

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW082922\
 Data File : VW027559.D
 Acq On : 29 Aug 2022 13:55
 Operator : SY/MD
 Sample : N4366-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F5E78

Quant Time: Aug 30 04:18:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 27 03:12:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	143880	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	133644	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56314	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	39709	3.878	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.600%
7) Chloroethane-d5	1.565	69	39781	5.308	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.200%
11) 1,1-Dichloroethene-d2	2.105	63	69195	2.898	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.000%#
20) 2-Butanone-d5	3.896	46	44454	34.883	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.760%
24) Chloroform-d	4.349	84	76527	3.738	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.800%
26) 1,2-Dichloroethane-d4	5.031	65	37517	4.235	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
32) Benzene-d6	5.047	84	145080	3.919	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.400%
36) 1,2-Dichloropropane-d6	6.066	67	46517	4.322	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.314	98	115876	3.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.400%#
43) trans-1,3-Dichloroprop...	7.632	79	8987	2.439	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	48.800%#
46) 2-Hexanone-d5	8.092	63	43980	36.257	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.520%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	27133	3.959	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	38420	4.602	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						Qvalue
3) Chloromethane	1.240	50	1367	0.103	ug/L	85
5) Vinyl chloride	1.311	62	959	0.071	ug/L #	1
6) Bromomethane	1.523	94	491	0.074	ug/L	91
12) 1,1-Dichloroethene	2.114	96	1601	0.147	ug/L #	1
13) Acetone	2.127	43	9276	7.622	ug/L	53
17) Methyl tert-butyl Ether	2.767	73	249191	11.064	ug/L	99
18) trans-1,2-Dichloroethene	2.757	96	23032	2.054	ug/L	99
22) cis-1,2-Dichloroethene	3.909	96	35407	2.962	ug/L	98
25) Chloroform	4.378	83	5212	0.206	ug/L	98
34) Trichloroethene	5.908	95	173221	14.814	ug/L	96
35) Methylcyclohexane	6.069	83	10757	0.654	ug/L #	16
37) 1,2-Dichloropropane	6.069	63	5605	0.473	ug/L #	85
38) Bromodichloromethane	6.767	83	477	0.032	ug/L #	1
47) Tetrachloroethene	7.973	164	62951	6.910	ug/L	97
49) Dibromochloromethane	7.973	129	60179	6.461	ug/L #	9
61) 1,2,3-Trichloropropane	11.246	75	6052	1.225	ug/L #	66

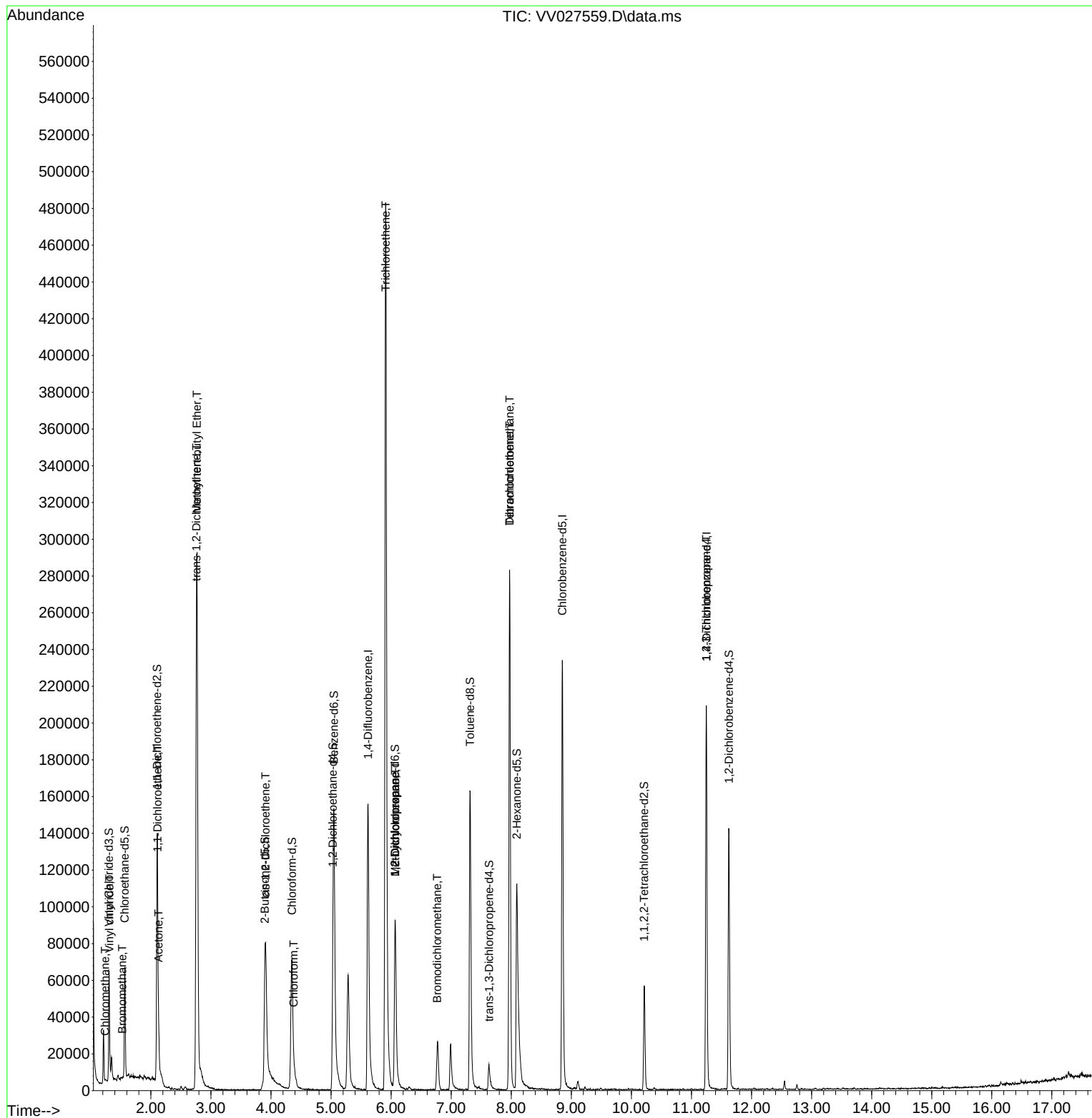
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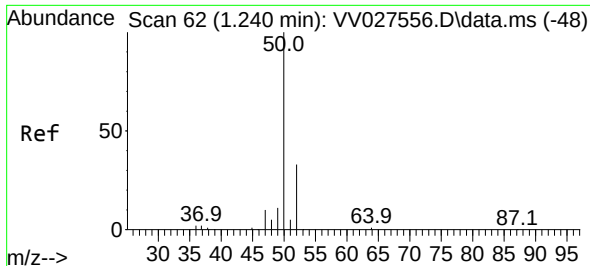
Instrument :
MSVOA_V
ClientSampleId :
F5E78

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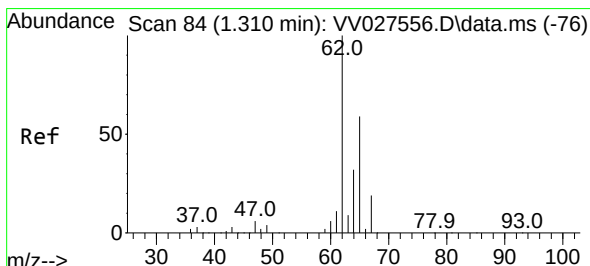
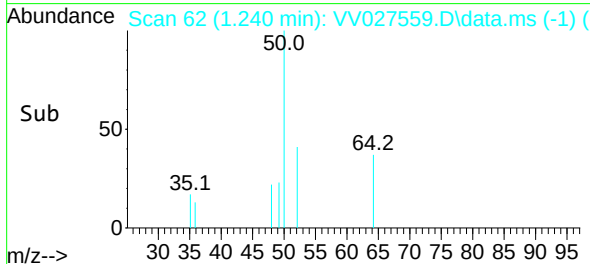
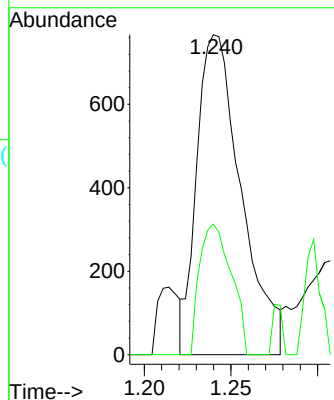
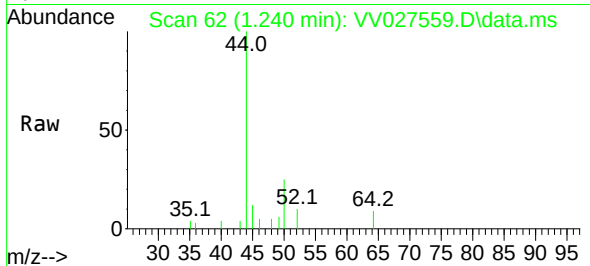




#3
Chloromethane
Concen: 0.103 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV027559.D
Acq: 29 Aug 2022 13:55

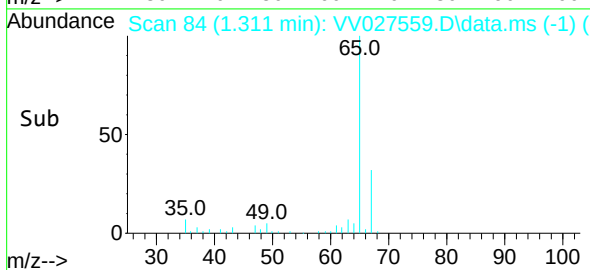
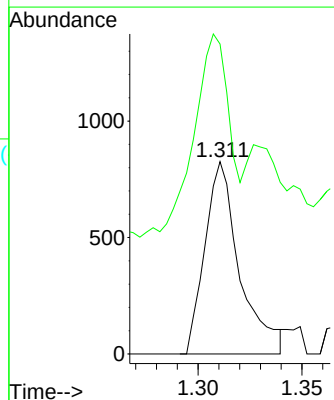
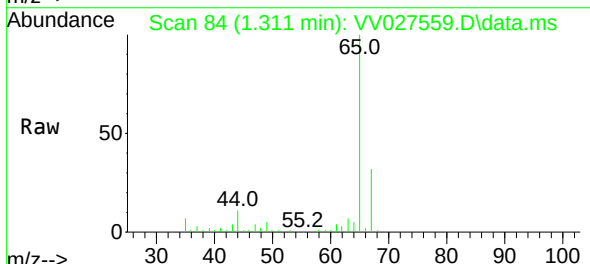
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MSVOA_V
ClientSampleId :
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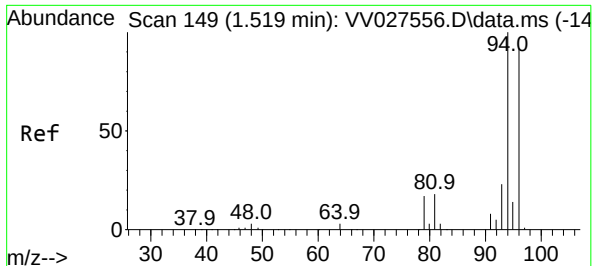
Tgt Ion: 50 Resp: 1367
Ion Ratio Lower Upper
50 100
52 40.8 22.8 42.4



#5
Vinyl chloride
Concen: 0.071 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV027559.D
Acq: 29 Aug 2022 13:55

Tgt Ion: 62 Resp: 959
Ion Ratio Lower Upper
62 100
64 161.1 22.6 42.0#

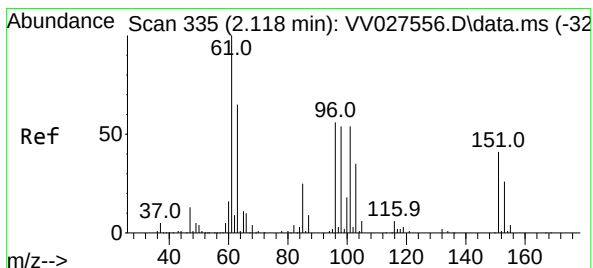
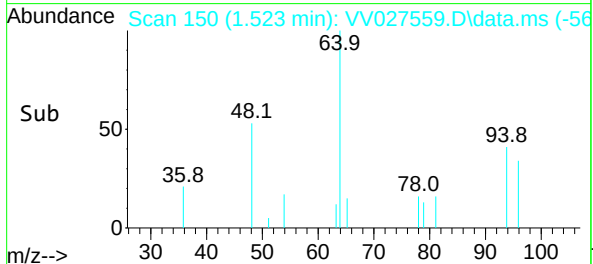
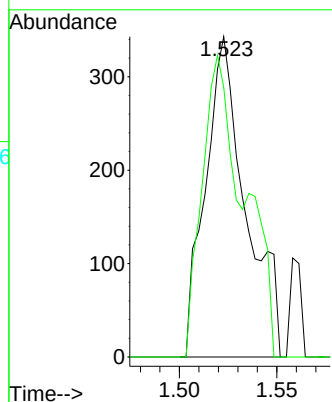
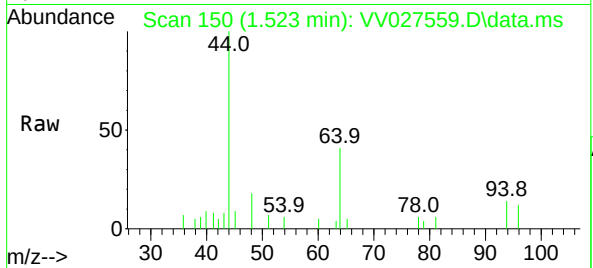




#6
Bromomethane
Concen: 0.074 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV027559.D
Acq: 29 Aug 2022 13:55

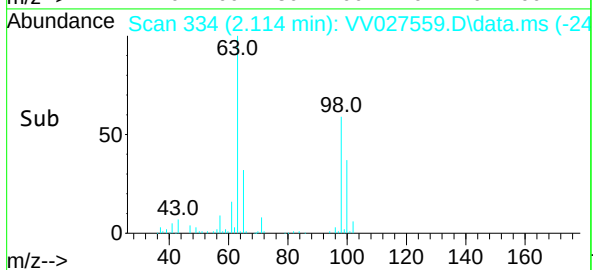
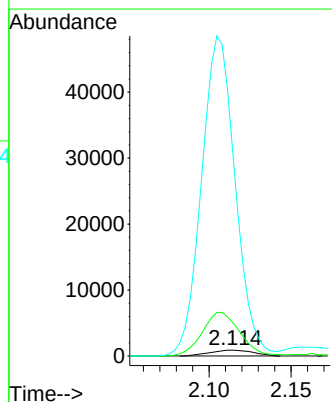
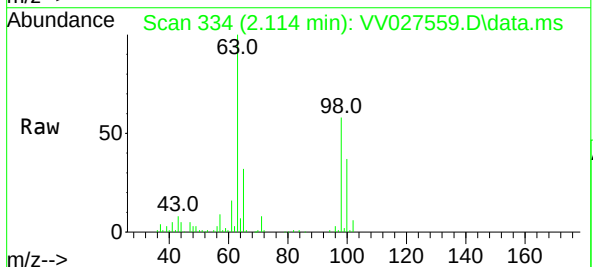
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ClientSampleId :
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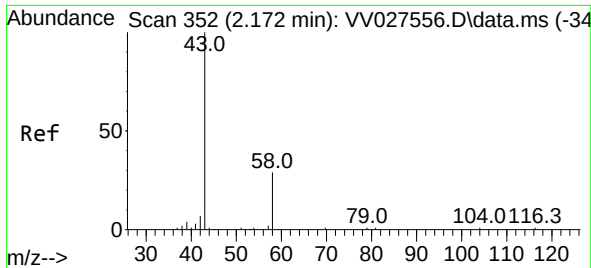
Tgt Ion: 94 Resp: 491
Ion Ratio Lower Upper
94 100
96 84.3 65.2 121.0



#12
1,1-Dichloroethene
Concen: 0.147 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.003 min
Lab File: VV027559.D
Acq: 29 Aug 2022 13:55

Tgt Ion: 96 Resp: 1601
Ion Ratio Lower Upper
96 100
61 572.2 130.2 241.8#
63 3513.7 87.4 162.4#

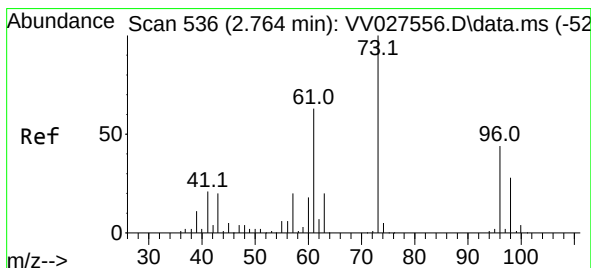
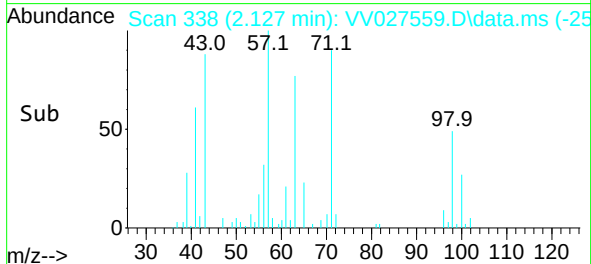
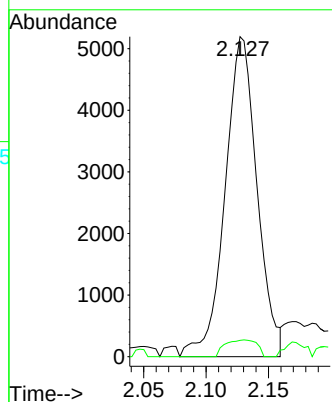
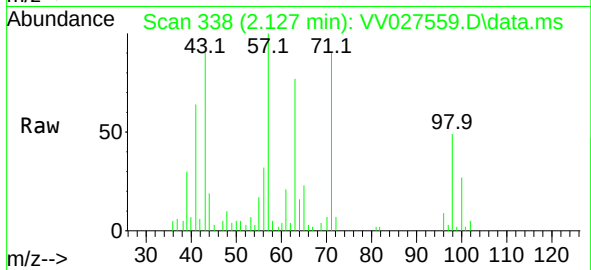




#13
Acetone
Concen: 7.622 ug/L
RT: 2.127 min Scan# 31
Delta R.T. -0.045 min
Lab File: VV027559.D
Acq: 29 Aug 2022 13:55

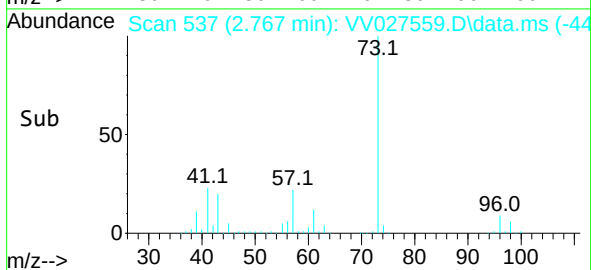
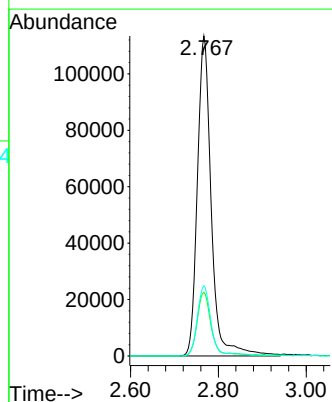
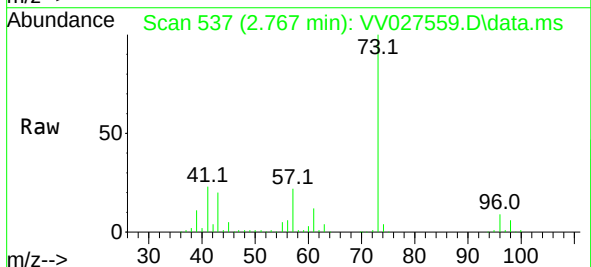
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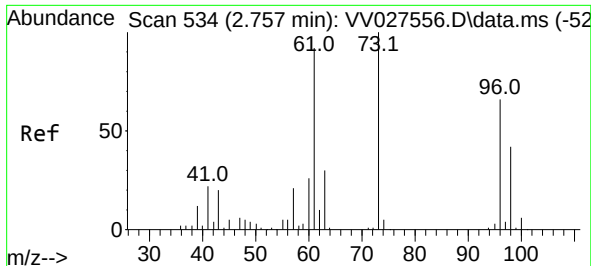
Tgt Ion: 43 Resp: 9276
Ion Ratio Lower Upper
43 100
58 5.2 0.0 62.2



#17
Methyl tert-butyl Ether
Concen: 11.064 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.003 min
Lab File: VV027559.D
Acq: 29 Aug 2022 13:55

Tgt Ion: 73 Resp: 249191
Ion Ratio Lower Upper
73 100
43 19.3 15.6 23.4
57 20.8 17.0 25.6

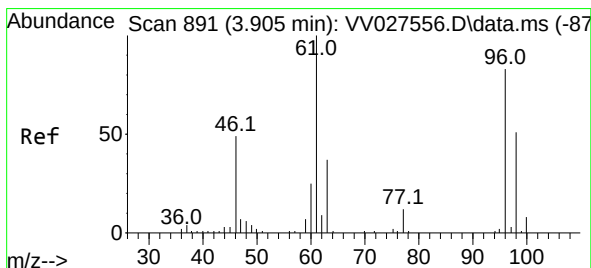
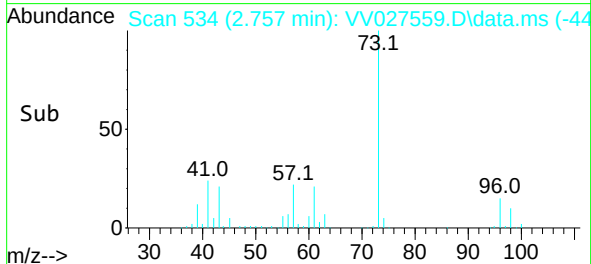
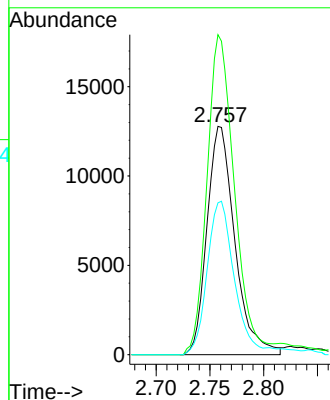
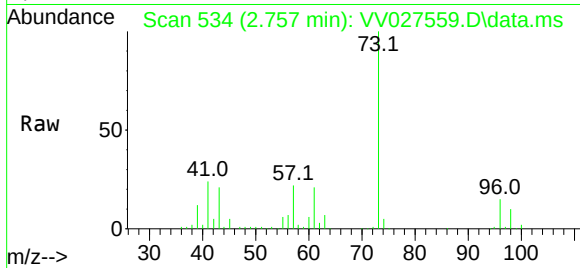




#18
trans-1,2-Dichloroethene
Concen: 2.054 ug/L
RT: 2.757 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV027559.D
Acq: 29 Aug 2022 13:55

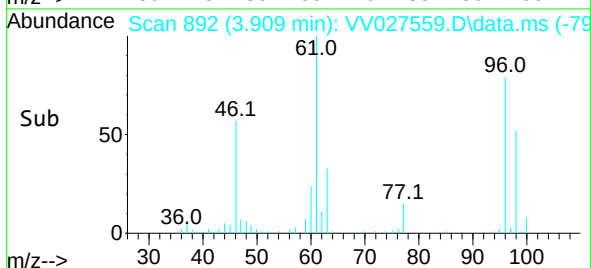
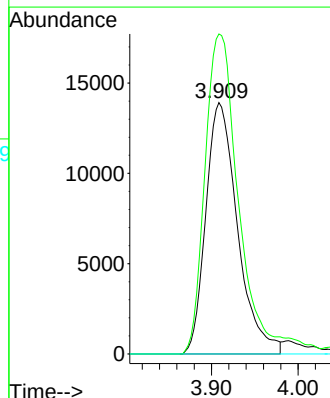
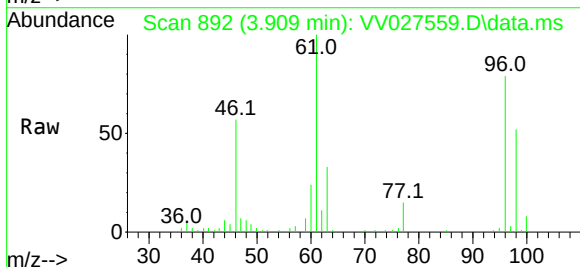
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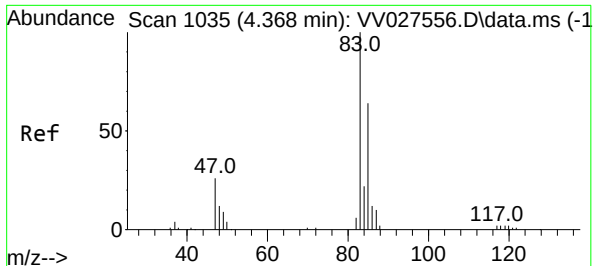
Tgt Ion: 96 Resp: 23032
Ion Ratio Lower Upper
96 100
61 140.2 97.6 181.4
98 66.5 45.9 85.3



#22
cis-1,2-Dichloroethene
Concen: 2.962 ug/L
RT: 3.909 min Scan# 892
Delta R.T. 0.003 min
Lab File: VV027559.D
Acq: 29 Aug 2022 13:55

Tgt Ion: 96 Resp: 35407
Ion Ratio Lower Upper
96 100
61 127.3 90.6 168.2
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.206 ug/L

RT: 4.378 min Scan# 1035

Delta R.T. 0.013 min

Lab File: VV027559.D

Acq: 29 Aug 2022 13:55

Instrument :

MSVOA_V

ClientSampleId :

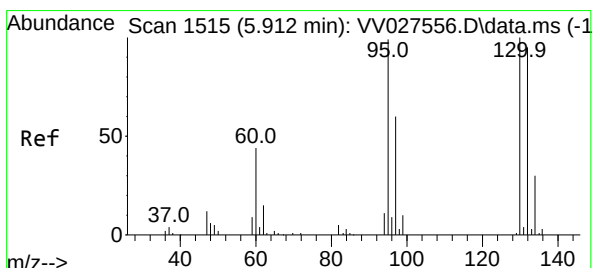
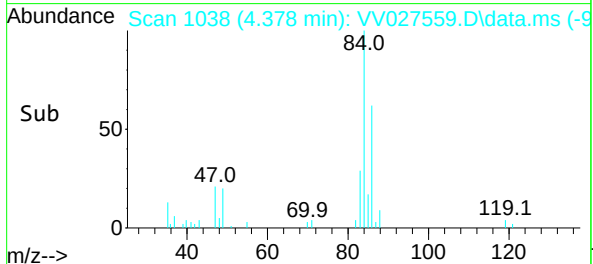
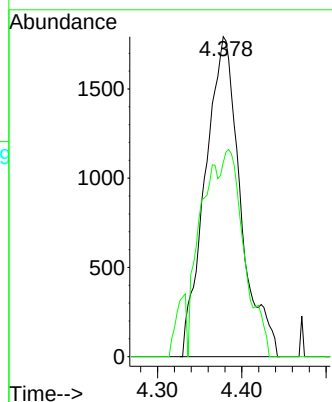
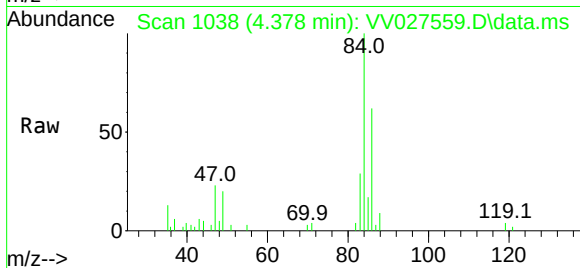
F5E78

Tgt Ion: 83 Resp: 5212

Ion Ratio Lower Upper

83 100

85 60.7 43.3 80.5



#34

Trichloroethene

Concen: 14.814 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VV027559.D

Acq: 29 Aug 2022 13:55

Tgt Ion: 95 Resp: 173221

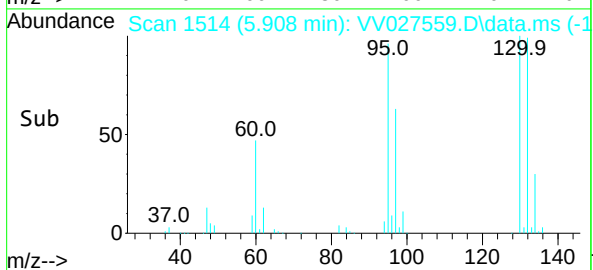
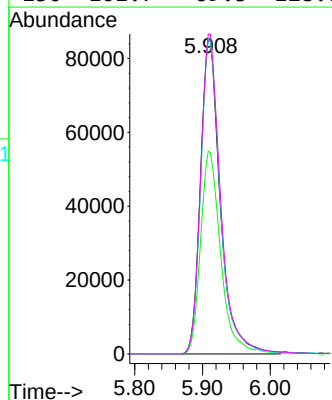
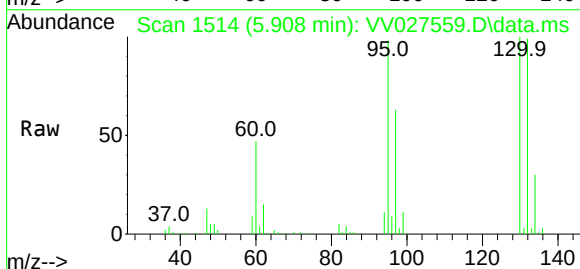
Ion Ratio Lower Upper

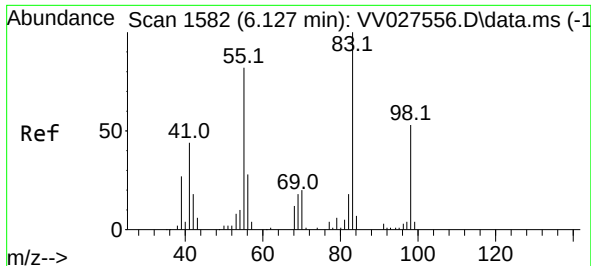
95 100

97 64.5 45.0 83.6

132 100.3 65.7 121.9

130 101.7 69.3 128.7





#35

Methylcyclohexane

Concen: 0.654 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.058 min

Lab File: VV027559.D

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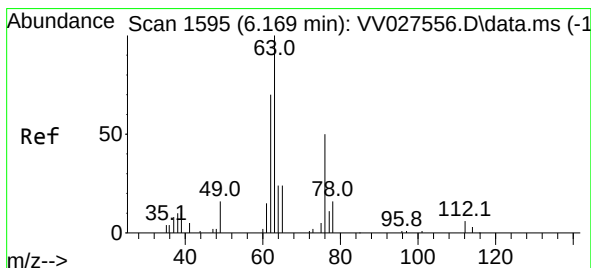
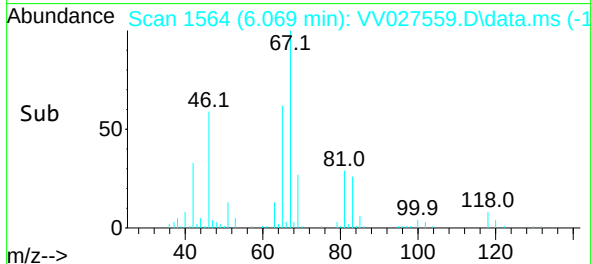
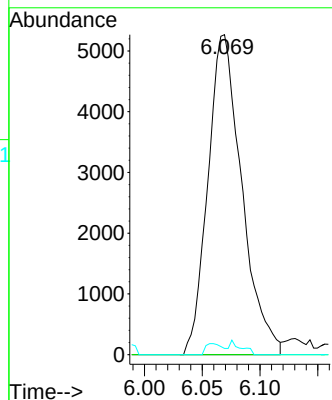
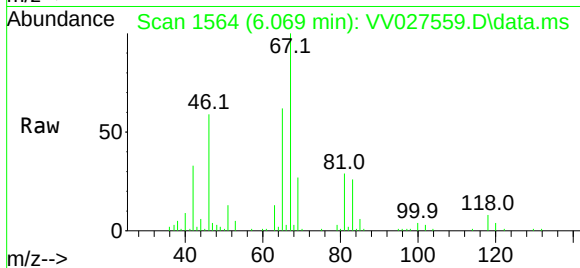
Tgt Ion: 83 Resp: 10757

Ion Ratio Lower Upper

83 100

55 0.5 68.2 102.4#

98 1.4 39.0 58.4#



#37

1,2-Dichloropropane

Concen: 0.473 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.100 min

Lab File: VV027559.D

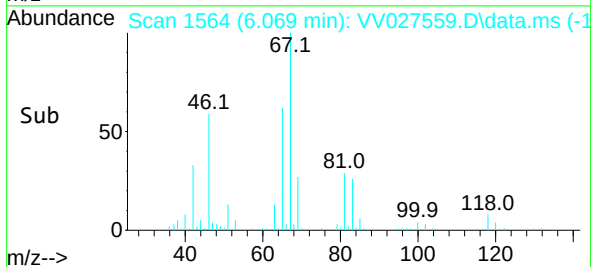
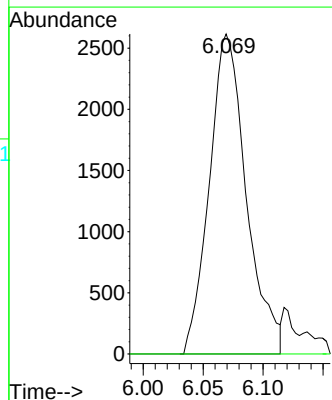
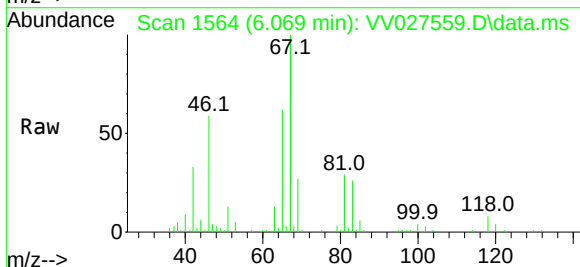
Acq: 29 Aug 2022 13:55

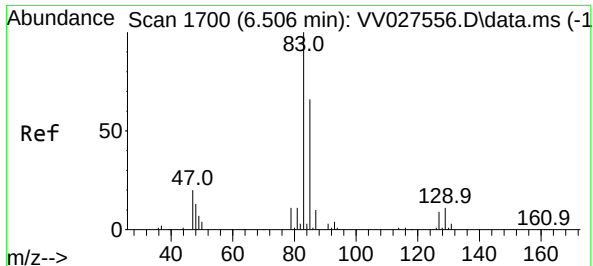
Tgt Ion: 63 Resp: 5605

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#

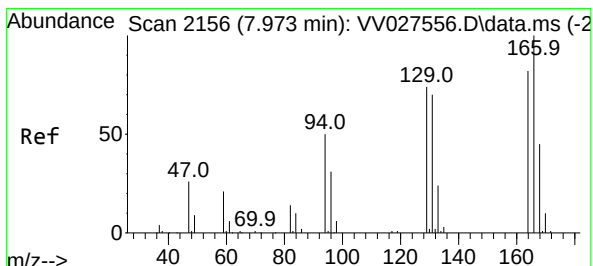
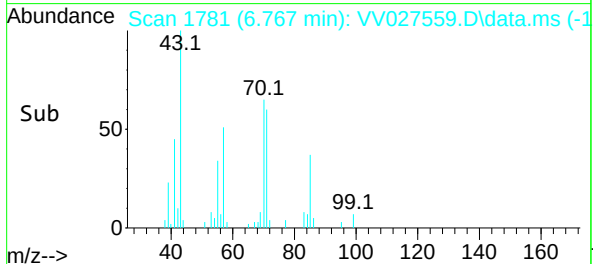
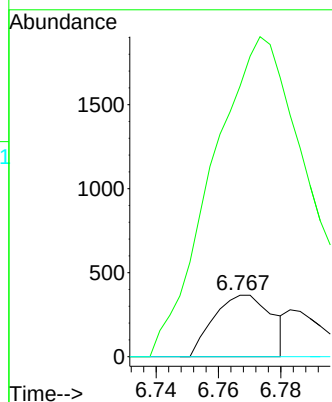
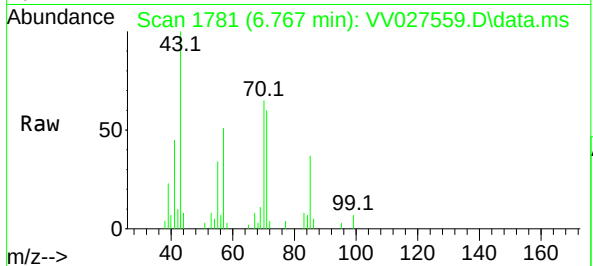




#38
Bromodichloromethane
Concen: 0.032 ug/L
RT: 6.767 min Scan# 1781
Delta R.T. 0.264 min
Lab File: VV027559.D
Acq: 29 Aug 2022 13:55

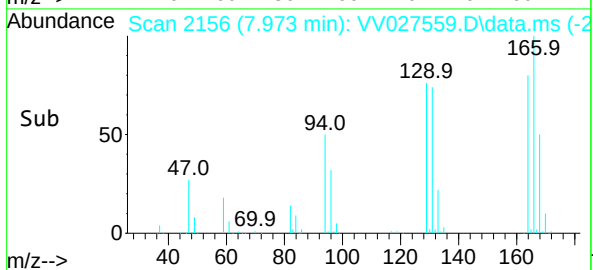
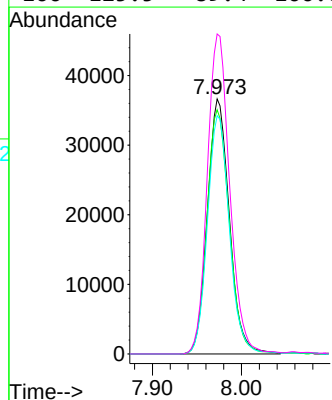
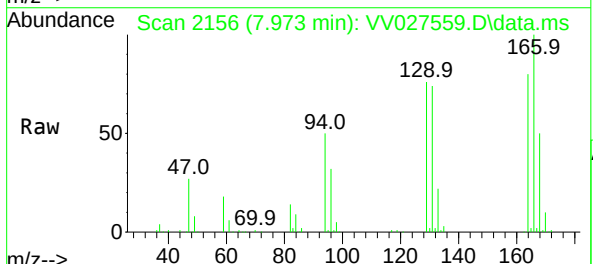
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MSVOA_V
ClientSampleId :
F5E78

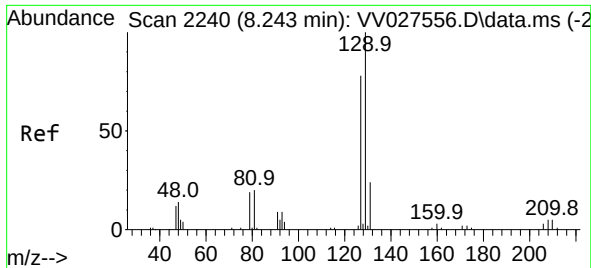
Tgt Ion: 83 Resp: 477
Ion Ratio Lower Upper
83 100
85 440.2 45.3 84.1#
127 0.0 7.2 10.8#



#47
Tetrachloroethene
Concen: 6.910 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.000 min
Lab File: VV027559.D
Acq: 29 Aug 2022 13:55

Tgt Ion: 164 Resp: 62951
Ion Ratio Lower Upper
164 100
129 95.8 71.1 132.1
131 93.4 64.5 119.9
166 125.5 89.4 166.0





#49

Dibromochloromethane

Concen: 6.461 ug/L

RT: 7.973 min Scan# 21

Delta R.T. -0.270 min

Lab File: VV027559.D

Acq: 29 Aug 2022 13:55

Instrument :

MSVOA_V

ClientSampleId :

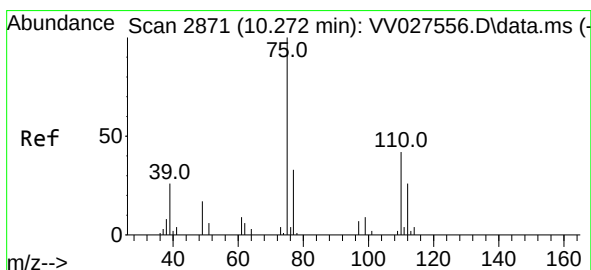
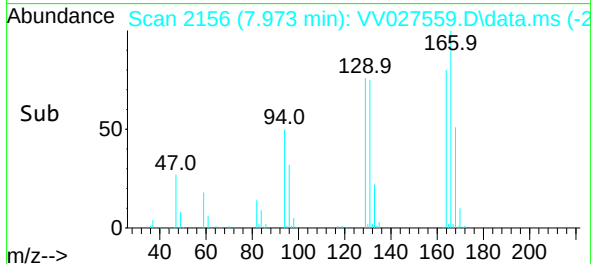
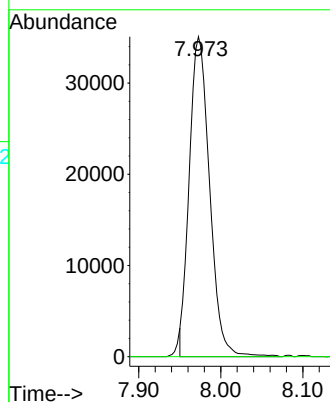
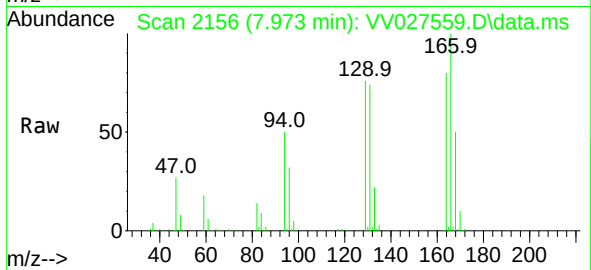
F5E78

Tgt Ion:129 Resp: 60179

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#61

1,2,3-Trichloropropane

Concen: 1.225 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV027559.D

Acq: 29 Aug 2022 13:55

Tgt Ion: 75 Resp: 6052

Ion Ratio Lower Upper

75 100

77 36.5 26.2 39.2

110 2.2 29.9 44.9#

