

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032322\
 Data File : VW025140.D
 Acq On : 23 Mar 2022 18:40
 Operator : SY/MD
 Sample : N2083-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW607

Quant Time: Mar 24 01:18:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 24 01:12:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	124538	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	119493	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	57508	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	39489	4.016	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.400%
7) Chloroethane-d5	1.571	69	35335	4.908	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.200%
11) 1,1-Dichloroethene-d2	2.111	63	54639	3.438	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.800%
20) 2-Butanone-d5	3.895	46	90725	76.352	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	152.700%#
24) Chloroform-d	4.349	84	84933	5.208	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
26) 1,2-Dichloroethane-d4	5.034	65	37472	5.496	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.000%
32) Benzene-d6	5.053	84	166992	4.818	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	6.069	67	53984	5.416	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.400%
41) Toluene-d8	7.317	98	142468	4.510	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	7.625	79	15478	4.454	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.088	63	73849	62.307	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.620%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	36531	6.230	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	124.600%#
66) 1,2-Dichlorobenzene-d4	11.622	152	53924	5.539	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	1797	0.163	ug/L	91
5) Vinyl chloride	1.314	62	16356	1.494	ug/L	92
8) Chloroethane	1.587	64	411726	62.014	ug/L	99
12) 1,1-Dichloroethene	2.114	96	1217	0.153	ug/L #	1
14) Carbon disulfide	2.297	76	2952	0.104	ug/L	100
17) Methyl tert-butyl Ether	2.770	73	5444	0.315	ug/L #	86
18) trans-1,2-Dichloroethene	2.767	96	6690	0.701	ug/L	99
19) 1,1-Dichloroethane	3.191	63	477461	29.383	ug/L	99
22) cis-1,2-Dichloroethene	3.915	96	29605	3.071	ug/L	95
29) 1,1,1-Trichloroethane	4.609	97	249607	16.380	ug/L	98
30) Cyclohexane	4.680	56	3057	0.206	ug/L	95
33) Benzene	5.104	78	2456	0.063	ug/L	100
34) Trichloroethene	5.915	95	94446	9.126	ug/L	99
35) Methylcyclohexane	6.127	83	11949	0.729	ug/L	96
47) Tetrachloroethene	7.976	164	43374	5.958	ug/L	98
52) Ethylbenzene	9.017	91	23181	0.539	ug/L	95
60) Isopropylbenzene	9.931	105	108286	2.497	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	9612	0.488	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	25216	1.513	ug/L	99

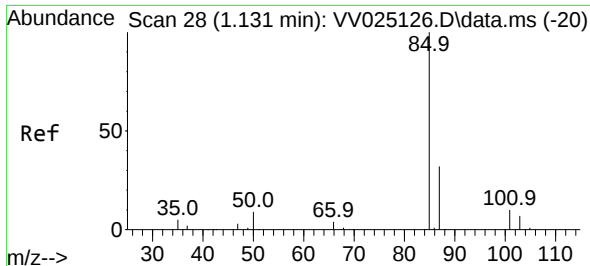
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032322\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

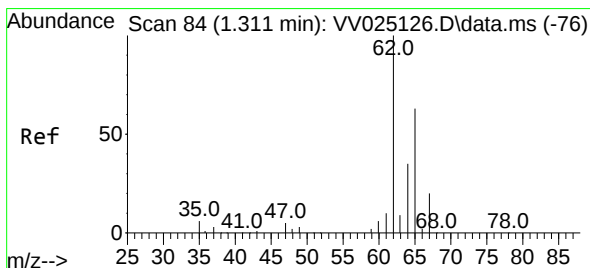
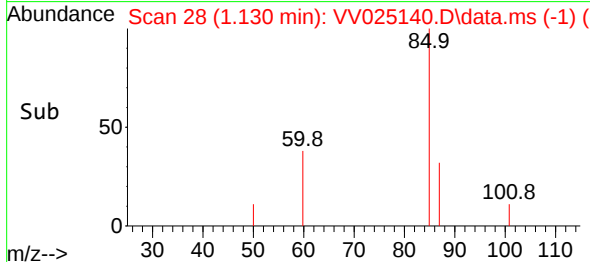
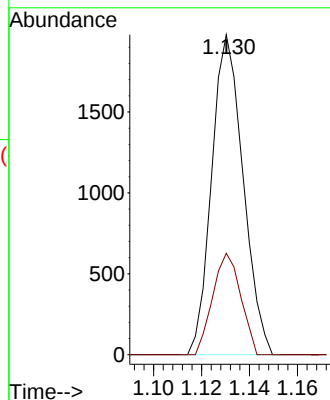
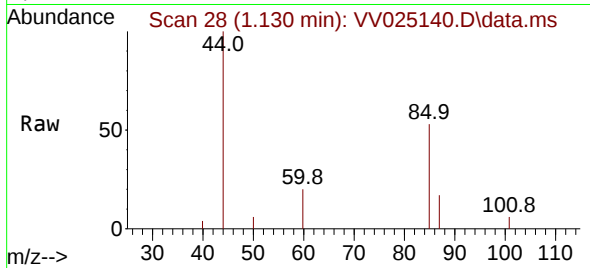
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.163 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV025140.D
 Acq: 23 Mar 2022 18:40

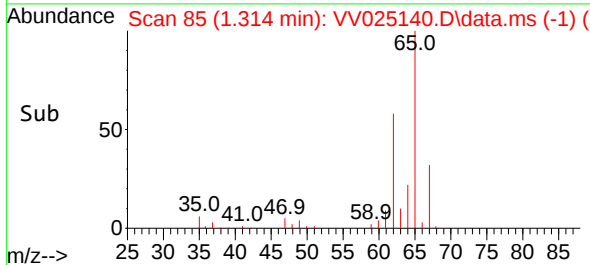
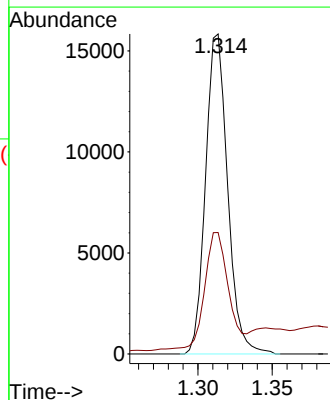
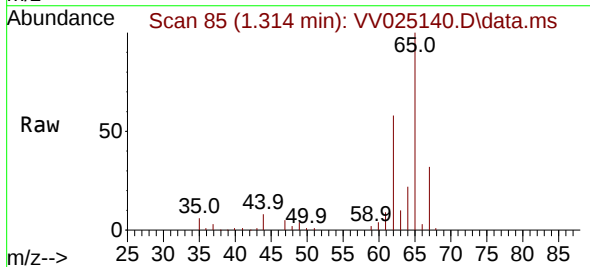
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 MSVOA_V
 ClientSampleId :
 EW607

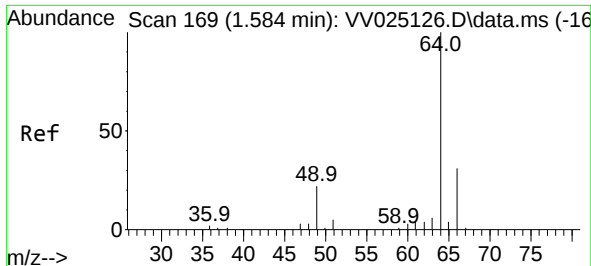
Tgt Ion: 85 Resp: 1797
 Ion Ratio Lower Upper
 85 100
 87 28.2 26.7 40.1



#5
 Vinyl chloride
 Concen: 1.494 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. 0.003 min
 Lab File: VV025140.D
 Acq: 23 Mar 2022 18:40

Tgt Ion: 62 Resp: 16356
 Ion Ratio Lower Upper
 62 100
 64 37.9 23.4 43.4





#8

Chloroethane

Concen: 62.014 ug/L

RT: 1.587 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV025140.D

Acq: 23 Mar 2022 18:40

Instrument :

MSVOA_V

ClientSampleId :

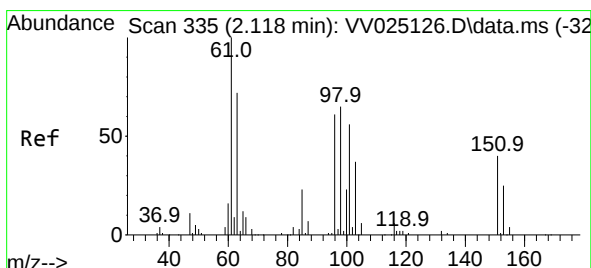
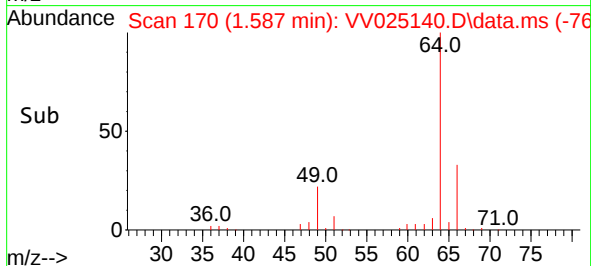
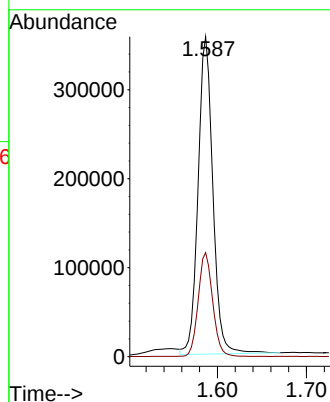
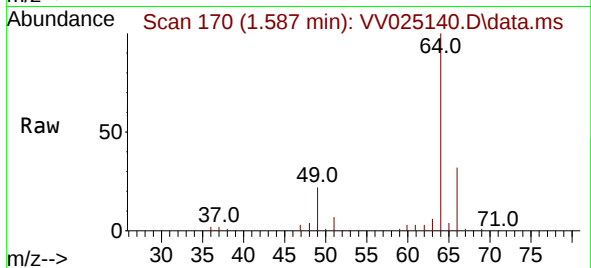
EW607

Tgt Ion: 64 Resp: 411726

Ion Ratio Lower Upper

64 100

66 32.5 22.5 41.7



#12

1,1-Dichloroethene

Concen: 0.153 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.003 min

Lab File: VV025140.D

Acq: 23 Mar 2022 18:40

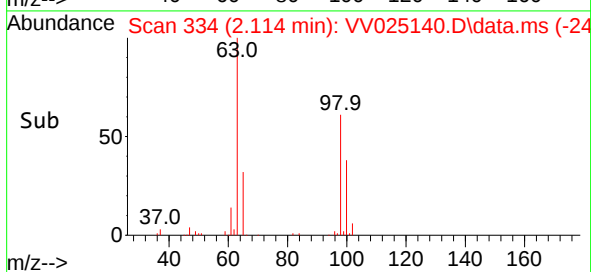
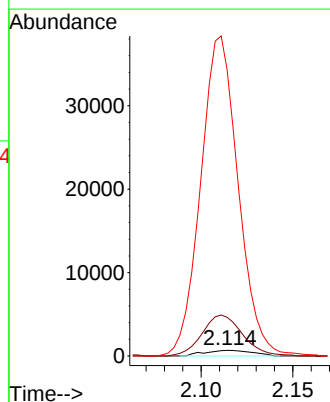
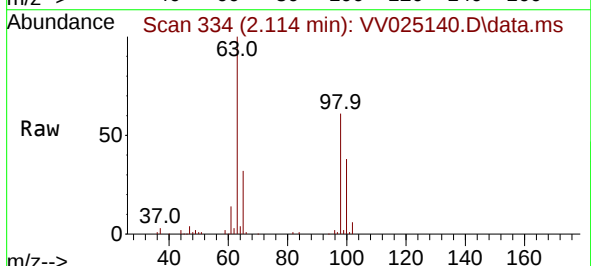
Tgt Ion: 96 Resp: 1217

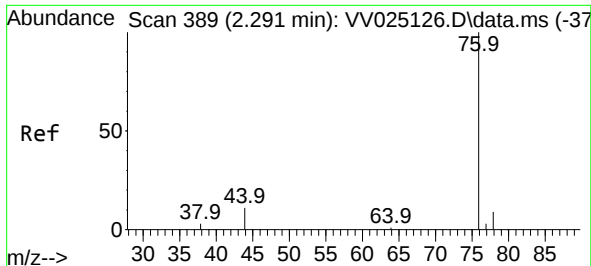
Ion Ratio Lower Upper

96 100

61 684.4 113.0 209.9#

63 5061.6 82.1 152.5#

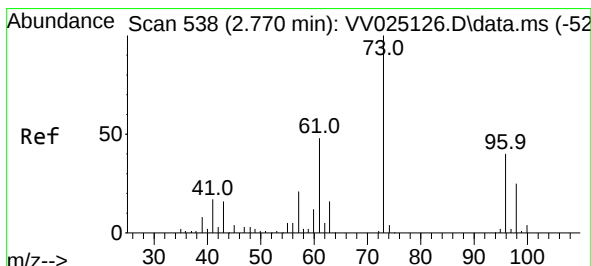
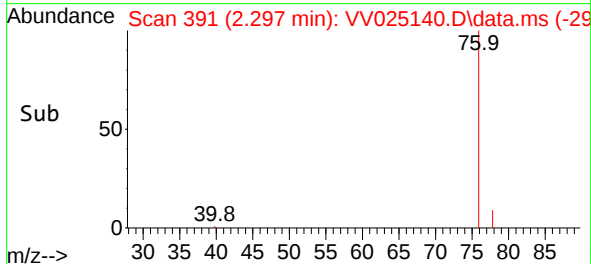
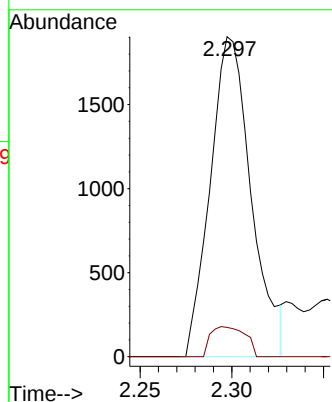
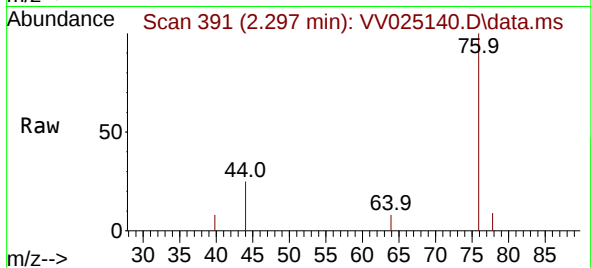




#14
Carbon disulfide
Concen: 0.104 ug/L
RT: 2.297 min Scan# 391
Delta R.T. 0.006 min
Lab File: VV025140.D
Acq: 23 Mar 2022 18:40

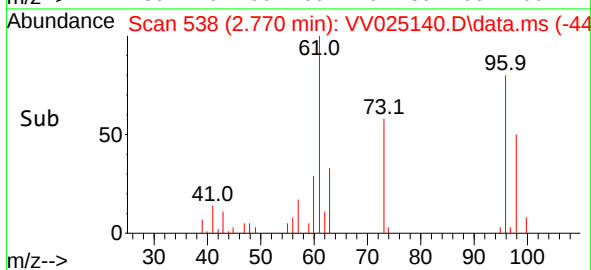
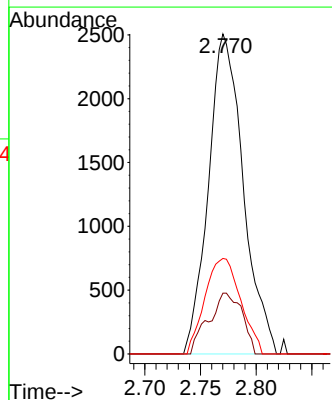
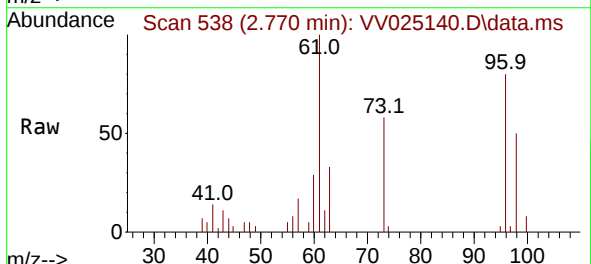
Instrument :
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ClientSampleId :
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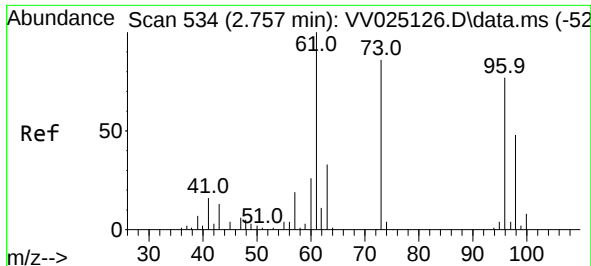
Tgt Ion: 76 Resp: 2952
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#17
Methyl tert-butyl Ether
Concen: 0.315 ug/L
RT: 2.770 min Scan# 538
Delta R.T. -0.000 min
Lab File: VV025140.D
Acq: 23 Mar 2022 18:40

Tgt Ion: 73 Resp: 5444
Ion Ratio Lower Upper
73 100
43 18.3 13.2 19.8
57 30.6 16.7 25.1#

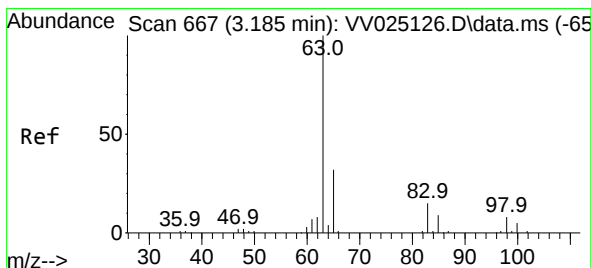
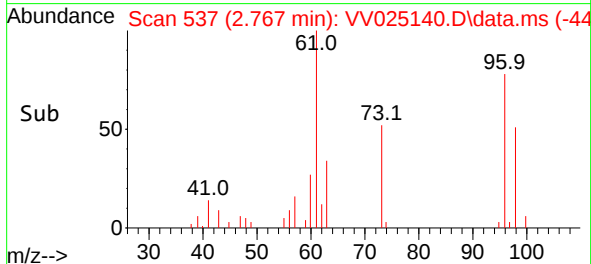
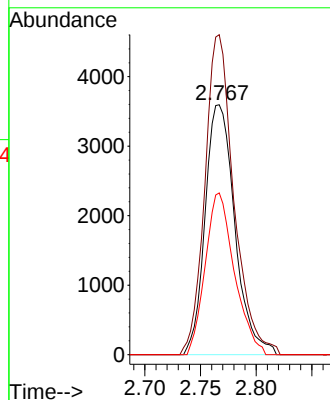
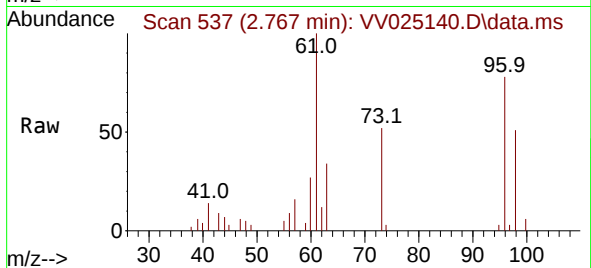




#18
trans-1,2-Dichloroethene
Concen: 0.701 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.009 min
Lab File: VV025140.D
Acq: 23 Mar 2022 18:40

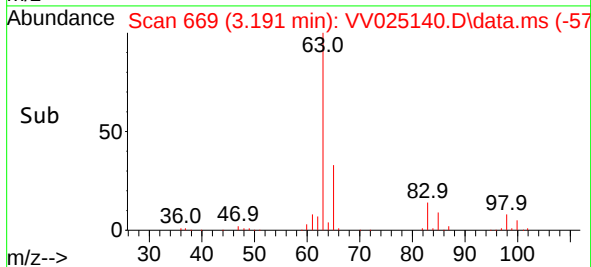
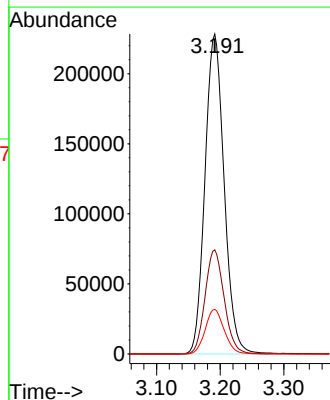
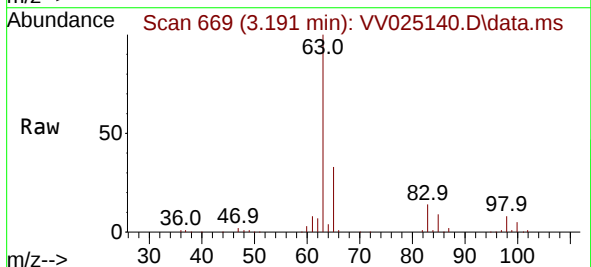
Instrument :
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ClientSampleId :
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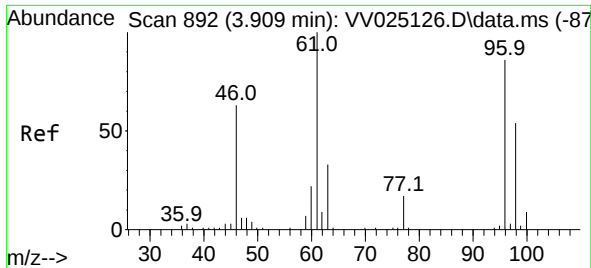
Tgt Ion: 96 Resp: 6690
Ion Ratio Lower Upper
96 100
61 128.0 89.2 165.6
98 64.7 43.9 81.5



#19
1,1-Dichloroethane
Concen: 29.383 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.006 min
Lab File: VV025140.D
Acq: 23 Mar 2022 18:40

Tgt Ion: 63 Resp: 477461
Ion Ratio Lower Upper
63 100
65 32.5 22.2 41.2
83 13.9 9.4 17.4

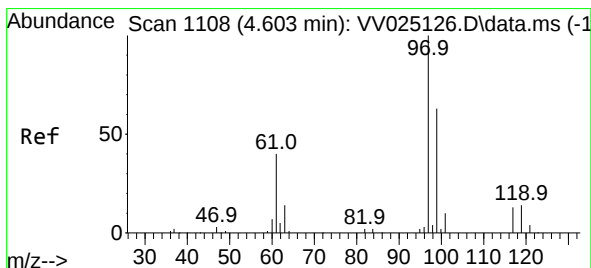
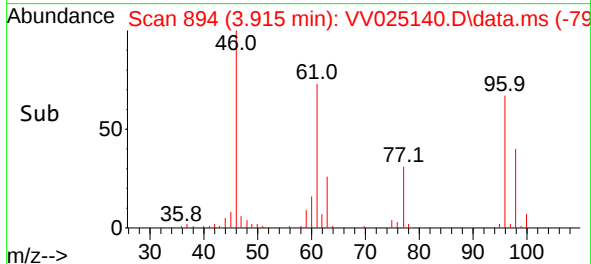
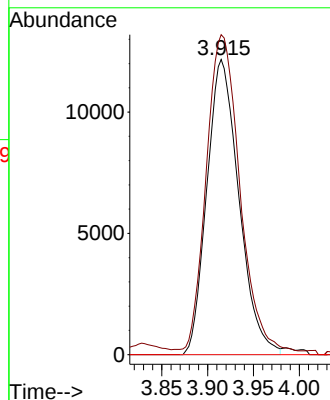
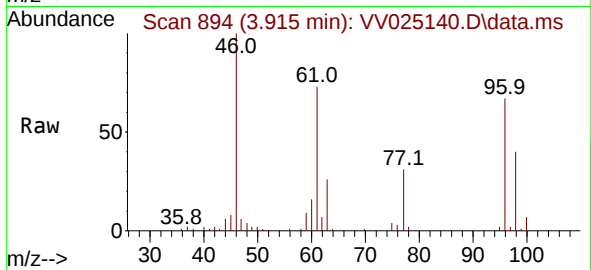




#22
 cis-1,2-Dichloroethene
 Concen: 3.071 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. 0.006 min
 Lab File: VV025140.D
 Acq: 23 Mar 2022 18:40

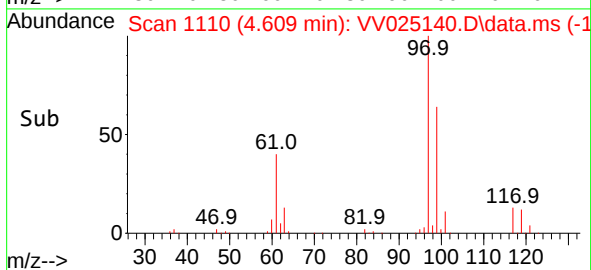
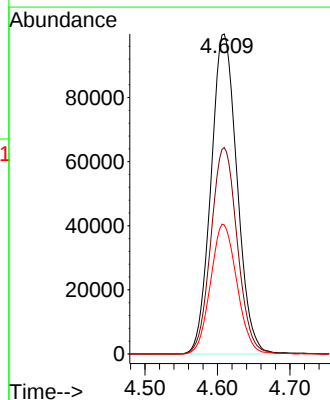
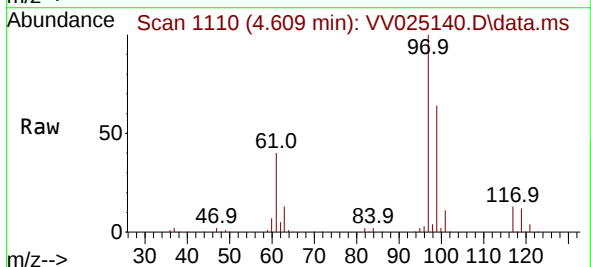
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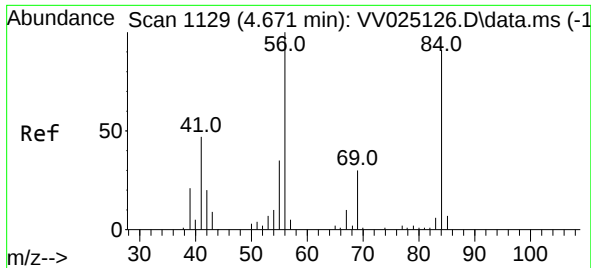
Tgt Ion:	96	Resp:	29605
Ion	Ratio	Lower	Upper
96	100		
61	108.4	79.7	147.9
68	0.0	0.0	0.0



#29
 1,1,1-Trichloroethane
 Concen: 16.380 ug/L
 RT: 4.609 min Scan# 1110
 Delta R.T. 0.006 min
 Lab File: VV025140.D
 Acq: 23 Mar 2022 18:40

Tgt Ion:	97	Resp:	249607
Ion	Ratio	Lower	Upper
97	100		
99	65.3	50.7	76.1
61	41.0	32.4	48.6

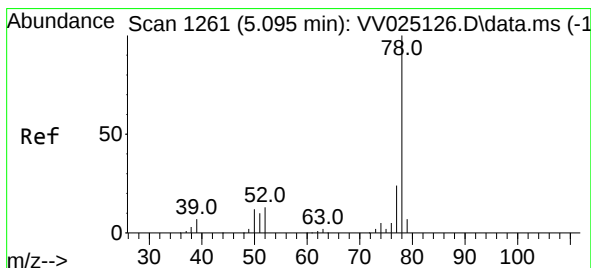
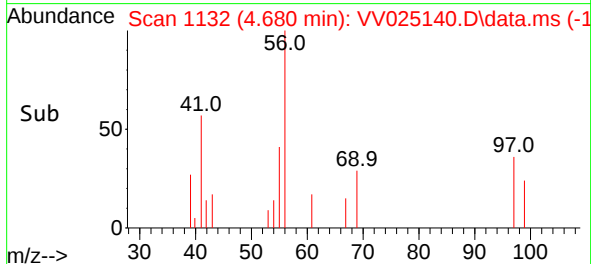
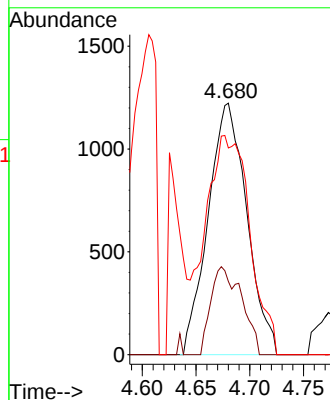
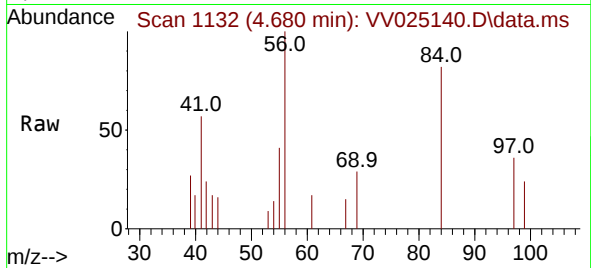




#30
Cyclohexane
Concen: 0.206 ug/L
RT: 4.680 min Scan# 1129
Delta R.T. 0.009 min
Lab File: VV025140.D
Acq: 23 Mar 2022 18:40

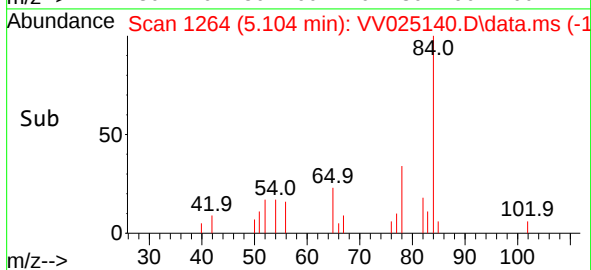
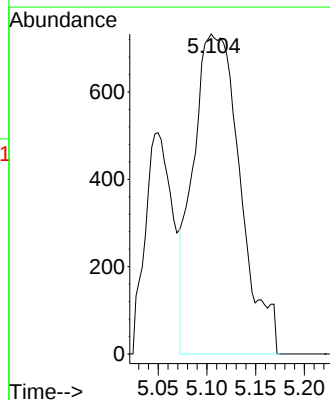
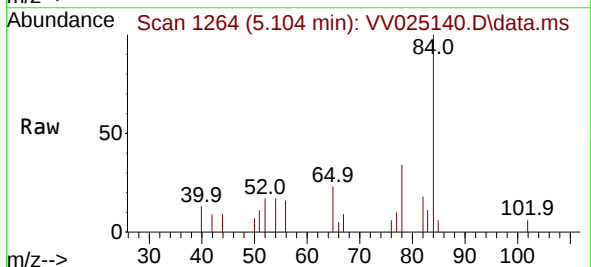
Instrument :
MSVOA_V
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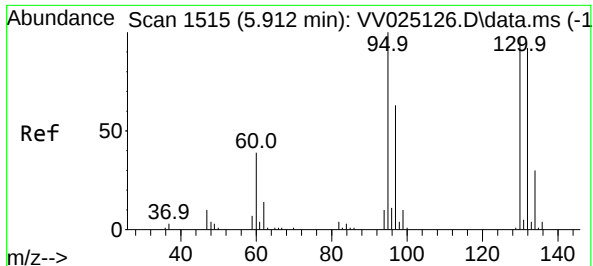
Tgt Ion: 56	Resp: 3057
Ion Ratio	Lower Upper
56	100
69	27.8 24.9 37.3
84	99.1 75.9 113.9



#33
Benzene
Concen: 0.063 ug/L
RT: 5.104 min Scan# 1264
Delta R.T. 0.009 min
Lab File: VV025140.D
Acq: 23 Mar 2022 18:40

Tgt Ion: 78 Resp: 2456





#34

Trichloroethene

Concen: 9.126 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV025140.D

Acq: 23 Mar 2022 18:40

Instrument :

MSVOA_V

ClientSampleId :

EW607

Tgt Ion: 95 Resp: 94446

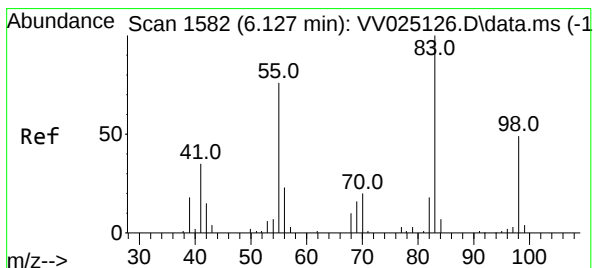
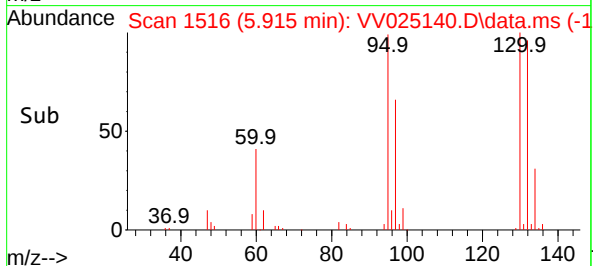
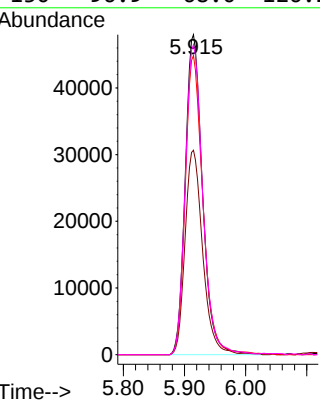
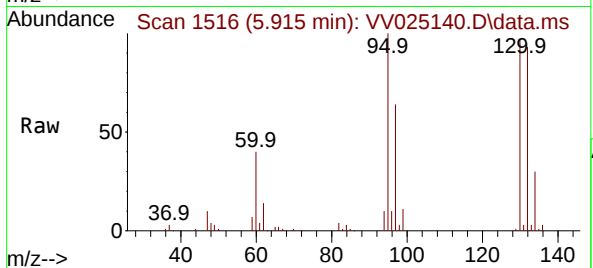
Ion Ratio Lower Upper

95 100

97 63.9 44.5 82.7

132 93.5 66.5 123.5

130 96.9 68.0 126.2



#35

Methylcyclohexane

Concen: 0.729 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.000 min

Lab File: VV025140.D

Acq: 23 Mar 2022 18:40

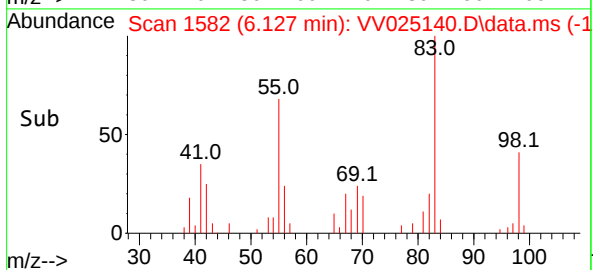
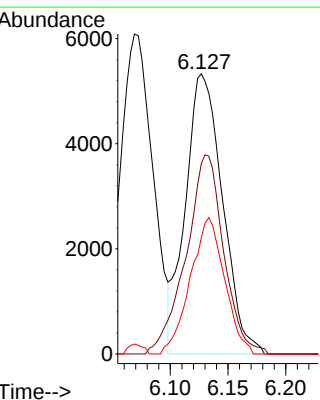
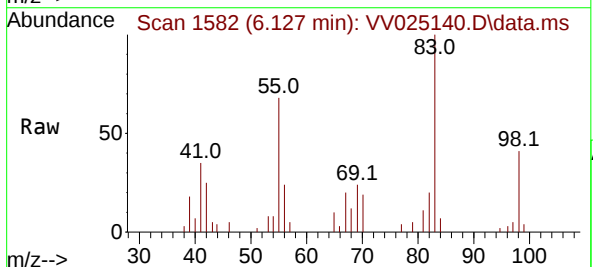
Tgt Ion: 83 Resp: 11949

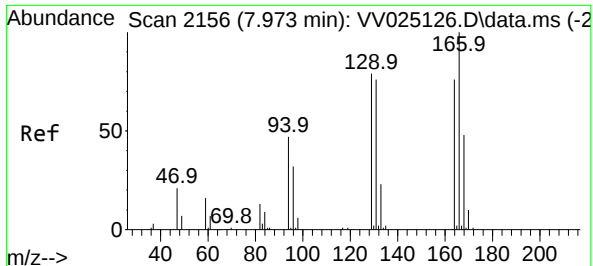
Ion Ratio Lower Upper

83 100

55 71.9 55.4 83.0

98 44.6 38.4 57.6





#47

Tetrachloroethene

Concen: 5.958 ug/L

RT: 7.976 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV025140.D

Acq: 23 Mar 2022 18:40

Instrument :

MSVOA_V

ClientSampleId :

EW607

Tgt Ion:164 Resp: 43374

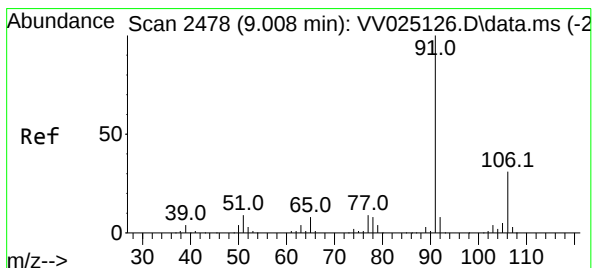
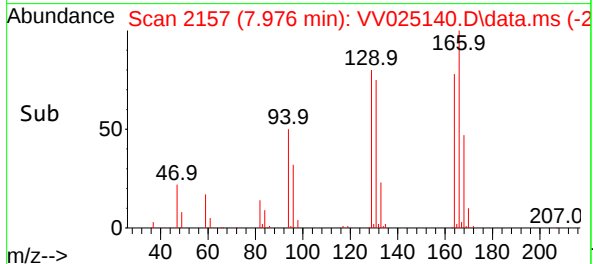
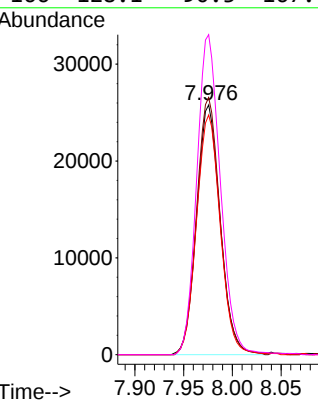
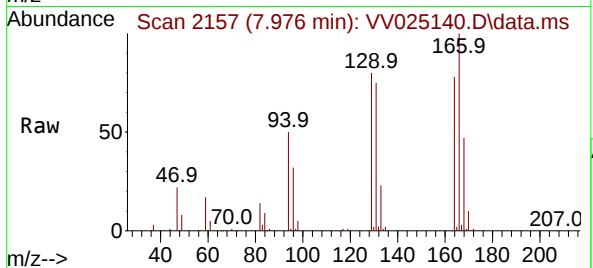
Ion Ratio Lower Upper

164 100

129 102.9 70.3 130.7

131 96.0 69.4 129.0

166 128.1 90.3 167.7



#52

Ethylbenzene

Concen: 0.539 ug/L

RT: 9.017 min Scan# 2481

Delta R.T. 0.009 min

Lab File: VV025140.D

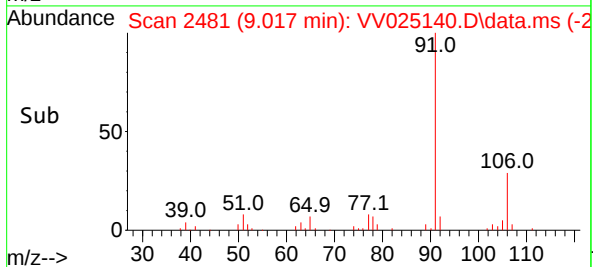
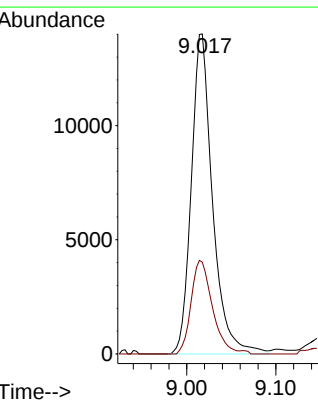
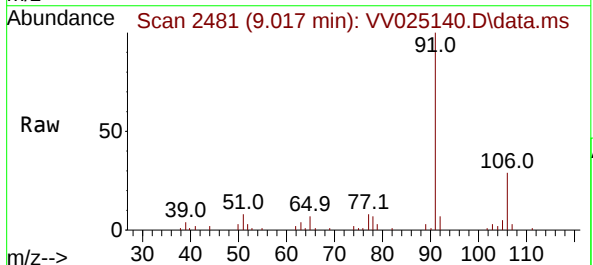
Acq: 23 Mar 2022 18:40

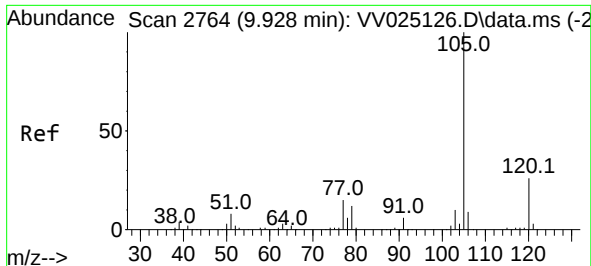
Tgt Ion: 91 Resp: 23181

Ion Ratio Lower Upper

91 100

106 28.7 21.9 40.7

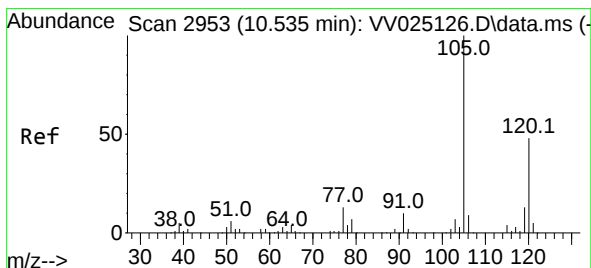
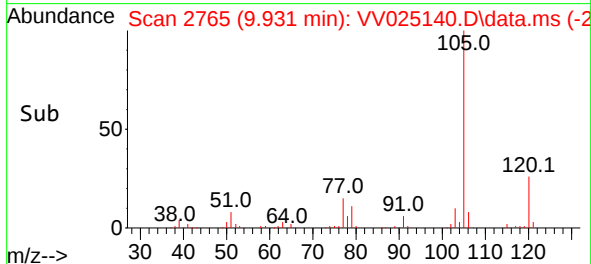
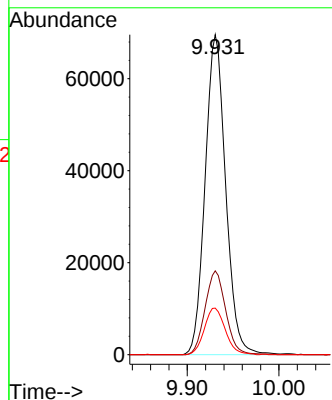
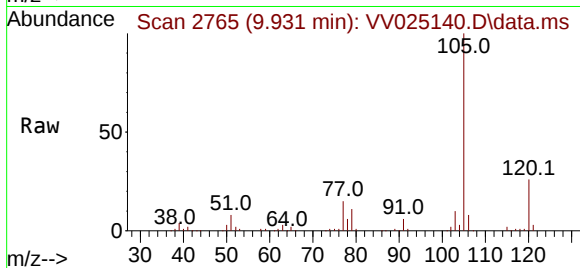




#60
Isopropylbenzene
Concen: 2.497 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV025140.D
Acq: 23 Mar 2022 18:40

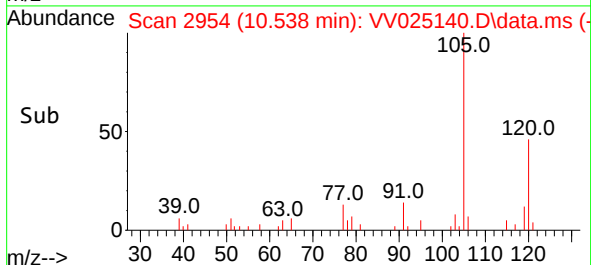
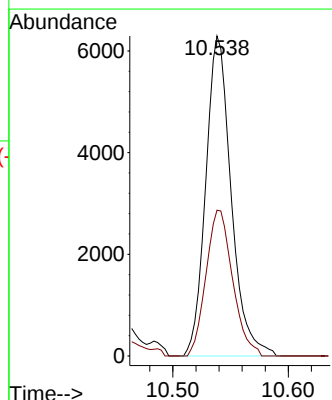
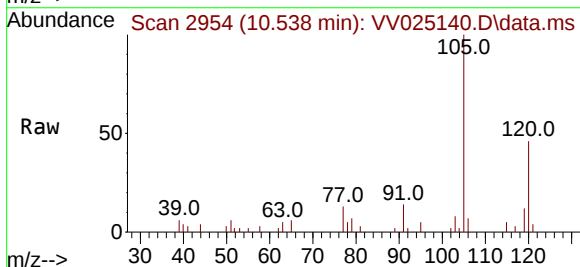
Instrument :
MSVOA_V
ClientSampleId :
EW607

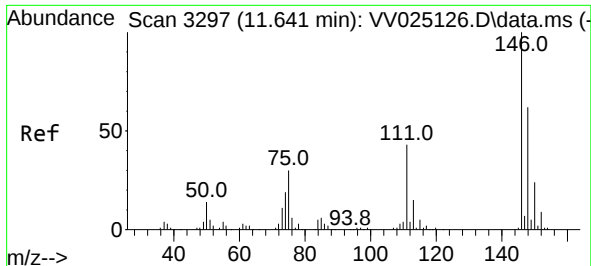
Tgt Ion:105 Resp: 108286
Ion Ratio Lower Upper
105 100
120 26.3 20.7 31.1
77 14.9 12.2 18.2



#62
1,3,5-Trimethylbenzene
Concen: 0.488 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.003 min
Lab File: VV025140.D
Acq: 23 Mar 2022 18:40

Tgt Ion:105 Resp: 9612
Ion Ratio Lower Upper
105 100
120 47.6 38.5 57.7





#67

1,2-Dichlorobenzene

Concen: 1.513 ug/L

RT: 11.641 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV025140.D

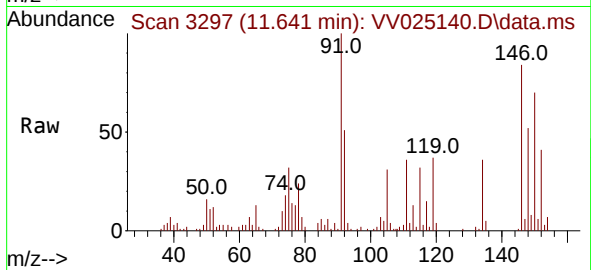
Acq: 23 Mar 2022 18:40

Instrument :

MSVOA_V

ClientSampleId :

EW607



Tgt Ion:146 Resp: 25216

Ion Ratio Lower Upper

146 100

111 42.5 35.5 53.3

148 61.7 49.7 74.5

