

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040822\
 Data File : VW025425.D
 Acq On : 08 Apr 2022 21:28
 Operator : SY/MD
 Sample : N2219-05
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 YB2H2

Quant Time: Apr 09 06:27:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 09 06:16:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	123387	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	119522	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	52758	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	62345	5.435	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.600%
7) Chloroethane-d5	1.568	69	56010	4.590	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.108	63	97625	4.248	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.000%
20) 2-Butanone-d5	3.892	46	75976	54.448	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.900%
24) Chloroform-d	4.352	84	84194	4.857	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.034	65	40249	5.389	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.800%
32) Benzene-d6	5.050	84	172580	4.990	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
36) 1,2-Dichloropropane-d6	6.069	67	49752	5.159	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.200%
41) Toluene-d8	7.317	98	153087	4.770	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	7.625	79	14008	4.321	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.400%
46) 2-Hexanone-d5	8.088	63	57168	50.248	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.500%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31444	5.161	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	52079	5.888	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	491	0.041	ug/L #	78
9) Trichlorofluoromethane	1.754	101	17299	0.900	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	1547	0.143	ug/L #	56
12) 1,1-Dichloroethene	2.121	96	8074	0.754	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	1207	0.073	ug/L #	82
18) trans-1,2-Dichloroethene	2.770	96	650	0.072	ug/L	79
19) 1,1-Dichloroethane	3.195	63	1481	0.098	ug/L #	93
22) cis-1,2-Dichloroethene	3.912	96	11700	1.239	ug/L	99
25) Chloroform	4.381	83	18587	1.159	ug/L	99
31) Carbon tetrachloride	4.831	117	2103	0.176	ug/L	95
34) Trichloroethene	5.912	95	577110	61.561	ug/L	99
35) Methylcyclohexane	6.069	83	12307	0.823	ug/L #	21
37) 1,2-Dichloropropane	6.069	63	6077	0.744	ug/L #	85
38) Bromodichloromethane	6.519	83	1502	0.148	ug/L #	91
39) cis-1,3-Dichloropropene	6.992	75	1102	0.103	ug/L #	24
47) Tetrachloroethene	7.976	164	37049	5.048	ug/L	98
49) Dibromochloromethane	7.976	129	34037	5.668	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	6684	1.924	ug/L #	62
68) 1,2-Dibromo-3-chloropr...	12.246	75	296	0.493	ug/L #	2

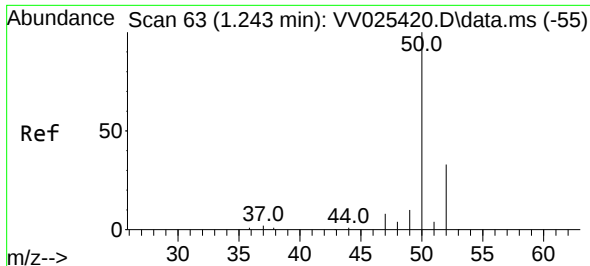
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Data File : VV025425.D
Acq On : 08 Apr 2022 21:28
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Quant Time: Apr 09 06:27:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 09 06:16:16 2022
Response via : Initial Calibration

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

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



#3

Chloromethane

Concen: 0.041 ug/L

RT: 1.240 min Scan# 61

Delta R.T. -0.003 min

Lab File: VV025425.D

Acq: 08 Apr 2022 21:28

Instrument :

MSVOA_V

ClientSampleId :

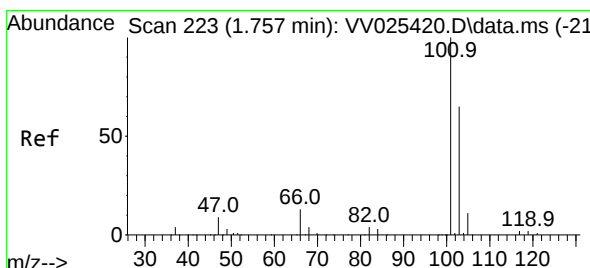
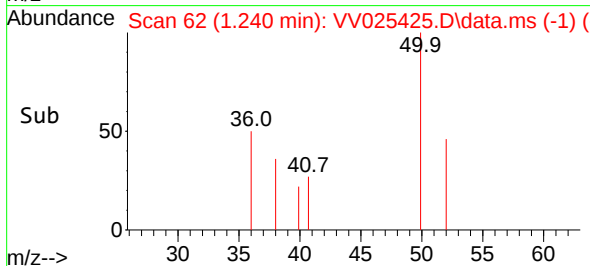
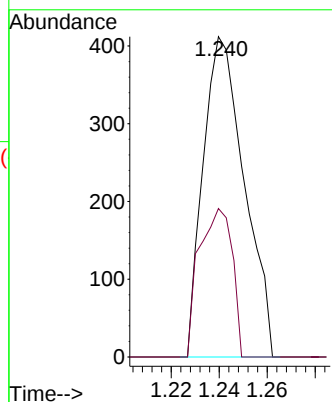
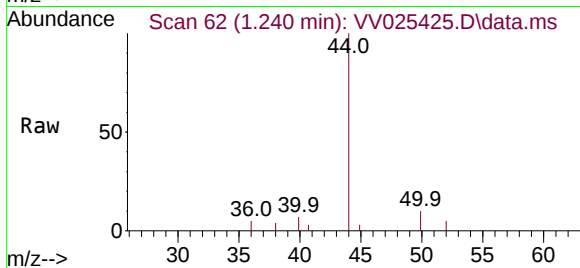
YB2H2

Tgt Ion: 50 Resp: 491

Ion Ratio Lower Upper

50 100

52 46.4 23.7 43.9#



#9

Trichlorofluoromethane

Concen: 0.900 ug/L

RT: 1.754 min Scan# 222

Delta R.T. -0.003 min

Lab File: VV025425.D

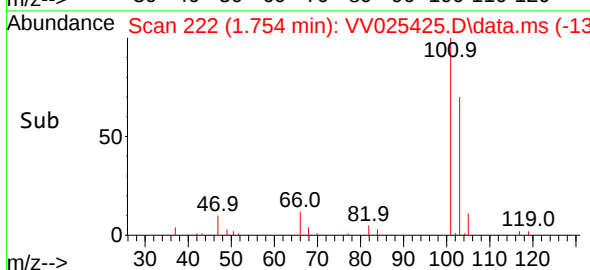
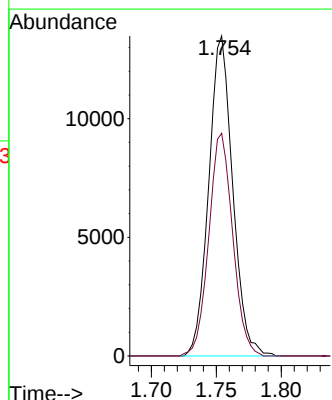
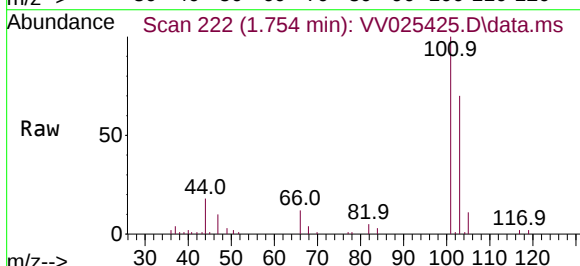
Acq: 08 Apr 2022 21:28

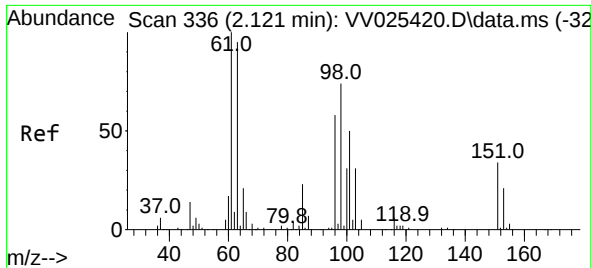
Tgt Ion: 101 Resp: 17299

Ion Ratio Lower Upper

101 100

103 69.4 51.9 77.9

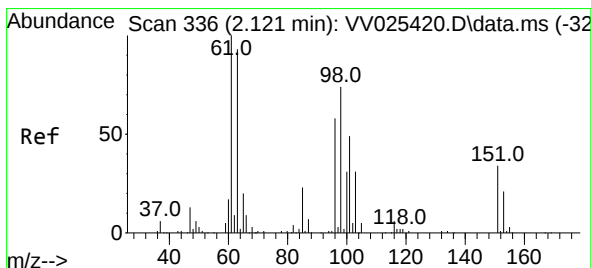
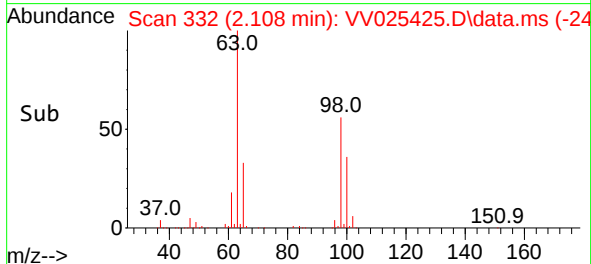
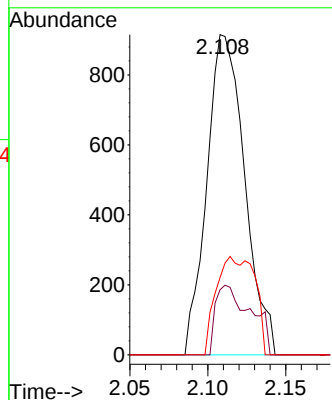
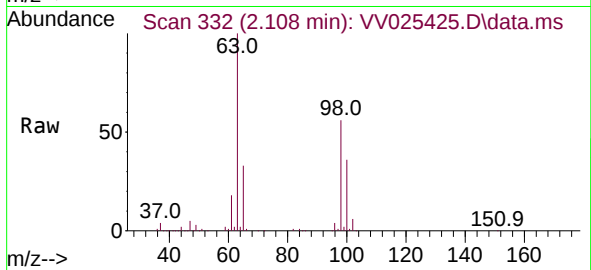




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.143 ug/L
 RT: 2.108 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VV025425.D
 Acq: 08 Apr 2022 21:28

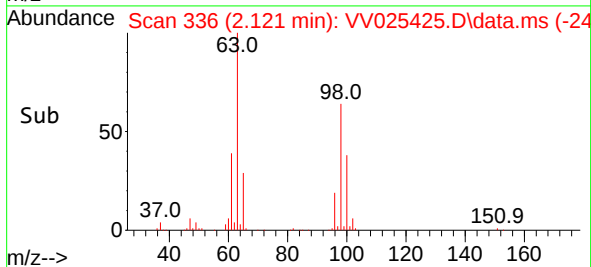
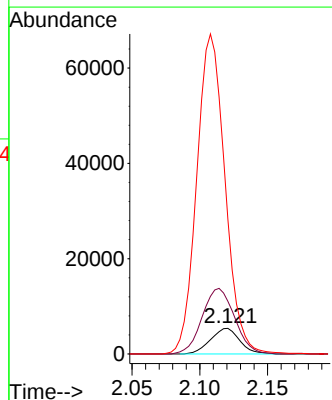
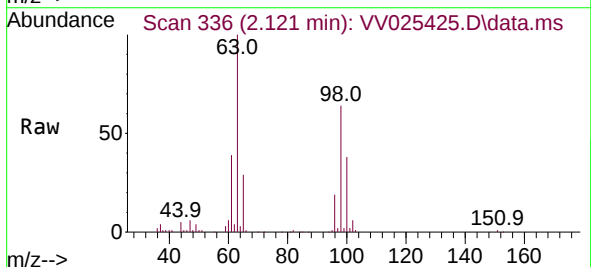
Instrument :
 MSVOA_V
 ClientSampleId :
 YB2H2

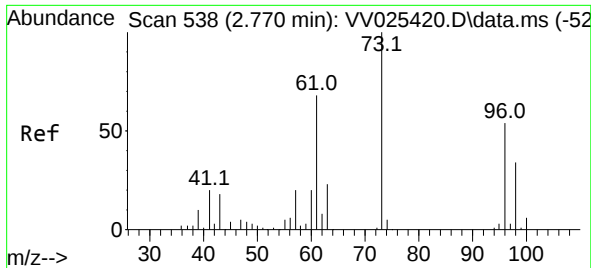
Tgt Ion:101 Resp: 1547
 Ion Ratio Lower Upper
 101 100
 85 20.1 35.9 53.9#
 151 31.2 56.0 84.0#



#12
 1,1-Dichloroethene
 Concen: 0.754 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. -0.000 min
 Lab File: VV025425.D
 Acq: 08 Apr 2022 21:28

Tgt Ion: 96 Resp: 8074
 Ion Ratio Lower Upper
 96 100
 61 205.2 125.2 232.4
 63 524.7 114.4 212.4#

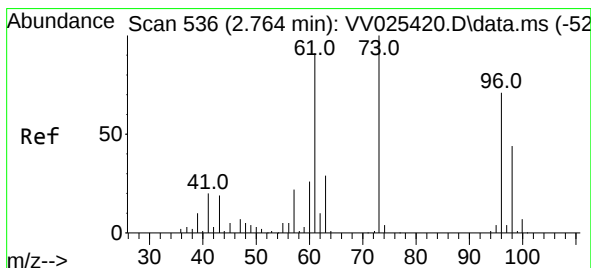
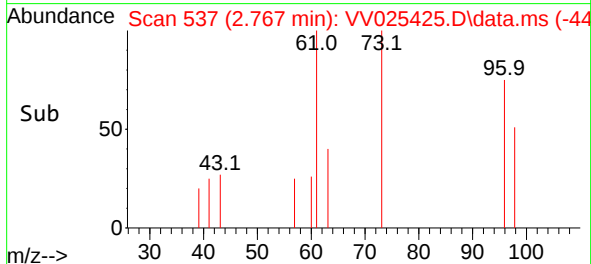
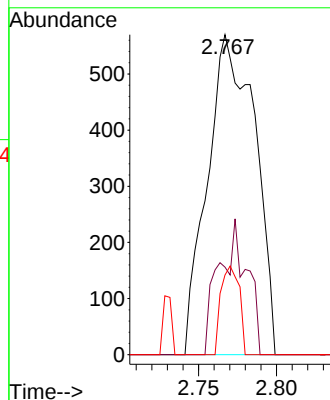
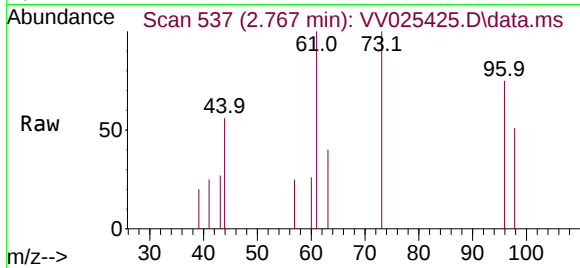




#17
Methyl tert-butyl Ether
Concen: 0.073 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV025425.D
Acq: 08 Apr 2022 21:28

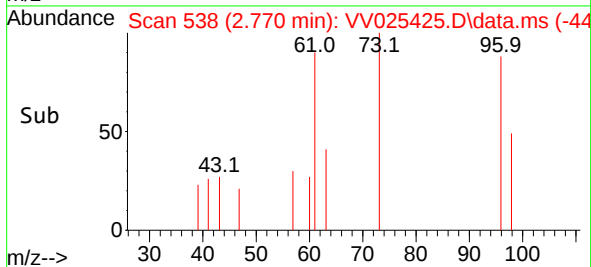
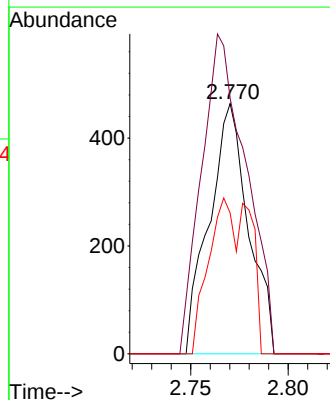
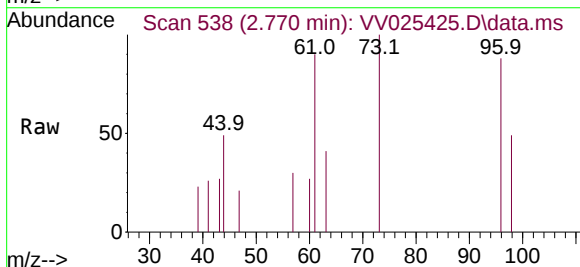
Instrument :
MSVOA_V
ClientSampleId :
YB2H2

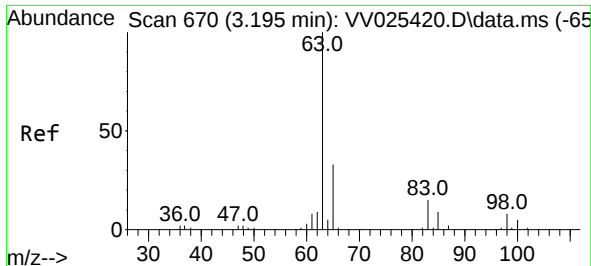
Tgt Ion: 73 Resp: 1207
Ion Ratio Lower Upper
73 100
43 24.8 14.2 21.4#
57 10.7 16.1 24.1#



#18
trans-1,2-Dichloroethene
Concen: 0.072 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.006 min
Lab File: VV025425.D
Acq: 08 Apr 2022 21:28

Tgt Ion: 96 Resp: 650
Ion Ratio Lower Upper
96 100
61 102.2 92.1 171.1
98 56.3 47.5 88.1





#19

1,1-Dichloroethane

Concen: 0.098 ug/L

RT: 3.195 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV025425.D

Acq: 08 Apr 2022 21:28

Instrument :

MSVOA_V

ClientSampleId :

YB2H2

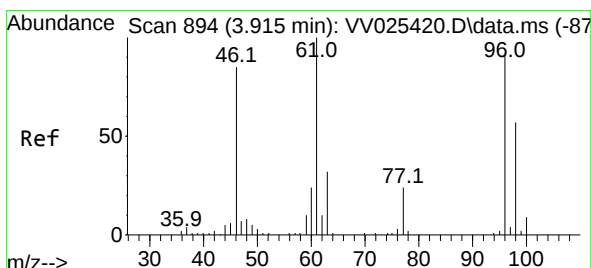
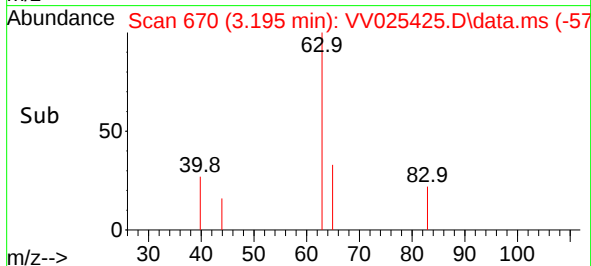
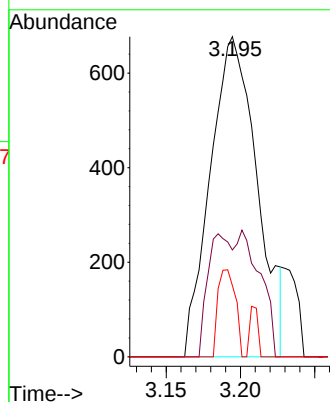
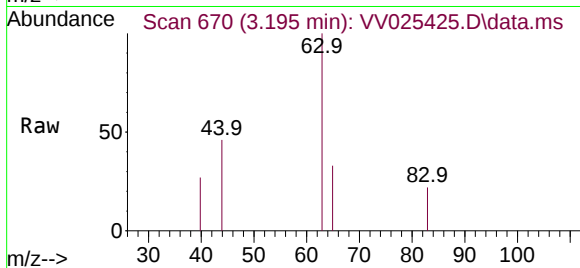
Tgt Ion: 63 Resp: 1481

Ion Ratio Lower Upper

63 100

65 33.4 23.2 43.0

83 22.3 9.0 16.8#



#22

cis-1,2-Dichloroethene

Concen: 1.239 ug/L

RT: 3.912 min Scan# 893

Delta R.T. -0.003 min

Lab File: VV025425.D

Acq: 08 Apr 2022 21:28

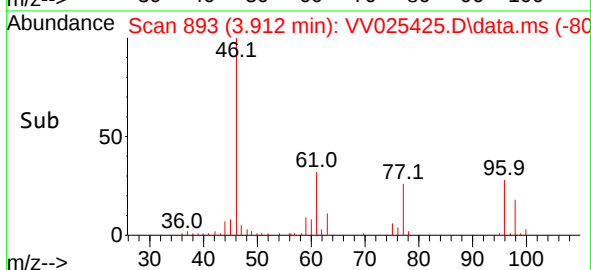
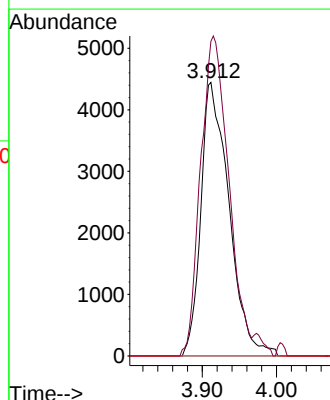
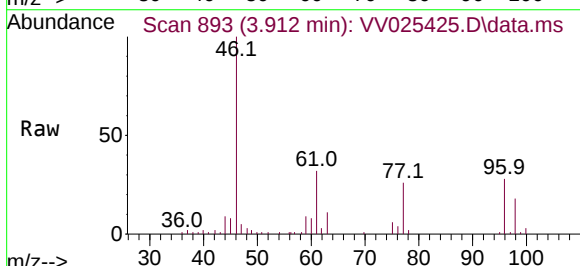
Tgt Ion: 96 Resp: 11700

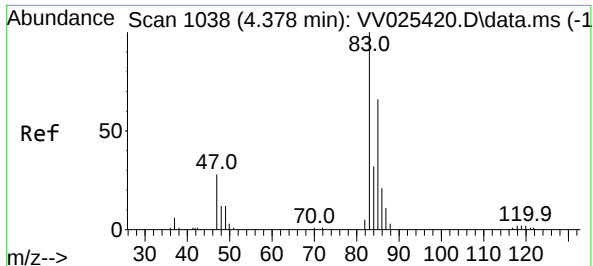
Ion Ratio Lower Upper

96 100

61 115.0 80.0 148.6

68 0.0 0.0 0.0





#25

Chloroform

Concen: 1.159 ug/L

RT: 4.381 min Scan# 1038

Delta R.T. 0.003 min

Lab File: VV025425.D

Acq: 08 Apr 2022 21:28

Instrument :

MSVOA_V

ClientSampleId :

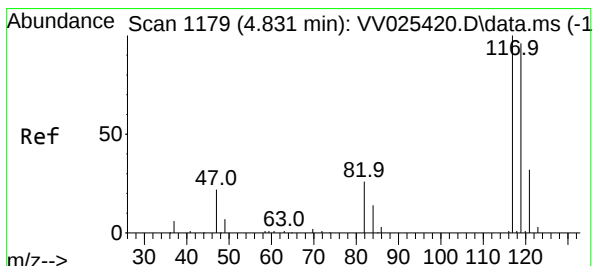
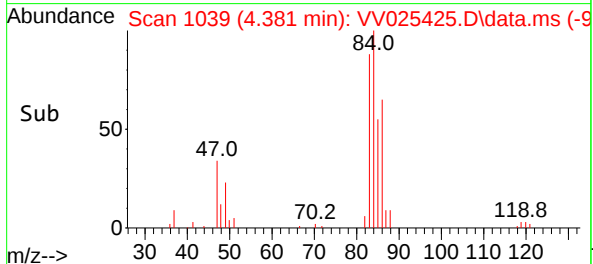
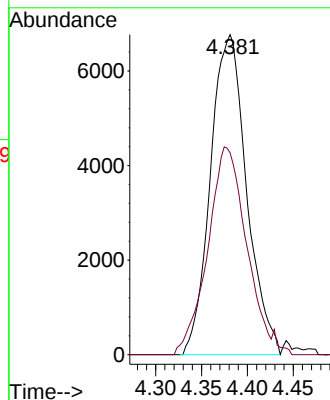
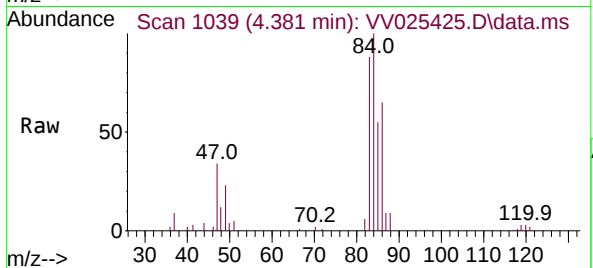
YB2H2

Tgt Ion: 83 Resp: 18587

Ion Ratio Lower Upper

83 100

85 63.1 43.5 80.7



#31

Carbon tetrachloride

Concen: 0.176 ug/L

RT: 4.831 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VV025425.D

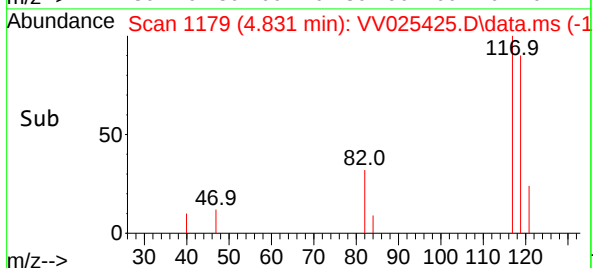
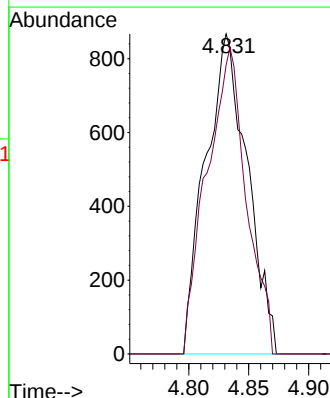
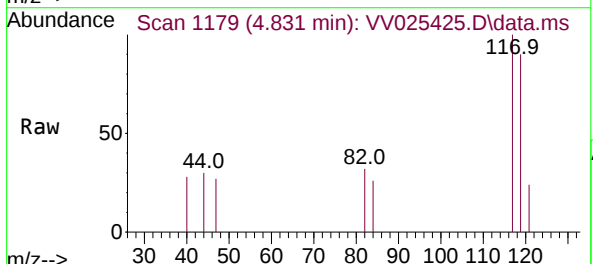
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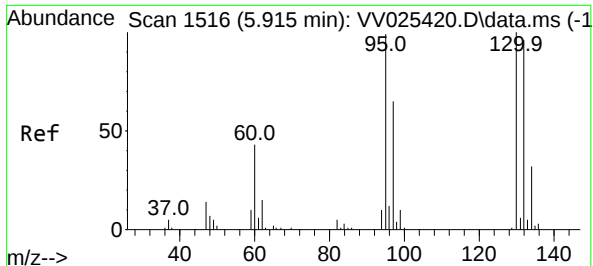
Tgt Ion: 117 Resp: 2103

Ion Ratio Lower Upper

117 100

119 90.5 76.6 114.8

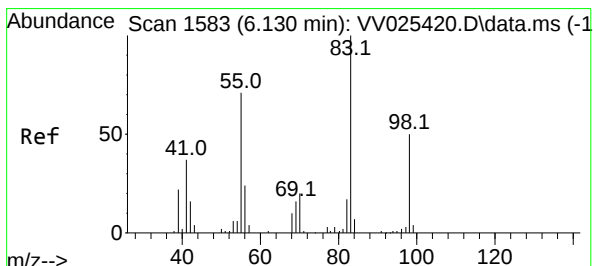
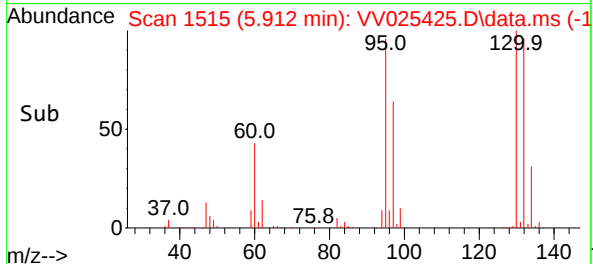
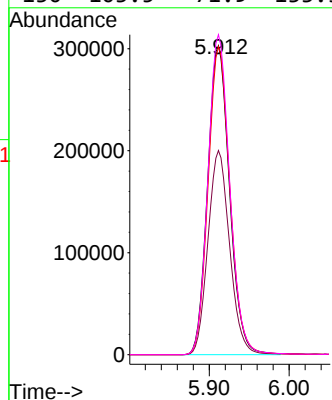
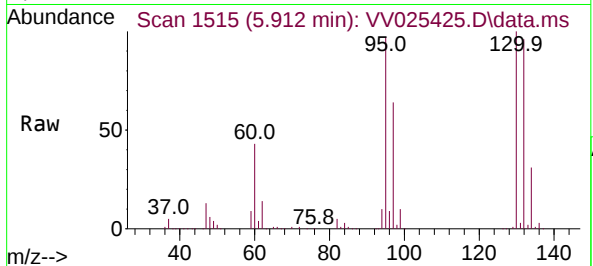




#34
Trichloroethene
Concen: 61.561 ug/L
RT: 5.912 min Scan# 1516
Delta R.T. -0.003 min
Lab File: VV025425.D
Acq: 08 Apr 2022 21:28

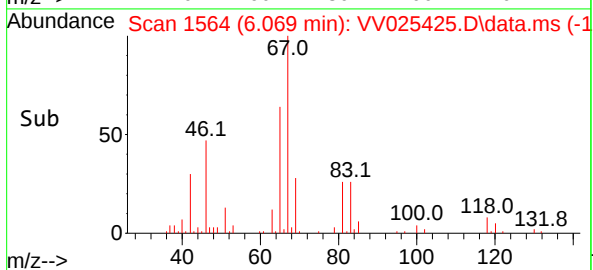
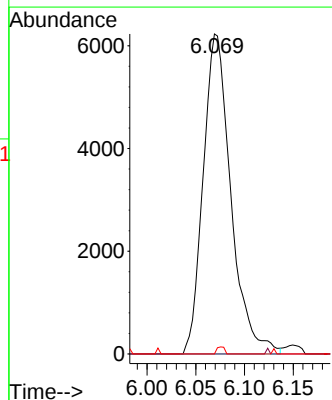
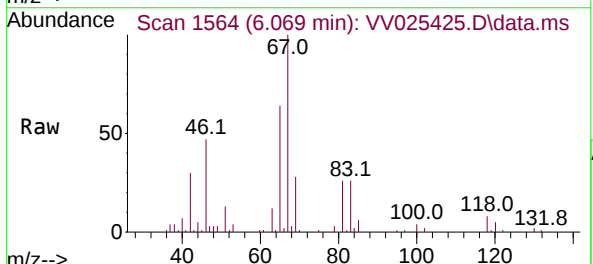
Instrument :
MSVOA_V
ClientSampleId :
YB2H2

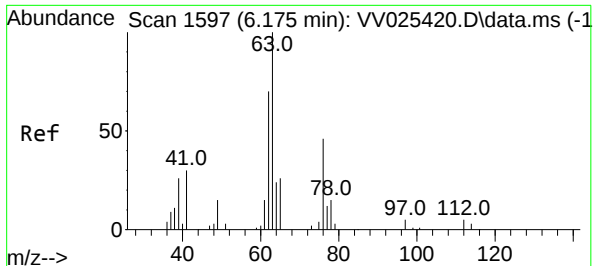
Tgt Ion: 95 Resp: 577110
Ion Ratio Lower Upper
95 100
97 66.1 45.8 85.2
132 99.8 68.0 126.4
130 103.5 71.9 133.5



#35
Methylcyclohexane
Concen: 0.823 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.061 min
Lab File: VV025425.D
Acq: 08 Apr 2022 21:28

Tgt Ion: 83 Resp: 12307
Ion Ratio Lower Upper
83 100
55 0.2 53.7 80.5#
98 0.0 39.6 59.4#





#37

1,2-Dichloropropane

Concen: 0.744 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV025425.D

Acq: 08 Apr 2022 21:28

Instrument :

MSVOA_V

ClientSampleId :

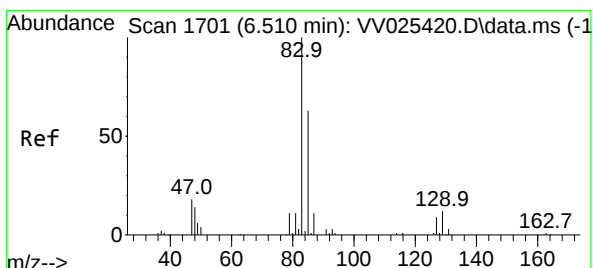
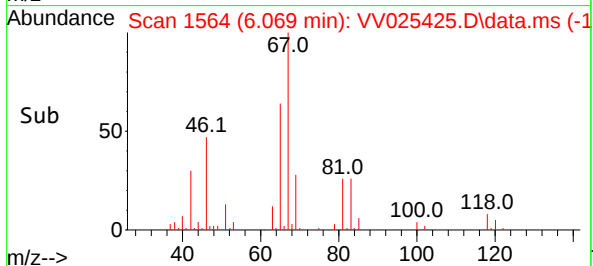
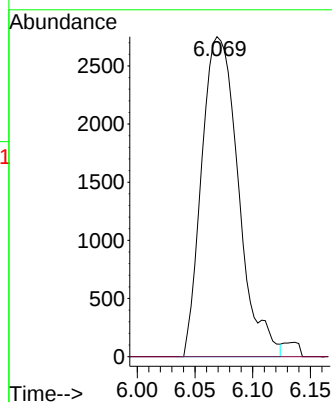
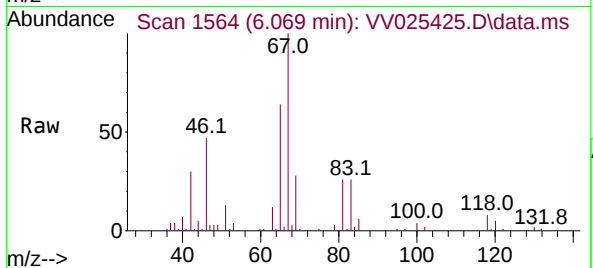
YB2H2

Tgt Ion: 63 Resp: 6077

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#38

Bromodichloromethane

Concen: 0.148 ug/L

RT: 6.519 min Scan# 1704

Delta R.T. 0.010 min

Lab File: VV025425.D

Acq: 08 Apr 2022 21:28

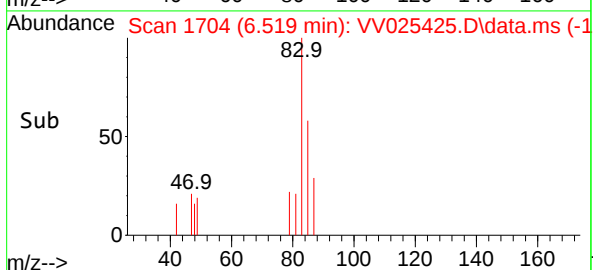
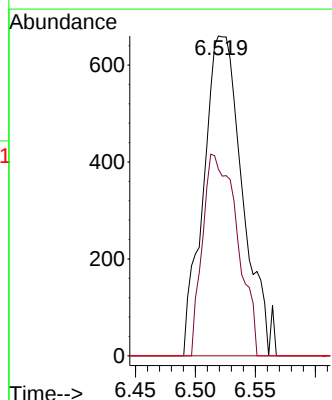
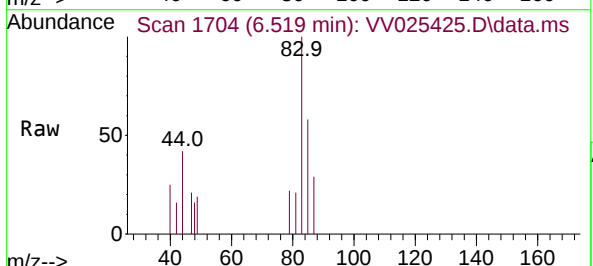
Tgt Ion: 83 Resp: 1502

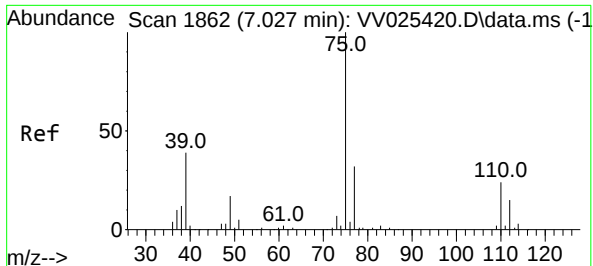
Ion Ratio Lower Upper

83 100

85 58.3 44.4 82.4

127 0.0 7.2 10.8#





#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.035 min

Lab File: VV025425.D

Acq: 08 Apr 2022 21:28

Instrument :

MSVOA_V

ClientSampleId :

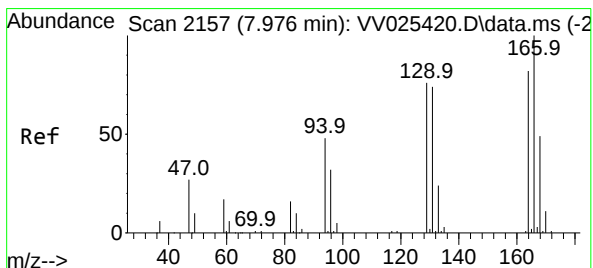
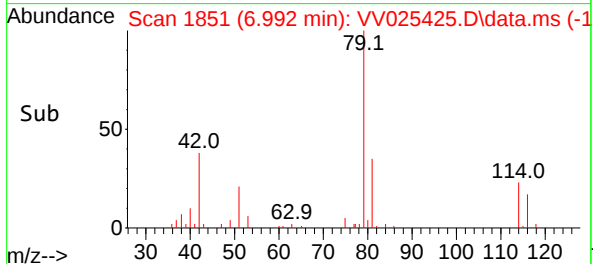
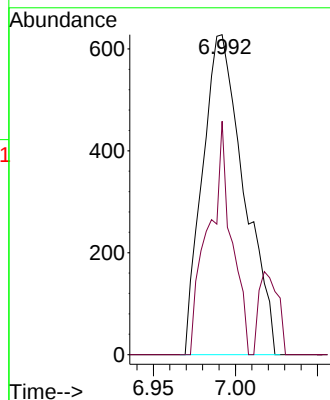
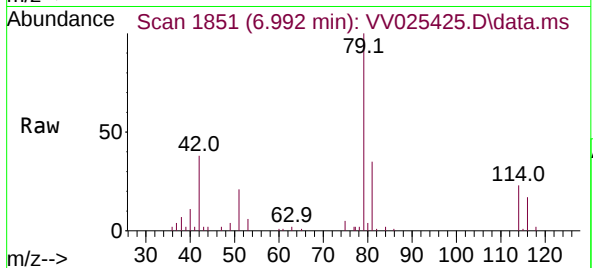
YB2H2

Tgt Ion: 75 Resp: 1102

Ion Ratio Lower Upper

75 100

77 72.9 21.8 40.6#



#47

Tetrachloroethene

Concen: 5.048 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV025425.D

Acq: 08 Apr 2022 21:28

Tgt Ion:164 Resp: 37049

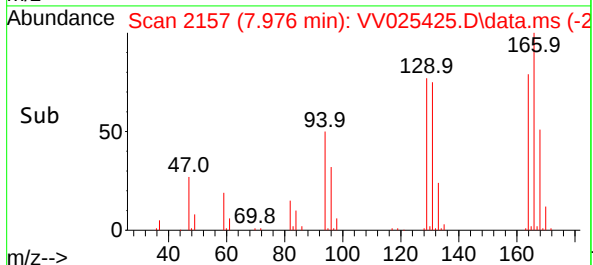
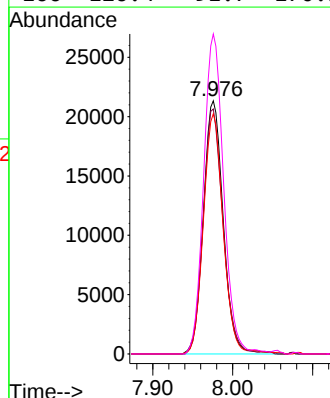
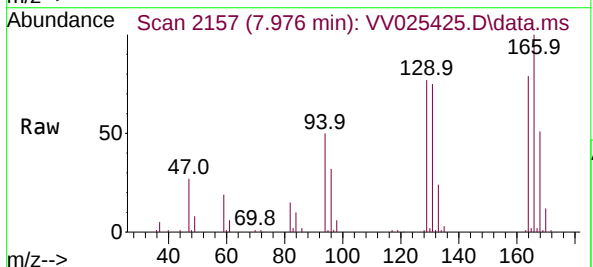
Ion Ratio Lower Upper

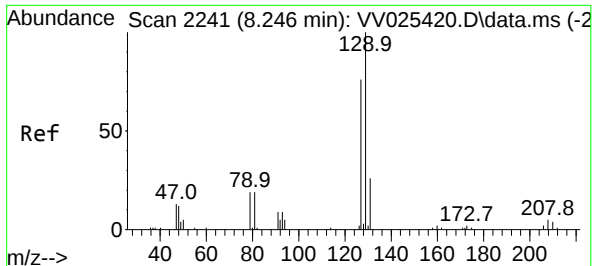
164 100

129 96.8 66.8 124.2

131 94.9 66.4 123.4

166 126.4 91.7 170.3





#49

Dibromochloromethane

Concen: 5.668 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV025425.D

Acq: 08 Apr 2022 21:28

Instrument :

MSVOA_V

ClientSampleId :

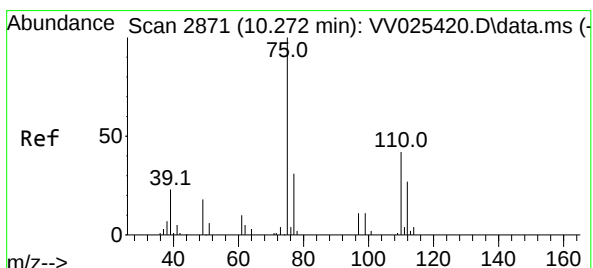
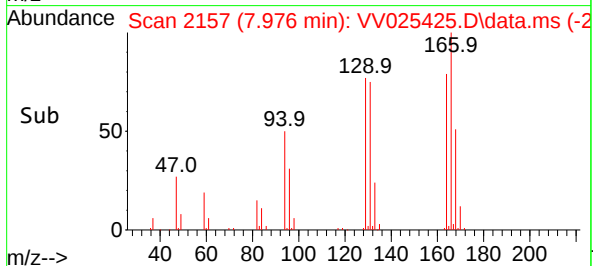
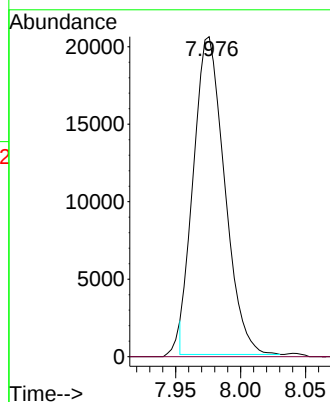
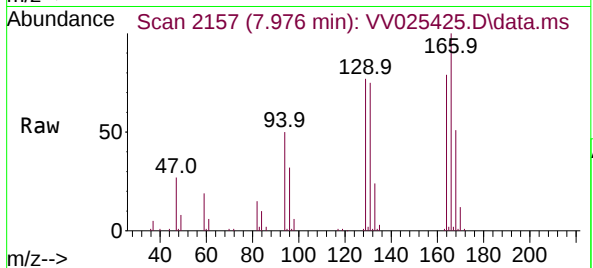
YB2H2

Tgt Ion:129 Resp: 34037

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#61

1,2,3-Trichloropropane

Concen: 1.924 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV025425.D

Acq: 08 Apr 2022 21:28

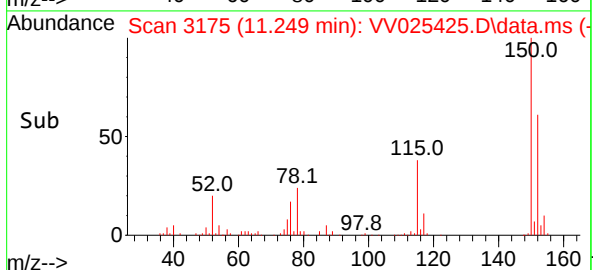
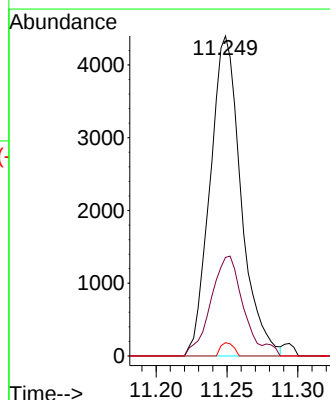
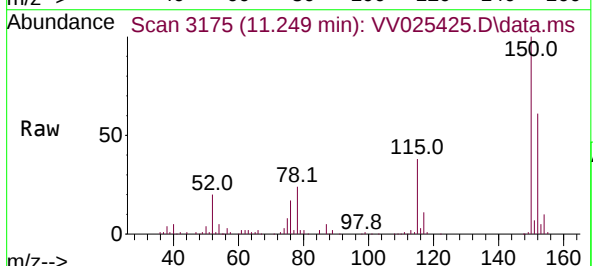
Tgt Ion: 75 Resp: 6684

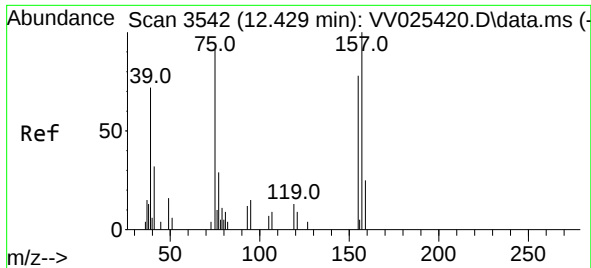
Ion Ratio Lower Upper

75 100

77 33.0 25.6 38.4

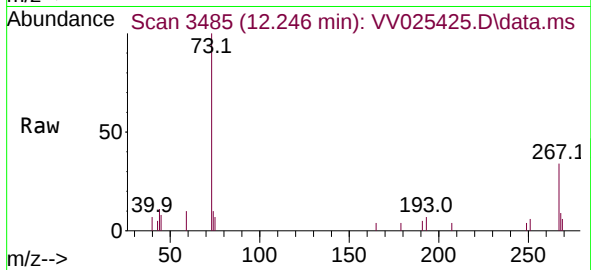
110 1.7 34.7 52.1#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.493 ug/L
 RT: 12.246 min Scan# 34
 Delta R.T. -0.183 min
 Lab File: VV025425.D
 Acq: 08 Apr 2022 21:28

Instrument :
 MSVOA_V
 ClientSampleId :
 YB2H2



Tgt Ion:	75	Resp:	296
Ion Ratio	Lower	Upper	
75	100		
155	0.0	65.8	98.8#
157	0.0	86.6	130.0#

