

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032622\
 Data File : VW025218.D
 Acq On : 26 Mar 2022 23:04
 Operator : SY/MD
 Sample : N2097-12
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE1

Quant Time: Mar 28 02:05:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Mar 28 01:44:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	149483	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	146092	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	61619	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	61774	4.424	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.400%
7) Chloroethane-d5	1.571	69	55165	4.707	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.200%
11) 1,1-Dichloroethene-d2	2.111	63	98898	3.270	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.400%
20) 2-Butanone-d5	3.905	46	70969	51.025	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.040%
24) Chloroform-d	4.352	84	93030	5.105	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	5.037	65	41256	5.122	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.050	84	186121	5.036	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
36) 1,2-Dichloropropane-d6	6.069	67	53378	5.153	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.000%
41) Toluene-d8	7.317	98	161131	4.753	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
43) trans-1,3-Dichloroprop...	7.625	79	14988	4.435	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.800%
46) 2-Hexanone-d5	8.088	63	58254	47.733	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.460%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	34268	4.962	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	53573	5.413	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.200%
Target Compounds						
9) Trichlorofluoromethane	1.754	101	1745	0.066	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	19019	1.204	ug/L	99
12) 1,1-Dichloroethene	2.114	96	2061	0.137	ug/L #	1
17) Methyl tert-butyl Ether	2.773	73	16700	0.877	ug/L #	95
19) 1,1-Dichloroethane	3.198	63	4263	0.236	ug/L	92
25) Chloroform	4.381	83	33270	1.663	ug/L	100
27) 1,2-Dichloroethane	5.047	62	1125	0.109	ug/L #	81
29) 1,1,1-Trichloroethane	4.613	97	22583	1.278	ug/L	99
31) Carbon tetrachloride	4.609	117	3138	0.205	ug/L	85
34) Trichloroethene	5.915	95	31949	2.715	ug/L	94
35) Methylcyclohexane	6.069	83	13828	0.750	ug/L #	21
37) 1,2-Dichloropropane	6.069	63	5794	0.583	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1299	0.101	ug/L #	51
47) Tetrachloroethene	7.982	164	2719	0.313	ug/L	91
49) Dibromochloromethane	7.976	129	2474	0.338	ug/L #	11
53) m,p-Xylene	9.149	106	1015	0.054	ug/L	78
61) 1,2,3-Trichloropropane	11.246	75	8377	1.797	ug/L #	64

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QLast Update : Mon Mar 28 01:44:37 2022
Response via : Initial Calibration

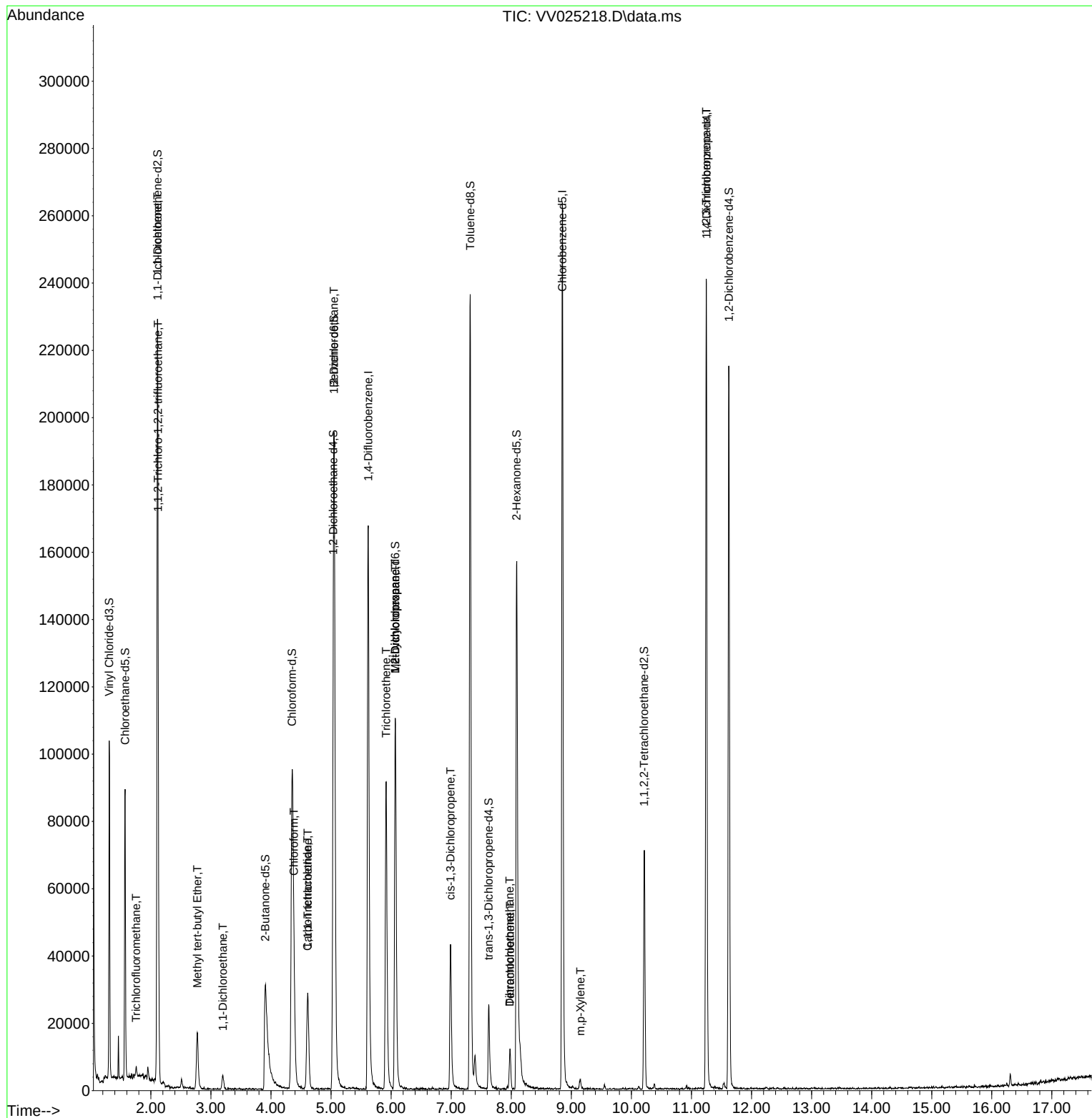
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

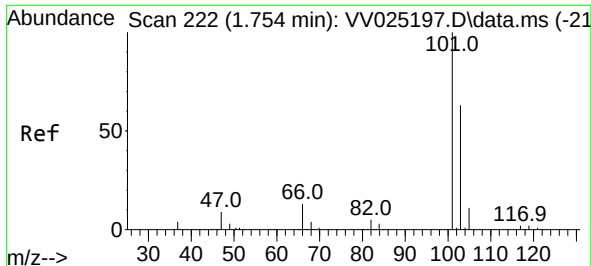
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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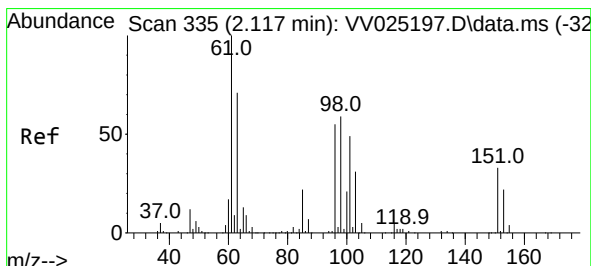
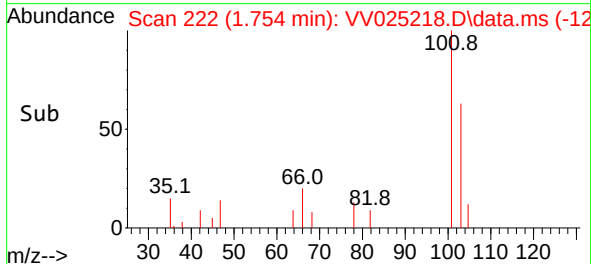
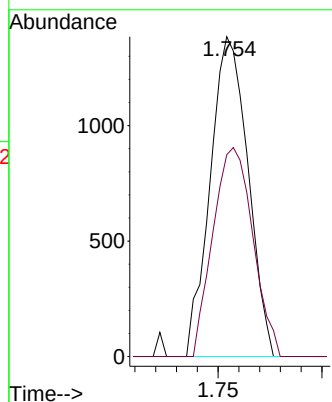
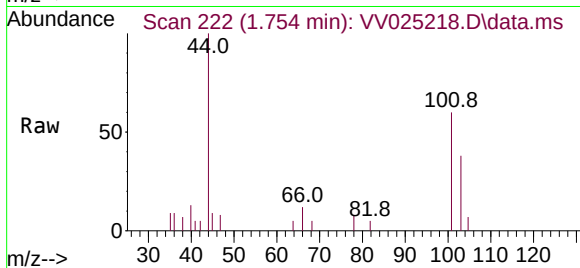




#9
Trichlorofluoromethane
Concen: 0.066 ug/L
RT: 1.754 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV025218.D
Acq: 26 Mar 2022 23:04

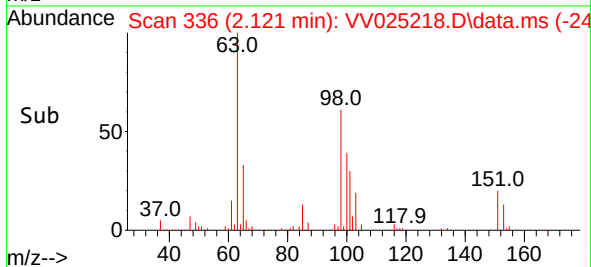
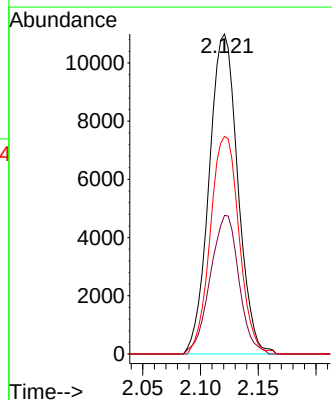
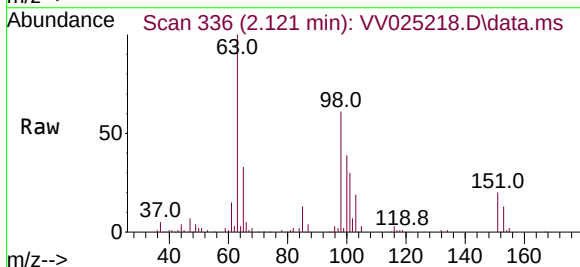
Instrument :
MSVOA_V
ClientSampleId :
C0AE1

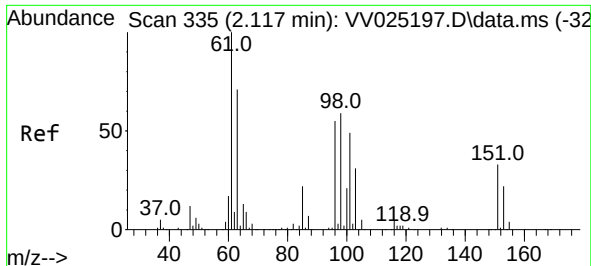
Tgt Ion:101 Resp: 1745
Ion Ratio Lower Upper
101 100
103 69.2 52.2 78.2



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.204 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV025218.D
Acq: 26 Mar 2022 23:04

Tgt Ion:101 Resp: 19019
Ion Ratio Lower Upper
101 100
85 43.1 36.0 54.0
151 68.1 54.6 81.8

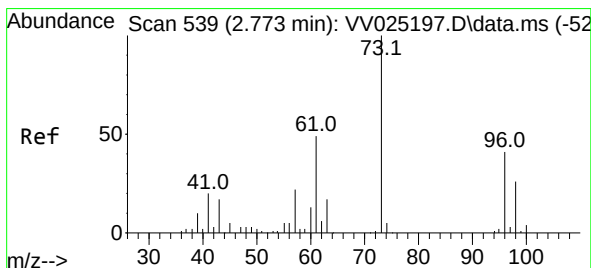
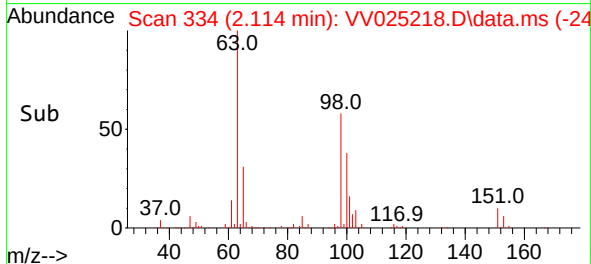
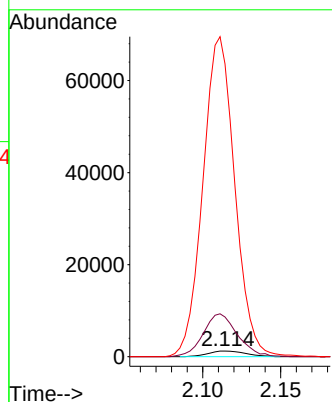
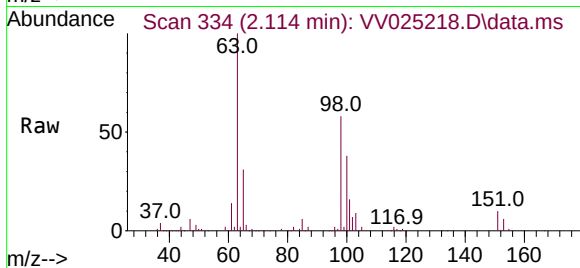




#12
1,1-Dichloroethene
Concen: 0.137 ug/L
RT: 2.114 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV025218.D
Acq: 26 Mar 2022 23:04

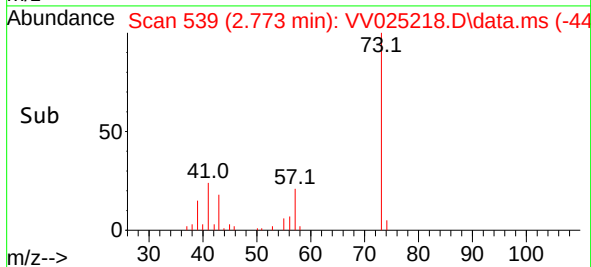
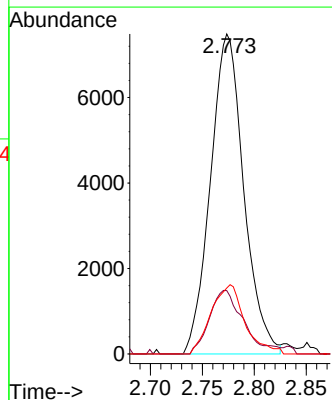
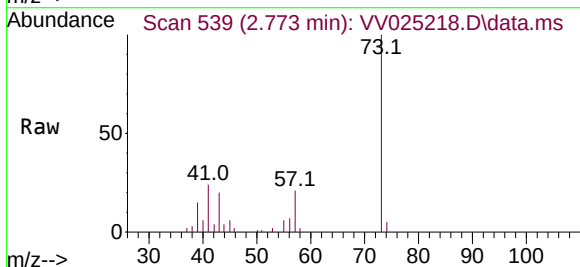
Instrument :
MSVOA_V
ClientSampleId :
C0AE1

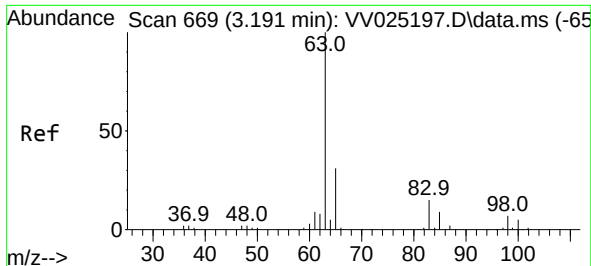
Tgt Ion: 96 Resp: 2061
Ion Ratio Lower Upper
96 100
61 701.6 121.5 225.7#
63 5177.5 77.9 144.7#



#17
Methyl tert-butyl Ether
Concen: 0.877 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.000 min
Lab File: VV025218.D
Acq: 26 Mar 2022 23:04

Tgt Ion: 73 Resp: 16700
Ion Ratio Lower Upper
73 100
43 20.5 13.5 20.3#
57 21.9 16.4 24.6





#19

1,1-Dichloroethane

Concen: 0.236 ug/L

RT: 3.198 min Scan# 61

Delta R.T. 0.006 min

Lab File: VV025218.D

Acq: 26 Mar 2022 23:04

Instrument :

MSVOA_V

ClientSampleId :

C0AE1

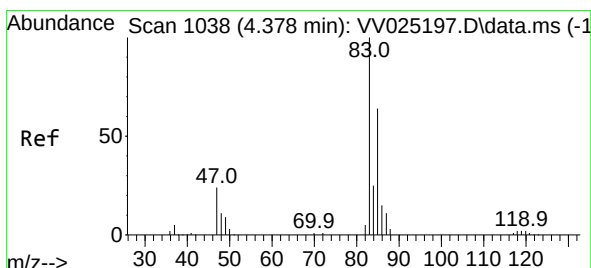
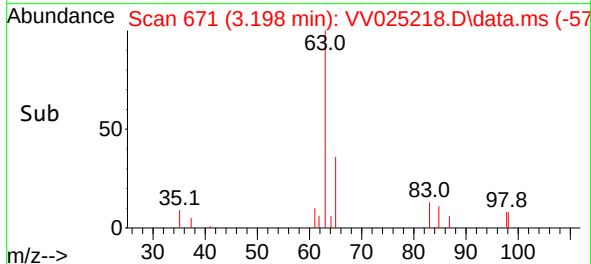
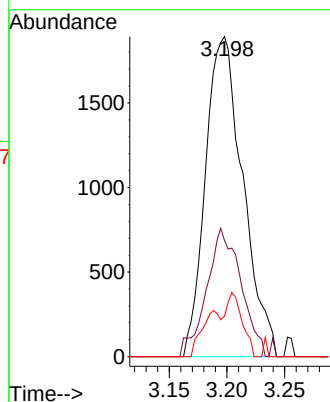
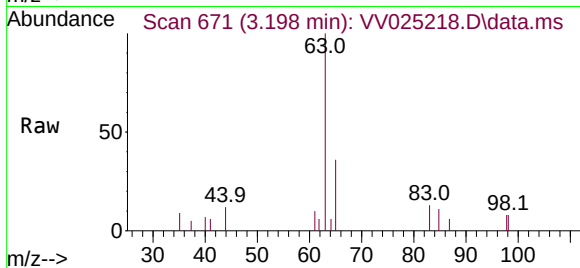
Tgt Ion: 63 Resp: 4263

Ion Ratio Lower Upper

63 100

65 36.3 22.0 40.8

83 12.6 10.2 19.0



#25

Chloroform

Concen: 1.663 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.003 min

Lab File: VV025218.D

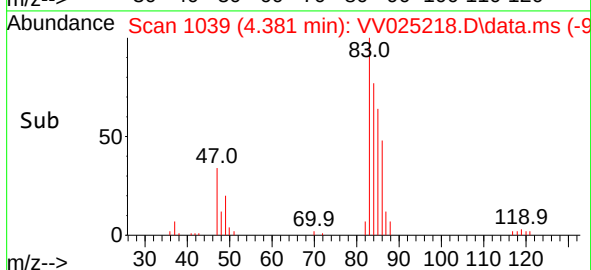
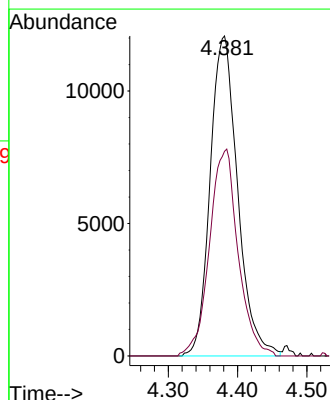
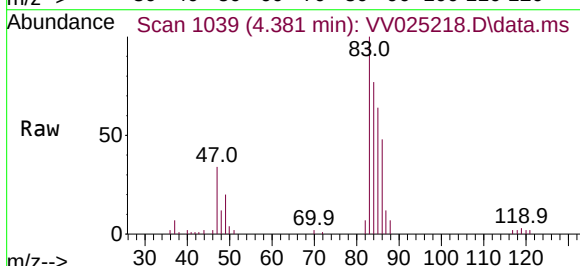
Acq: 26 Mar 2022 23:04

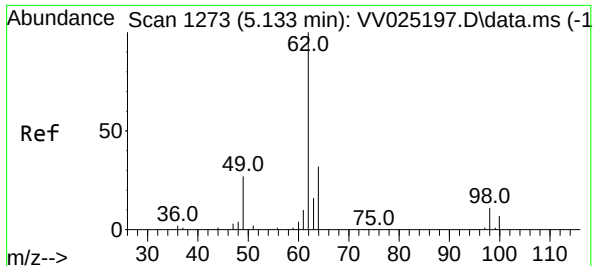
Tgt Ion: 83 Resp: 33270

Ion Ratio Lower Upper

83 100

85 64.0 44.7 82.9





#27

1,2-Dichloroethane

Concen: 0.109 ug/L

RT: 5.047 min Scan# 11

Delta R.T. -0.087 min

Lab File: VV025218.D

Acq: 26 Mar 2022 23:04

Instrument :

MSVOA_V

ClientSampleId :

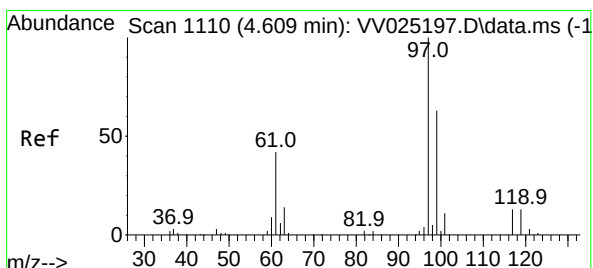
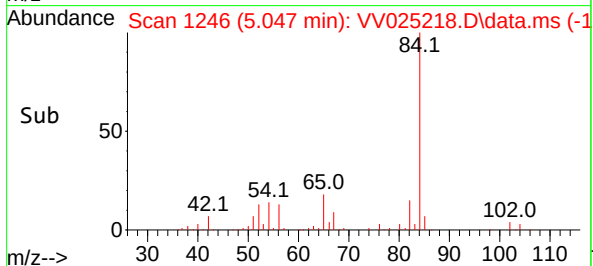
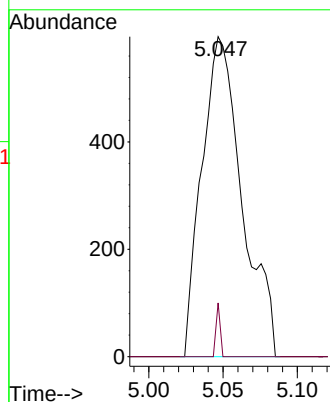
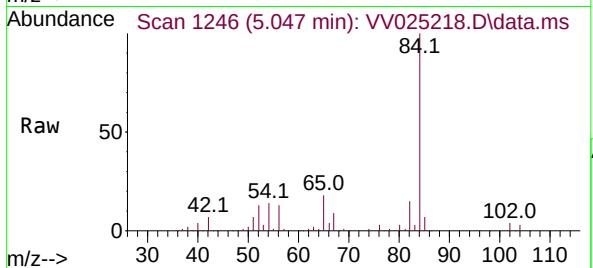
C0AE1

Tgt Ion: 62 Resp: 1125

Ion Ratio Lower Upper

62 100

98 16.8 7.9 11.9#



#29

1,1,1-Trichloroethane

Concen: 1.278 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.003 min

Lab File: VV025218.D

Acq: 26 Mar 2022 23:04

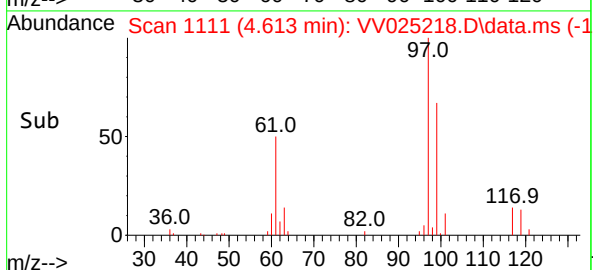
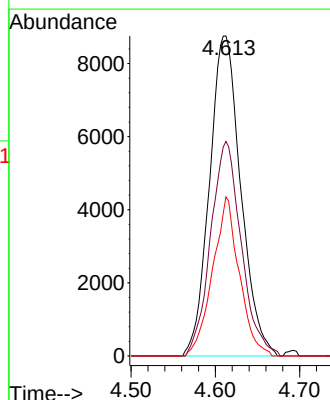
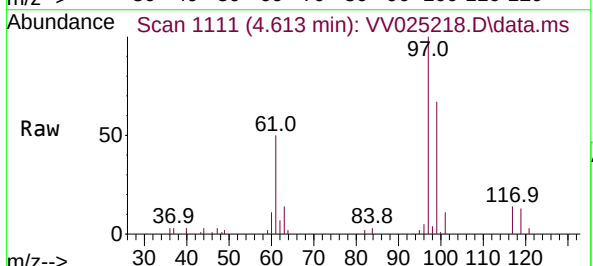
Tgt Ion: 97 Resp: 22583

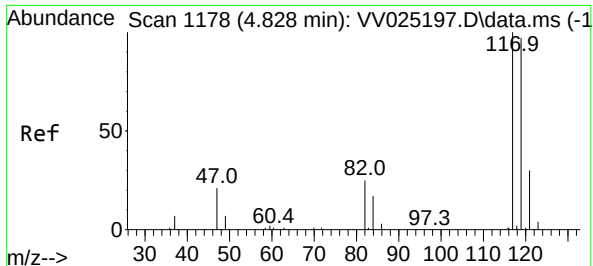
Ion Ratio Lower Upper

97 100

99 65.4 51.9 77.9

61 42.3 34.2 51.2

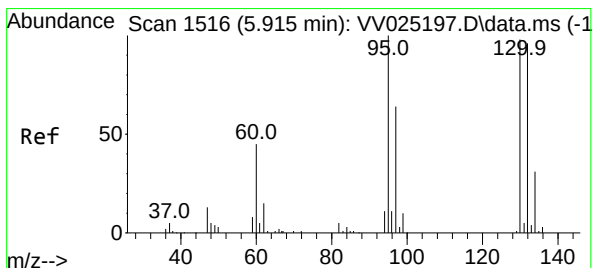
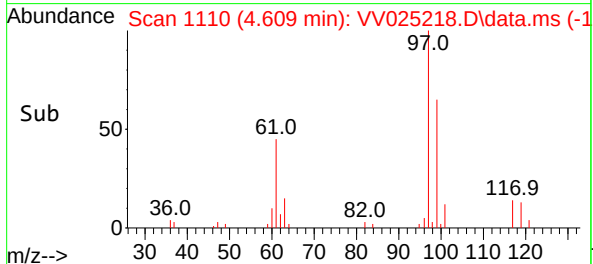
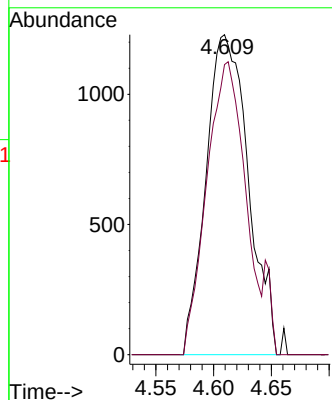
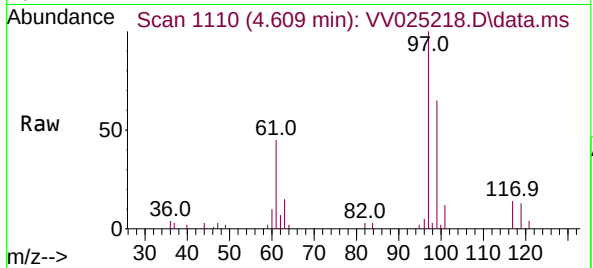




#31
Carbon tetrachloride
Concen: 0.205 ug/L
RT: 4.609 min Scan# 1178
Delta R.T. -0.219 min
Lab File: VV025218.D
Acq: 26 Mar 2022 23:04

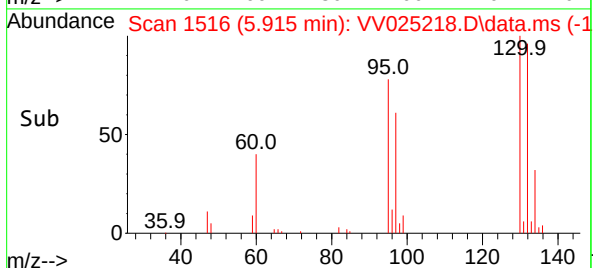
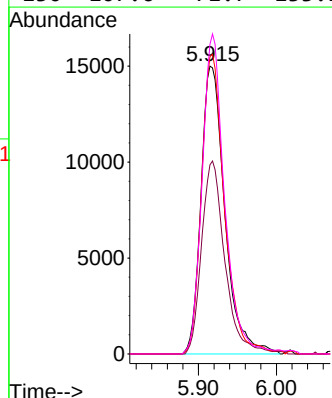
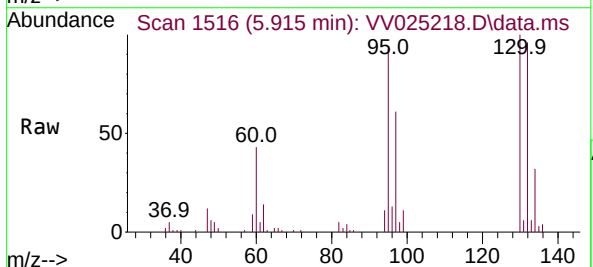
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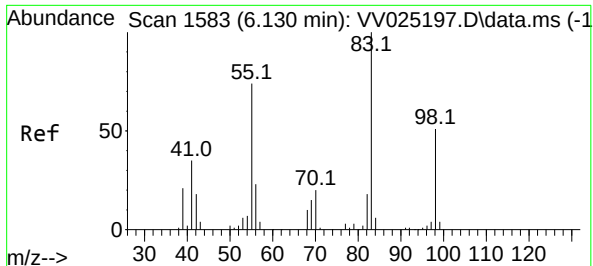
Tgt Ion:117 Resp: 3138
Ion Ratio Lower Upper
117 100
119 82.5 77.8 116.6



#34
Trichloroethene
Concen: 2.715 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VV025218.D
Acq: 26 Mar 2022 23:04

Tgt Ion: 95 Resp: 31949
Ion Ratio Lower Upper
95 100
97 65.7 46.3 85.9
132 103.3 65.2 121.2
130 107.6 71.7 133.1





#35

Methylcyclohexane

Concen: 0.750 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.061 min

Lab File: VV025218.D

Acq: 26 Mar 2022 23:04

Instrument :

MSVOA_V

ClientSampleId :

C0AE1

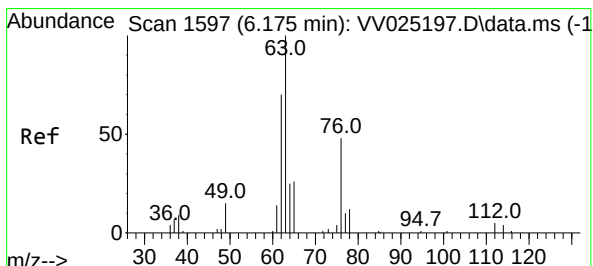
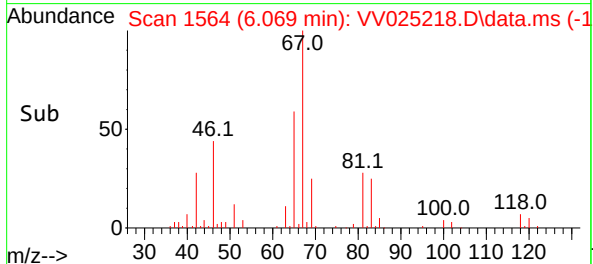
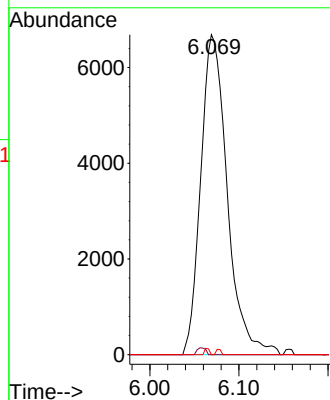
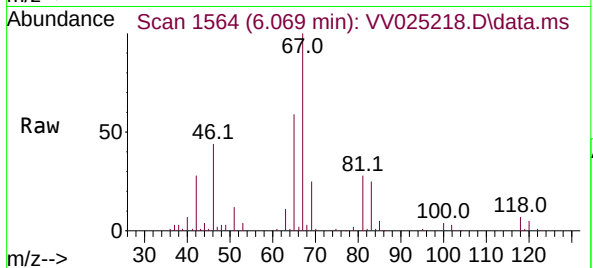
Tgt Ion: 83 Resp: 13828

Ion Ratio Lower Upper

83 100

55 0.7 54.6 81.8#

98 0.4 39.8 59.6#



#37

1,2-Dichloropropane

Concen: 0.583 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.106 min

Lab File: VV025218.D

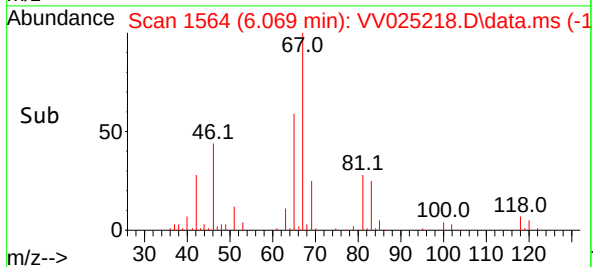
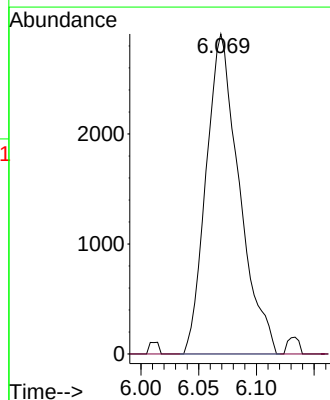
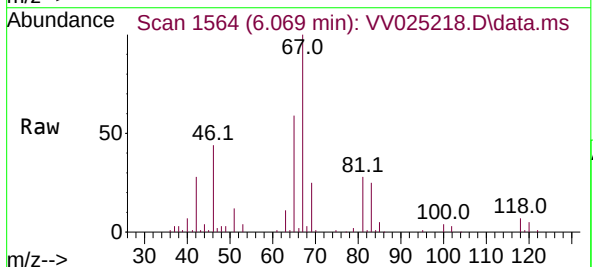
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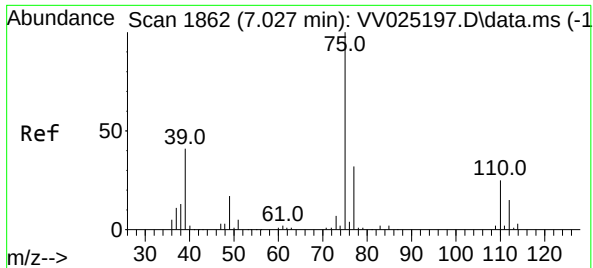
Tgt Ion: 63 Resp: 5794

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.2#





#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV025218.D

Acq: 26 Mar 2022 23:04

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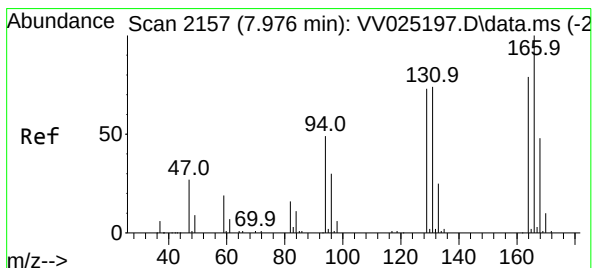
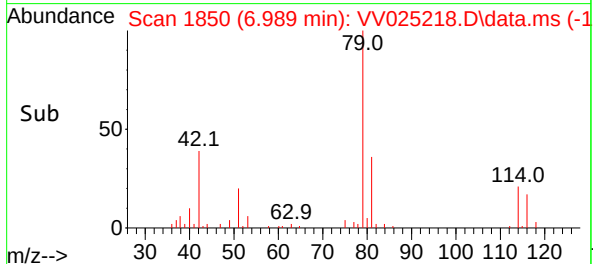
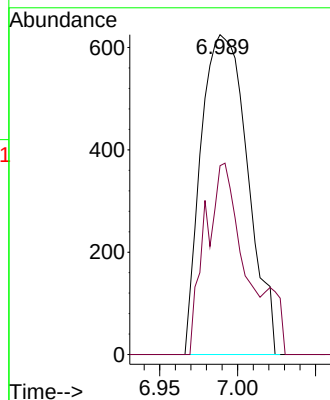
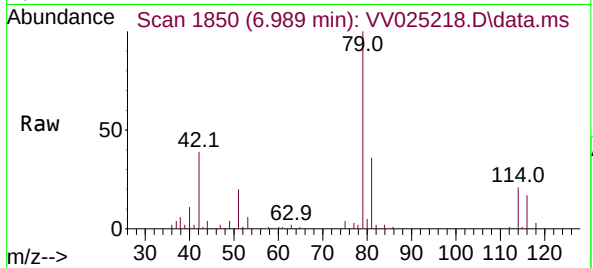
C0AE1

Tgt Ion: 75 Resp: 1299

Ion Ratio Lower Upper

75 100

77 59.0 22.1 41.1#



#47

Tetrachloroethene

Concen: 0.313 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. 0.006 min

Lab File: VV025218.D

Acq: 26 Mar 2022 23:04

Tgt Ion: 164 Resp: 2719

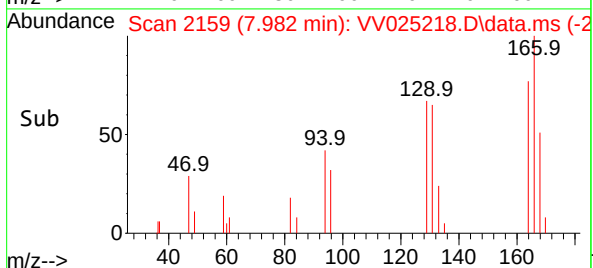
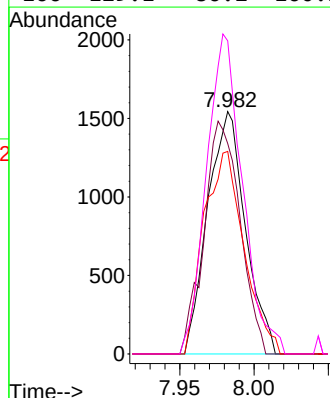
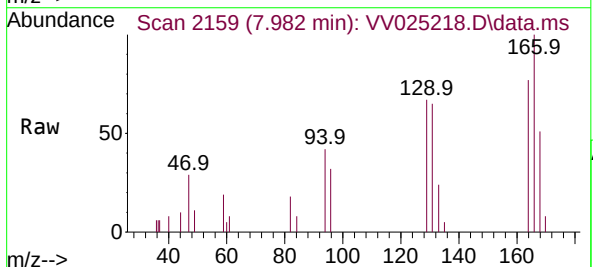
Ion Ratio Lower Upper

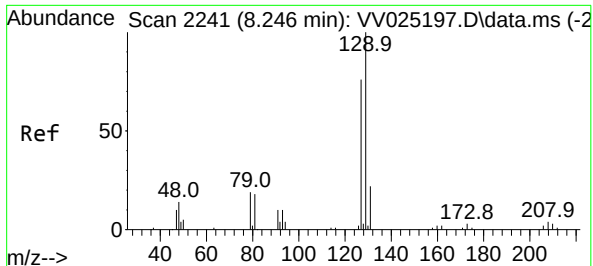
164 100

129 86.8 67.5 125.4

131 83.5 68.0 126.4

166 129.1 86.2 160.2





#49

Dibromochloromethane

Concen: 0.338 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV025218.D

Acq: 26 Mar 2022 23:04

Instrument :

MSVOA_V

ClientSampleId :

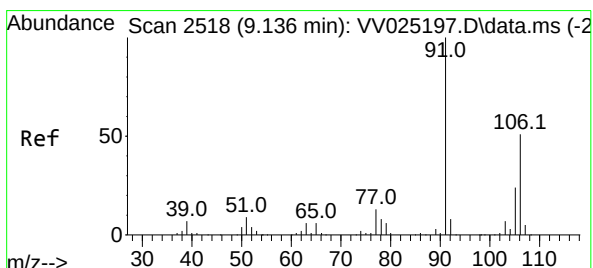
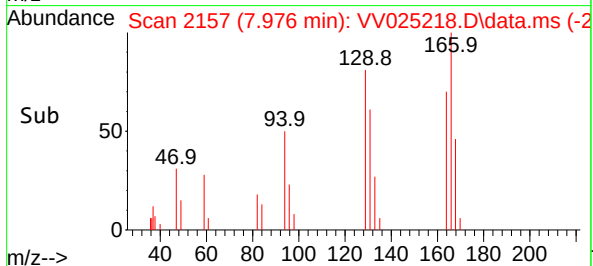
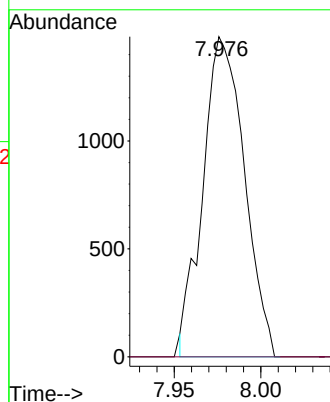
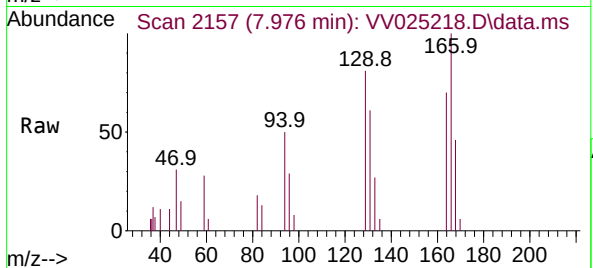
C0AE1

Tgt Ion:129 Resp: 2474

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#53

m,p-Xylene

Concen: 0.054 ug/L

RT: 9.149 min Scan# 2522

Delta R.T. 0.013 min

Lab File: VV025218.D

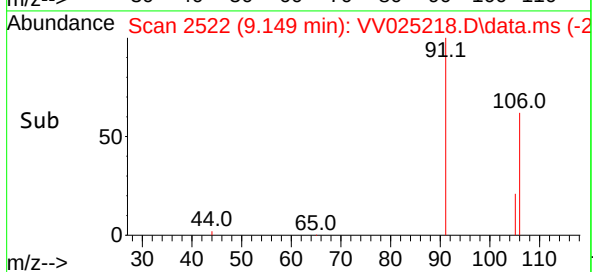
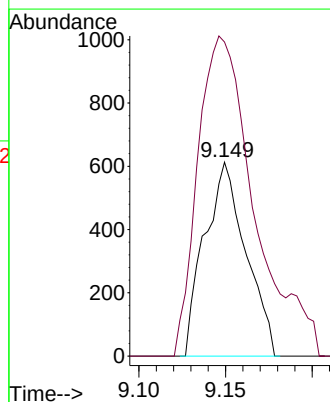
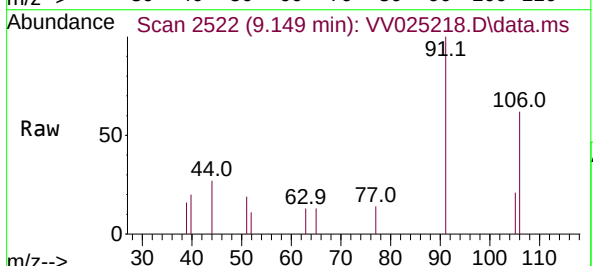
Acq: 26 Mar 2022 23:04

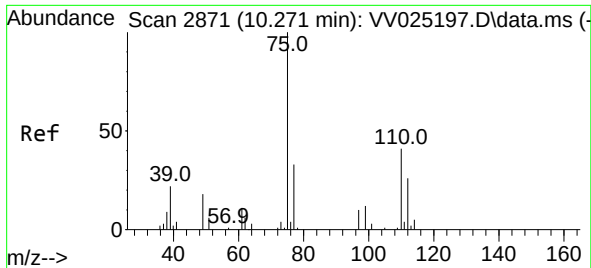
Tgt Ion:106 Resp: 1015

Ion Ratio Lower Upper

106 100

91 162.0 136.8 254.0





#61
 1,2,3-Trichloropropane
 Concen: 1.797 ug/L
 RT: 11.246 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV025218.D
 Acq: 26 Mar 2022 23:04

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AE1

Tgt Ion: 75 Resp: 8377
 Ion Ratio Lower Upper
 75 100
 77 29.4 25.8 38.6
 110 1.9 31.6 47.4#

