

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032622\
 Data File : VW025236.D
 Acq On : 27 Mar 2022 06:28
 Operator : SY/MD
 Sample : N2110-08
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0PC0

Quant Time: Mar 28 03:49:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Mar 28 03:13:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	147216	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	138693	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	59126	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	59497	4.327	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.600%
7) Chloroethane-d5	1.571	69	53275	4.616	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.111	63	93592	3.142	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.800%
20) 2-Butanone-d5	3.902	46	70099	51.175	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.360%
24) Chloroform-d	4.352	84	89523	4.988	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	5.037	65	41710	5.258	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.200%
32) Benzene-d6	5.050	84	182071	5.189	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.800%
36) 1,2-Dichloropropane-d6	6.069	67	50908	5.177	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.600%
41) Toluene-d8	7.317	98	156491	4.862	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
43) trans-1,3-Dichloroprop...	7.625	79	14042	4.377	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.088	63	65903	56.881	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.760%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	31187	4.756	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	51431	5.416	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.400%
Target Compounds						
5) Vinyl chloride	1.314	62	1598	0.082	ug/L #	32
12) 1,1-Dichloroethene	2.121	96	2021	0.136	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	1000	0.053	ug/L #	85
18) trans-1,2-Dichloroethene	2.767	96	1006	0.095	ug/L	86
22) cis-1,2-Dichloroethene	3.912	96	220466	20.399	ug/L	96
25) Chloroform	4.378	83	5734	0.291	ug/L	90
27) 1,2-Dichloroethane	5.060	62	1062	0.104	ug/L #	73
29) 1,1,1-Trichloroethane	4.606	97	308	0.018	ug/L #	48
34) Trichloroethene	5.915	95	58182	5.208	ug/L	99
35) Methylcyclohexane	6.072	83	13047	0.745	ug/L #	23
37) 1,2-Dichloropropane	6.069	63	6016	0.638	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1134	0.093	ug/L #	55
45) 1,1,2-Trichloroethane	7.992	97	288623	44.670	ug/L #	17
51) Chlorobenzene	8.889	112	2851	0.102	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.239	83	821	0.122	ug/L #	91
61) 1,2,3-Trichloropropane	11.249	75	8883	1.986	ug/L #	64
64) 1,3-Dichlorobenzene	11.272	146	3382	0.184	ug/L	91

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032622WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Mar 28 03:13:34 2022
Response via : Initial Calibration

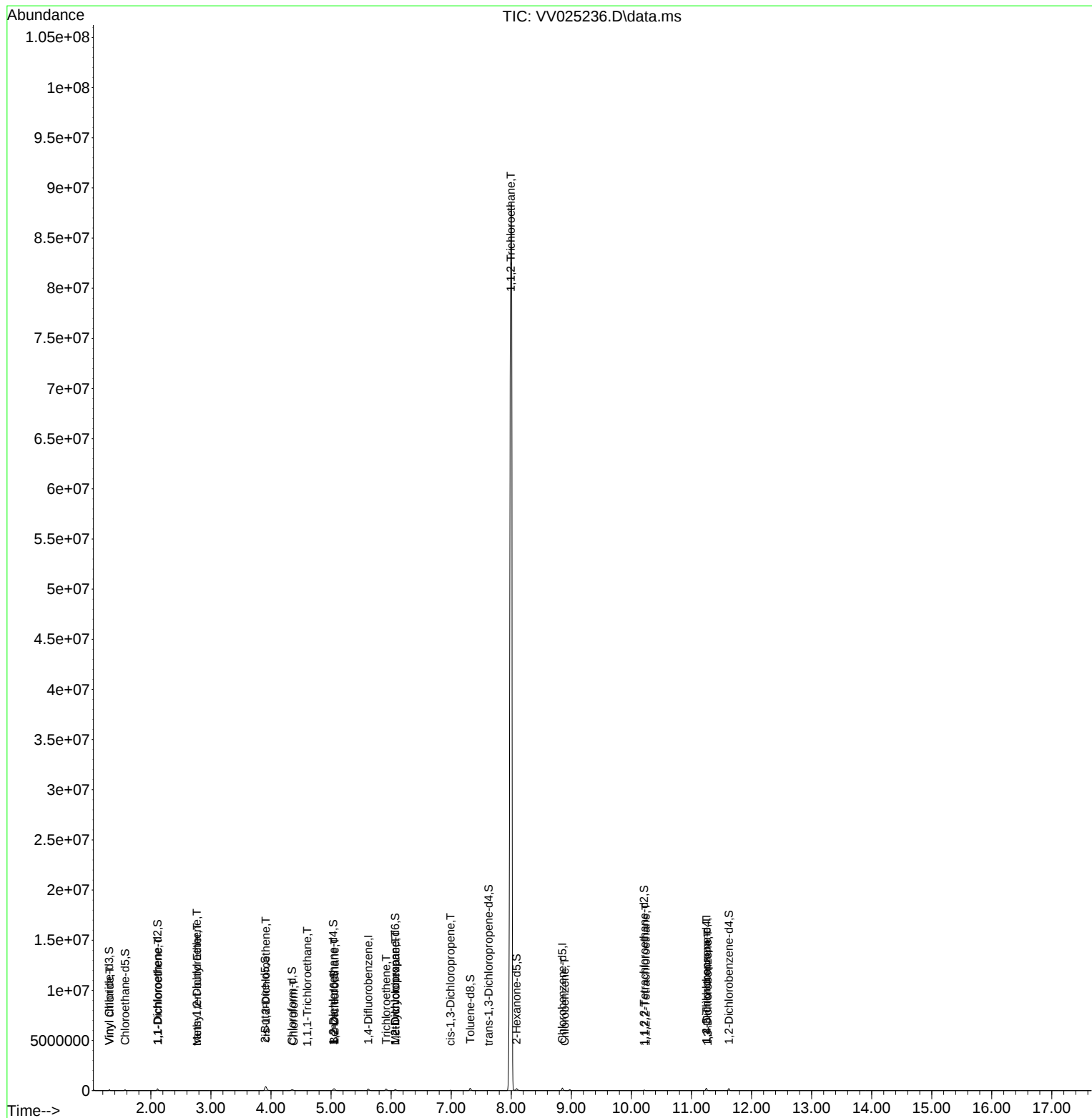
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

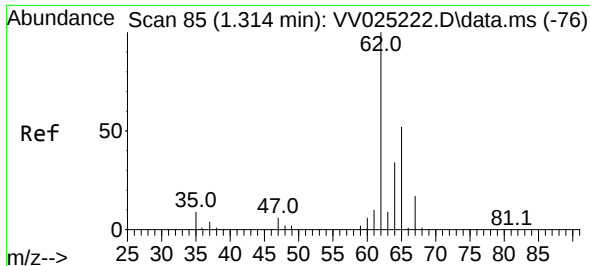
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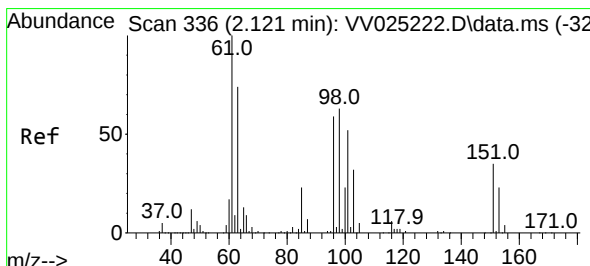
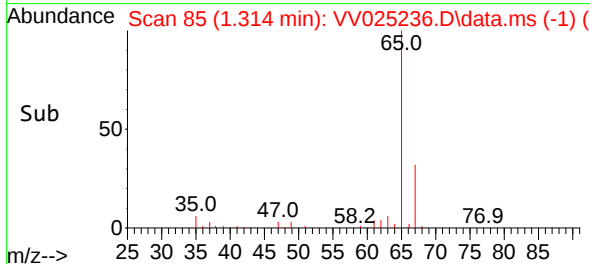
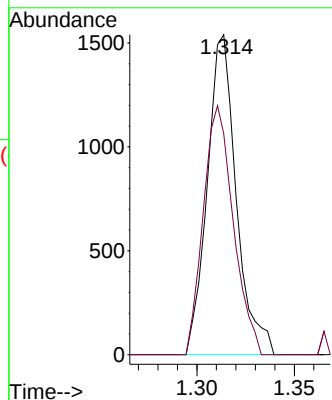
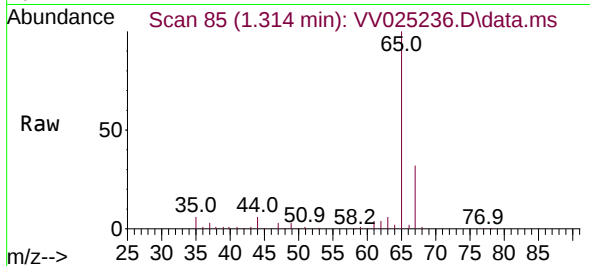




#5
 Vinyl chloride
 Concen: 0.082 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. 0.000 min
 Lab File: VV025236.D
 Acq: 27 Mar 2022 06:28

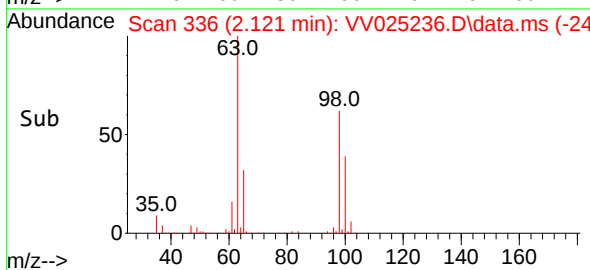
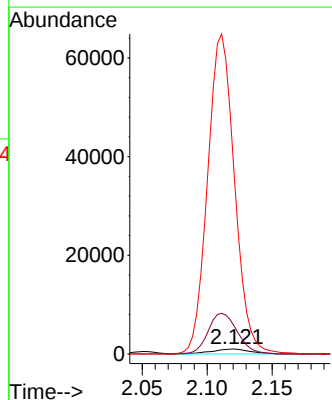
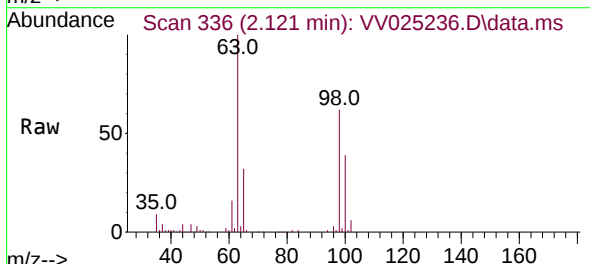
Instrument :
 MSVOA_V
 ClientSampleId :
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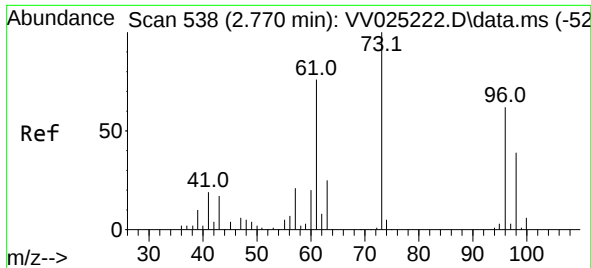
Tgt Ion: 62 Resp: 1598
 Ion Ratio Lower Upper
 62 100
 64 69.1 22.0 40.8#



#12
 1,1-Dichloroethene
 Concen: 0.136 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.000 min
 Lab File: VV025236.D
 Acq: 27 Mar 2022 06:28

Tgt Ion: 96 Resp: 2021
 Ion Ratio Lower Upper
 96 100
 61 565.1 121.5 225.7#
 63 3613.3 77.9 144.7#

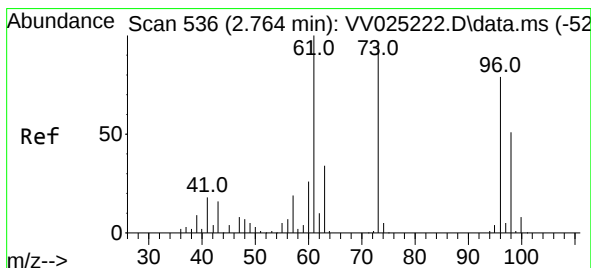
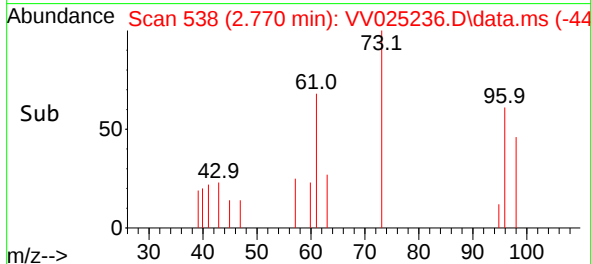
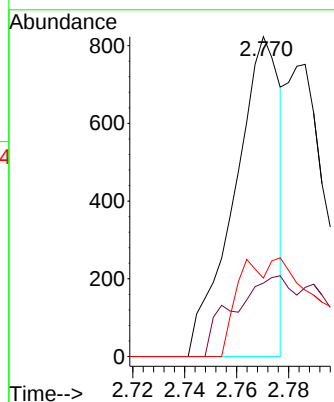
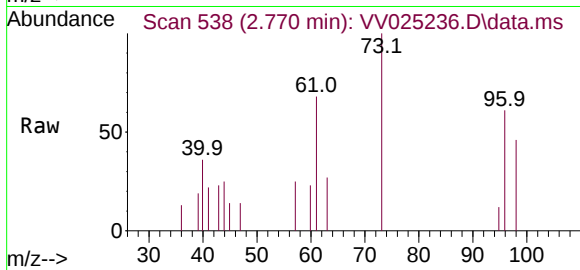




#17
Methyl tert-butyl Ether
Concen: 0.053 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV025236.D
Acq: 27 Mar 2022 06:28

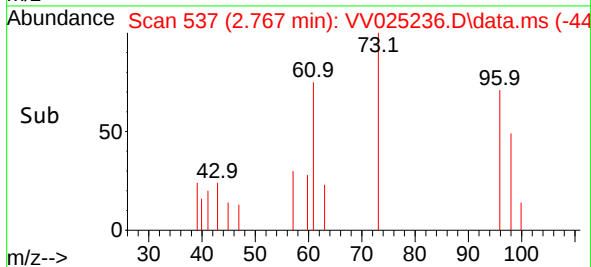
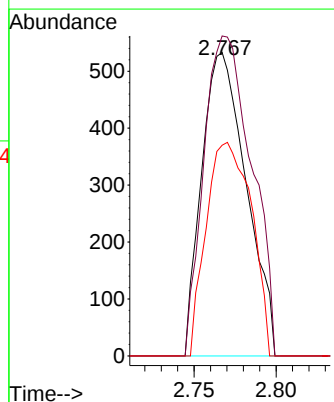
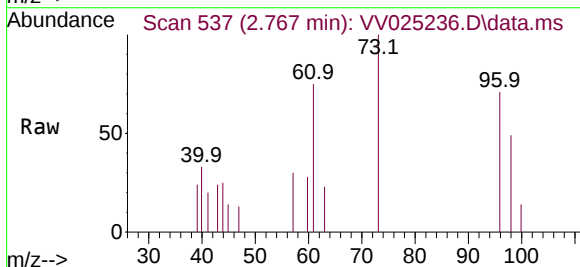
Instrument :
MSVOA_V
ClientSampleId :
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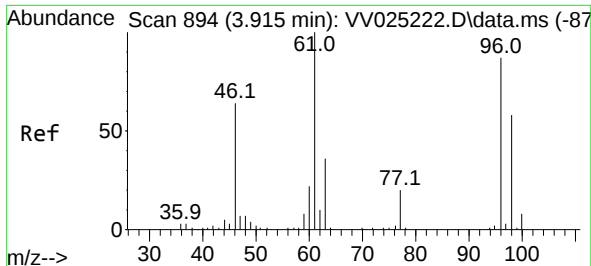
Tgt Ion: 73 Resp: 1000
Ion Ratio Lower Upper
73 100
43 4.3 13.5 20.3#
57 18.8 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 0.095 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.003 min
Lab File: VV025236.D
Acq: 27 Mar 2022 06:28

Tgt Ion: 96 Resp: 1006
Ion Ratio Lower Upper
96 100
61 105.4 87.6 162.8
98 69.4 44.0 81.8

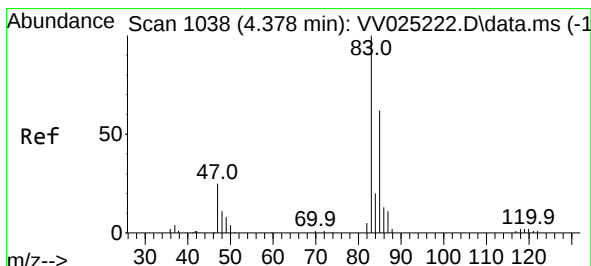
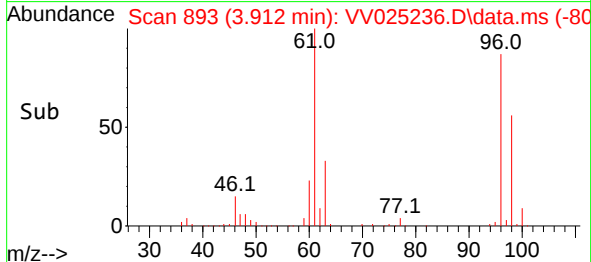
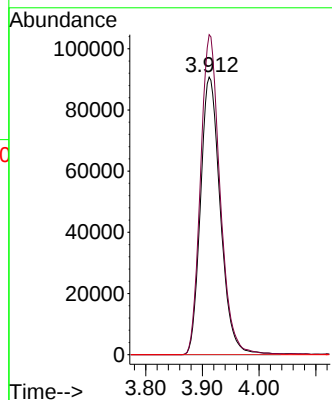
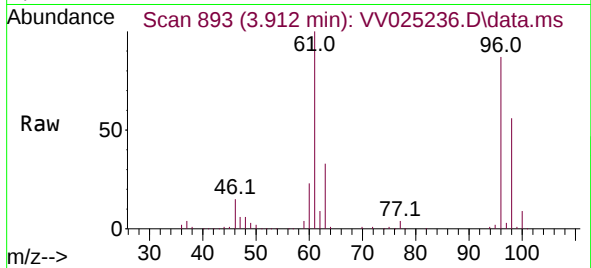




#22
 cis-1,2-Dichloroethene
 Concen: 20.399 ug/L
 RT: 3.912 min Scan# 894
 Delta R.T. -0.003 min
 Lab File: VV025236.D
 Acq: 27 Mar 2022 06:28

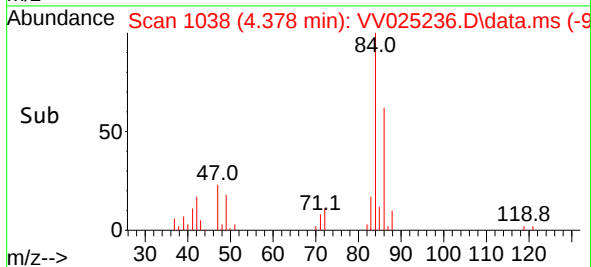
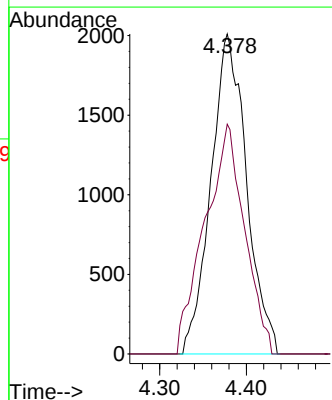
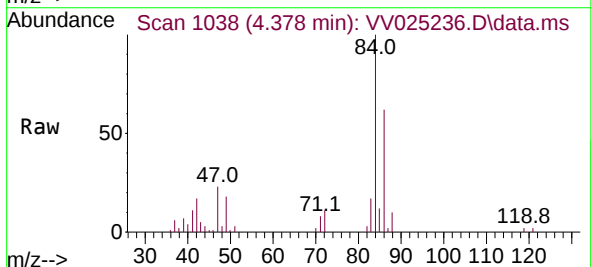
Instrument :
 MSVOA_V
 ClientSampleId :
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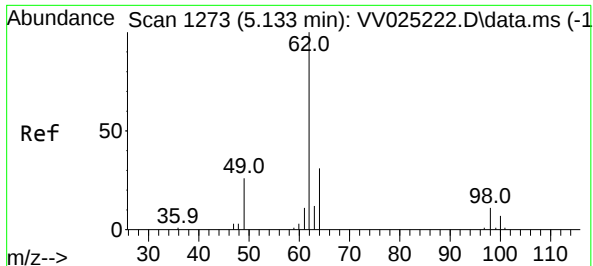
Tgt Ion: 96 Resp: 220466
 Ion Ratio Lower Upper
 96 100
 61 115.3 84.1 156.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.291 ug/L
 RT: 4.378 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VV025236.D
 Acq: 27 Mar 2022 06:28

Tgt Ion: 83 Resp: 5734
 Ion Ratio Lower Upper
 83 100
 85 71.8 44.7 82.9





#27

1,2-Dichloroethane

Concen: 0.104 ug/L

RT: 5.060 min Scan# 1109

Delta R.T. -0.074 min

Lab File: VV025236.D

Acq: 27 Mar 2022 06:28

Instrument :

MSVOA_V

ClientSampleId :

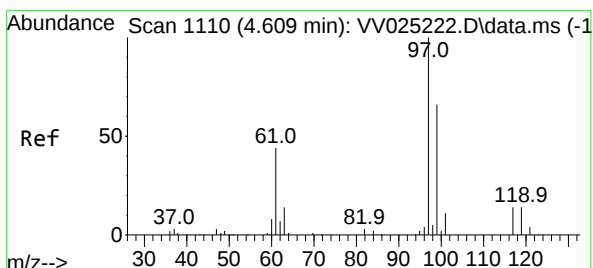
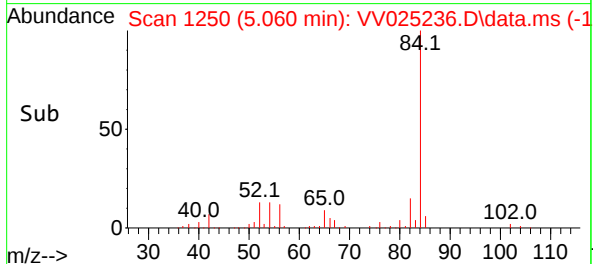
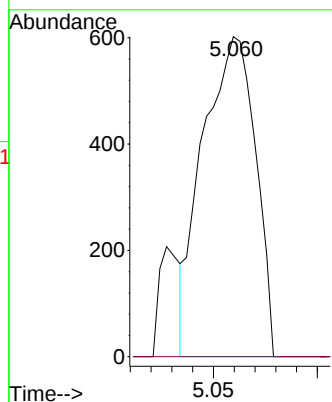
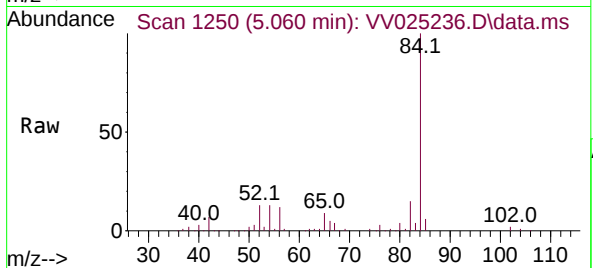
C0PC0

Tgt Ion: 62 Resp: 1062

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#29

1,1,1-Trichloroethane

Concen: 0.018 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.003 min

Lab File: VV025236.D

Acq: 27 Mar 2022 06:28

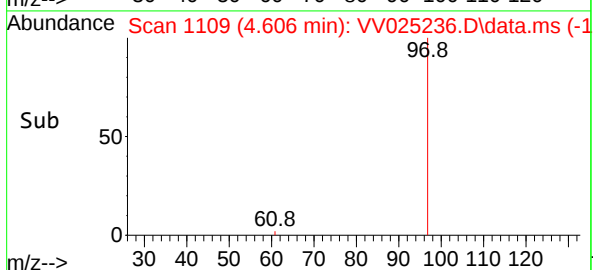
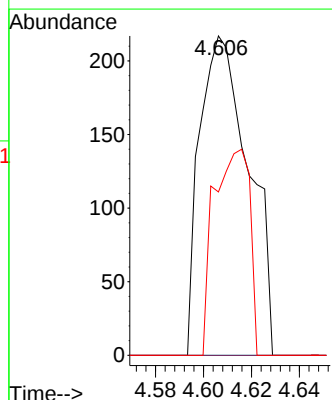
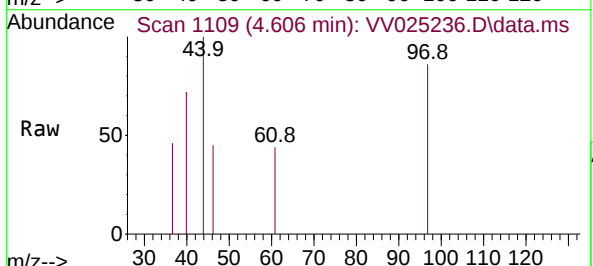
Tgt Ion: 97 Resp: 308

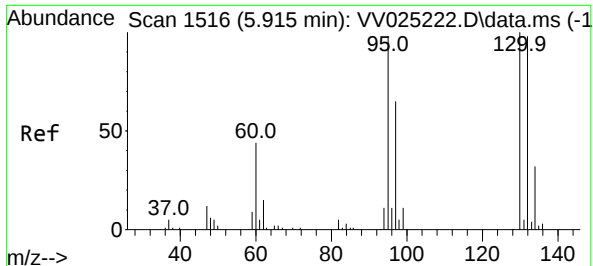
Ion Ratio Lower Upper

97 100

99 0.0 51.9 77.9#

61 47.1 34.2 51.2

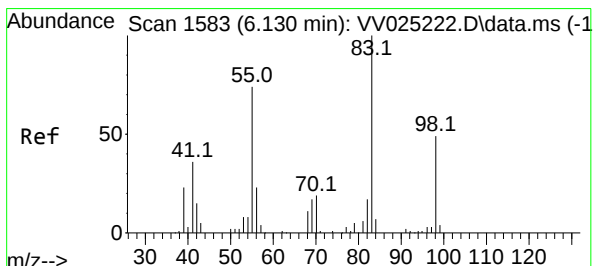
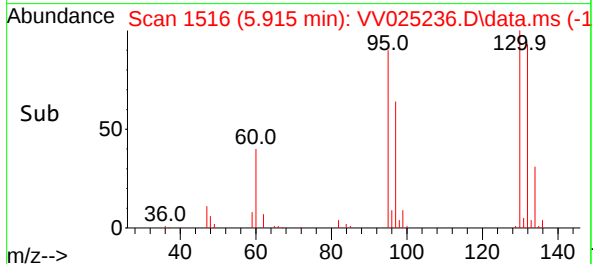
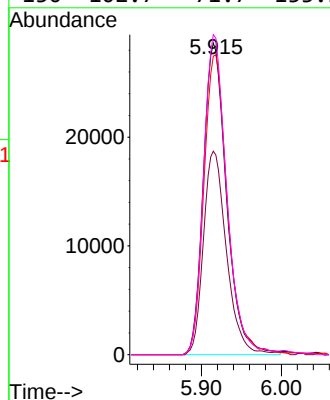
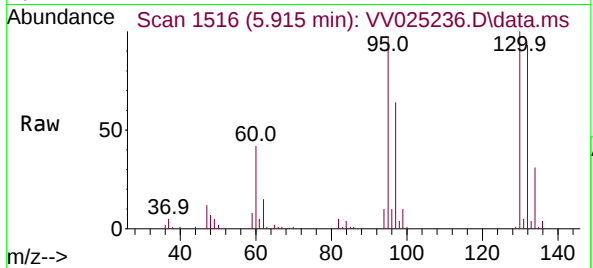




#34
Trichloroethene
Concen: 5.208 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VV025236.D
Acq: 27 Mar 2022 06:28

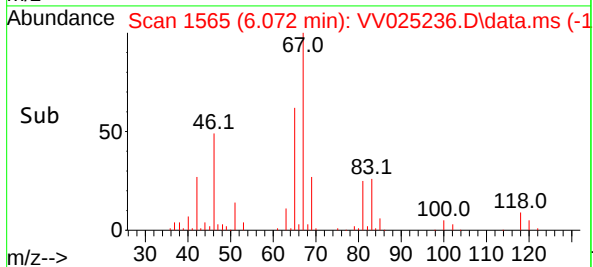
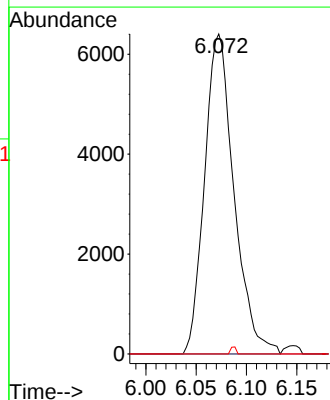
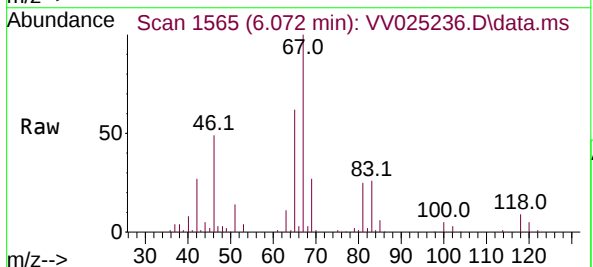
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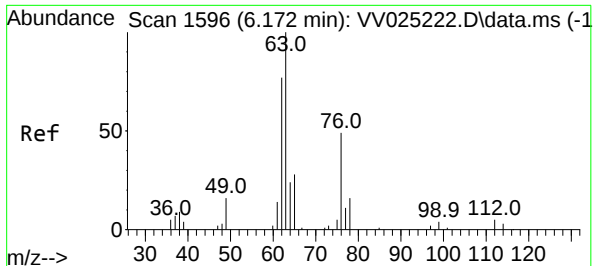
Tgt Ion: 95 Resp: 58182
Ion Ratio Lower Upper
95 100
97 65.3 46.3 85.9
132 95.8 65.2 121.2
130 102.7 71.7 133.1



#35
Methylcyclohexane
Concen: 0.745 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV025236.D
Acq: 27 Mar 2022 06:28

Tgt Ion: 83 Resp: 13047
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 3.4 39.8 59.6#





#37

1,2-Dichloropropane

Concen: 0.638 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV025236.D

Acq: 27 Mar 2022 06:28

Instrument :

MSVOA_V

ClientSampleId :

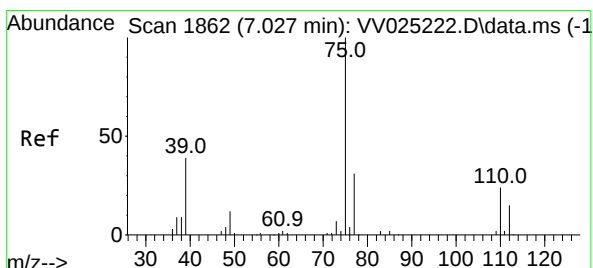
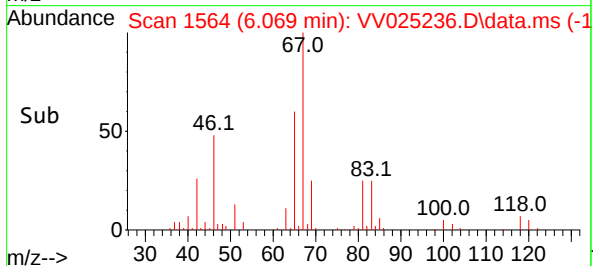
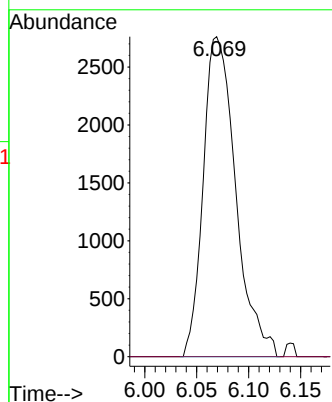
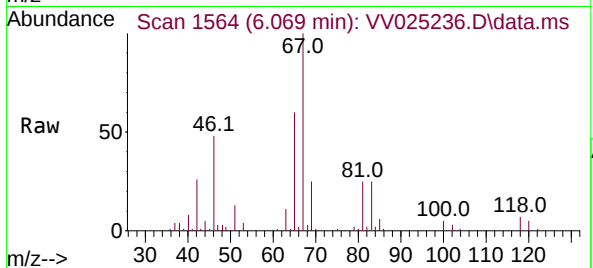
C0PC0

Tgt Ion: 63 Resp: 6016

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.2#



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.038 min

Lab File: VV025236.D

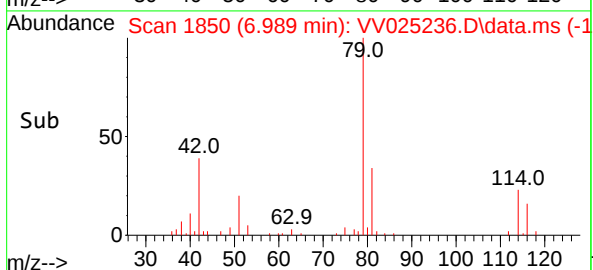
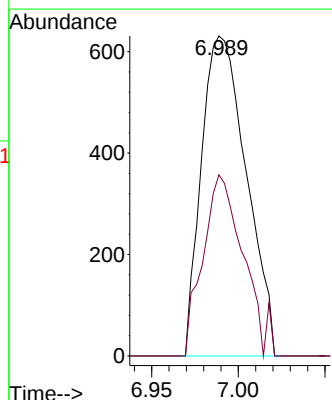
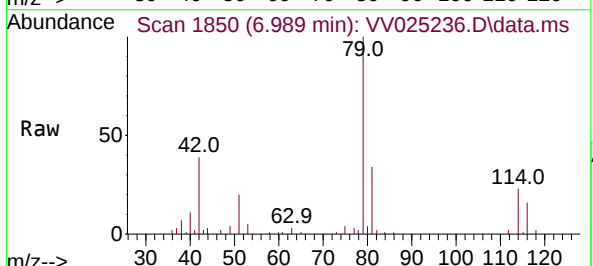
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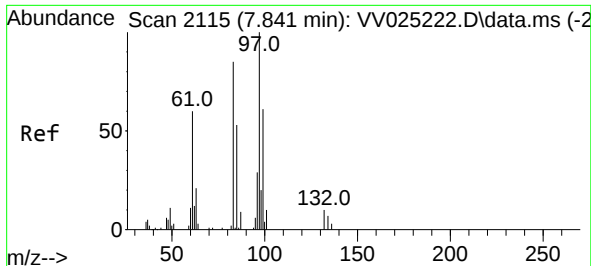
Tgt Ion: 75 Resp: 1134

Ion Ratio Lower Upper

75 100

77 56.6 22.1 41.1#

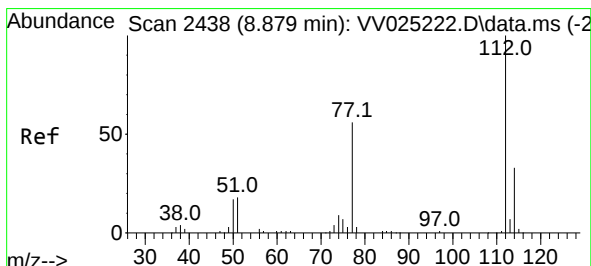
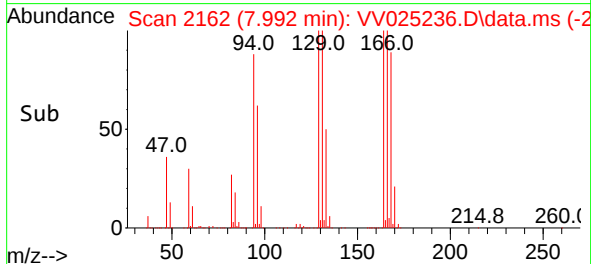
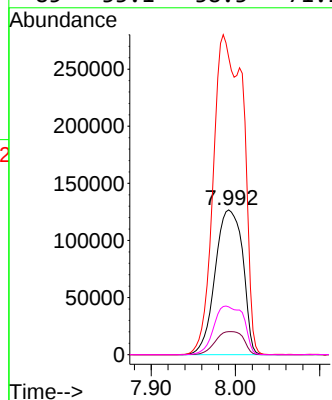
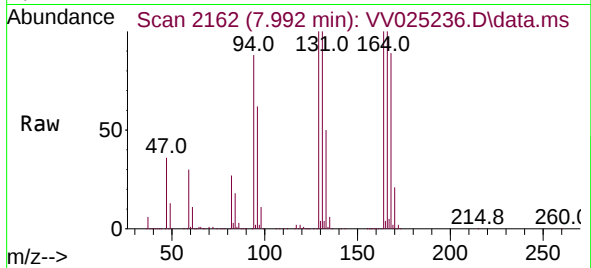




#45
1,1,2-Trichloroethane
Concen: 44.670 ug/L
RT: 7.992 min Scan# 2115
Delta R.T. 0.151 min
Lab File: VV025236.D
Acq: 27 Mar 2022 06:28

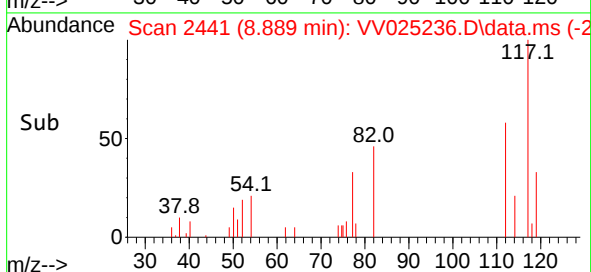
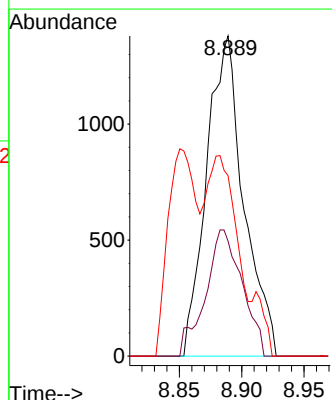
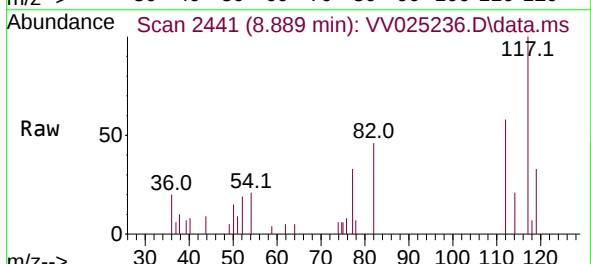
Instrument :
MSVOA_V
ClientSampleId :
C0PC0

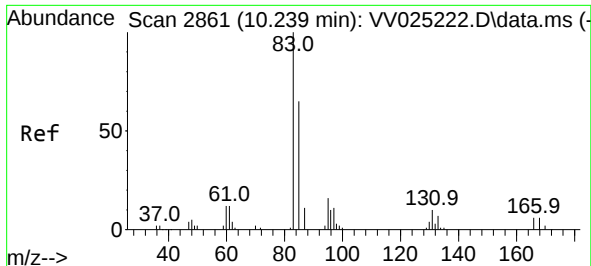
Tgt Ion: 97 Resp: 288623
Ion Ratio Lower Upper
97 100
99 15.9 43.3 80.5#
83 205.4 58.0 107.6#
85 33.1 38.3 71.1#



#51
Chlorobenzene
Concen: 0.102 ug/L
RT: 8.889 min Scan# 2441
Delta R.T. 0.010 min
Lab File: VV025236.D
Acq: 27 Mar 2022 06:28

Tgt Ion: 112 Resp: 2851
Ion Ratio Lower Upper
112 100
114 35.9 21.9 40.7
77 56.4 44.2 66.4





#57

1,1,2,2-Tetrachloroethane

Concen: 0.122 ug/L

RT: 10.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV025236.D

Acq: 27 Mar 2022 06:28

Instrument :

MSVOA_V

ClientSampleId :

C0PC0

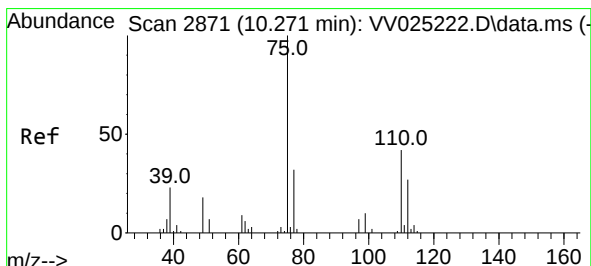
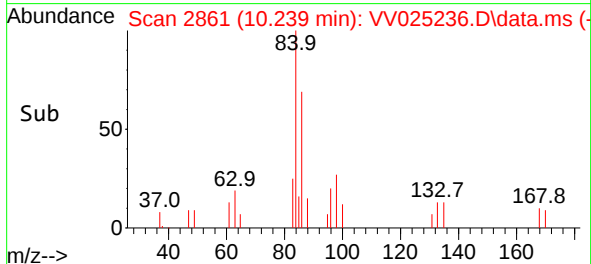
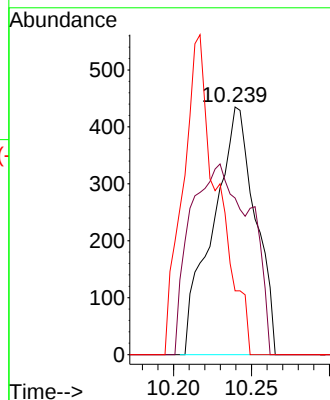
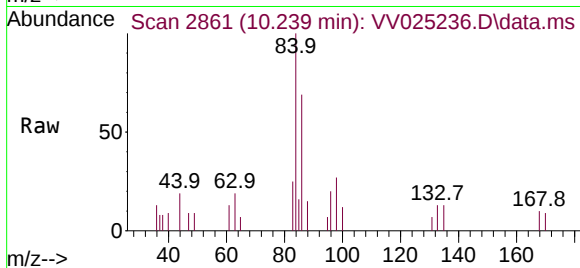
Tgt Ion: 83 Resp: 821

Ion Ratio Lower Upper

83 100

85 63.2 46.2 85.8

131 25.7 8.1 12.1#



#61

1,2,3-Trichloropropane

Concen: 1.986 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.978 min

Lab File: VV025236.D

Acq: 27 Mar 2022 06:28

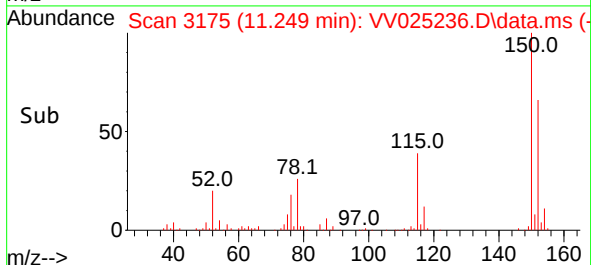
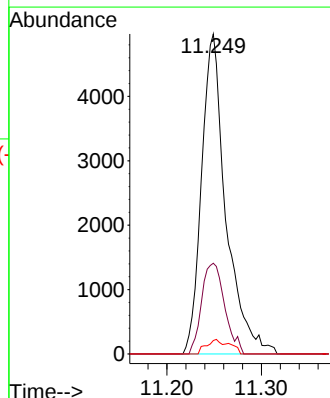
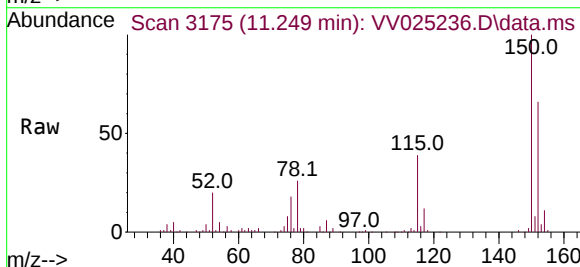
Tgt Ion: 75 Resp: 8883

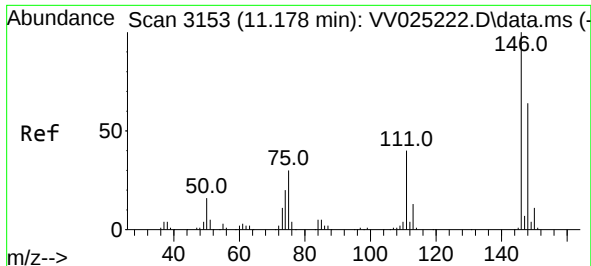
Ion Ratio Lower Upper

75 100

77 26.8 25.8 38.6

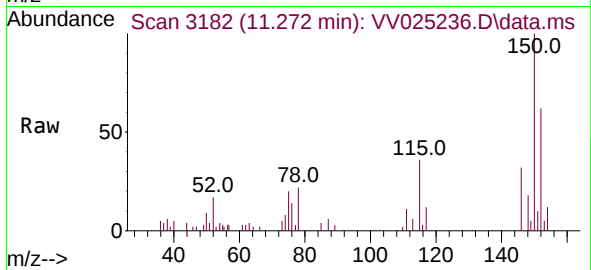
110 4.3 31.6 47.4#





#64
 1,3-Dichlorobenzene
 Concen: 0.184 ug/L
 RT: 11.272 min Scan# 31
 Delta R.T. 0.093 min
 Lab File: VV025236.D
 Acq: 27 Mar 2022 06:28

Instrument :
 MSVOA_V
 ClientSampleId :
 C0PC0



Tgt Ion:	146	Resp:	3382
Ion	Ratio	Lower	Upper
146	100		
111	33.5	29.0	53.8
148	57.6	44.0	81.8

