

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121121\
 Data File : VX025738.D
 Acq On : 11 Dec 2021 13:14
 Operator : JC/MD
 Sample : M4997-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EW5Q1

Quant Time: Dec 12 06:34:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML112221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 11 00:48:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	80836	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	75544	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	33351	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	23562	42.710	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.420%
7) Chloroethane-d5	1.666	69	21215	46.594	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.180%
11) 1,1-Dichloroethene-d2	2.306	63	35106	39.911	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.820%
21) 2-Butanone-d5	4.458	46	41109	100.104	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.100%
24) Chloroform-d	5.062	84	49292	51.125	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.240%
26) 1,2-Dichloroethane-d4	5.958	65	34407	57.252	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.500%
32) Benzene-d6	5.982	84	99077	49.485	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.980%
36) 1,2-Dichloropropane-d6	7.311	67	30840	49.751	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.500%
41) Toluene-d8	8.652	98	91144	48.229	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.460%
43) trans-1,3-Dichloroprop...	8.951	79	14490	46.493	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.980%
47) 2-Hexanone-d5	9.384	63	28190	87.363	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.360%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	44260	50.521	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.040%
66) 1,2-Dichlorobenzene-d4	12.323	152	32700	49.990	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.980%
Target Compounds						Qvalue
5) Vinyl chloride	1.373	62	4858	8.499	ug/L	88
8) Chloroethane	1.373	64	1676	4.402	ug/L	86
12) 1,1-Dichloroethene	2.318	96	677	1.560	ug/L #	1
17) trans-1,2-Dichloroethene	3.099	96	1560	3.338	ug/L	90
19) 1,1-Dichloroethane	3.611	63	63555	75.939	ug/L	99
20) cis-1,2-Dichloroethene	4.495	96	56129	101.921	ug/L	95
27) 1,2-Dichloroethane	6.104	62	678	1.023	ug/L #	73
30) 1,1,1-Trichloroethane	5.391	97	25177	30.191	ug/L	97
34) Trichloroethene	7.128	95	3274	6.168	ug/L	90
35) Methylcyclohexane	7.317	83	7791	9.325	ug/L #	19
37) 1,2-Dichloropropane	7.311	63	3576	7.064	ug/L #	85
39) cis-1,3-Dichloropropene	8.329	75	1131	1.372	ug/L #	46
44) trans-1,3-Dichloropropene	8.951	75	803	1.013	ug/L	89
46) Tetrachloroethene	9.274	164	1001	2.224	ug/L	91
49) Dibromochloromethane	9.280	129	940	1.518	ug/L #	12
61) 1,2,3-Trichloropropane	12.024	75	4011	7.030	ug/L #	62

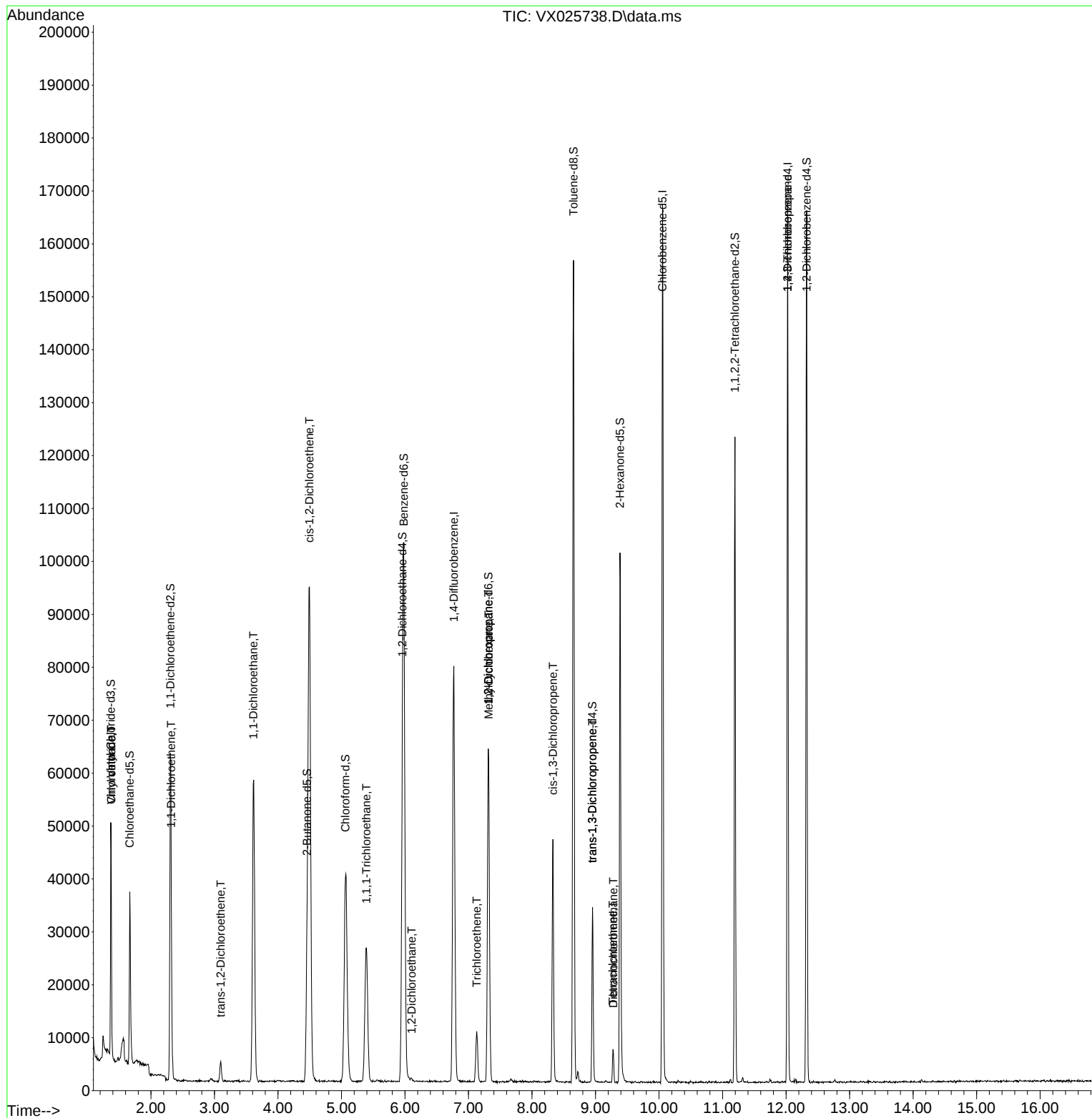
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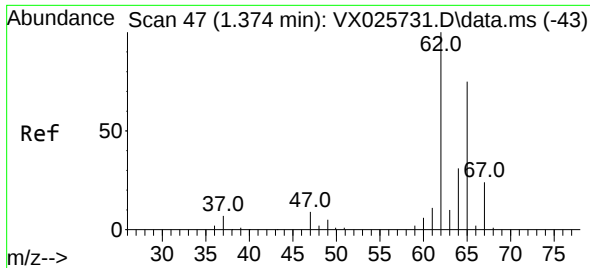
Instrument :
MSVOA_X
ClientSampleId :
EW5Q1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM112221WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 11 00:48:07 2021
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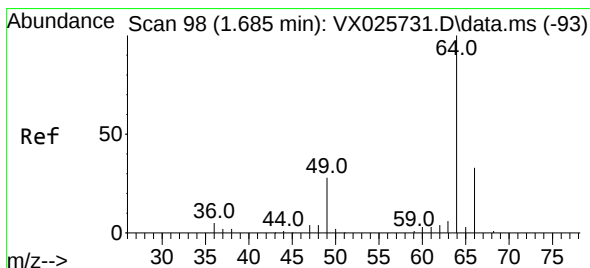
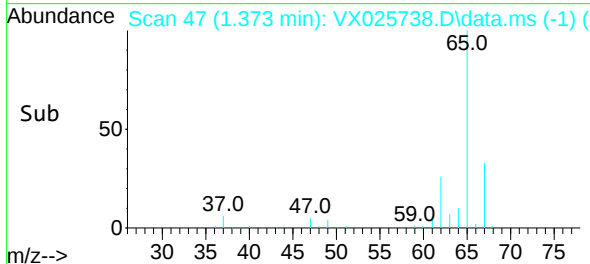
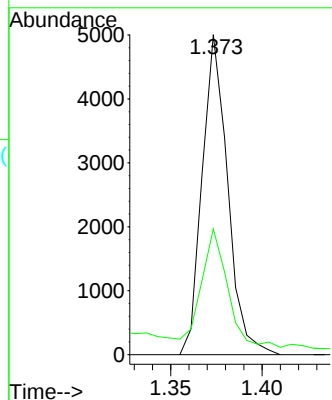
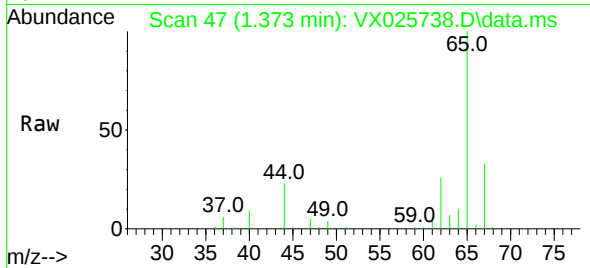




#5
 Vinyl chloride
 Concen: 8.499 ug/L
 RT: 1.373 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX025738.D
 Acq: 11 Dec 2021 13:14

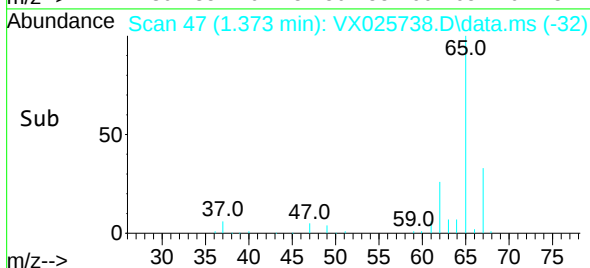
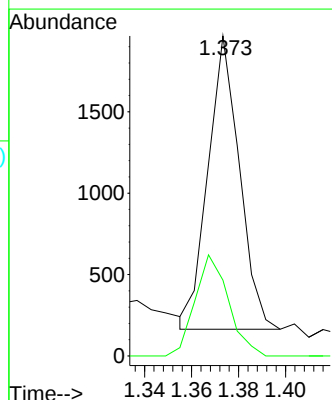
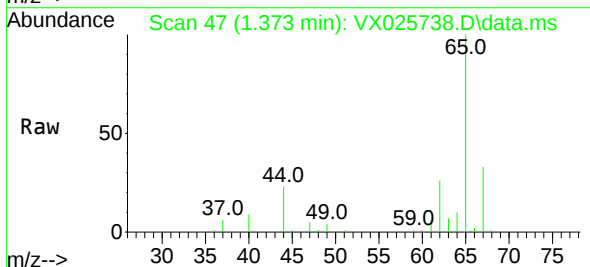
Instrument :
 MSVOA_X
 ClientSampleId :
 EW5Q1

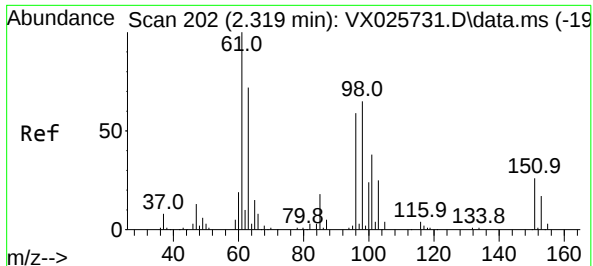
Tgt Ion: 62 Resp: 4858
 Ion Ratio Lower Upper
 62 100
 64 39.3 22.9 42.5



#8
 Chloroethane
 Concen: 4.402 ug/L
 RT: 1.373 min Scan# 47
 Delta R.T. -0.311 min
 Lab File: VX025738.D
 Acq: 11 Dec 2021 13:14

Tgt Ion: 64 Resp: 1676
 Ion Ratio Lower Upper
 64 100
 66 23.7 22.0 40.8





#12

1,1-Dichloroethene

Concen: 1.560 ug/L

RT: 2.318 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX025738.D

Acq: 11 Dec 2021 13:14

Instrument :

MSVOA_X

ClientSampleId :

EW5Q1

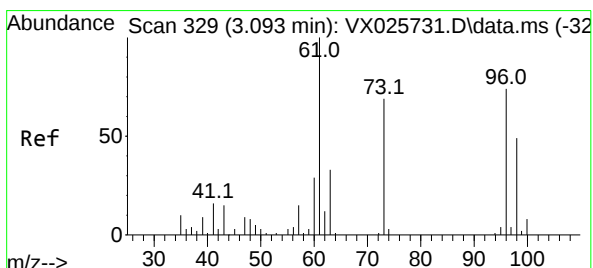
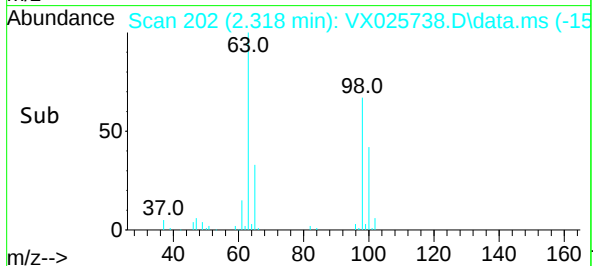
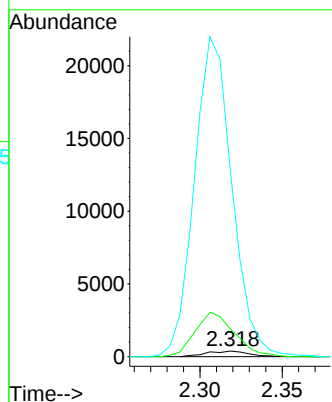
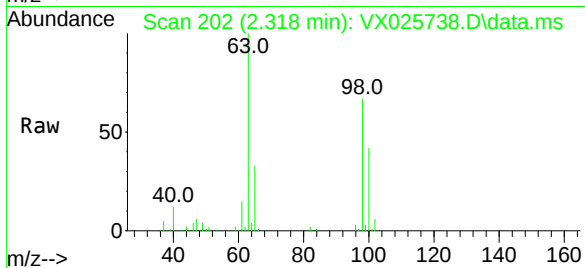
Tgt Ion: 96 Resp: 677

Ion Ratio Lower Upper

96 100

61 500.3 108.7 201.9#

63 3384.6 76.3 141.7#



#17

trans-1,2-Dichloroethene

Concen: 3.338 ug/L

RT: 3.099 min Scan# 330

Delta R.T. 0.006 min

Lab File: VX025738.D

Acq: 11 Dec 2021 13:14

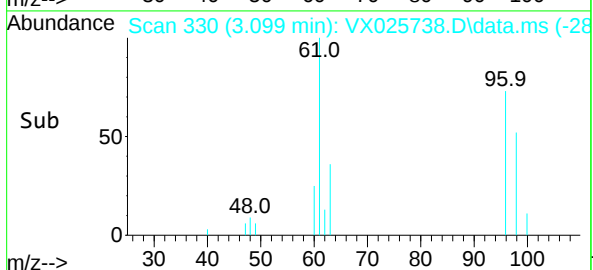
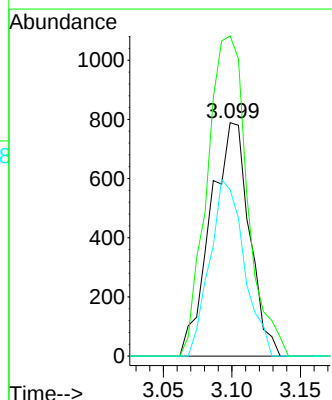
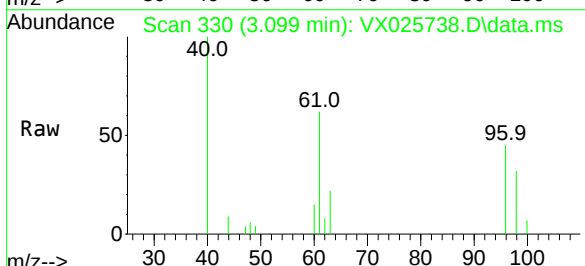
Tgt Ion: 96 Resp: 1560

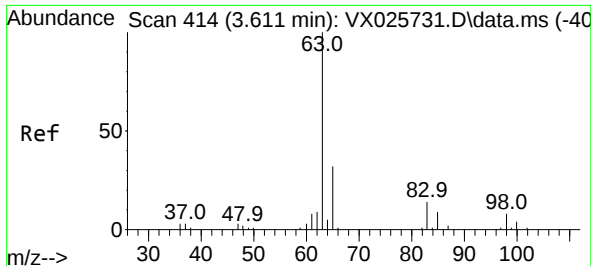
Ion Ratio Lower Upper

96 100

61 137.1 88.5 164.4

98 71.2 44.3 82.3





#19

1,1-Dichloroethane

Concen: 75.939 ug/L

RT: 3.611 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX025738.D

Acq: 11 Dec 2021 13:14

Instrument :

MSVOA_X

ClientSampleId :

EW5Q1

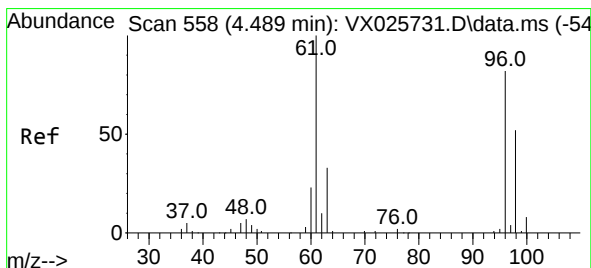
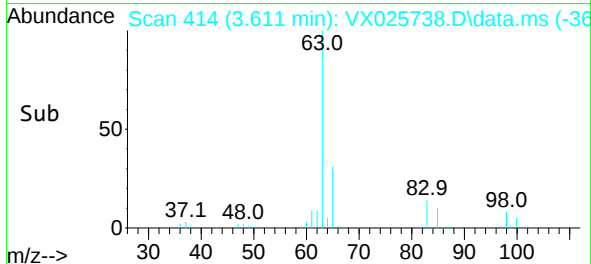
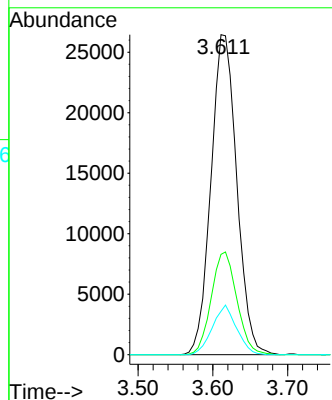
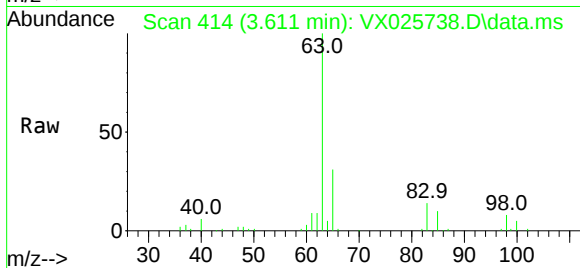
Tgt Ion: 63 Resp: 63555

Ion Ratio Lower Upper

63 100

65 31.4 22.2 41.2

83 13.5 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 101.921 ug/L

RT: 4.495 min Scan# 559

Delta R.T. -0.000 min

Lab File: VX025738.D

Acq: 11 Dec 2021 13:14

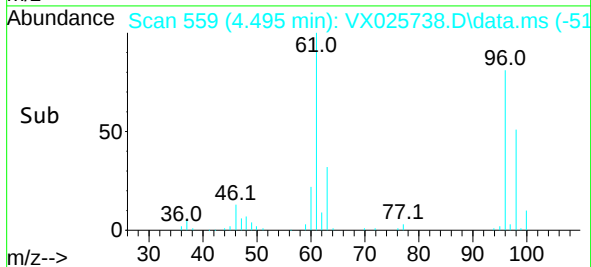
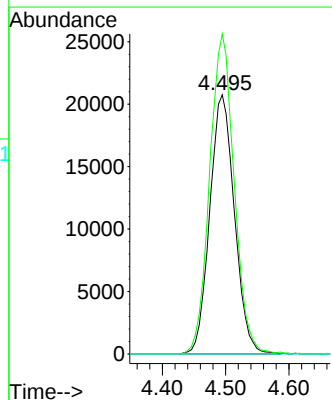
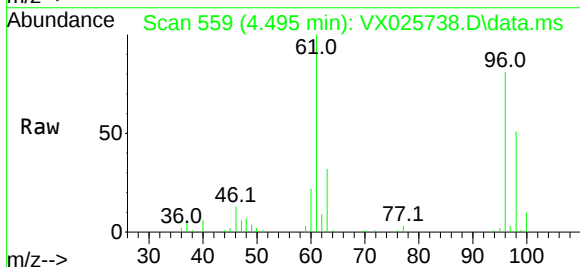
Tgt Ion: 96 Resp: 56129

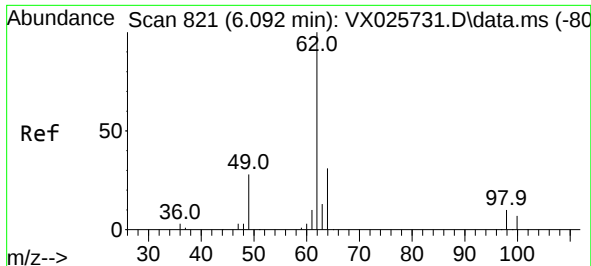
Ion Ratio Lower Upper

96 100

61 123.5 82.3 152.8

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 1.023 ug/L

RT: 6.104 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX025738.D

Acq: 11 Dec 2021 13:14

Instrument :

MSVOA_X

ClientSampleId :

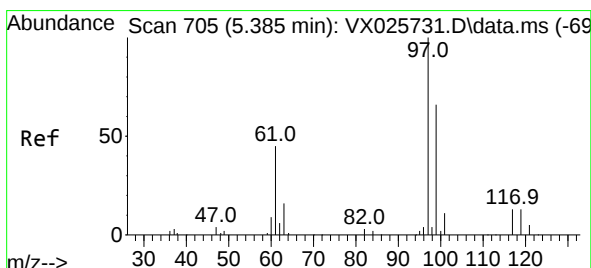
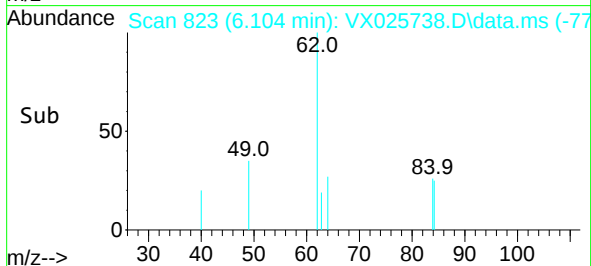
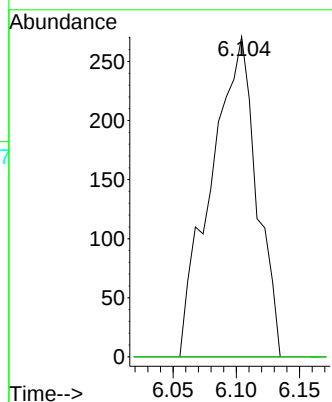
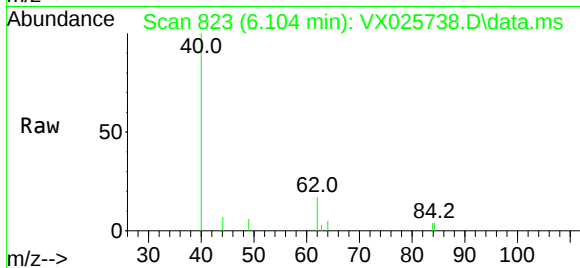
EW5Q1

Tgt Ion: 62 Resp: 678

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#



#30

1,1,1-Trichloroethane

Concen: 30.191 ug/L

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX025738.D

Acq: 11 Dec 2021 13:14

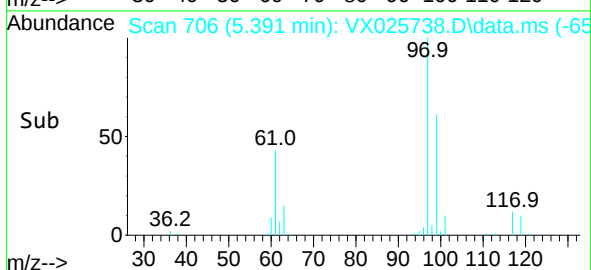
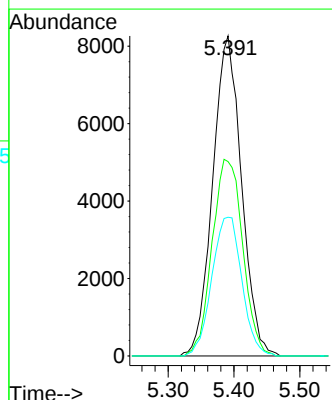
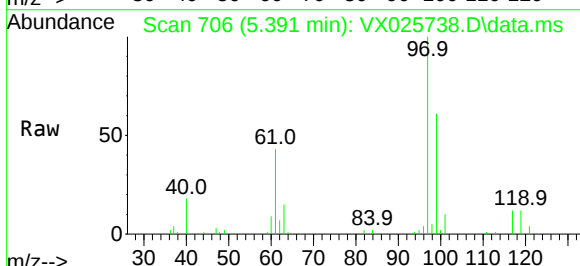
Tgt Ion: 97 Resp: 25177

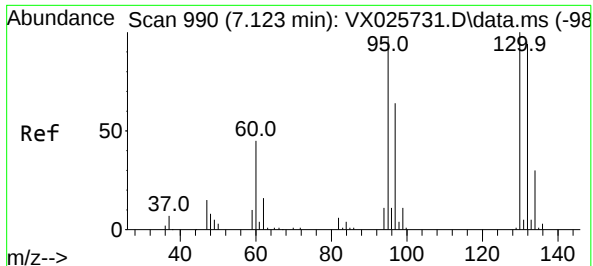
Ion Ratio Lower Upper

97 100

99 65.2 51.5 77.3

61 45.2 33.1 49.7



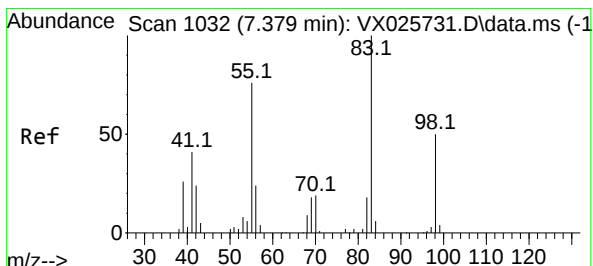
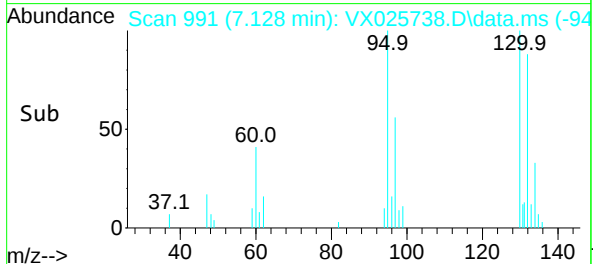
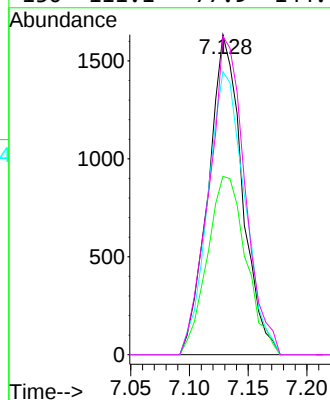
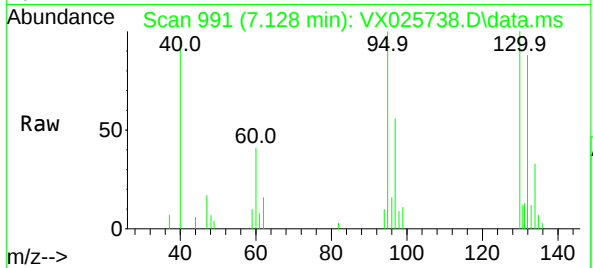


#34
Trichloroethene
Concen: 6.168 ug/L
RT: 7.128 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX025738.D
Acq: 11 Dec 2021 13:14

Instrument :
MSVOA_X
ClientSampleId :
EW5Q1

Tgt Ion: 95 Resp: 3274

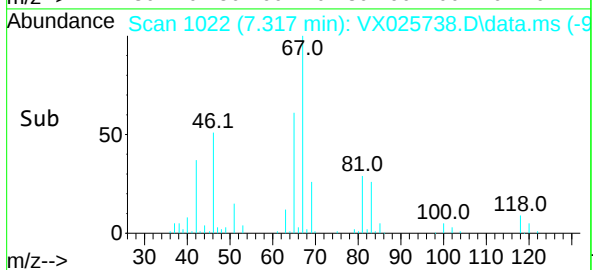
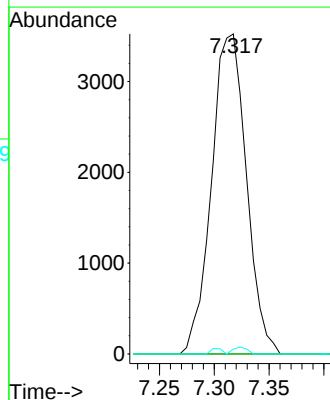
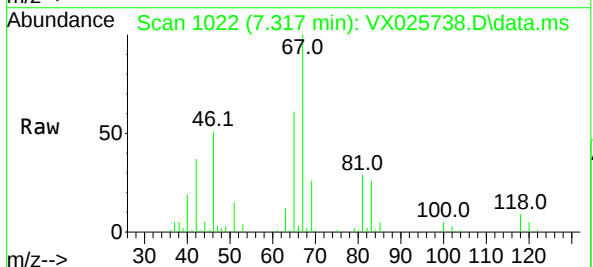
Ion	Ratio	Lower	Upper
95	100		
97	55.8	46.0	85.4
132	88.4	75.0	139.2
130	111.1	77.9	144.7

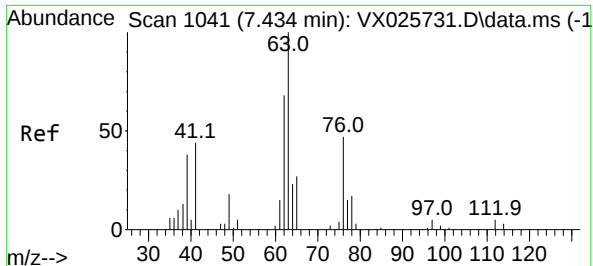


#35
Methylcyclohexane
Concen: 9.325 ug/L
RT: 7.317 min Scan# 1022
Delta R.T. -0.068 min
Lab File: VX025738.D
Acq: 11 Dec 2021 13:14

Tgt Ion: 83 Resp: 7791

Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.3	85.9#
98	0.5	41.1	61.7#





#37

1,2-Dichloropropane

Concen: 7.064 ug/L

RT: 7.311 min Scan# 1188

Delta R.T. -0.122 min

Lab File: VX025738.D

Acq: 11 Dec 2021 13:14

Instrument :

MSVOA_X

ClientSampleId :

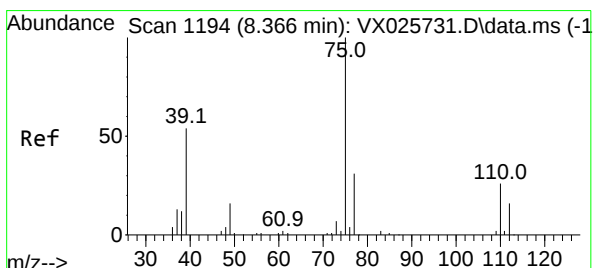
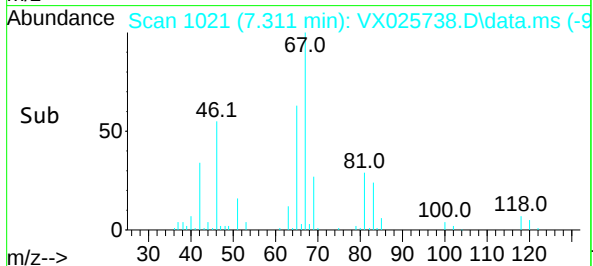
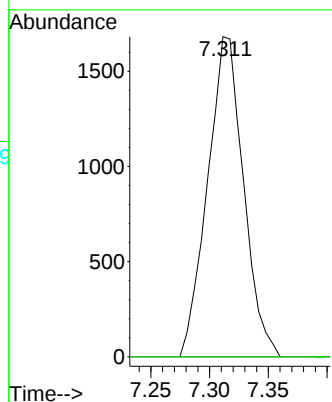
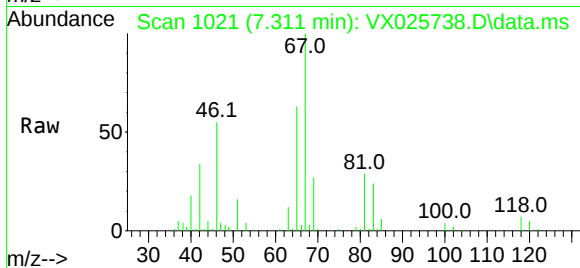
EW5Q1

Tgt Ion: 63 Resp: 3576

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 1.372 ug/L

RT: 8.329 min Scan# 1188

Delta R.T. -0.037 min

Lab File: VX025738.D

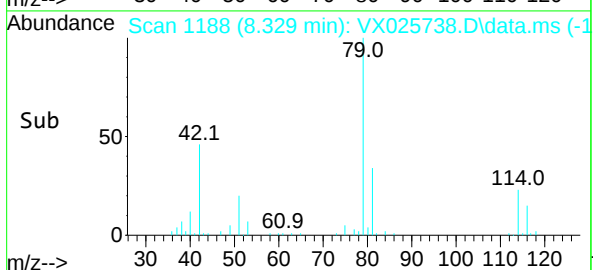
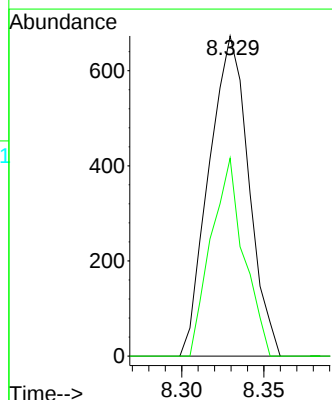
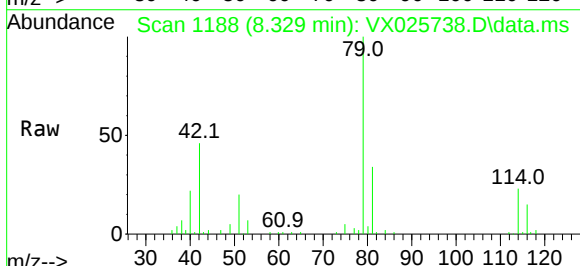
Acq: 11 Dec 2021 13:14

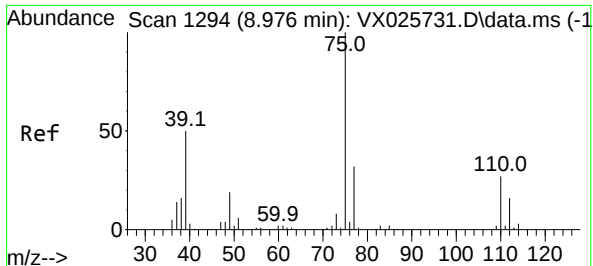
Tgt Ion: 75 Resp: 1131

Ion Ratio Lower Upper

75 100

77 61.8 22.3 41.3#

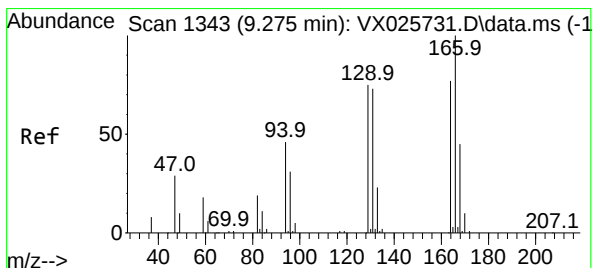
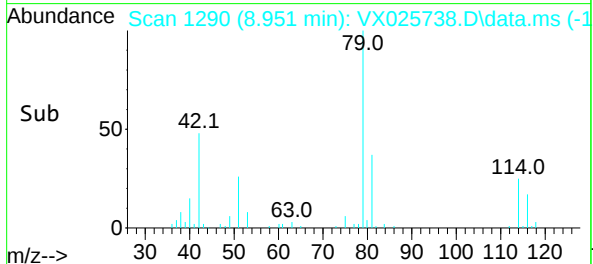
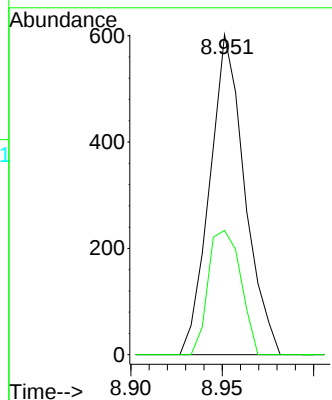
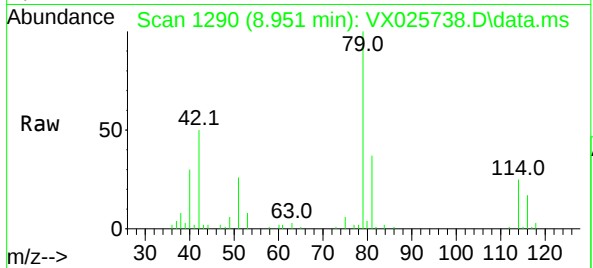




#44
trans-1,3-Dichloropropene
Concen: 1.013 ug/L
RT: 8.951 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX025738.D
Acq: 11 Dec 2021 13:14

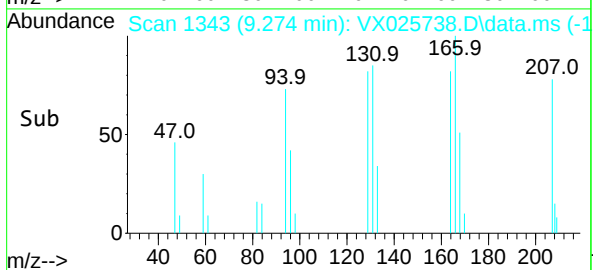
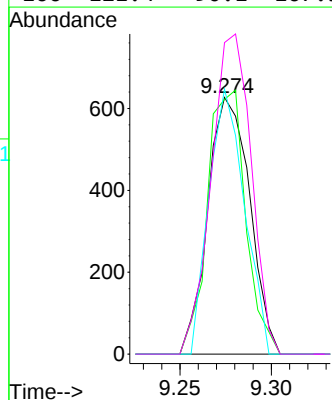
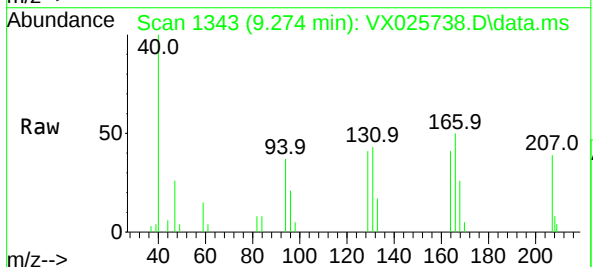
Instrument :
MSVOA_X
ClientSampleId :
EW5Q1

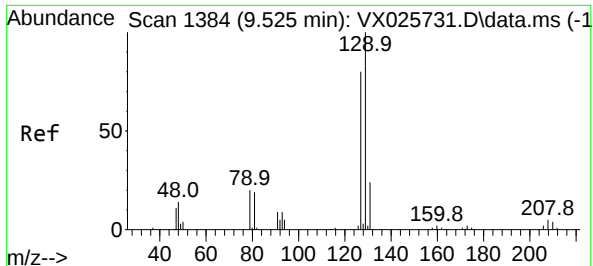
Tgt Ion: 75 Resp: 803
Ion Ratio Lower Upper
75 100
77 38.9 23.0 42.8



#46
Tetrachloroethene
Concen: 2.224 ug/L
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX025738.D
Acq: 11 Dec 2021 13:14

Tgt Ion: 164 Resp: 1001
Ion Ratio Lower Upper
164 100
129 99.2 64.7 120.1
131 103.2 63.2 117.4
166 121.4 90.1 167.3





#49

Dibromochloromethane

Concen: 1.518 ug/L

RT: 9.280 min Scan# 11

Delta R.T. -0.244 min

Lab File: VX025738.D

Acq: 11 Dec 2021 13:14

Instrument :

MSVOA_X

ClientSampleId :

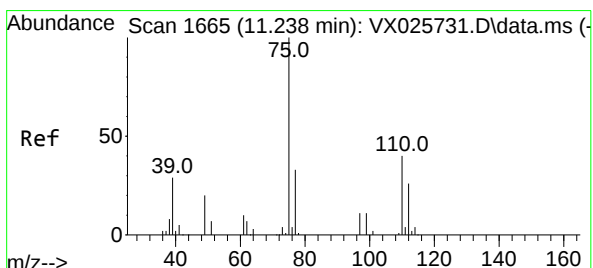
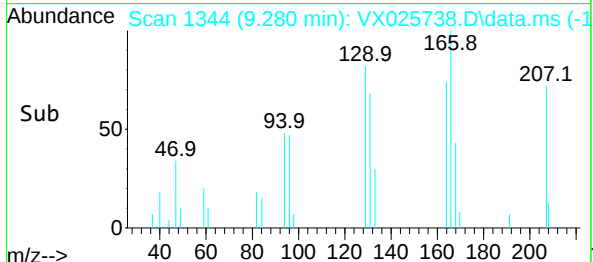
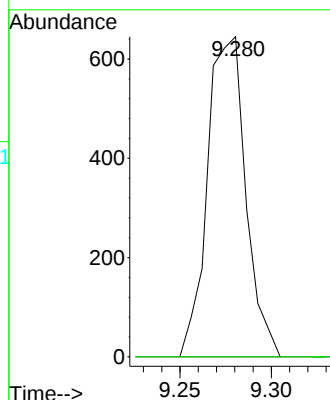
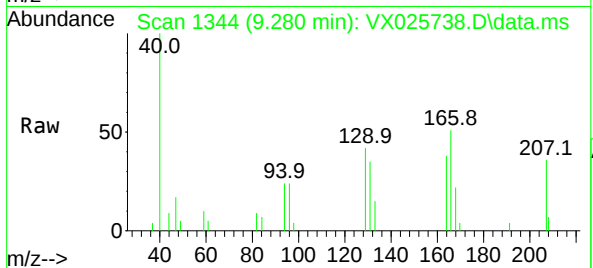
EW5Q1

Tgt Ion:129 Resp: 940

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.2#



#61

1,2,3-Trichloropropane

Concen: 7.030 ug/L

RT: 12.024 min Scan# 1794

Delta R.T. 0.786 min

Lab File: VX025738.D

Acq: 11 Dec 2021 13:14

Tgt Ion: 75 Resp: 4011

Ion Ratio Lower Upper

75 100

77 34.2 25.8 38.8

110 2.8 34.7 52.1#

