

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021522\
 Data File : VX027030.D
 Acq On : 15 Feb 2022 14:48
 Operator : JC/MD
 Sample : N1486-06
 Misc : 5.00g/5.00mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 16 01:36:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 16 01:34:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	127722	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.061	117	119285	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	64553	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	38538	33.993	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.980%
7) Chloroethane-d5	1.666	69	16674	22.921	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	45.840%#
11) 1,1-Dichloroethene-d2	2.294	63	62339	28.677	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.360%#
21) 2-Butanone-d5	4.483	46	61817	78.498	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.500%
24) Chloroform-d	5.062	84	84680	39.774	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.540%
26) 1,2-Dichloroethane-d4	5.958	65	56080	40.643	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.280%
32) Benzene-d6	5.971	84	174094	40.514	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.020%
36) 1,2-Dichloropropane-d6	7.306	67	52981	41.507	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.020%
41) Toluene-d8	8.653	98	155308	39.502	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.000%#
43) trans-1,3-Dichloroprop...	8.958	79	19800	34.021	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.040%
47) 2-Hexanone-d5	9.415	63	45954	83.274	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.270%
56) 1,1,2,2-Tetrachloroeth...	11.201	84	63835	42.317	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.640%
66) 1,2-Dichlorobenzene-d4	12.323	152	62260	42.460	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.920%
Target Compounds						
					Qvalue	
13) Acetone	2.410	43	136858	206.501	ug/L	99
15) Methyl Acetate	2.715	43	1860	1.817	ug/L #	86
16) Methylene chloride	2.788	84	166612	170.211	ug/L	98
19) 1,1-Dichloroethane	3.605	63	224993	133.405	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	52788	50.875	ug/L	97
23) Bromochloromethane	4.904	128	74396	140.407	ug/L	98
25) Chloroform	5.099	83	45595	25.273	ug/L	96
27) 1,2-Dichloroethane	6.086	62	150655	107.963	ug/L	99
30) 1,1,1-Trichloroethane	5.379	97	87648	56.465	ug/L	99
31) Carbon tetrachloride	5.672	117	90069	65.411	ug/L	99
34) Trichloroethene	7.123	95	62101	56.327	ug/L	99
37) 1,2-Dichloropropane	7.434	63	62158	64.122	ug/L	100
39) cis-1,3-Dichloropropene	8.324	75	1503	1.035	ug/L #	75
40) 4-Methyl-2-pentanone	8.592	43	150257	109.046	ug/L	100
45) 1,1,2-Trichloroethane	9.159	97	120053	126.663	ug/L	98
46) Tetrachloroethene	9.275	164	96152	117.789	ug/L	96
49) Dibromochloromethane	9.525	129	136987	131.789	ug/L	100
50) 1,2-Dibromoethane	9.610	107	91027	91.484	ug/L	99
55) Styrene	10.665	104	142933	50.275	ug/L	93

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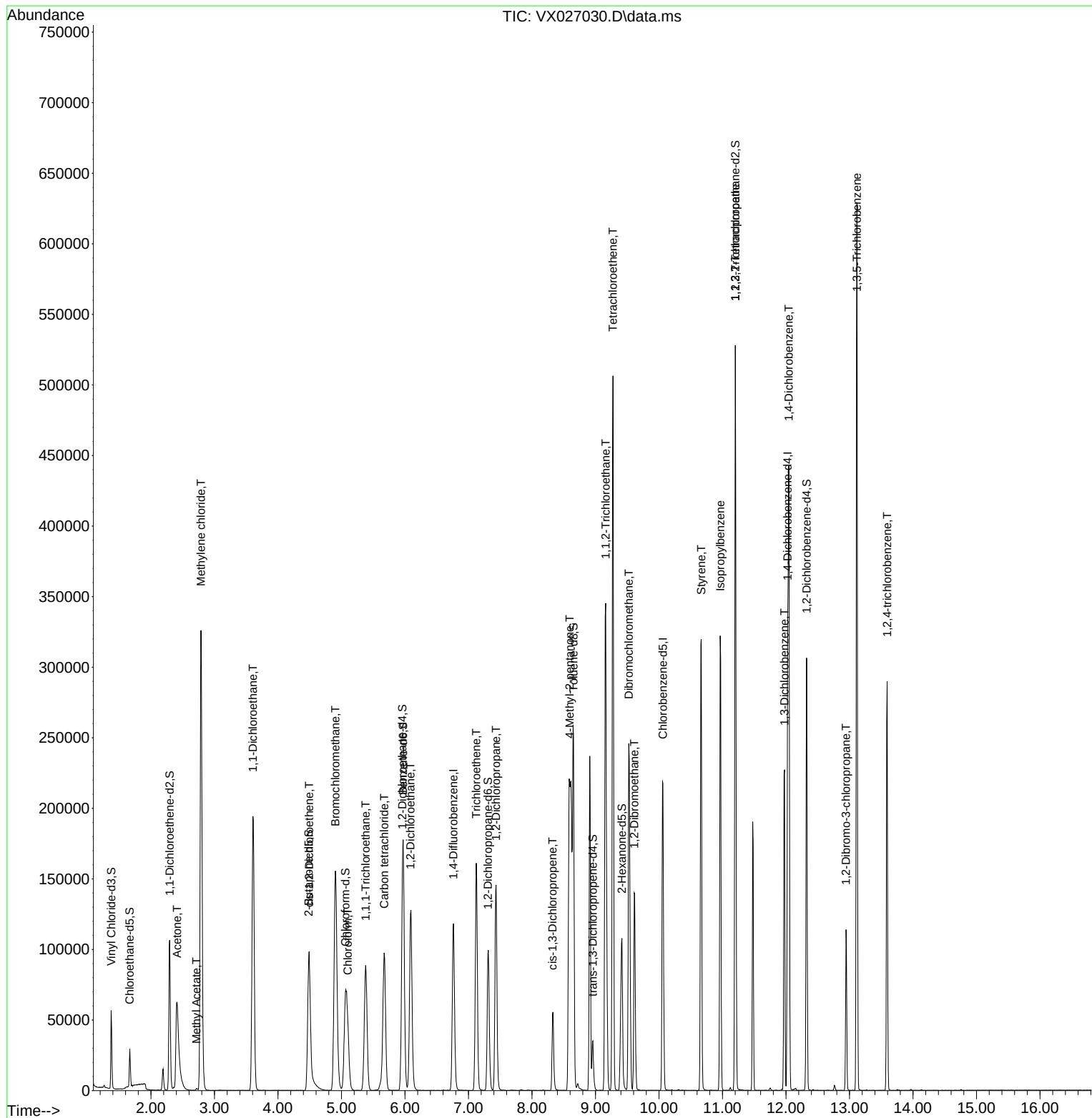
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	10.964	105	180746	38.754	ug/L	100
61) 1,2,3-Trichloropropane	11.201	75	10874	8.881	ug/L #	1
64) 1,3-Dichlorobenzene	11.976	146	75487	36.384	ug/L	97
65) 1,4-Dichlorobenzene	12.043	146	133071	63.737	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	20827	70.047	ug/L	92
69) 1,3,5-Trichlorobenzene	13.116	180	148580	104.212	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	67130	53.331	ug/L	98

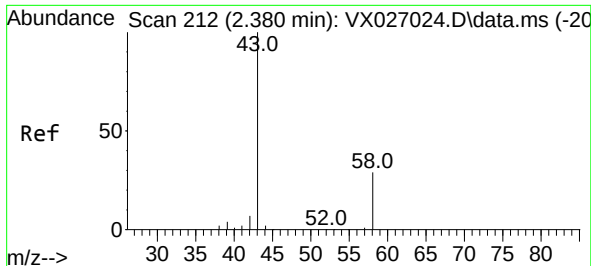
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 206.501 ug/L

RT: 2.410 min Scan# 21

Delta R.T. 0.031 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Instrument :

MSVOA_X

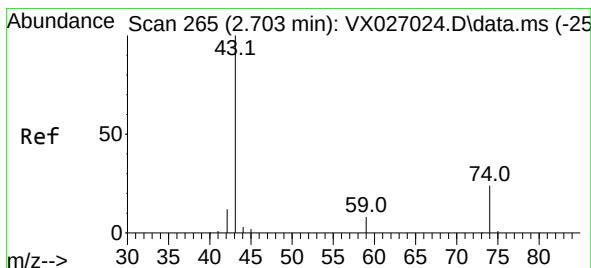
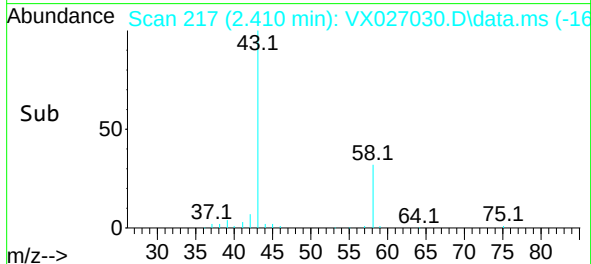
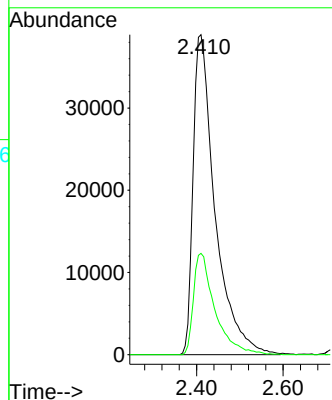
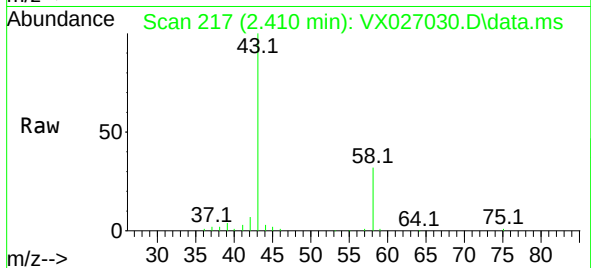
ClientSampleId :

Tgt Ion: 43 Resp: 136858

Ion Ratio Lower Upper

43 100

58 31.0 0.0 61.4



#15

Methyl Acetate

Concen: 1.817 ug/L

RT: 2.715 min Scan# 267

Delta R.T. 0.012 min

Lab File: VX027030.D

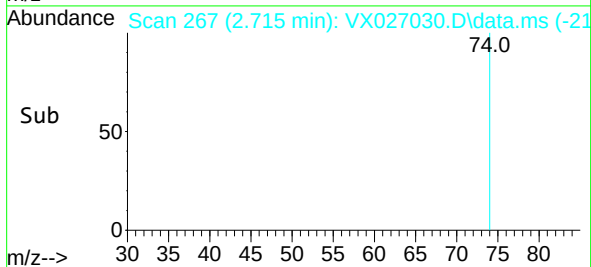
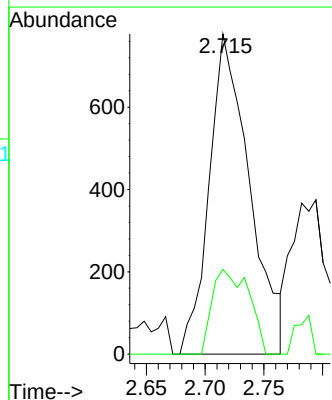
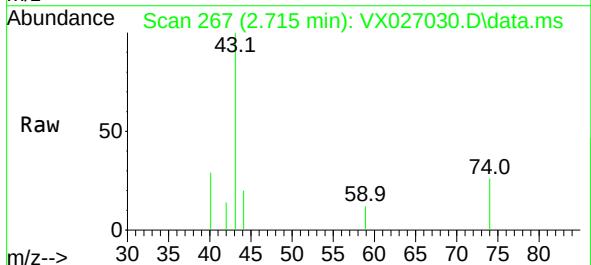
Acq: 15 Feb 2022 14:48

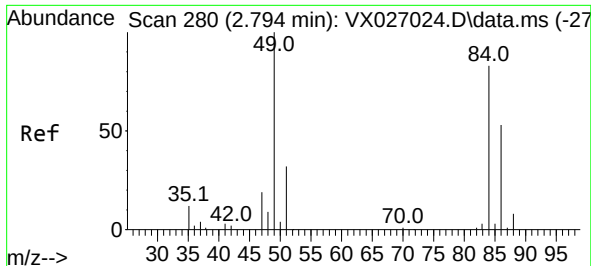
Tgt Ion: 43 Resp: 1860

Ion Ratio Lower Upper

43 100

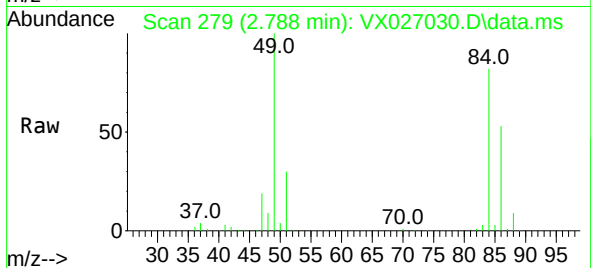
74 16.1 18.2 27.4#



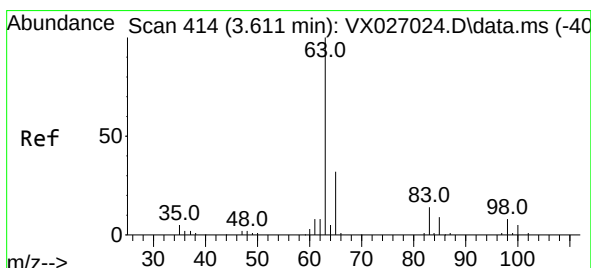
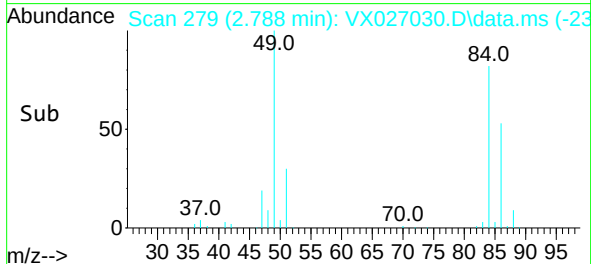
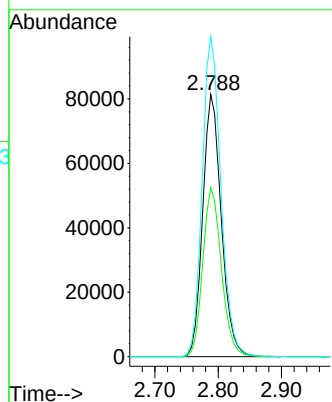


#16
Methylene chloride
Concen: 170.211 ug/L
RT: 2.788 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

Instrument :
MSVOA_X
ClientSampleId :

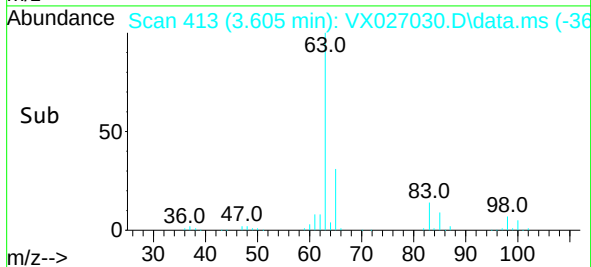
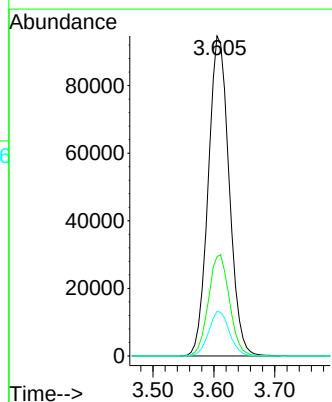
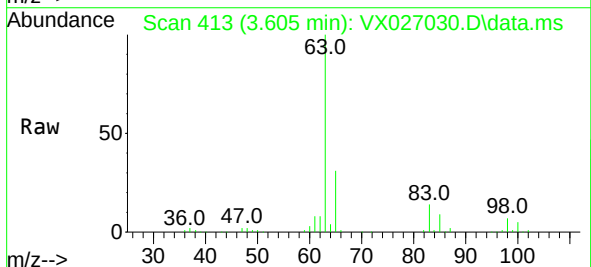


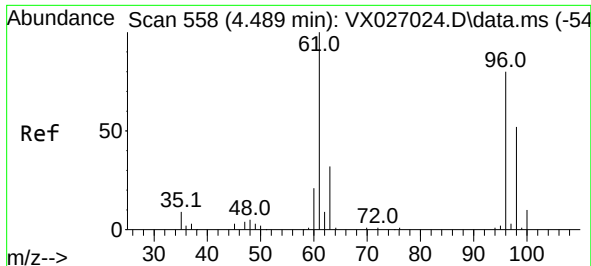
Tgt Ion: 84 Resp: 166612
Ion Ratio Lower Upper
84 100
86 64.5 44.8 83.2
49 122.0 87.0 161.6



#19
1,1-Dichloroethane
Concen: 133.405 ug/L
RT: 3.605 min Scan# 413
Delta R.T. -0.006 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

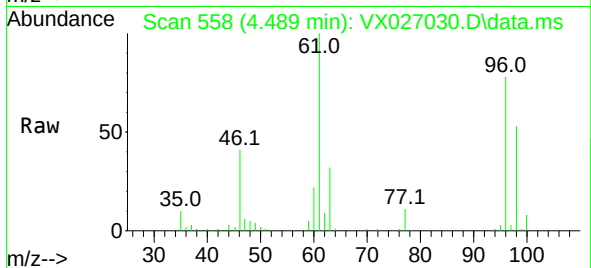
Tgt Ion: 63 Resp: 224993
Ion Ratio Lower Upper
63 100
65 31.0 22.9 42.5
83 14.0 10.1 18.9



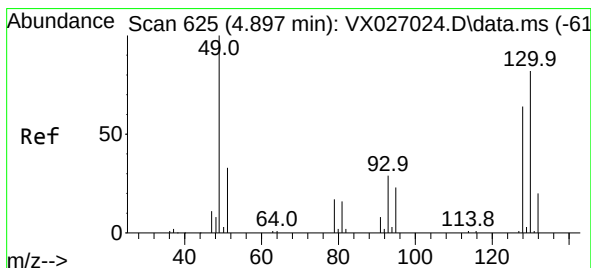
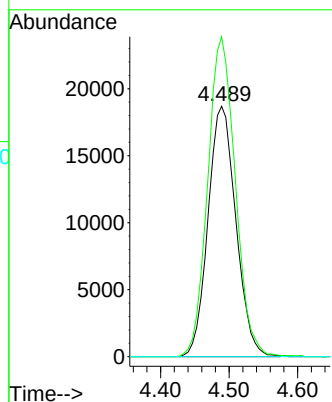
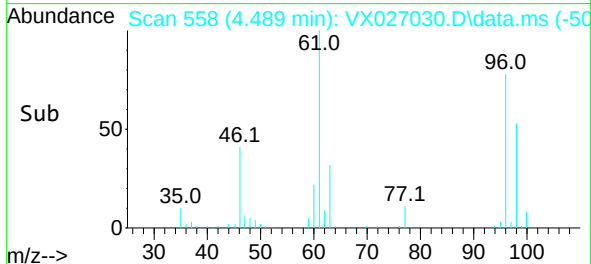


#20
 cis-1,2-Dichloroethene
 Concen: 50.875 ug/L
 RT: 4.489 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX027030.D
 Acq: 15 Feb 2022 14:48

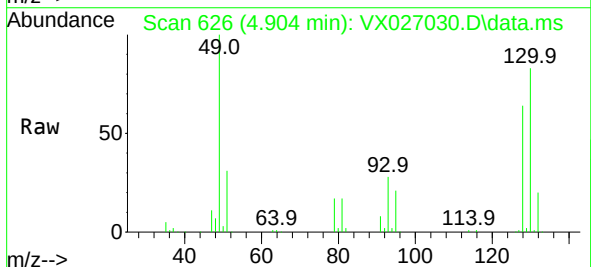
Instrument :
 MSVOA_X
 ClientSampleId :



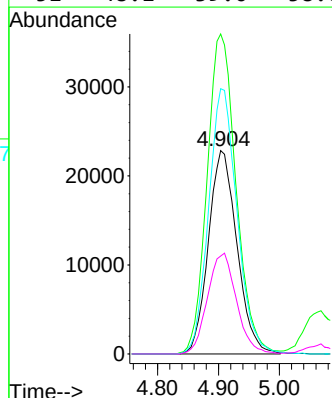
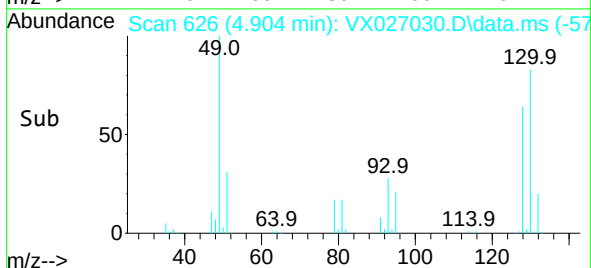
Tgt Ion: 96 Resp: 52788
 Ion Ratio Lower Upper
 96 100
 61 127.8 86.7 161.1
 68 0.0 0.0 0.0

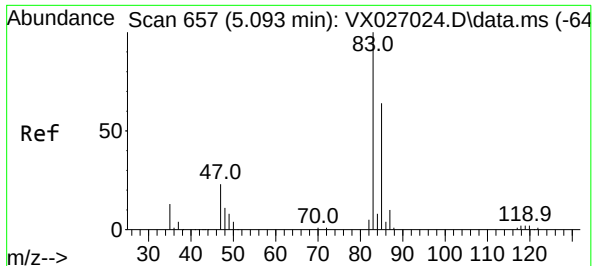


#23
 Bromochloromethane
 Concen: 140.407 ug/L
 RT: 4.904 min Scan# 626
 Delta R.T. 0.006 min
 Lab File: VX027030.D
 Acq: 15 Feb 2022 14:48



Tgt Ion: 128 Resp: 74396
 Ion Ratio Lower Upper
 128 100
 49 157.3 110.2 204.6
 130 130.4 88.2 163.8
 51 48.1 39.0 58.6





#25

Chloroform

Concen: 25.273 ug/L

RT: 5.099 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Instrument :

MSVOA_X

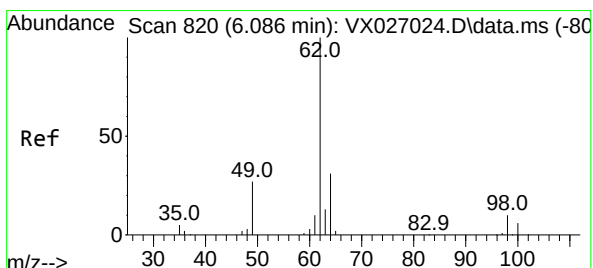
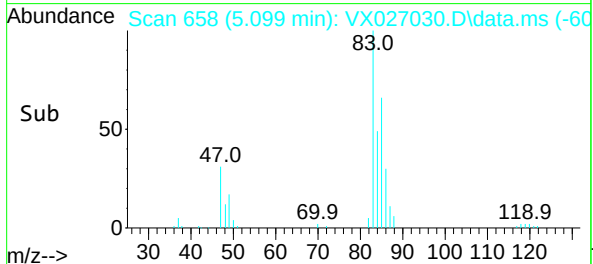
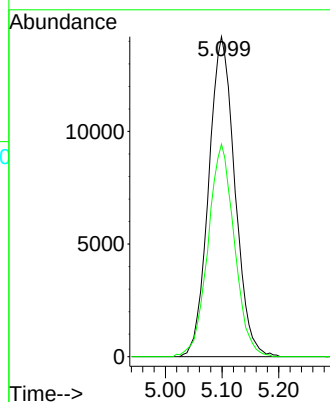
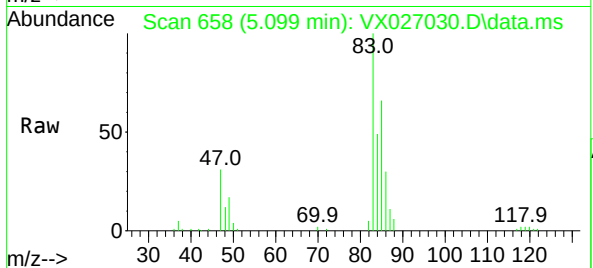
ClientSampleId :

Tgt Ion: 83 Resp: 45595

Ion Ratio Lower Upper

83 100

85 66.4 44.2 82.2



#27

1,2-Dichloroethane

Concen: 107.963 ug/L

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX027030.D

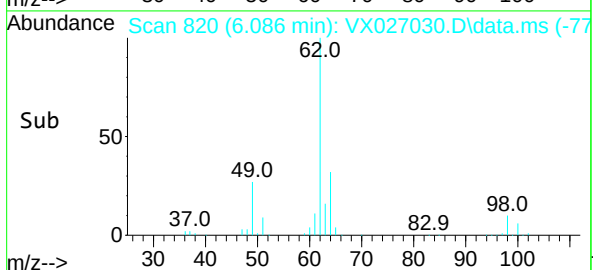
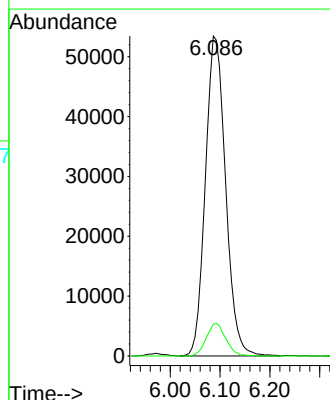
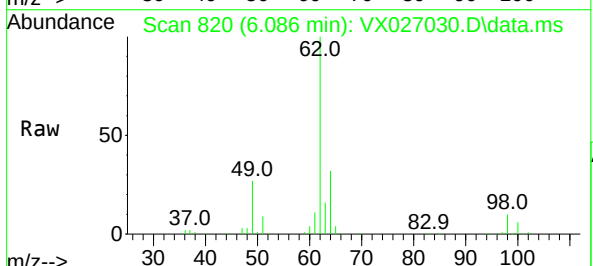
Acq: 15 Feb 2022 14:48

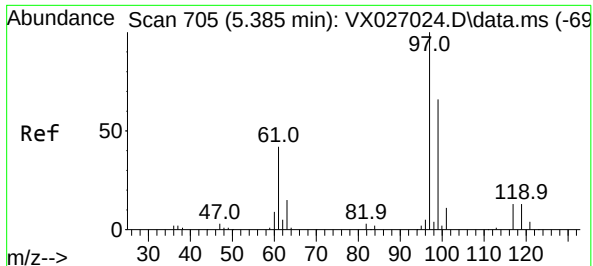
Tgt Ion: 62 Resp: 150655

Ion Ratio Lower Upper

62 100

98 10.0 8.2 12.2

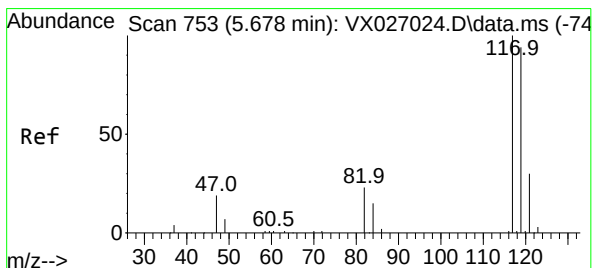
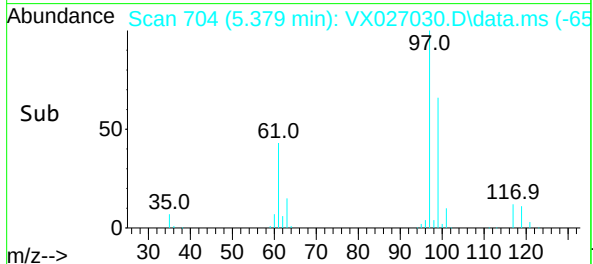
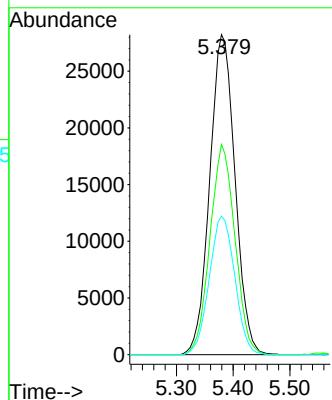
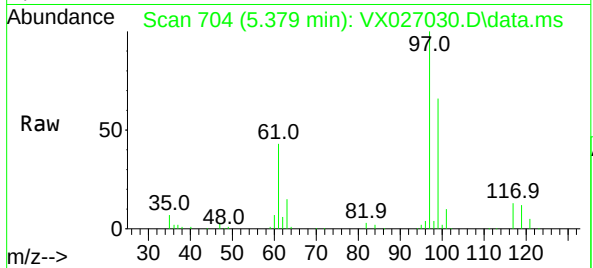




#30
1,1,1-Trichloroethane
Concen: 56.465 ug/L
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

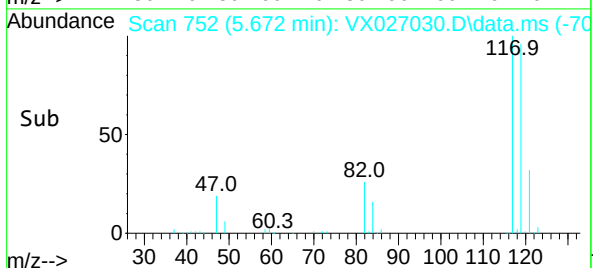
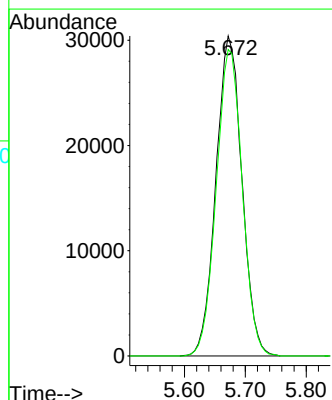
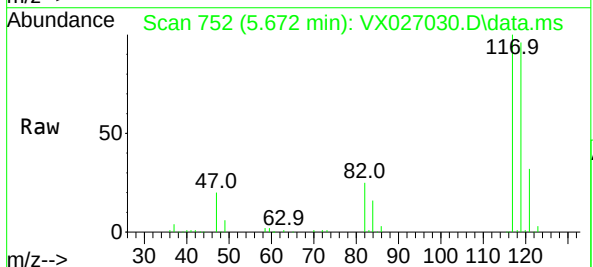
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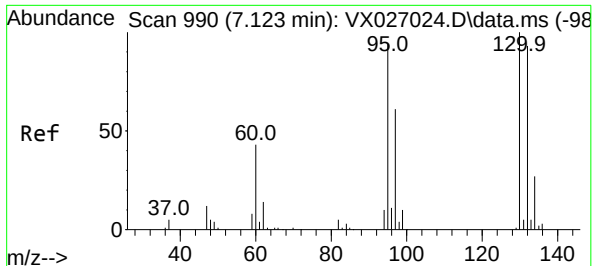
Tgt Ion: 97 Resp: 87648
Ion Ratio Lower Upper
97 100
99 64.8 51.5 77.3
61 43.6 35.2 52.8



#31
Carbon tetrachloride
Concen: 65.411 ug/L
RT: 5.672 min Scan# 752
Delta R.T. -0.006 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

Tgt Ion: 117 Resp: 90069
Ion Ratio Lower Upper
117 100
119 96.0 77.8 116.8

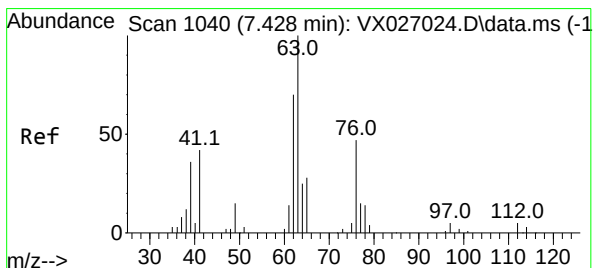
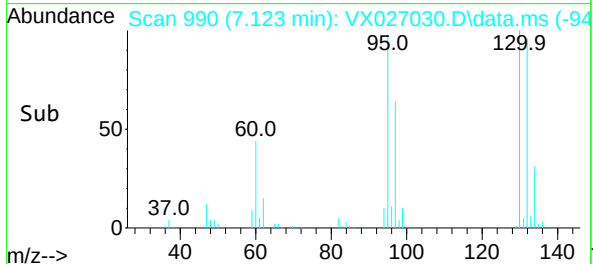
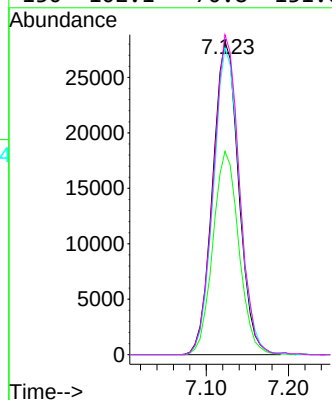
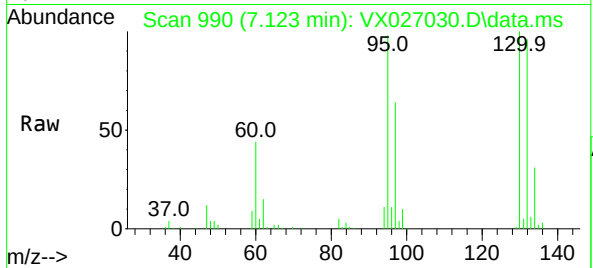




#34
Trichloroethene
Concen: 56.327 ug/L
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

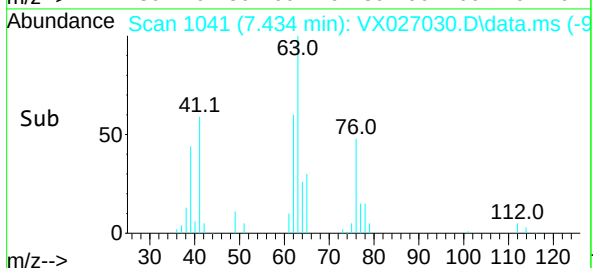
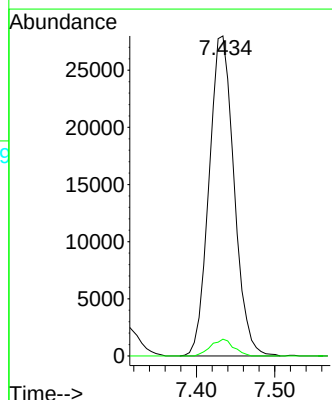
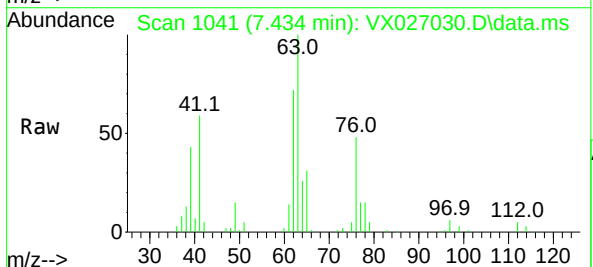
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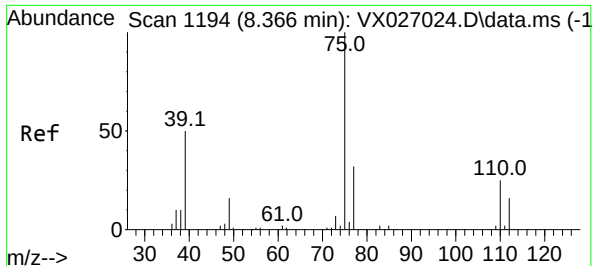
Tgt Ion: 95 Resp: 62101
Ion Ratio Lower Upper
95 100
97 64.9 45.5 84.5
132 97.9 69.9 129.7
130 102.1 70.8 131.6



#37
1,2-Dichloropropane
Concen: 64.122 ug/L
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

Tgt Ion: 63 Resp: 62158
Ion Ratio Lower Upper
63 100
112 4.8 3.8 5.8





#39

cis-1,3-Dichloropropene

Concen: 1.035 ug/L

RT: 8.324 min Scan# 1194

Delta R.T. -0.043 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Instrument :

MSVOA_X

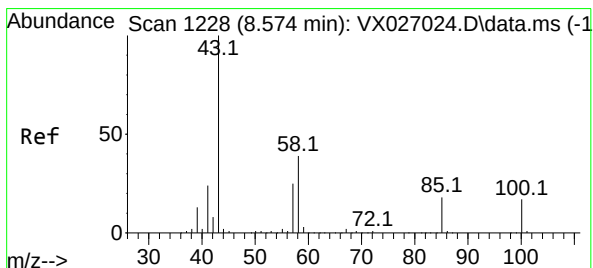
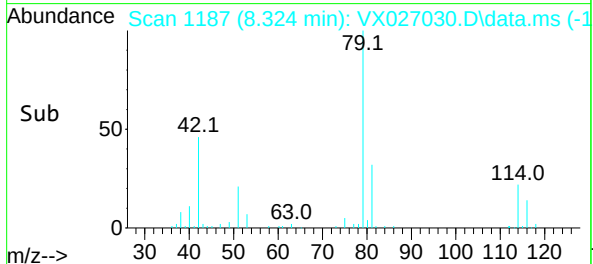
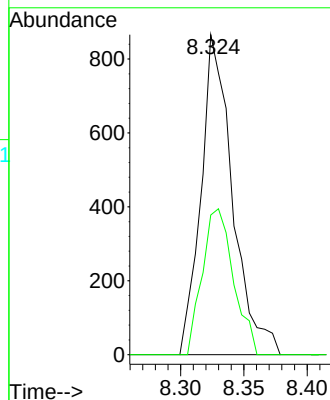
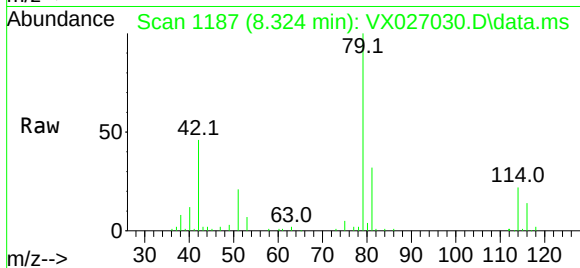
ClientSampleId :

Tgt Ion: 75 Resp: 1503

Ion Ratio Lower Upper

75 100

77 43.6 21.1 39.1#



#40

4-Methyl-2-pentanone

Concen: 109.046 ug/L

RT: 8.592 min Scan# 1231

Delta R.T. 0.018 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

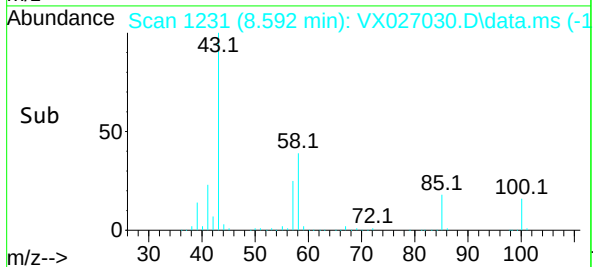
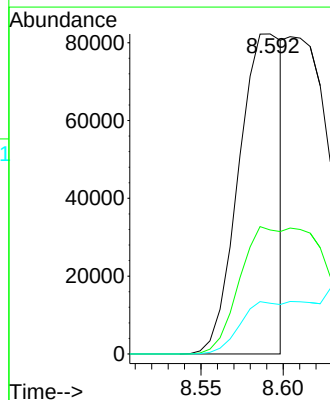
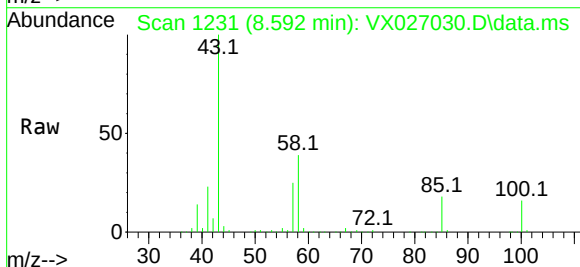
Tgt Ion: 43 Resp: 150257

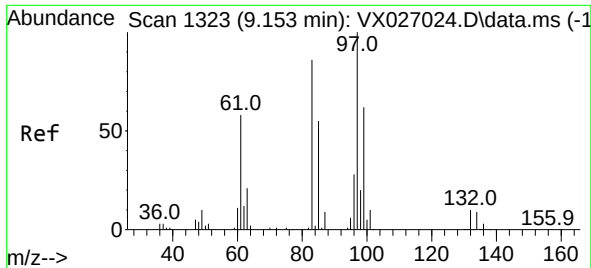
Ion Ratio Lower Upper

43 100

58 38.8 31.0 46.6

100 15.6 13.0 19.4





#45

1,1,2-Trichloroethane

Concen: 126.663 ug/L

RT: 9.159 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 97 Resp: 120053

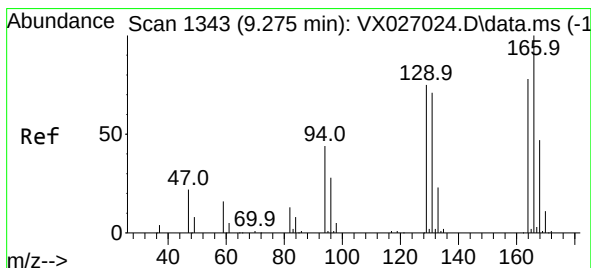
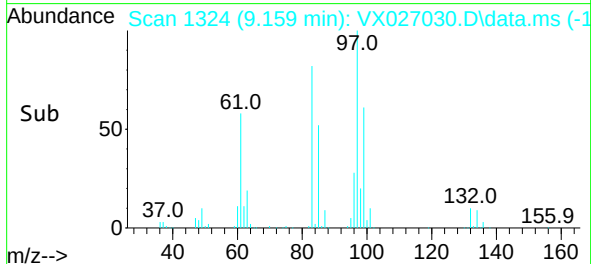
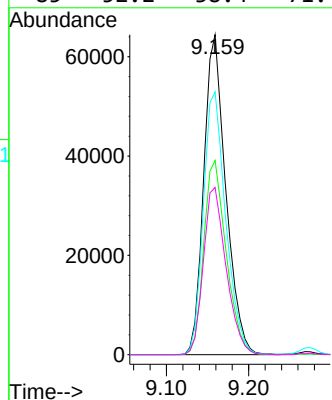
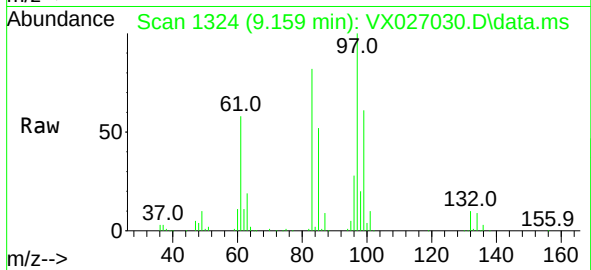
Ion Ratio Lower Upper

97 100

99 60.7 43.3 80.5

83 82.2 57.5 106.9

85 52.2 38.4 71.4



#46

Tetrachloroethene

Concen: 117.789 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Tgt Ion:164 Resp: 96152

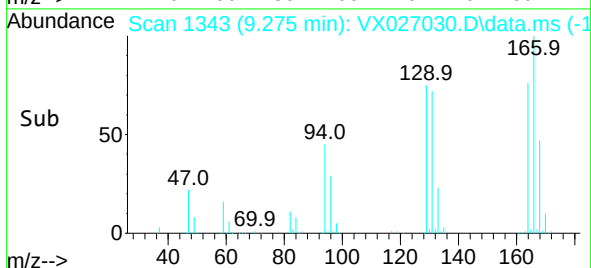
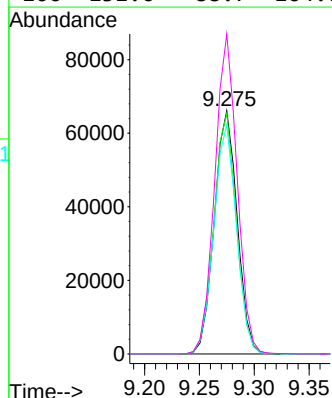
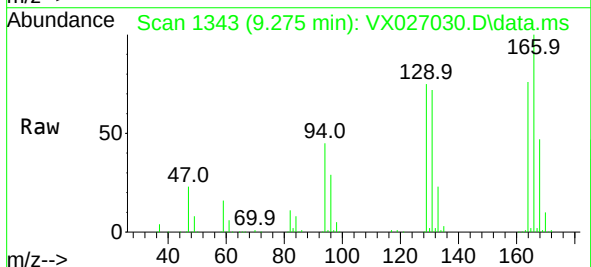
Ion Ratio Lower Upper

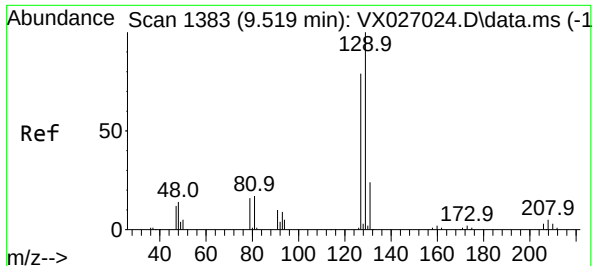
164 100

129 98.9 65.5 121.7

131 94.2 64.3 119.3

166 131.6 88.7 164.7





#49

Dibromochloromethane

Concen: 131.789 ug/L

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Instrument :

MSVOA_X

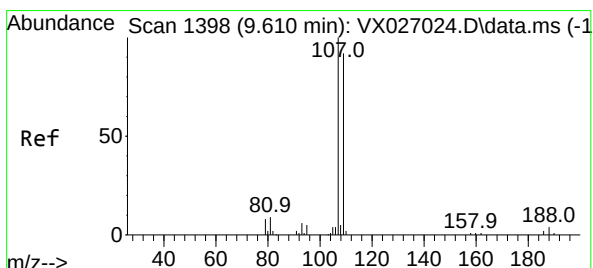
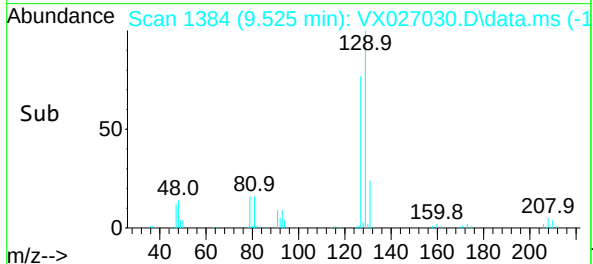
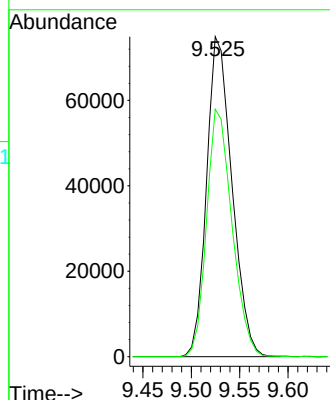
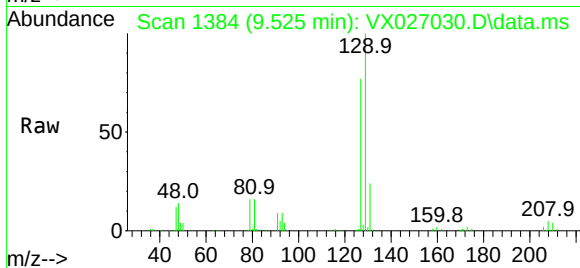
ClientSampleId :

Tgt Ion:129 Resp: 136987

Ion Ratio Lower Upper

129 100

127 77.3 54.3 100.9



#50

1,2-Dibromoethane

Concen: 91.484 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

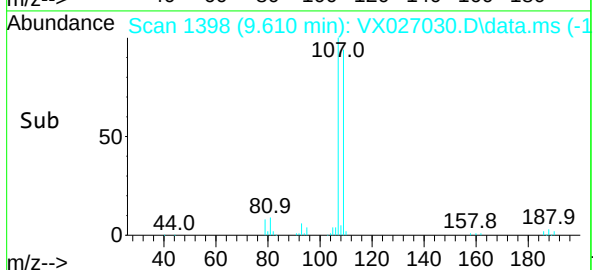
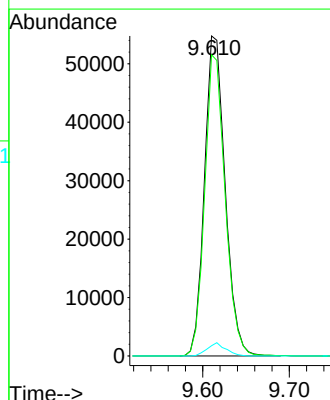
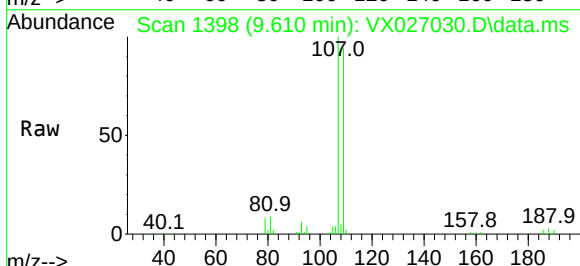
Tgt Ion:107 Resp: 91027

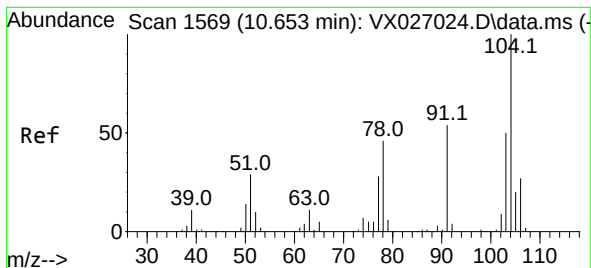
Ion Ratio Lower Upper

107 100

109 94.1 64.9 120.5

188 3.2 2.7 4.1





#55

Styrene

Concen: 50.275 ug/L

RT: 10.665 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Instrument :

MSVOA_X

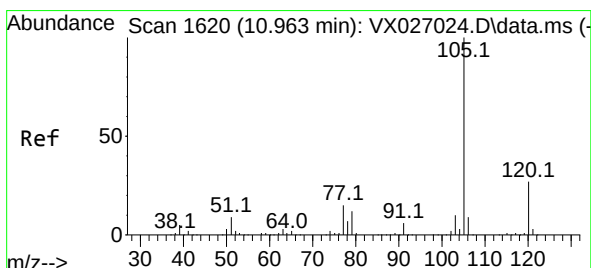
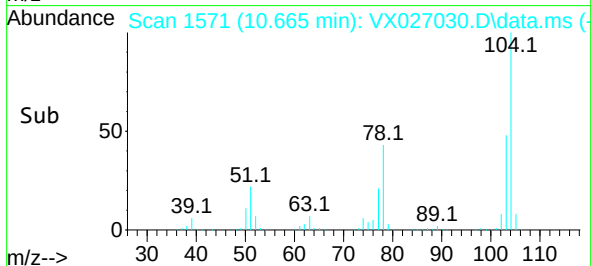
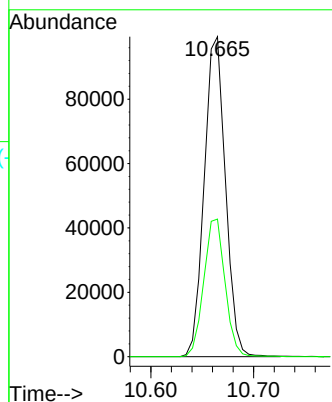
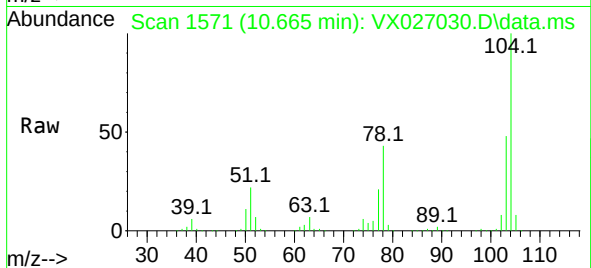
ClientSampleId :

Tgt Ion:104 Resp: 142933

Ion Ratio Lower Upper

104 100

78 43.0 33.3 61.9



#60

Isopropylbenzene

Concen: 38.754 ug/L

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

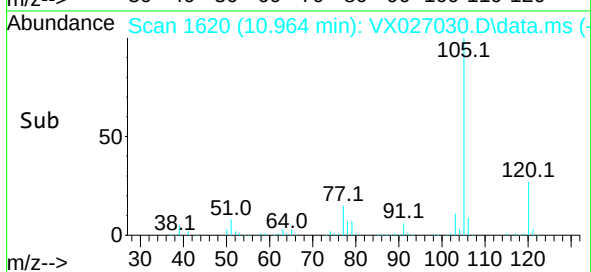
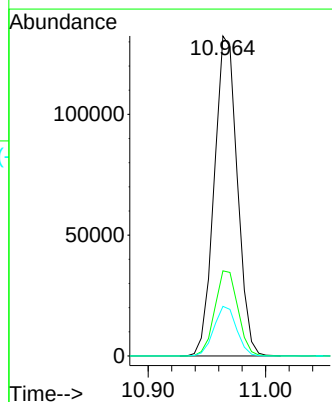
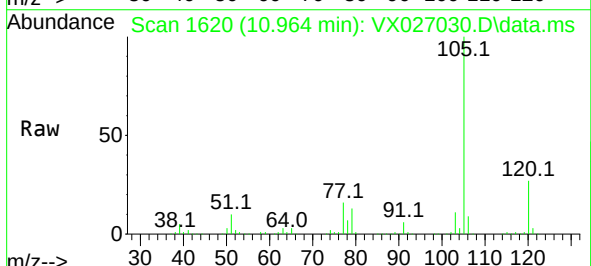
Tgt Ion:105 Resp: 180746

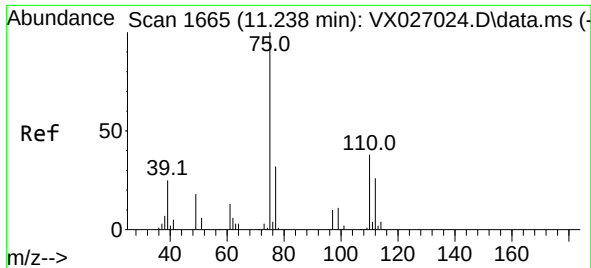
Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

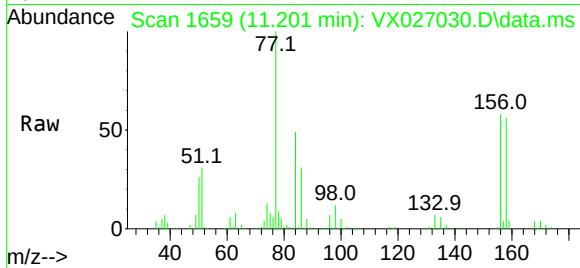
77 15.3 12.5 18.7



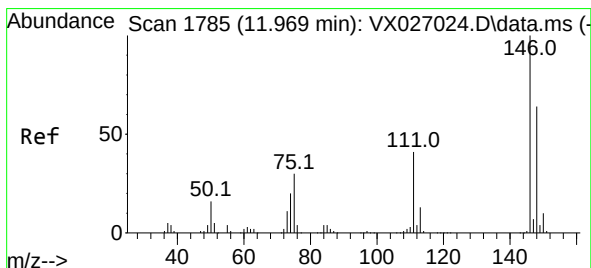
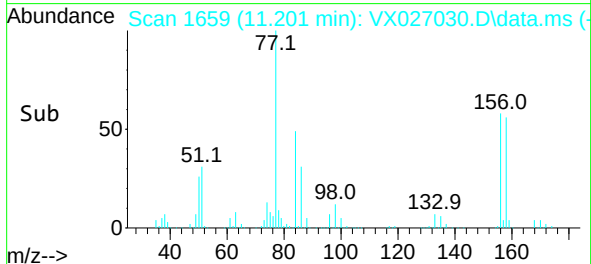
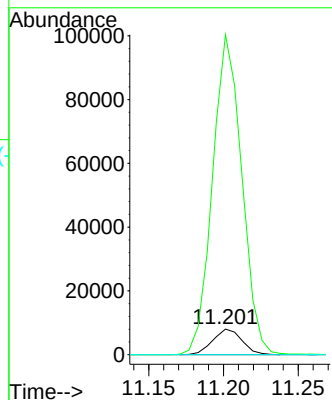


#61
1,2,3-Trichloropropane
Concen: 8.881 ug/L
RT: 11.201 min Scan# 1659
Delta R.T. -0.037 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

Instrument :
MSVOA_X
ClientSampleId :

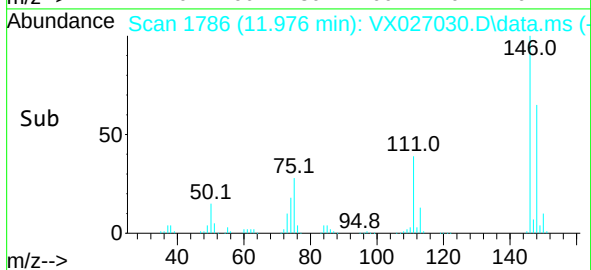
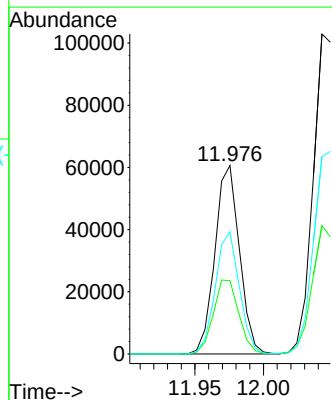
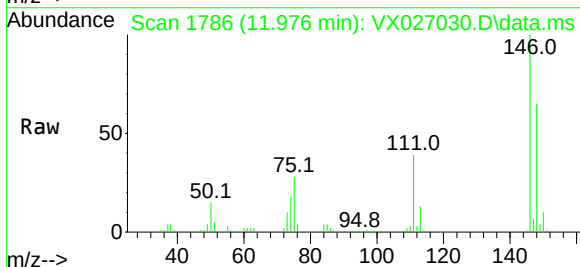


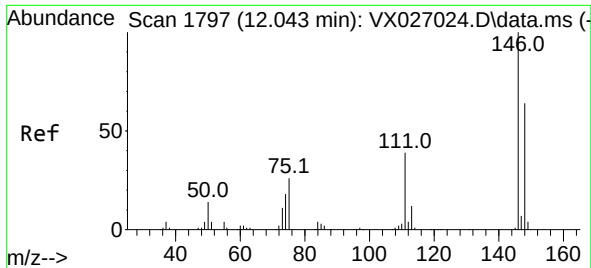
Tgt Ion: 75 Resp: 10874
Ion Ratio Lower Upper
75 100
77 1258.5 25.8 38.6#
110 0.0 33.4 50.0#



#64
1,3-Dichlorobenzene
Concen: 36.384 ug/L
RT: 11.976 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

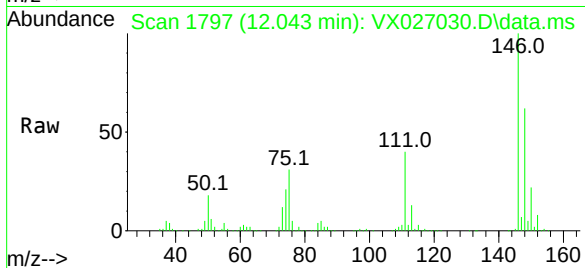
Tgt Ion: 146 Resp: 75487
Ion Ratio Lower Upper
146 100
111 38.9 28.3 52.7
148 64.9 43.8 81.4



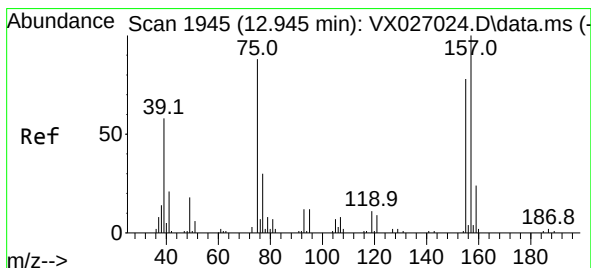
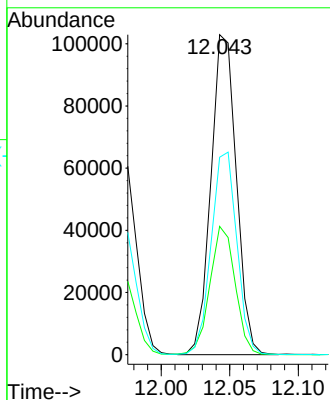
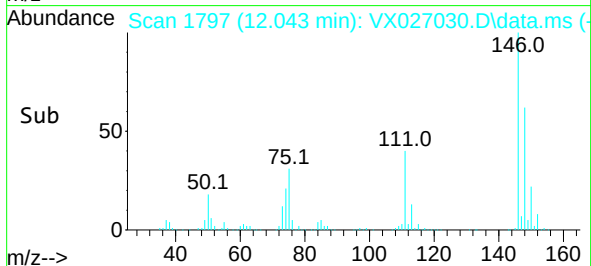


#65
1,4-Dichlorobenzene
Concen: 63.737 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

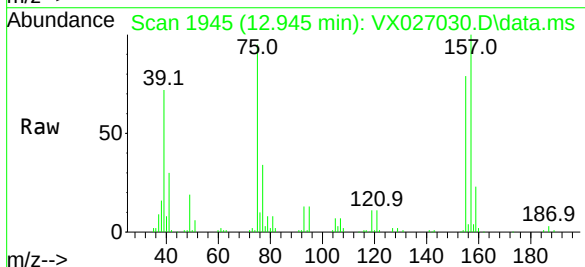
Instrument :
MSVOA_X
ClientSampleId :



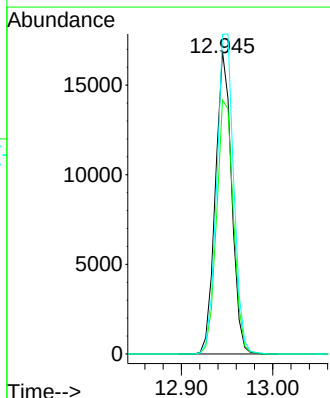
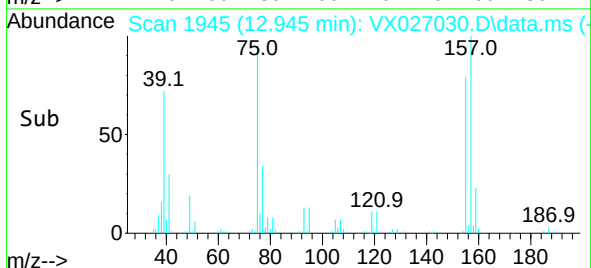
Tgt Ion:146 Resp: 133071
Ion Ratio Lower Upper
146 100
111 40.1 26.5 49.3
148 61.7 43.5 80.7

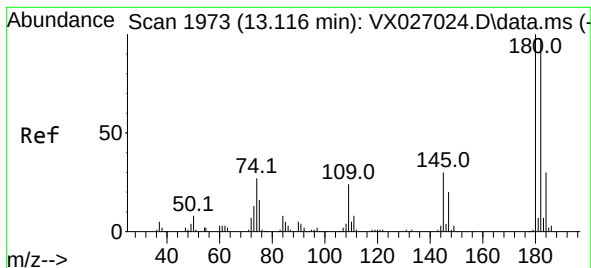


#68
1,2-Dibromo-3-chloropropane
Concen: 70.047 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48



Tgt Ion: 75 Resp: 20827
Ion Ratio Lower Upper
75 100
155 84.0 71.6 107.4
157 105.8 93.8 140.6





#69

1,3,5-Trichlorobenzene

Concen: 104.212 ug/L

RT: 13.116 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180 Resp: 148580

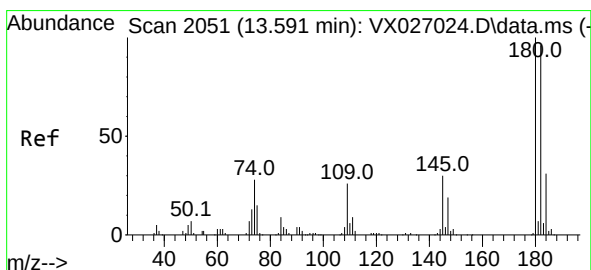
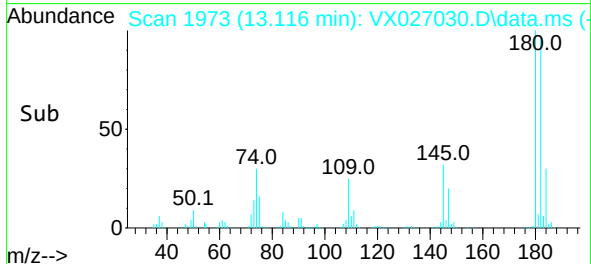
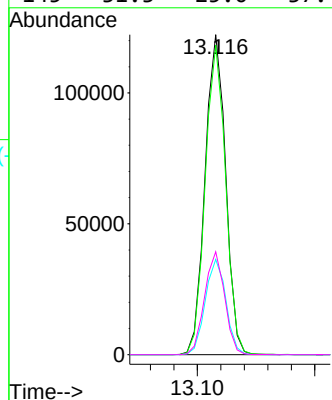
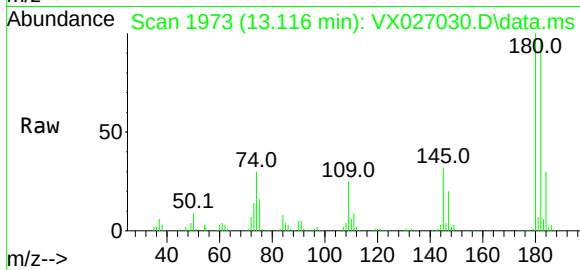
Ion Ratio Lower Upper

180 100

182 95.7 75.6 113.4

184 29.9 23.6 35.4

145 31.3 25.0 37.4



#70

1,2,4-trichlorobenzene

Concen: 53.331 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Tgt Ion:180 Resp: 67130

Ion Ratio Lower Upper

180 100

182 95.9 75.4 113.2

145 31.9 25.0 37.4

