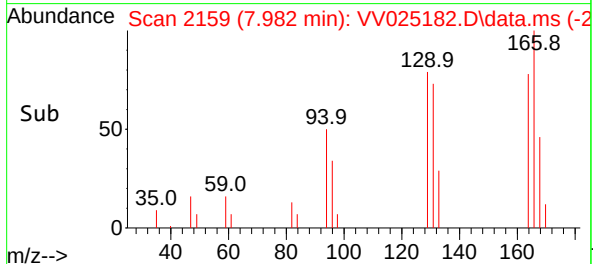
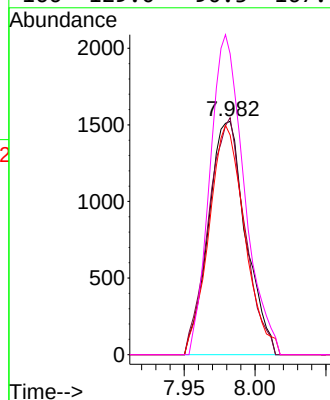
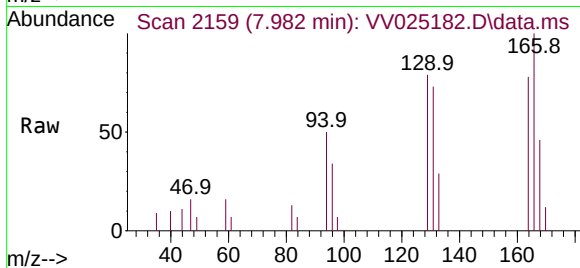
Ion Ratio Lower Upper

164 100

129 101.6 70.3 130.7

131 94.2 69.4 129.0

166 129.0 90.3 167.7



#49

Dibromochloromethane

Concen: 0.390 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.260 min

Lab File: VV025182.D

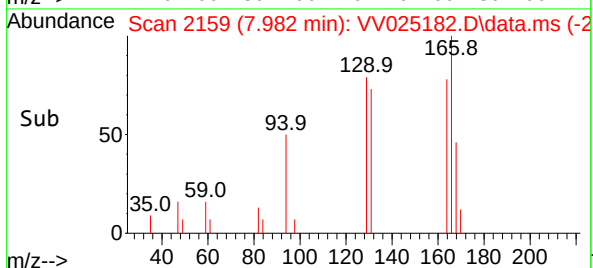
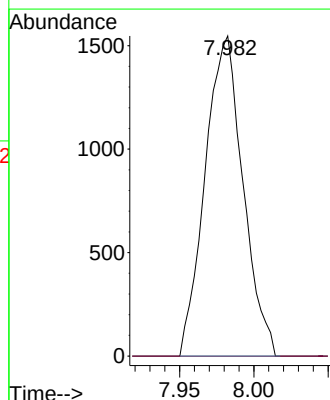
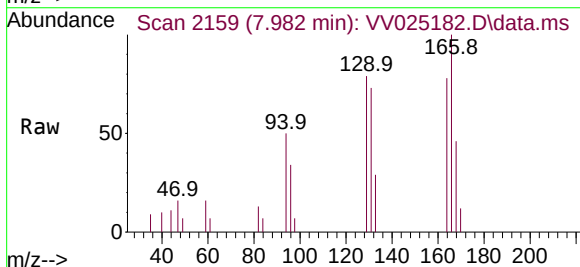
Acq: 25 Mar 2022 16:29

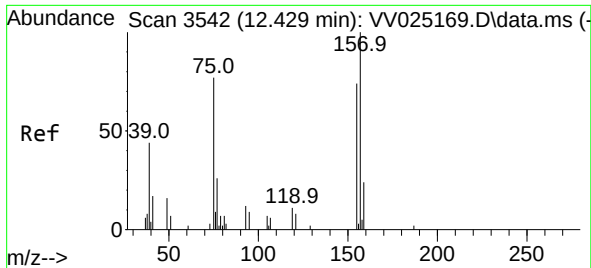
Tgt Ion:129 Resp: 2743

Ion Ratio Lower Upper

129 100

127 0.0 54.9 102.1#





#68

1,2-Dibromo-3-chloropropane

Concen: 0.543 ug/L

RT: 12.246 min Scan# 34

Delta R.T. -0.183 min

Lab File: VV025182.D

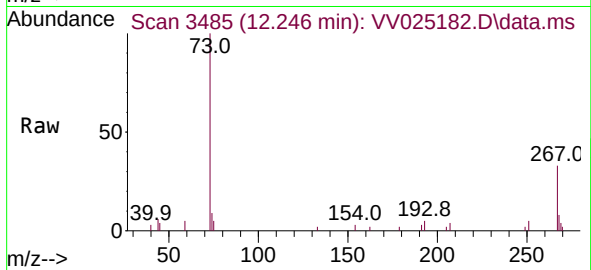
Acq: 25 Mar 2022 16:29

Instrument :

MSVOA_V

ClientSampleId :

C0AD3



Tgt Ion: 75 Resp: 438

Ion Ratio Lower Upper

75 100

155 0.0 65.9 98.9#

157 0.0 89.7 134.5#

