

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122321\
 Data File : VX025993.D
 Acq On : 24 Dec 2021 00:56
 Operator : JC/MD
 Sample : M5154-09ME
 Misc : 7.03g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 24 06:49:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML122321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 23 21:00:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	227379	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.061	117	207278	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	111802	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	83642	51.873	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 103.740%	
7) Chloroethane-d5	1.648	69	31704	24.603	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	= 49.200%#	
11) 1,1-Dichloroethene-d2	2.276	63	137211	42.941	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	= 85.880%	
21) 2-Butanone-d5	4.501	46	113454	81.157	ug/L	0.04
Spiked Amount	100.000	Range	40 - 130	Recovery	= 81.160%	
24) Chloroform-d	5.062	84	160852	49.849	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 99.700%	
26) 1,2-Dichloroethane-d4	5.958	65	115958	53.077	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.160%	
32) Benzene-d6	5.970	84	347336	58.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 116.440%	
36) 1,2-Dichloropropane-d6	7.312	67	105508	56.891	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 113.780%	
41) Toluene-d8	8.653	98	312683	56.132	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 112.260%	
43) trans-1,3-Dichloroprop...	8.952	79	30779	38.146	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 76.300%	
47) 2-Hexanone-d5	9.409	63	114836	119.979	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	= 119.980%	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	150730	55.120	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 110.240%	
66) 1,2-Dichlorobenzene-d4	12.323	152	131231	62.115	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 124.240%#	
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.276	101	1492	0.913	ug/L #	17
13) Acetone	2.422	43	2081	2.723	ug/L	99
15) Methyl Acetate	2.745	43	3937	1.869	ug/L #	98
35) Methylcyclohexane	7.373	83	5145	1.931	ug/L #	71
37) 1,2-Dichloropropane	7.312	63	12554	7.514	ug/L #	90
39) cis-1,3-Dichloropropene	8.324	75	2587	1.078	ug/L #	74
42) Toluene	8.720	91	30241	4.314	ug/L	99
44) trans-1,3-Dichloropropene	8.952	75	1666	0.731	ug/L	98
45) 1,1,2-Trichloroethane	9.104	97	3193	1.979	ug/L #	21
52) Ethylbenzene	10.195	91	1260179	165.766	ug/L	96
53) m,p-Xylene	10.305	106	1463733	504.392	ug/L	96
54) o-Xylene	10.646	106	217982	75.833	ug/L	89
55) Styrene	10.646	104	11128	2.293	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	11.219	83	6054	2.233	ug/L #	46
60) Isopropylbenzene	10.963	105	93680	12.196	ug/L	96
62) 1,3,5-Trimethylbenzene	11.457	105	116767	18.156	ug/L	95
63) 1,2,4-Trimethylbenzene	11.756	105	495174	76.855	ug/L #	81
67) 1,2-Dichlorobenzene	12.341	146	7109	2.098	ug/L #	76
68) 1,2-Dibromo-3-chloropr...	12.963	75	1462	2.484	ug/L #	5

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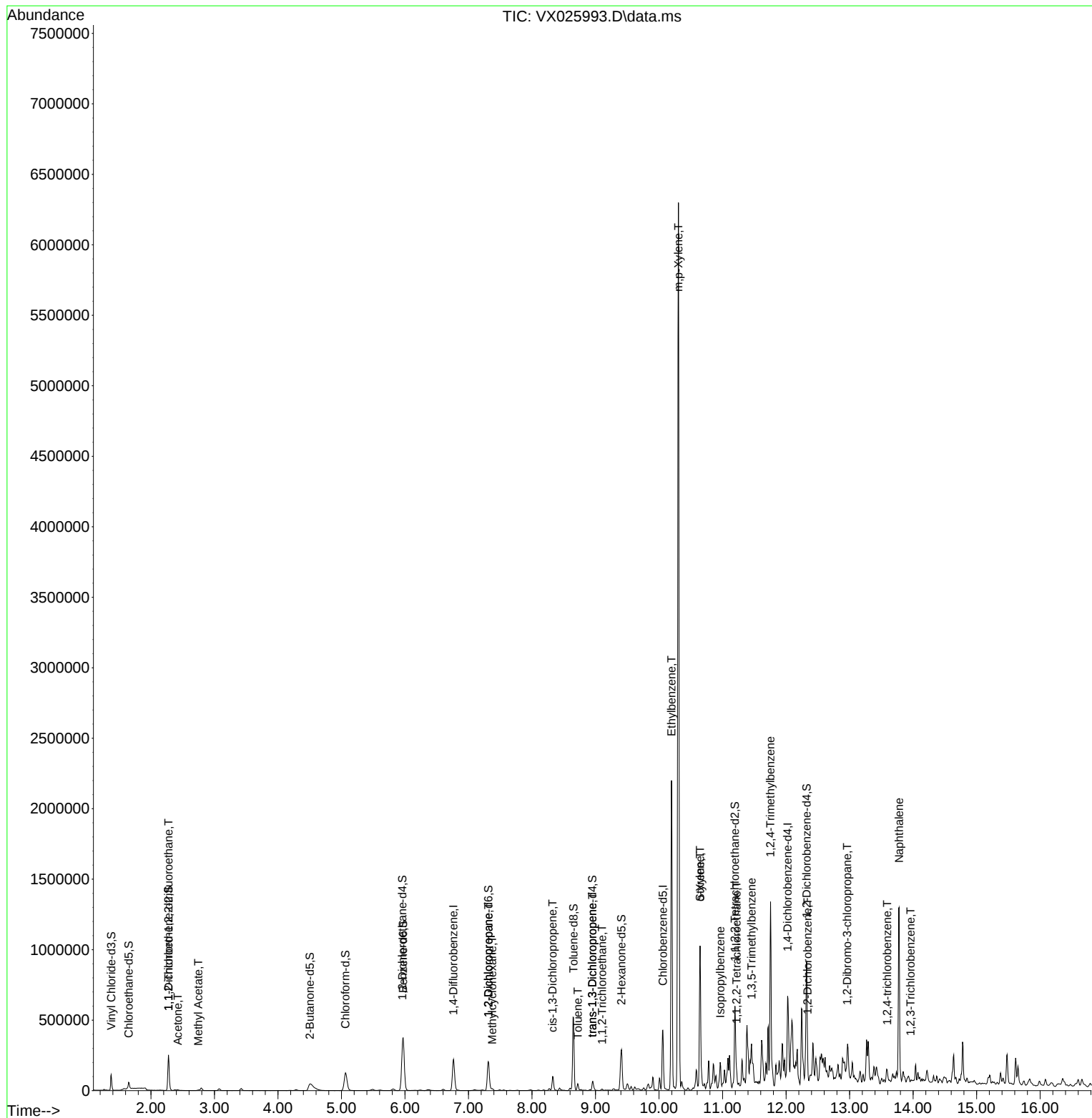
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.591	180	8438	4.118	ug/L #	86
71) Naphthalene	13.780	128	758367	97.906	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	3256	1.539	ug/L #	62

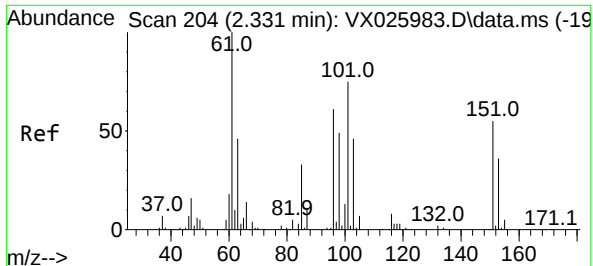
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 24 06:49:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM122321WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 23 21:00:32 2021
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.913 ug/L

RT: 2.276 min Scan# 195

Delta R.T. -0.055 min

Lab File: VX025993.D

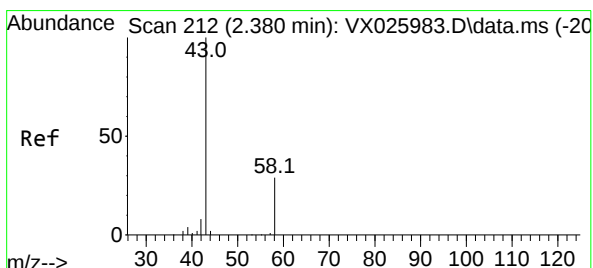
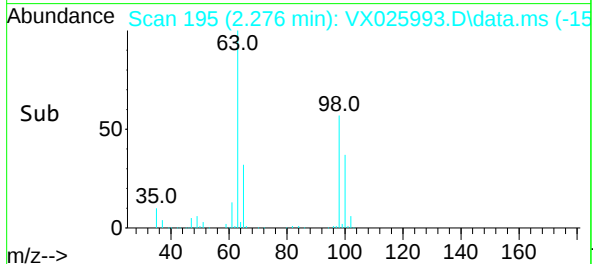
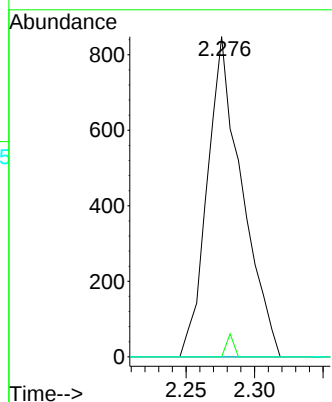
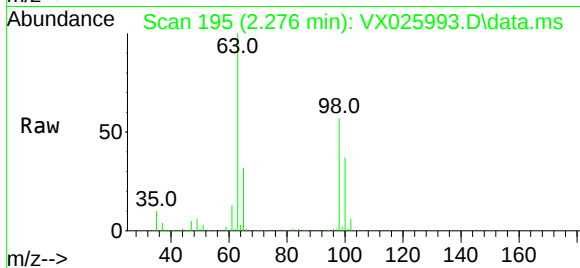
Acq: 24 Dec 2021 00:56

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:101	Resp:	1492
Ion Ratio	Lower	Upper
101	100	
85	0.0	34.3 51.5#
151	0.0	65.2 97.8#



#13

Acetone

Concen: 2.723 ug/L

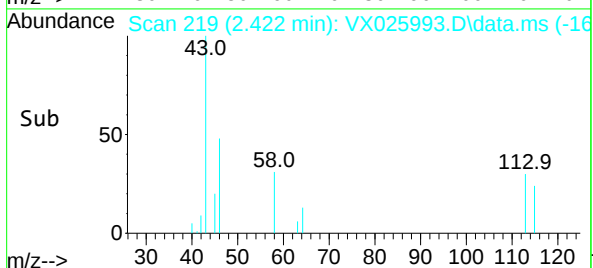
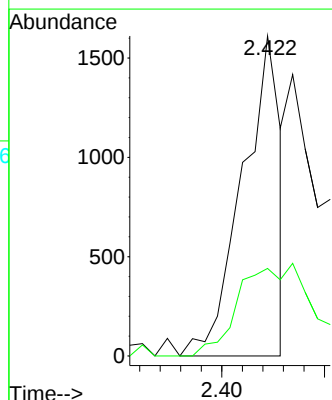
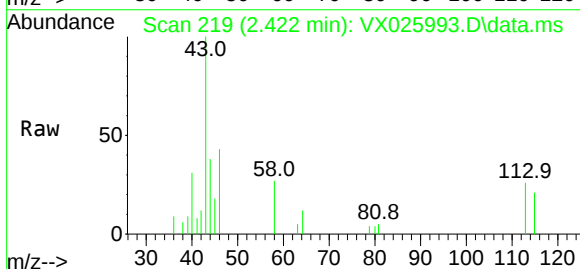
RT: 2.422 min Scan# 219

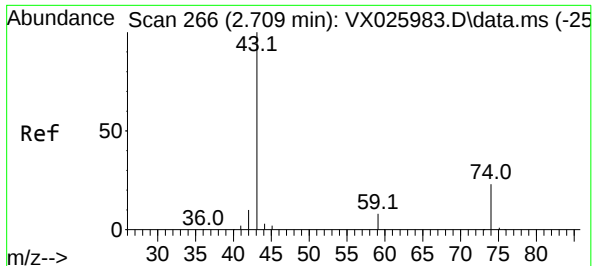
Delta R.T. 0.043 min

Lab File: VX025993.D

Acq: 24 Dec 2021 00:56

Tgt Ion: 43	Resp:	2081
Ion Ratio	Lower	Upper
43	100	
58	33.2	0.0 65.6

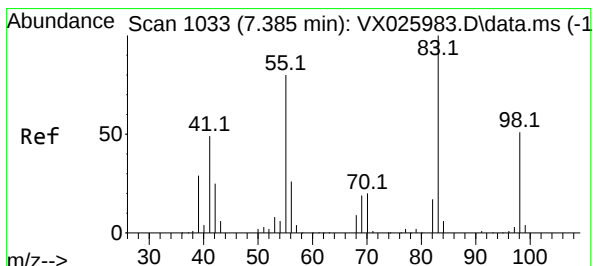
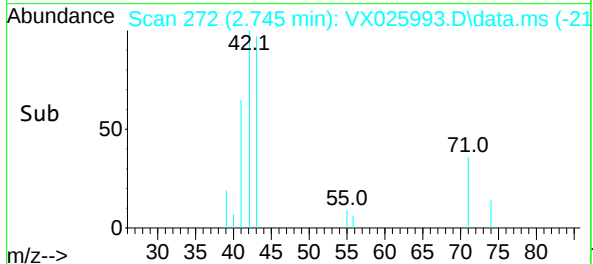
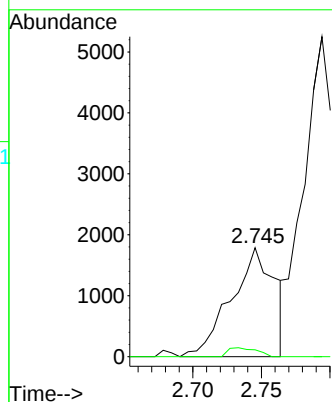
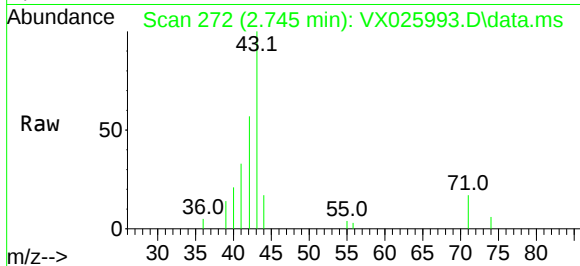




#15
Methyl Acetate
Concen: 1.869 ug/L
RT: 2.745 min Scan# 21
Delta R.T. 0.037 min
Lab File: VX025993.D
Acq: 24 Dec 2021 00:56

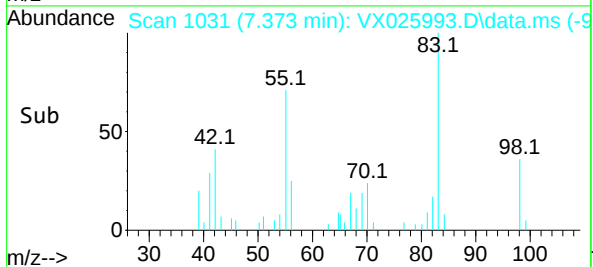
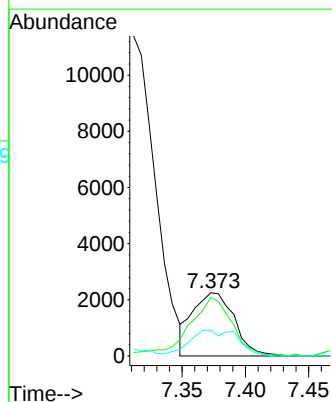
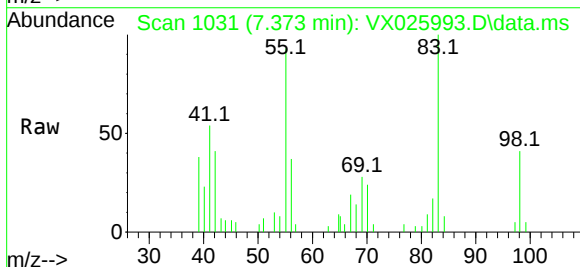
Instrument :
MSVOA_X
ClientSampleId :

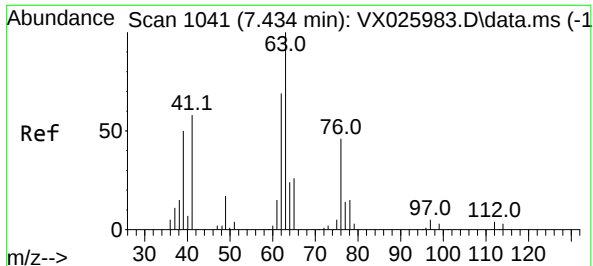
Tgt Ion: 43 Resp: 3937
Ion Ratio Lower Upper
43 100
74 5.4 0.1 0.1#



#35
Methylcyclohexane
Concen: 1.931 ug/L
RT: 7.373 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VX025993.D
Acq: 24 Dec 2021 00:56

Tgt Ion: 83 Resp: 5145
Ion Ratio Lower Upper
83 100
55 94.9 57.3 85.9#
98 29.3 41.1 61.7#





#37

1,2-Dichloropropane

Concen: 7.514 ug/L

RT: 7.312 min Scan# 1187

Delta R.T. -0.122 min

Lab File: VX025993.D

Acq: 24 Dec 2021 00:56

Instrument :

MSVOA_X

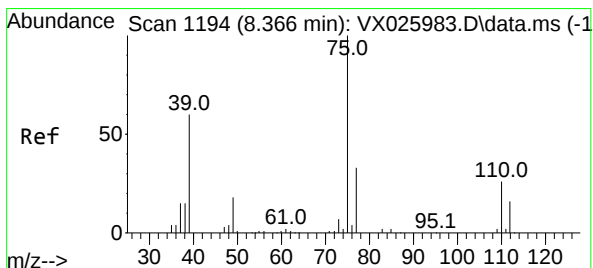
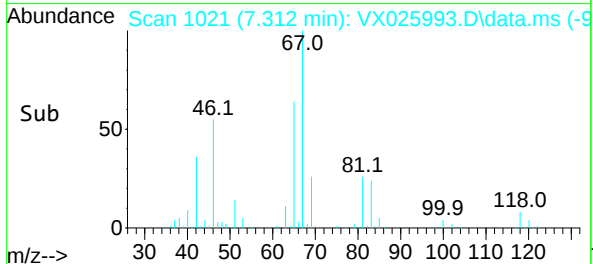
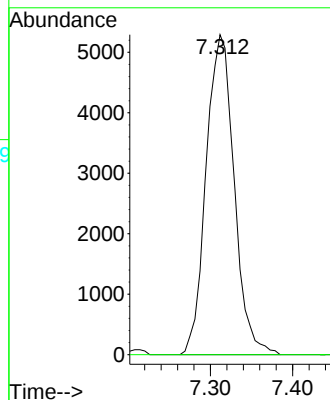
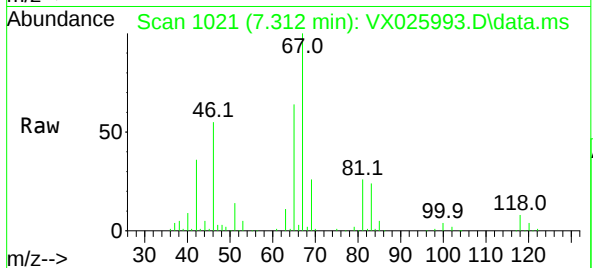
ClientSampleId :

Tgt Ion: 63 Resp: 12554

Ion Ratio Lower Upper

63 100

112 1.6 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 1.078 ug/L

RT: 8.324 min Scan# 1187

Delta R.T. -0.043 min

Lab File: VX025993.D

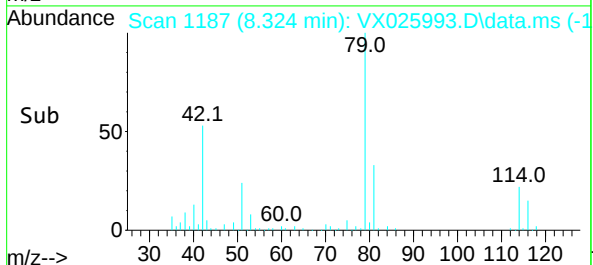
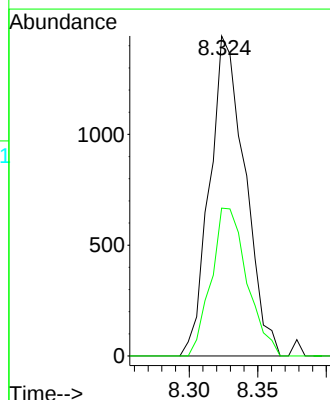
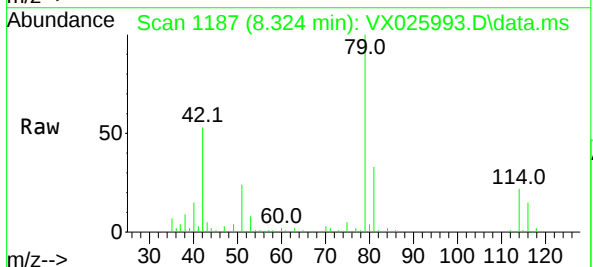
Acq: 24 Dec 2021 00:56

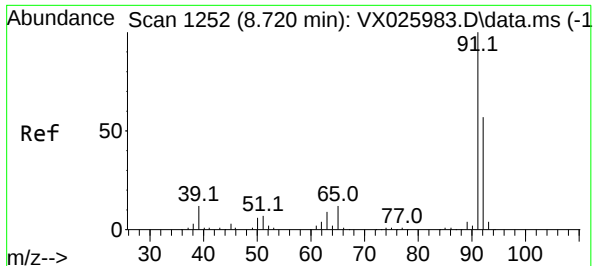
Tgt Ion: 75 Resp: 2587

Ion Ratio Lower Upper

75 100

77 46.2 22.3 41.3#





#42

Toluene

Concen: 4.314 ug/L

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

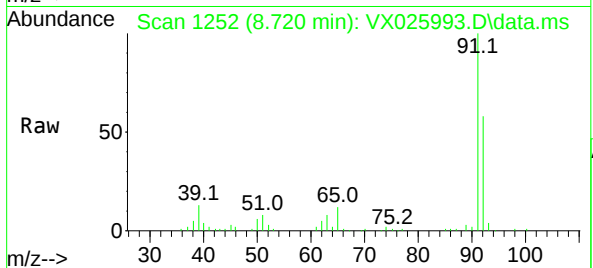
Lab File: VX025993.D

Acq: 24 Dec 2021 00:56

Instrument :

MSVOA_X

ClientSampleId :

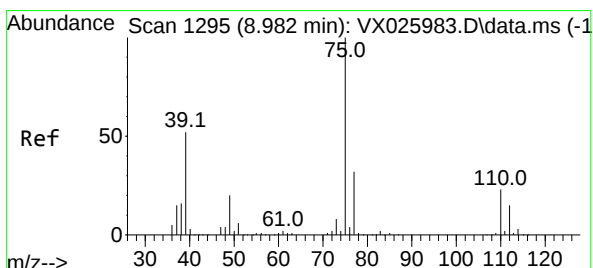
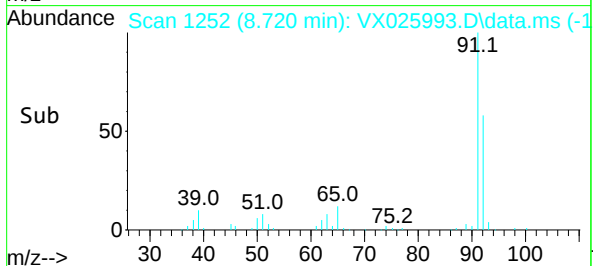
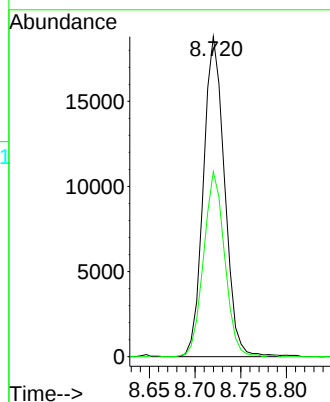


Tgt Ion: 91 Resp: 30241

Ion Ratio Lower Upper

91 100

92 57.8 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 0.731 ug/L

RT: 8.952 min Scan# 1290

Delta R.T. -0.031 min

Lab File: VX025993.D

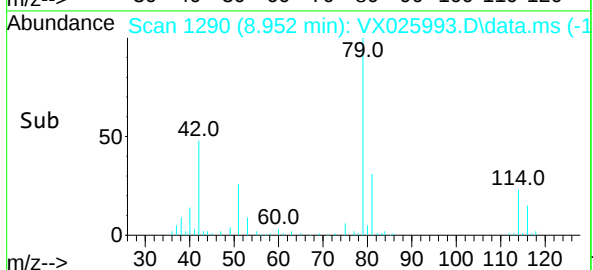
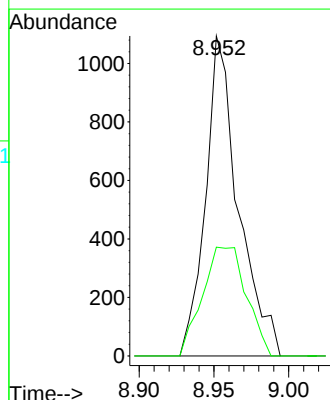
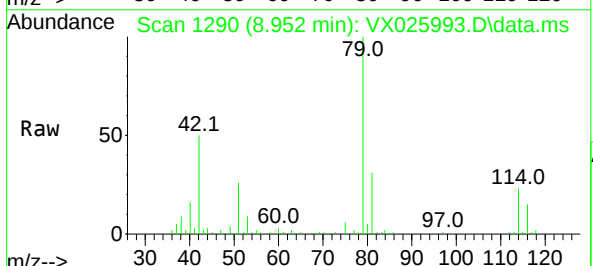
Acq: 24 Dec 2021 00:56

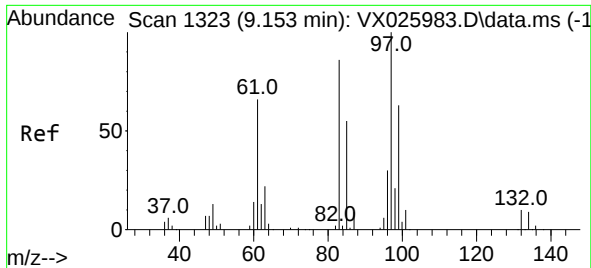
Tgt Ion: 75 Resp: 1666

Ion Ratio Lower Upper

75 100

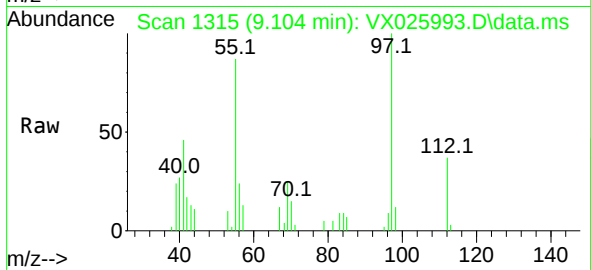
77 34.0 23.0 42.8



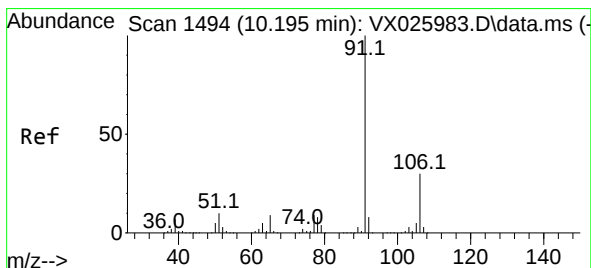
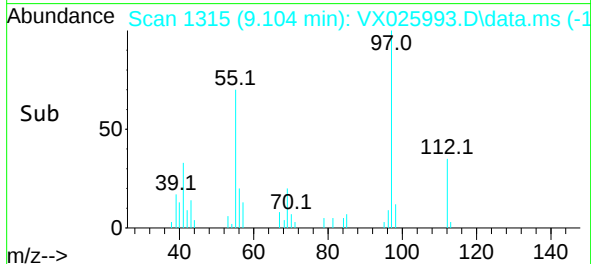
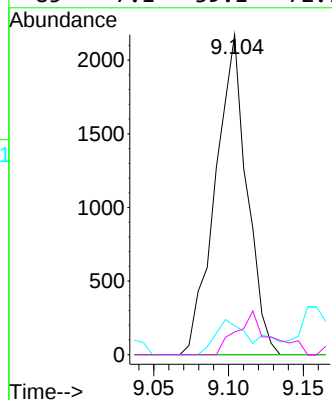


#45
1,1,2-Trichloroethane
Concen: 1.979 ug/L
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX025993.D
Acq: 24 Dec 2021 00:56

Instrument :
MSVOA_X
ClientSampleId :

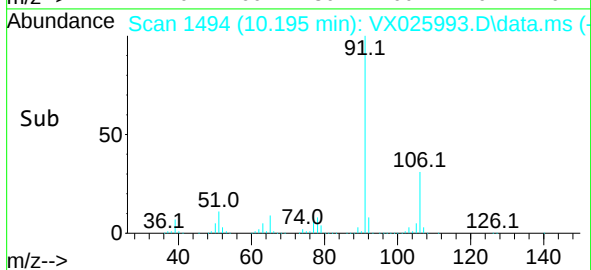
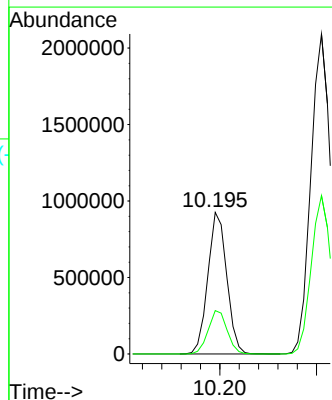
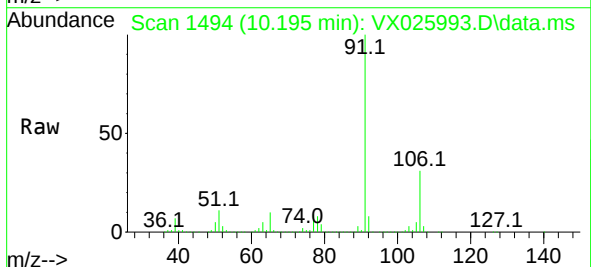


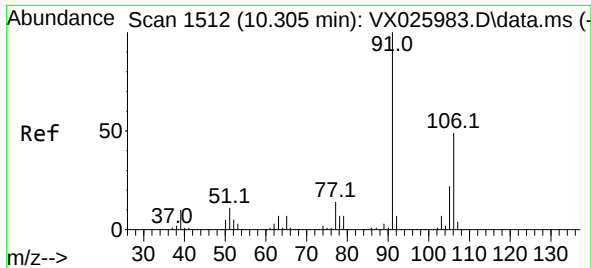
Tgt Ion: 97	Resp: 3193
Ion Ratio	Lower Upper
97 100	
99 0.0	46.0 85.4#
83 9.0	59.6 110.8#
85 7.1	39.1 72.7#



#52
Ethylbenzene
Concen: 165.766 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX025993.D
Acq: 24 Dec 2021 00:56

Tgt Ion: 91	Resp: 1260179
Ion Ratio	Lower Upper
91 100	
106 30.6	23.1 42.9

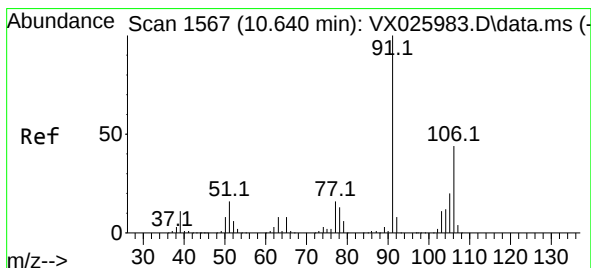
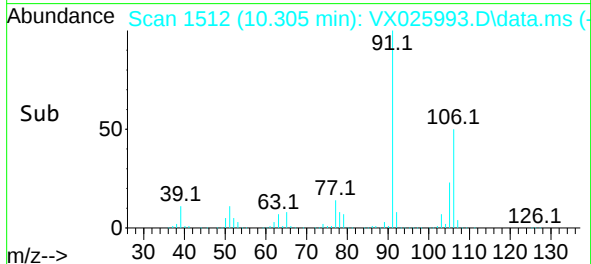
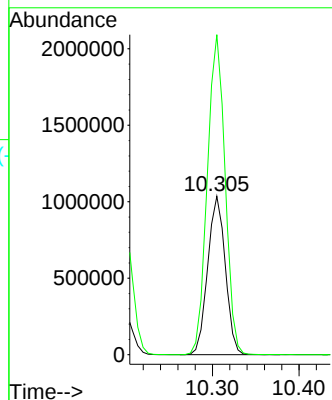
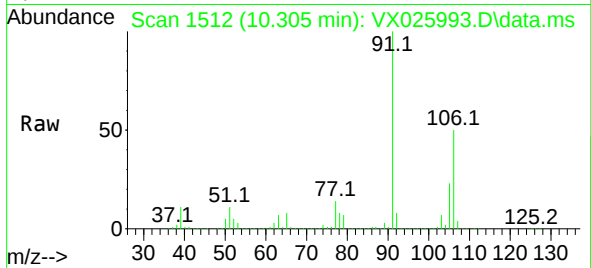




#53
m,p-Xylene
Concen: 504.392 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX025993.D
Acq: 24 Dec 2021 00:56

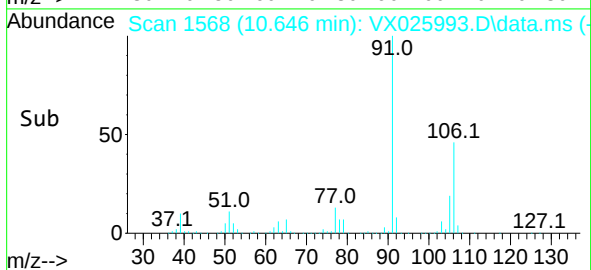
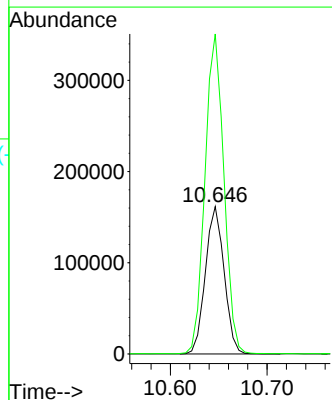
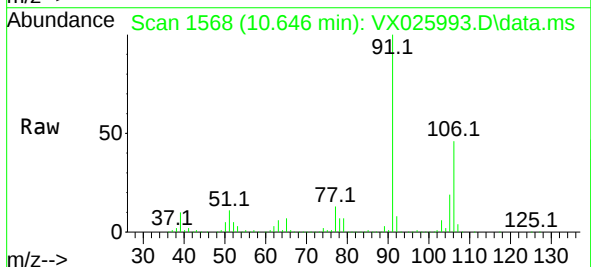
Instrument :
MSVOA_X
ClientSampleId :

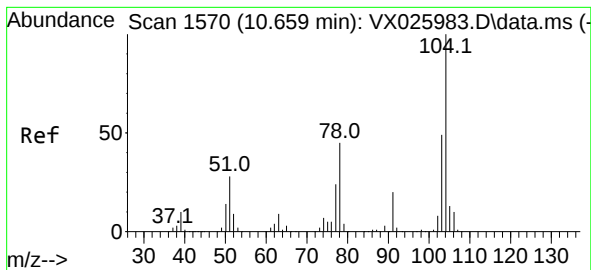
Tgt Ion:106 Resp: 1463733
Ion Ratio Lower Upper
106 100
91 201.9 136.8 254.2



#54
o-Xylene
Concen: 75.833 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX025993.D
Acq: 24 Dec 2021 00:56

Tgt Ion:106 Resp: 217982
Ion Ratio Lower Upper
106 100
91 217.1 140.5 260.9





#55

Styrene

Concen: 2.293 ug/L

RT: 10.646 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX025993.D

Acq: 24 Dec 2021 00:56

Instrument :

MSVOA_X

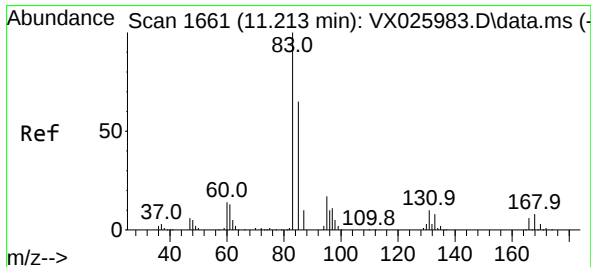
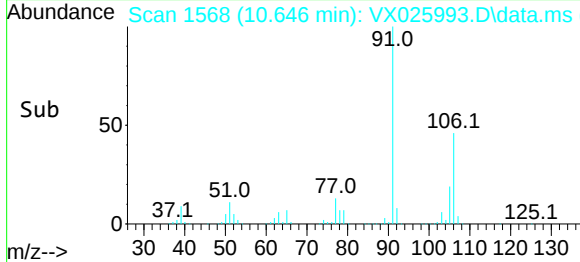
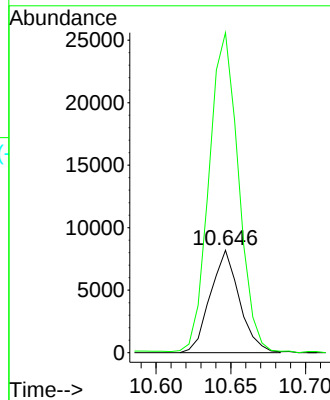
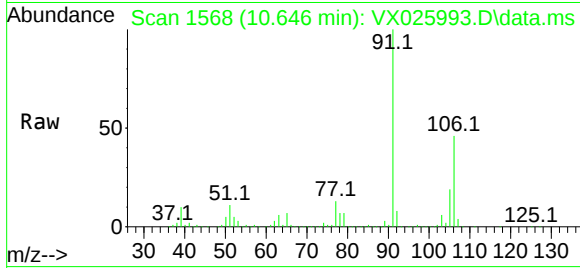
ClientSampleId :

Tgt Ion:104 Resp: 11128

Ion Ratio Lower Upper

104 100

78 312.3 28.6 53.0#



#57

1,1,2,2-Tetrachloroethane

Concen: 2.233 ug/L

RT: 11.219 min Scan# 1662

Delta R.T. 0.006 min

Lab File: VX025993.D

Acq: 24 Dec 2021 00:56

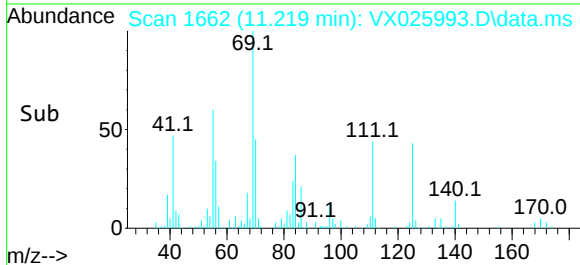
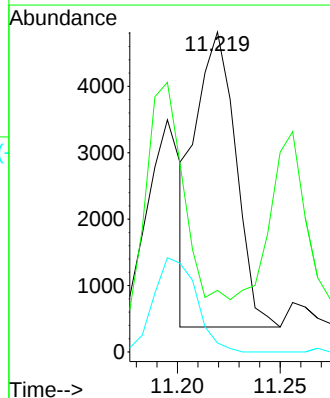
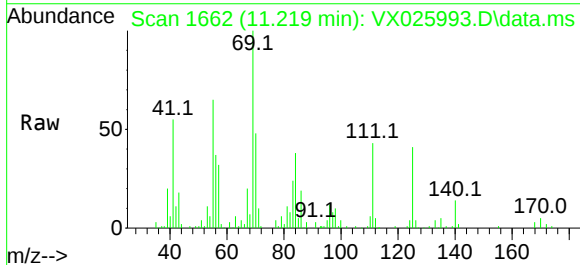
Tgt Ion: 83 Resp: 6054

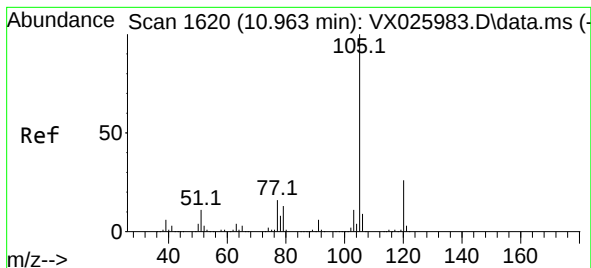
Ion Ratio Lower Upper

83 100

85 19.3 47.0 87.2#

131 2.8 8.5 12.7#





#60

Isopropylbenzene

Concen: 12.196 ug/L

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX025993.D

Acq: 24 Dec 2021 00:56

Instrument :

MSVOA_X

ClientSampleId :

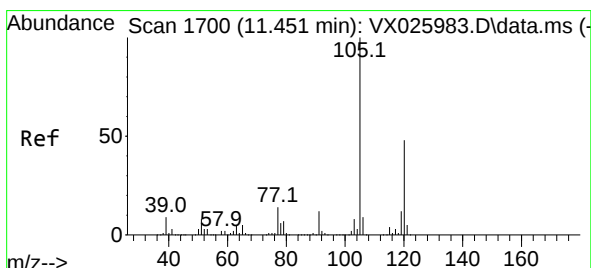
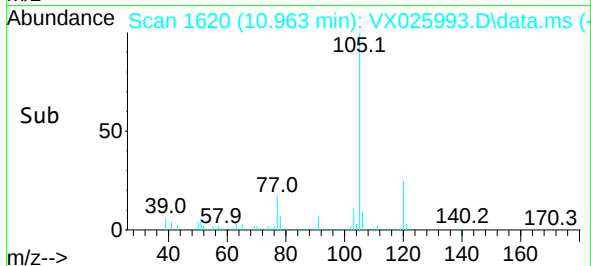
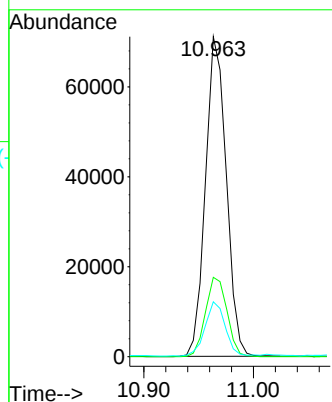
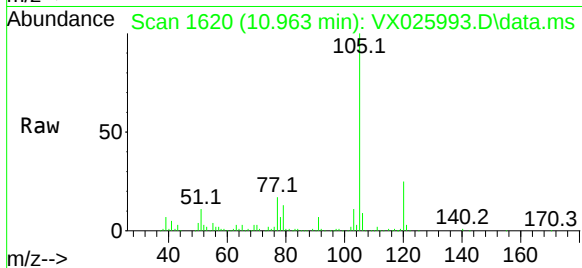
Tgt Ion:105 Resp: 93680

Ion Ratio Lower Upper

105 100

120 25.7 22.3 33.5

77 16.4 11.5 17.3



#62

1,3,5-Trimethylbenzene

Concen: 18.156 ug/L

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX025993.D

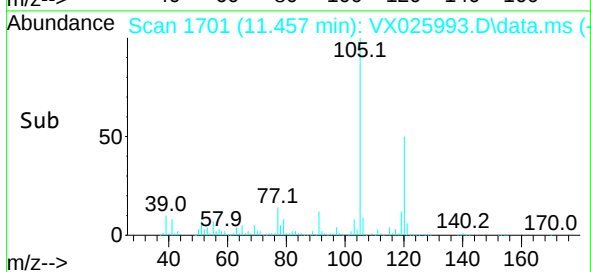
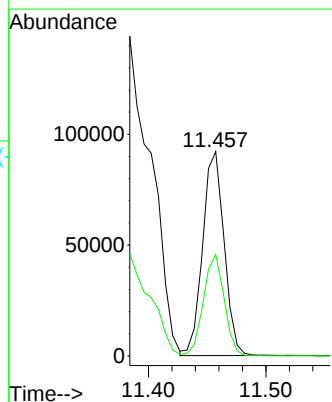
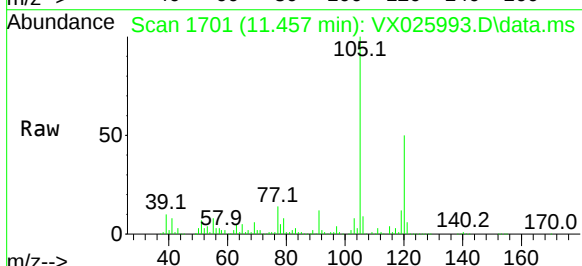
Acq: 24 Dec 2021 00:56

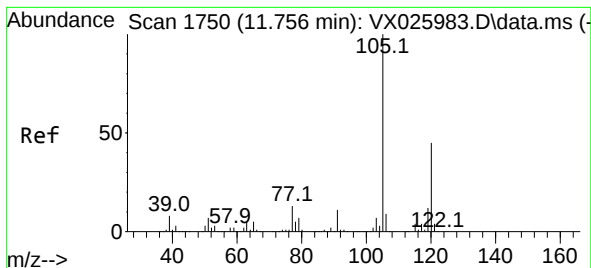
Tgt Ion:105 Resp: 116767

Ion Ratio Lower Upper

105 100

120 47.6 41.0 61.4





#63

1,2,4-Trimethylbenzene

Concen: 76.855 ug/L

RT: 11.756 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX025993.D

Acq: 24 Dec 2021 00:56

Instrument :

MSVOA_X

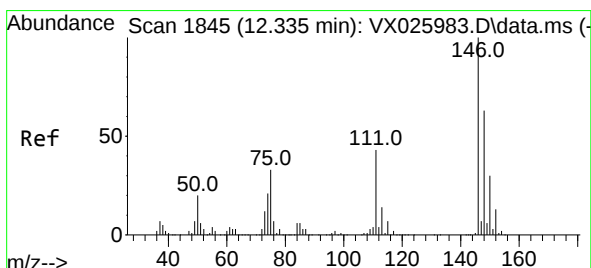
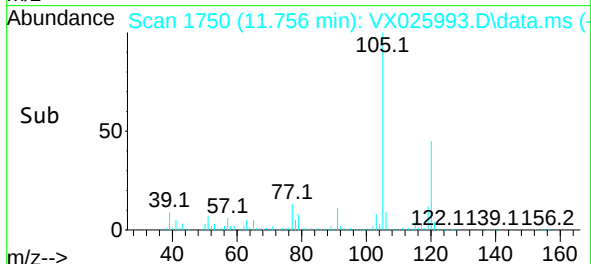
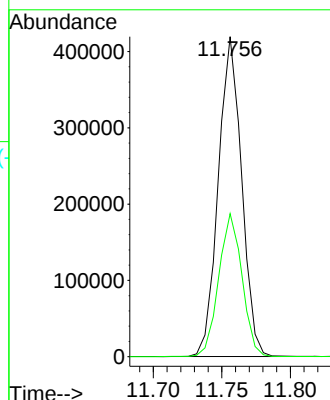
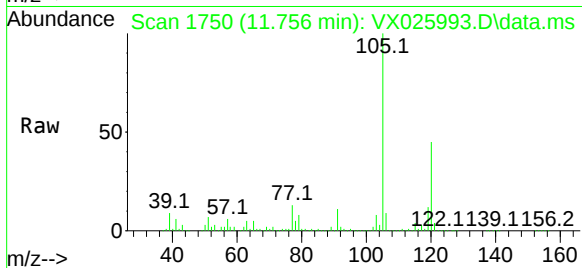
ClientSampleId :

Tgt Ion:105 Resp: 495174

Ion Ratio Lower Upper

105 100

120 44.7 0.1 0.1#



#67

1,2-Dichlorobenzene

Concen: 2.098 ug/L

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX025993.D

Acq: 24 Dec 2021 00:56

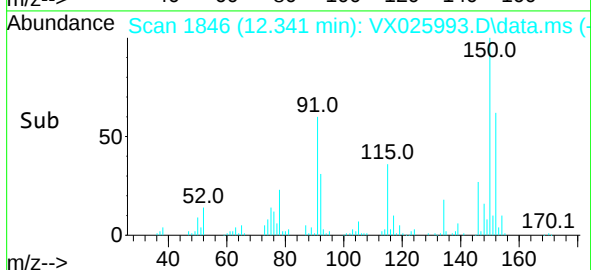
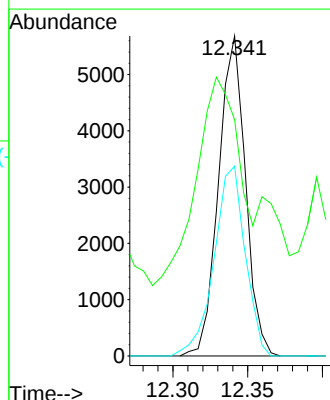
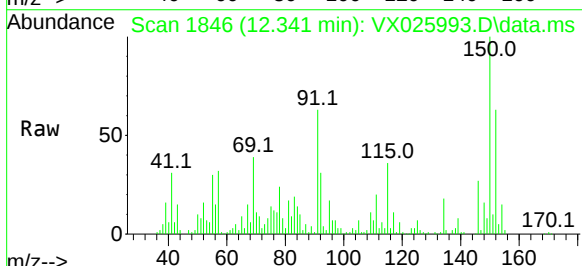
Tgt Ion:146 Resp: 7109

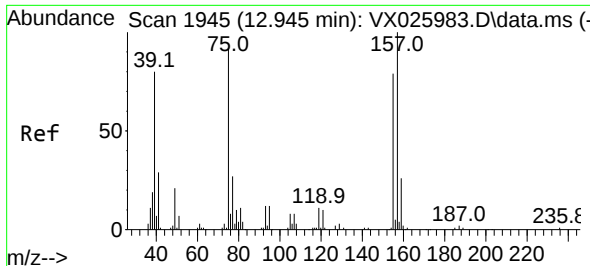
Ion Ratio Lower Upper

146 100

111 73.8 32.3 48.5#

148 59.4 50.3 75.5

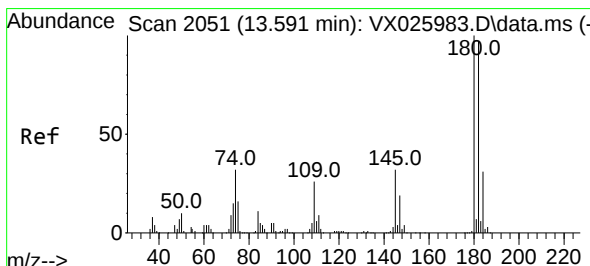
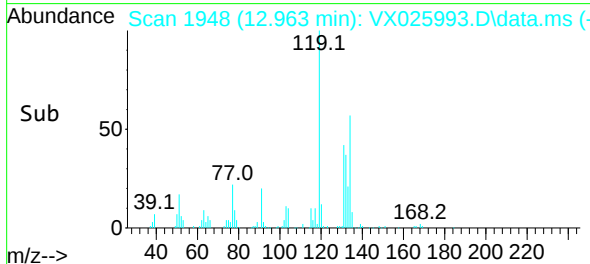
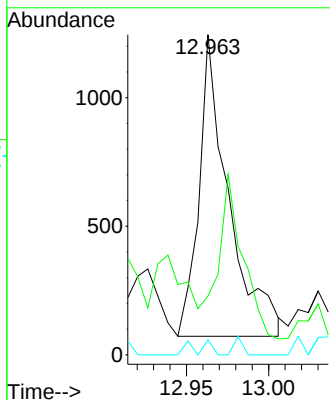
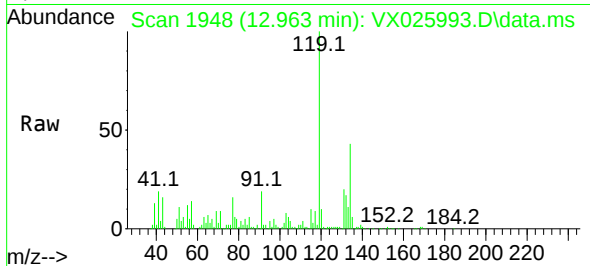




#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.484 ug/L
 RT: 12.963 min Scan# 1948
 Delta R.T. 0.018 min
 Lab File: VX025993.D
 Acq: 24 Dec 2021 00:56

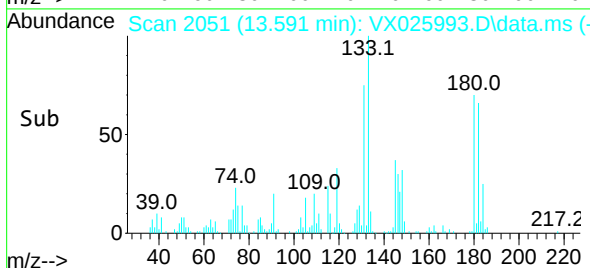
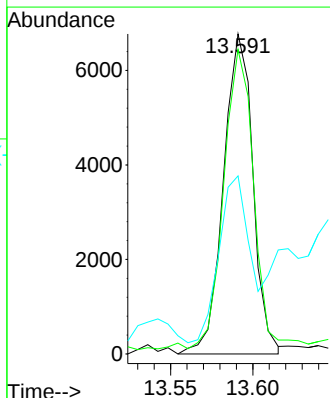
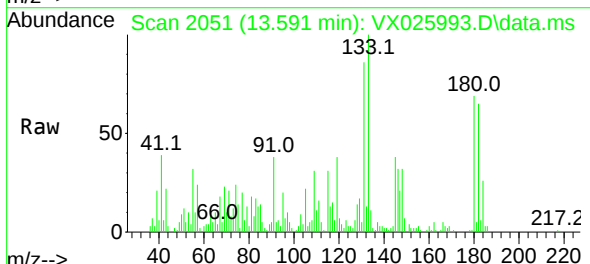
Instrument :
 MSVOA_X
 ClientSampleId :

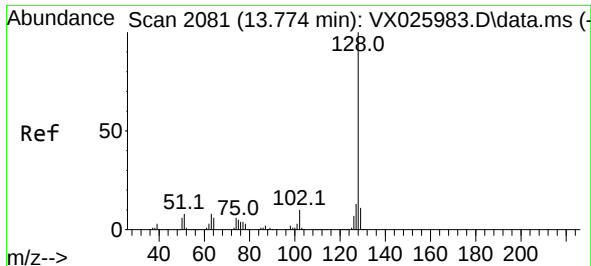
Tgt Ion: 75 Resp: 1462
 Ion Ratio Lower Upper
 75 100
 155 18.4 79.4 119.2#
 157 4.7 100.4 150.6#



#70
 1,2,4-trichlorobenzene
 Concen: 4.118 ug/L
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.000 min
 Lab File: VX025993.D
 Acq: 24 Dec 2021 00:56

Tgt Ion: 180 Resp: 8438
 Ion Ratio Lower Upper
 180 100
 182 93.0 78.2 117.4
 145 54.3 24.7 37.1#

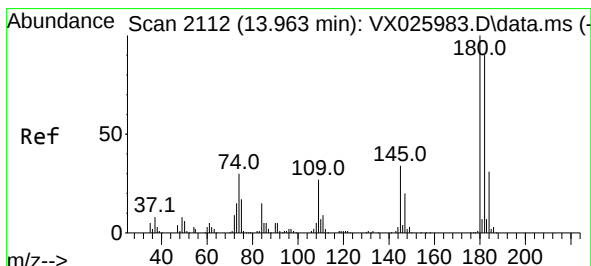
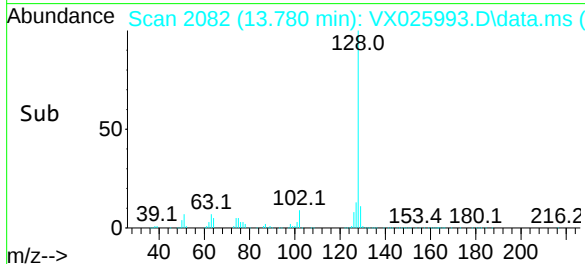
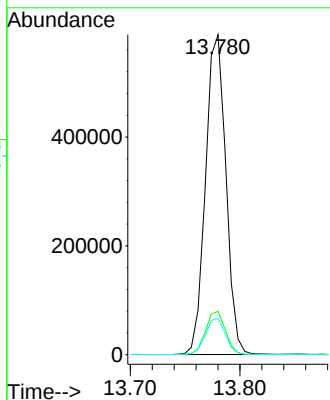
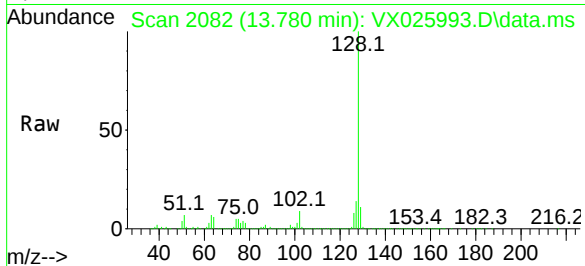




#71
Naphthalene
Concen: 97.906 ug/L
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX025993.D
Acq: 24 Dec 2021 00:56

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 758367
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 11.2 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 1.539 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX025993.D
Acq: 24 Dec 2021 00:56

Tgt Ion:180 Resp: 3256
Ion Ratio Lower Upper
180 100
182 92.1 75.2 112.8
145 111.8 25.8 38.6#

