

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122321\
 Data File : VX026001.D
 Acq On : 24 Dec 2021 04:07
 Operator : JC/MD
 Sample : M5171-10ME
 Misc : 6.48g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 24 06:50:17 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	253296	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.061	117	241632	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	139257	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	98581	54.883	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 109.760%	
7) Chloroethane-d5	1.648	69	34104	23.758	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	= 47.520%#	
11) 1,1-Dichloroethene-d2	2.276	63	149001	41.860	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	= 83.720%	
21) 2-Butanone-d5	4.501	46	113778	73.061	ug/L	0.04
Spiked Amount	100.000	Range	40 - 130	Recovery	= 73.060%	
24) Chloroform-d	5.062	84	166730	46.384	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 92.760%	
26) 1,2-Dichloroethane-d4	5.958	65	119543	49.119	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 98.240%	
32) Benzene-d6	5.971	84	368802	53.027	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 106.060%	
36) 1,2-Dichloropropane-d6	7.312	67	111856	51.739	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 103.480%	
41) Toluene-d8	8.653	98	330813	50.943	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 101.880%	
43) trans-1,3-Dichloroprop...	8.952	79	30642	32.577	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 65.160%	
47) 2-Hexanone-d5	9.403	63	107039	95.933	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	= 95.930%	
56) 1,1,2,2-Tetrachloroeth...	11.201	84	155495	48.778	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 97.560%	
66) 1,2-Dichlorobenzene-d4	12.323	152	140886	53.538	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 107.080%	
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.282	101	1531	0.841	ug/L #	17
13) Acetone	2.422	43	13807	16.217	ug/L	87
29) Cyclohexane	5.495	56	5794	1.826	ug/L #	14
35) Methylcyclohexane	7.373	83	13715	4.415	ug/L #	87
37) 1,2-Dichloropropane	7.312	63	13092	6.722	ug/L #	77
42) Toluene	8.720	91	121448	14.863	ug/L	100
48) 2-Hexanone	9.391	43	26430	10.613	ug/L #	38
51) Chlorobenzene	10.086	112	31874	6.197	ug/L	97
52) Ethylbenzene	10.195	91	911373	102.839	ug/L	97
53) m,p-Xylene	10.305	106	1289726	381.244	ug/L	94
54) o-Xylene	10.647	106	259041	77.305	ug/L	88
55) Styrene	10.647	104	13666	2.416	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	11.220	83	15365	4.861	ug/L #	36
60) Isopropylbenzene	10.970	105	2702159	282.428	ug/L	97
62) 1,3,5-Trimethylbenzene	11.457	105	943517	117.781	ug/L	96
63) 1,2,4-Trimethylbenzene	11.756	105	2600787	324.078	ug/L #	80
67) 1,2-Dichlorobenzene	12.341	146	75293	17.838	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.921	75	4958	6.763	ug/L #	8
70) 1,2,4-trichlorobenzene	13.591	180	6227	2.440	ug/L #	1

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Instrument :
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ClientSampleId :

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Quant Title : VOC Analysis
QLast Update : Thu Dec 23 21:00:32 2021
Response via : Initial Calibration

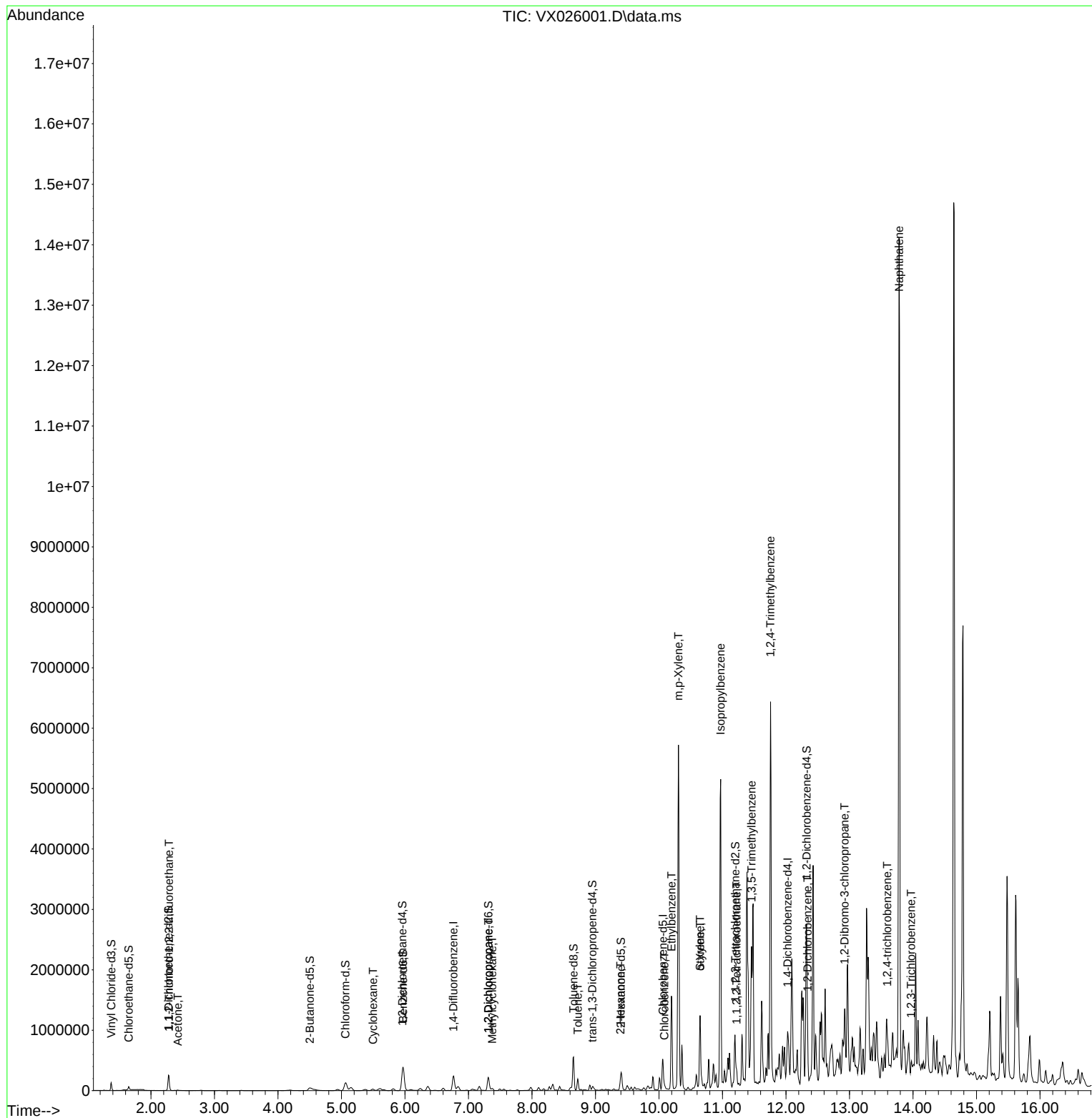
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.780	128	7842559	812.871	ug/L #	93
72) 1,2,3-Trichlorobenzene	13.969	180	2548	0.967	ug/L #	1

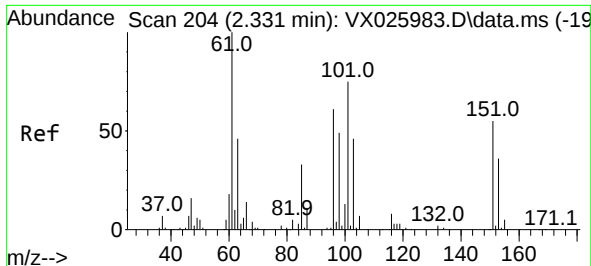
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 0.841 ug/L

RT: 2.282 min Scan# 196

Delta R.T. -0.049 min

Lab File: VX026001.D

Acq: 24 Dec 2021 04:07

Instrument :

MSVOA_X

ClientSampleId :

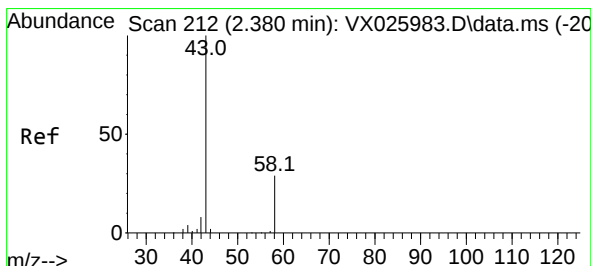
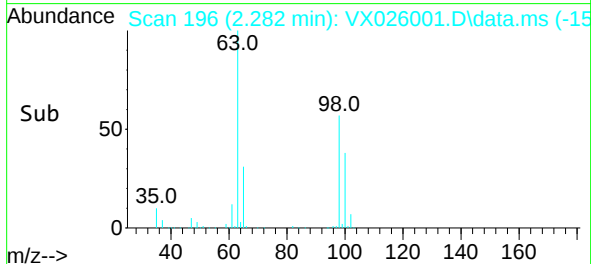
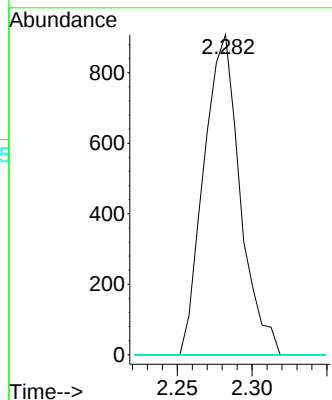
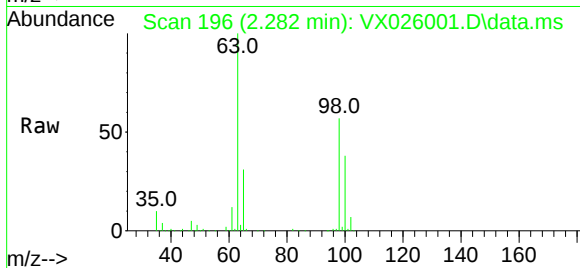
Tgt Ion:101 Resp: 1531

Ion Ratio Lower Upper

101 100

85 0.0 34.3 51.5#

151 0.0 65.2 97.8#



#13

Acetone

Concen: 16.217 ug/L

RT: 2.422 min Scan# 219

Delta R.T. 0.043 min

Lab File: VX026001.D

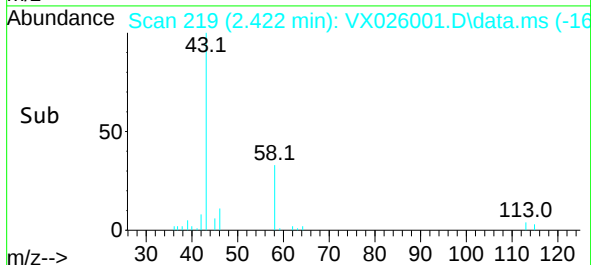
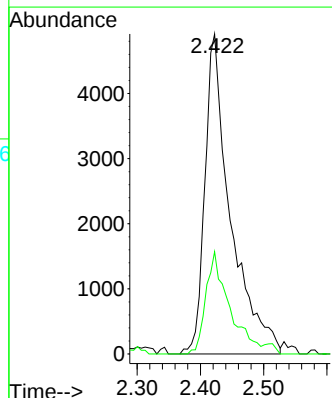
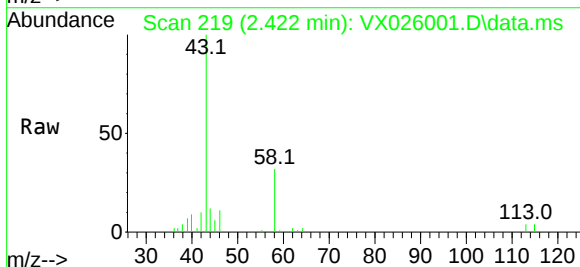
Acq: 24 Dec 2021 04:07

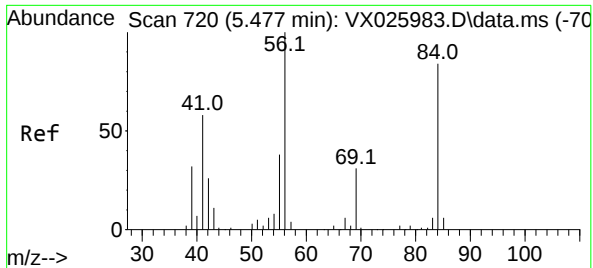
Tgt Ion: 43 Resp: 13807

Ion Ratio Lower Upper

43 100

58 25.3 0.0 65.6





#29

Cyclohexane

Concen: 1.826 ug/L

RT: 5.495 min Scan# 71

Delta R.T. 0.018 min

Lab File: VX026001.D

Acq: 24 Dec 2021 04:07

Instrument :

MSVOA_X

ClientSampleId :

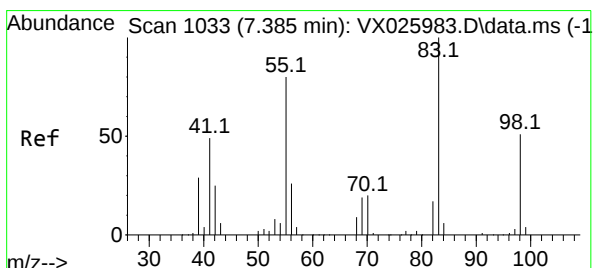
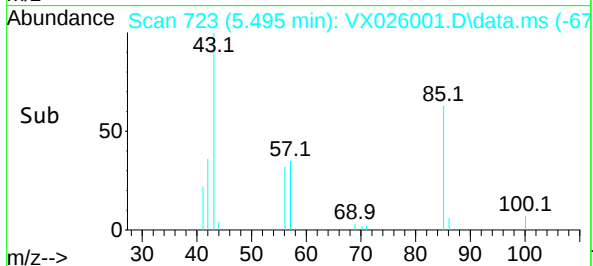
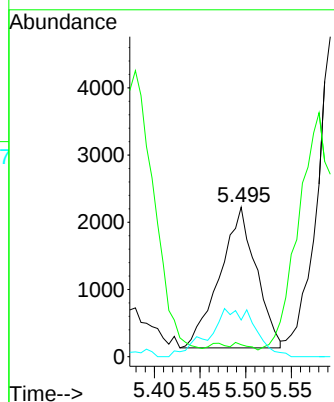
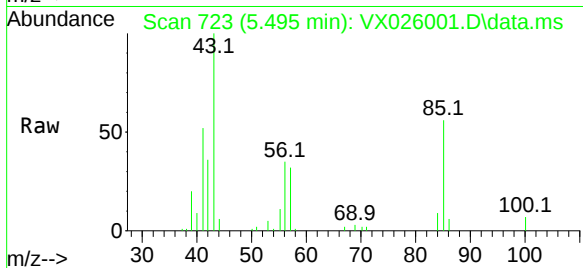
Tgt Ion: 56 Resp: 5794

Ion Ratio Lower Upper

56 100

69 5.0 25.4 38.2#

84 0.0 76.6 114.8#



#35

Methylcyclohexane

Concen: 4.415 ug/L

RT: 7.373 min Scan# 1031

Delta R.T. -0.012 min

Lab File: VX026001.D

Acq: 24 Dec 2021 04:07

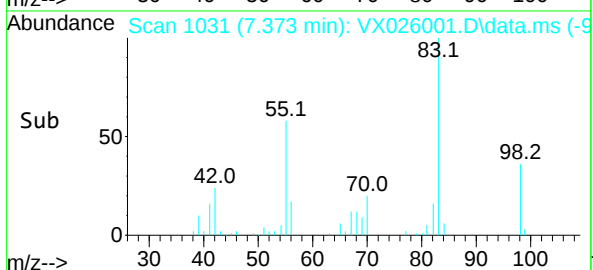
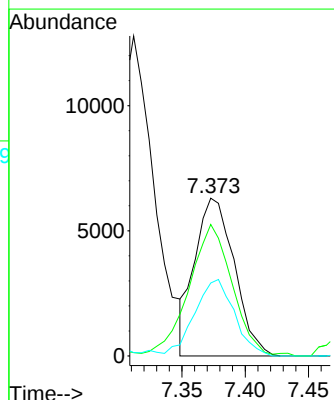
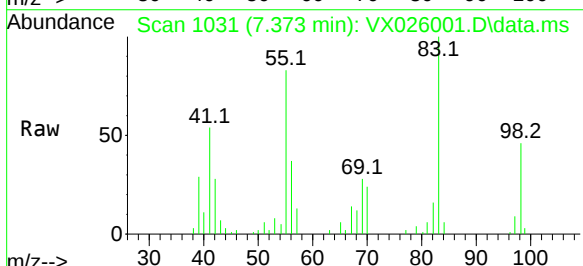
Tgt Ion: 83 Resp: 13715

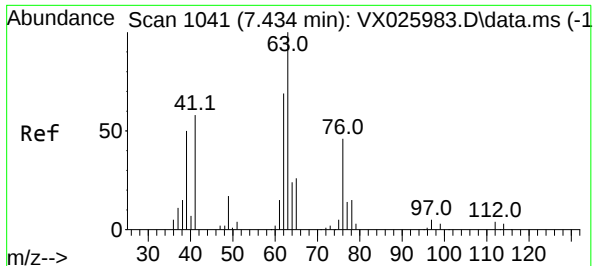
Ion Ratio Lower Upper

83 100

55 87.4 57.3 85.9#

98 48.5 41.1 61.7





#37

1,2-Dichloropropane

Concen: 6.722 ug/L

RT: 7.312 min Scan# 1041

Delta R.T. -0.122 min

Lab File: VX026001.D

Acq: 24 Dec 2021 04:07

Instrument :

MSVOA_X

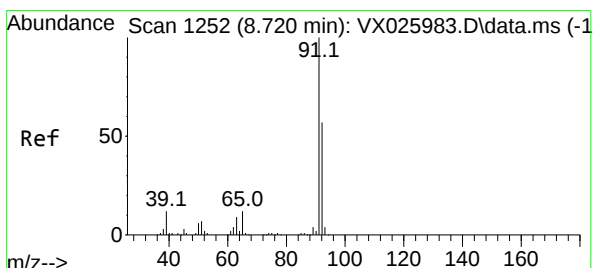
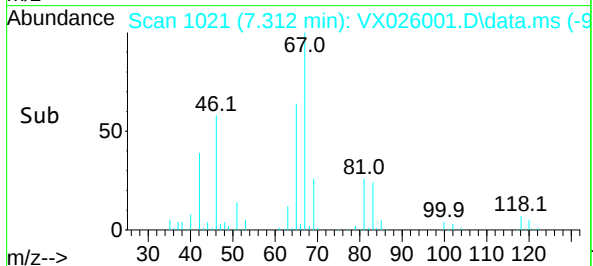
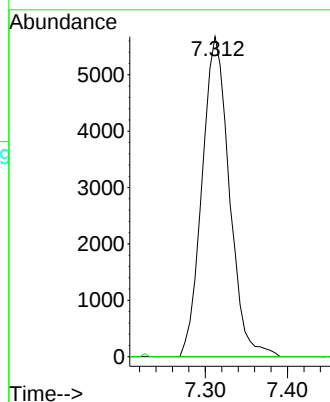
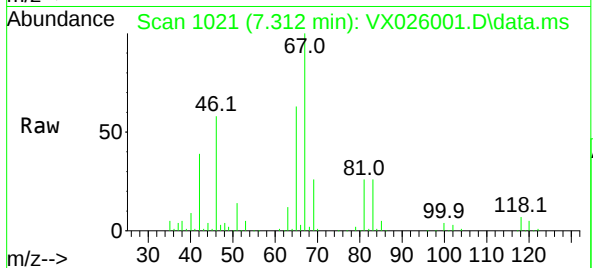
ClientSampleId :

Tgt Ion: 63 Resp: 13092

Ion Ratio Lower Upper

63 100

112 12.6 4.0 6.0#



#42

Toluene

Concen: 14.863 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX026001.D

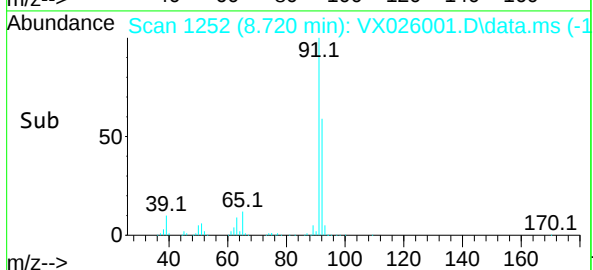
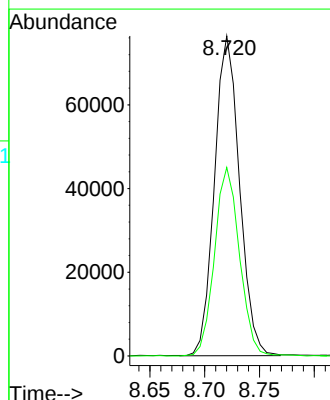
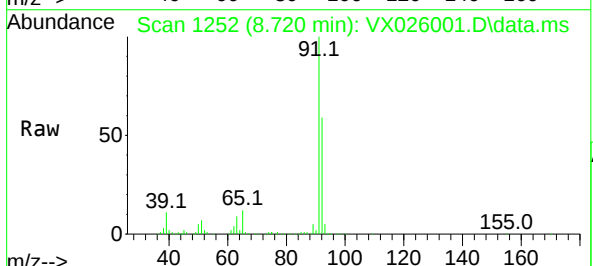
Acq: 24 Dec 2021 04:07

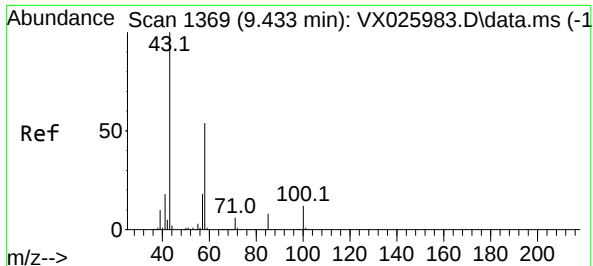
Tgt Ion: 91 Resp: 121448

Ion Ratio Lower Upper

91 100

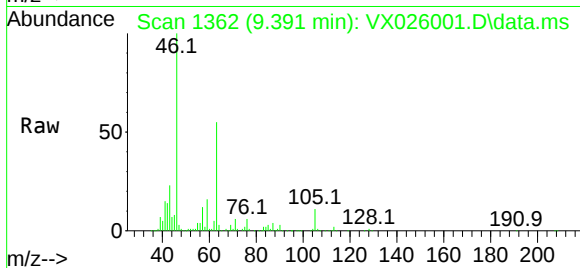
92 58.9 41.2 76.6



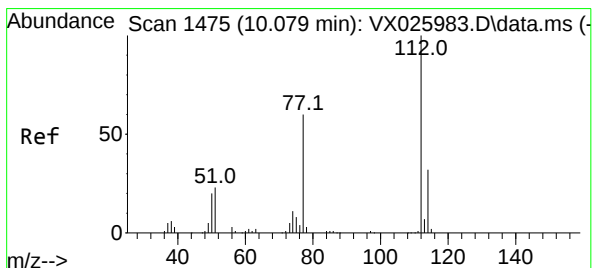
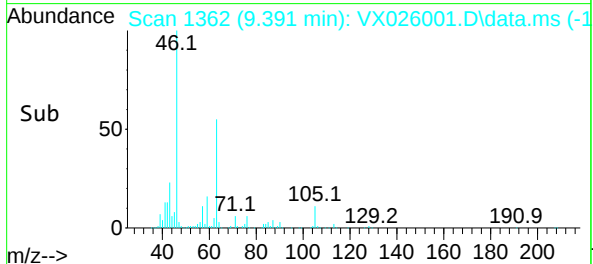
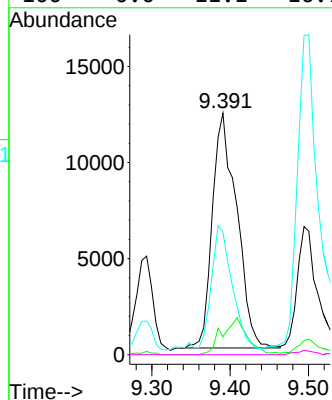


#48
2-Hexanone
Concen: 10.613 ug/L
RT: 9.391 min Scan# 1362
Delta R.T. -0.043 min
Lab File: VX026001.D
Acq: 24 Dec 2021 04:07

Instrument :
MSVOA_X
ClientSampleId :

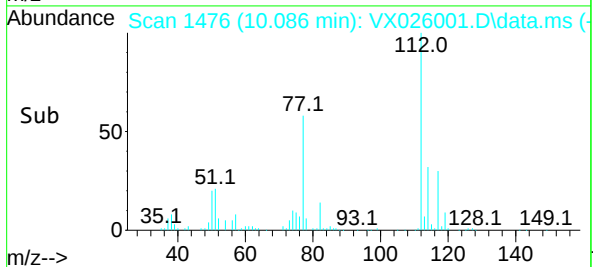
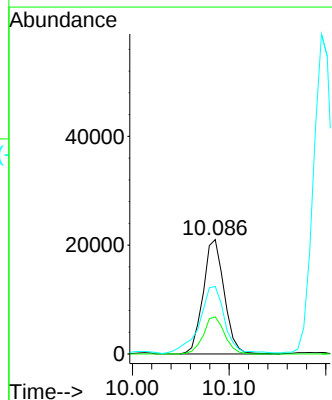
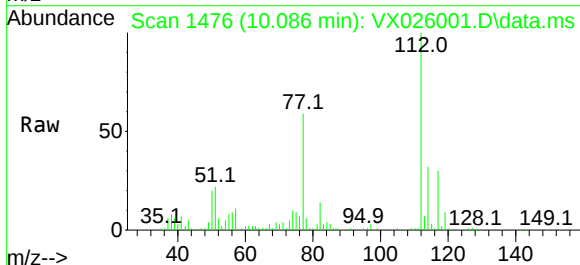


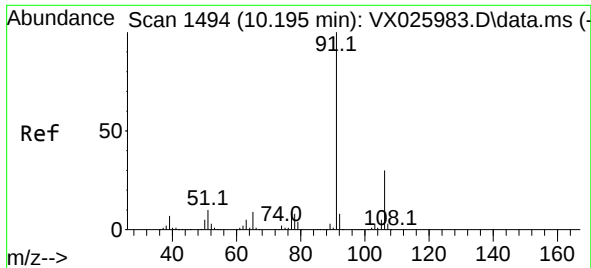
Tgt Ion: 43 Resp: 26430
Ion Ratio Lower Upper
43 100
58 4.1 44.2 66.4#
57 43.9 15.1 22.7#
100 0.0 11.1 16.7#



#51
Chlorobenzene
Concen: 6.197 ug/L
RT: 10.086 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VX026001.D
Acq: 24 Dec 2021 04:07

Tgt Ion: 112 Resp: 31874
Ion Ratio Lower Upper
112 100
114 32.4 22.5 41.9
77 59.0 44.5 66.7

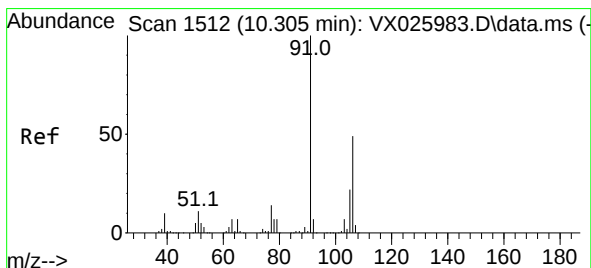
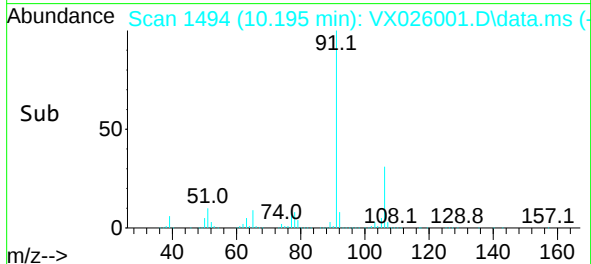
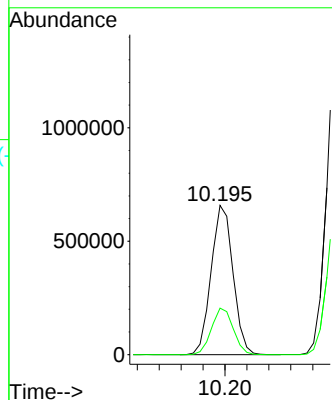
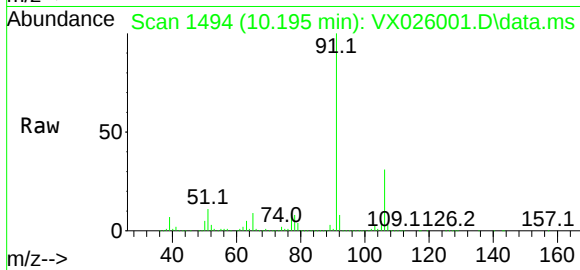




#52
Ethylbenzene
Concen: 102.839 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX026001.D
Acq: 24 Dec 2021 04:07

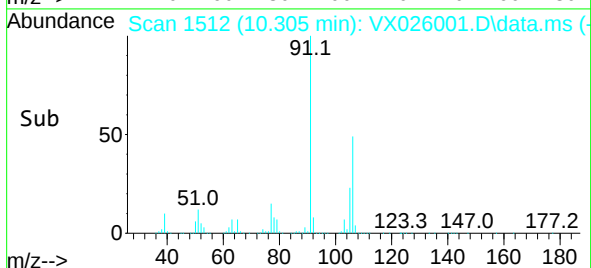
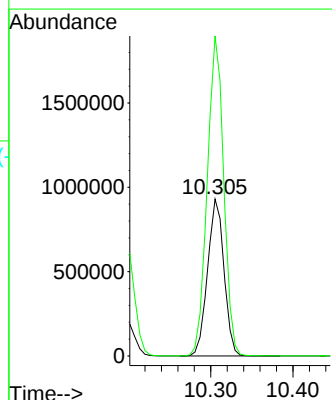
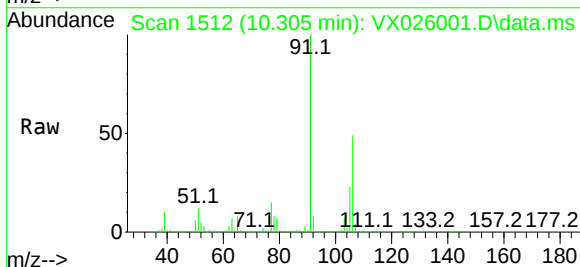
Instrument :
MSVOA_X
ClientSampleId :

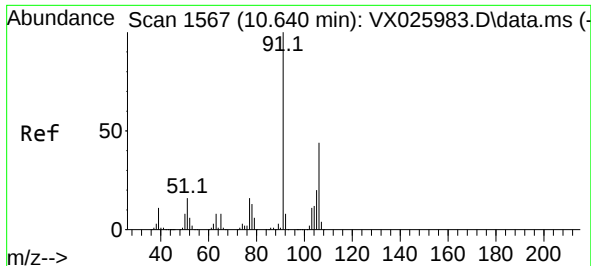
Tgt Ion: 91 Resp: 911373
Ion Ratio Lower Upper
91 100
106 31.2 23.1 42.9



#53
m,p-Xylene
Concen: 381.244 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX026001.D
Acq: 24 Dec 2021 04:07

Tgt Ion:106 Resp: 1289726
Ion Ratio Lower Upper
106 100
91 204.1 136.8 254.2

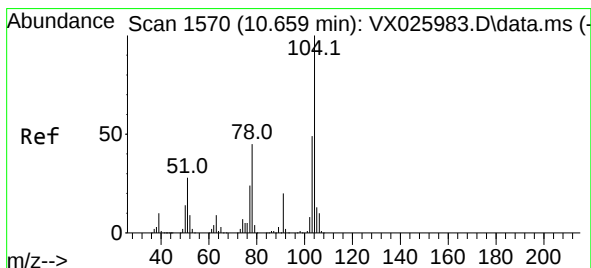
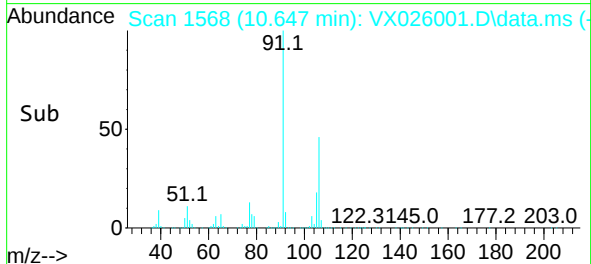
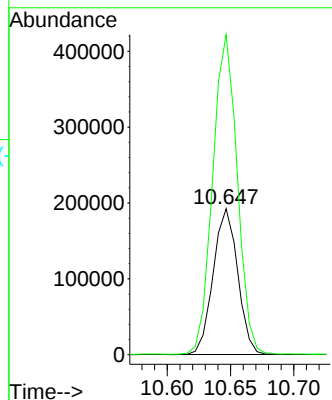
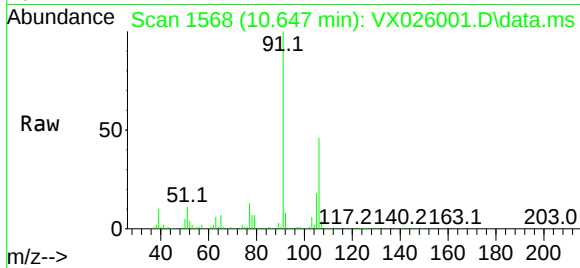




#54
o-Xylene
Concen: 77.305 ug/L
RT: 10.647 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX026001.D
Acq: 24 Dec 2021 04:07

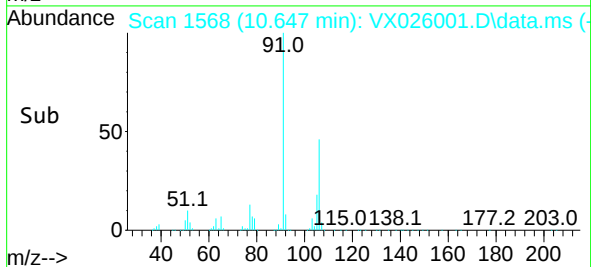
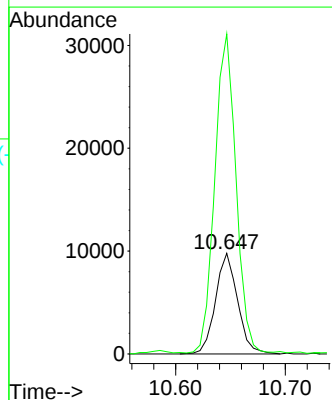
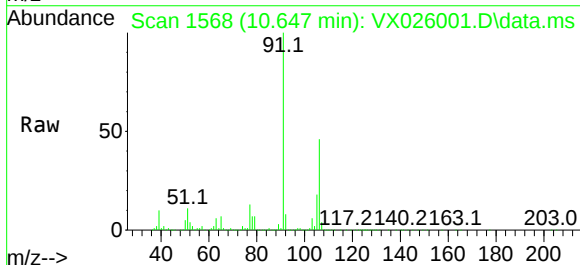
Instrument :
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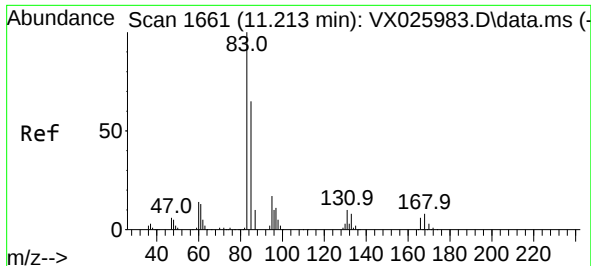
Tgt Ion:106 Resp: 259041
Ion Ratio Lower Upper
106 100
91 219.4 140.5 260.9



#55
Styrene
Concen: 2.416 ug/L
RT: 10.647 min Scan# 1568
Delta R.T. -0.012 min
Lab File: VX026001.D
Acq: 24 Dec 2021 04:07

Tgt Ion:104 Resp: 13666
Ion Ratio Lower Upper
104 100
78 318.1 28.6 53.0#

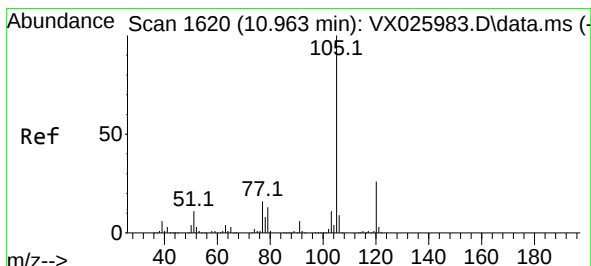
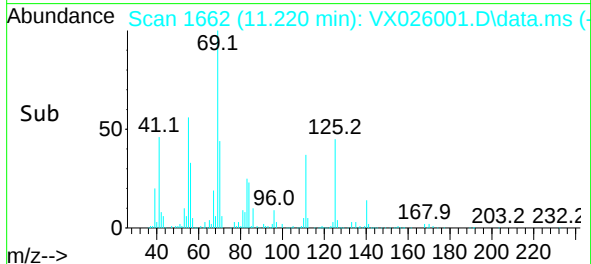
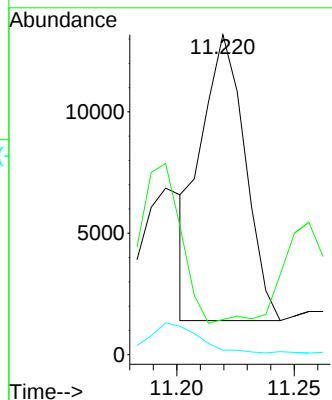
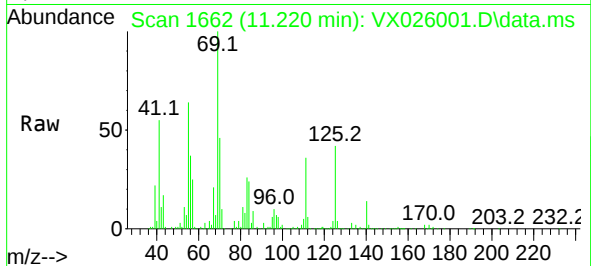




#57
1,1,2,2-Tetrachloroethane
Concen: 4.861 ug/L
RT: 11.220 min Scan# 1662
Delta R.T. 0.006 min
Lab File: VX026001.D
Acq: 24 Dec 2021 04:07

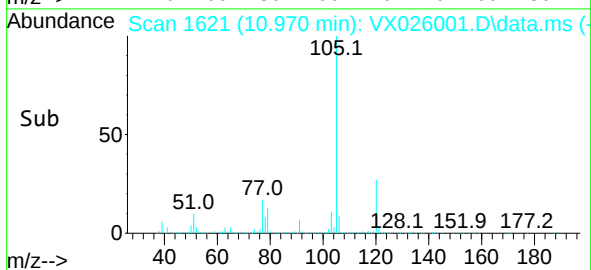
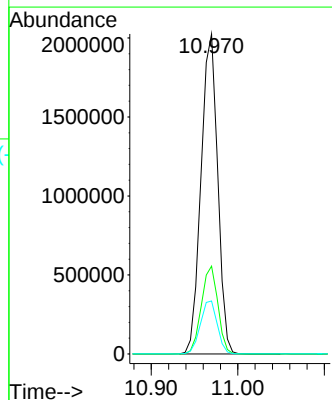
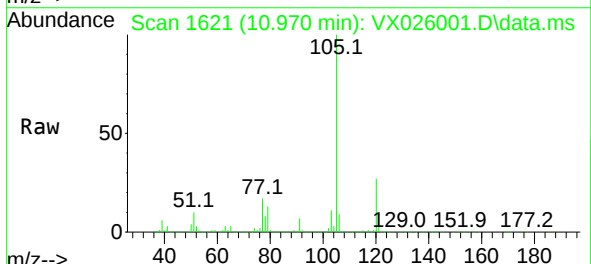
Instrument :
MSVOA_X
ClientSampleId :

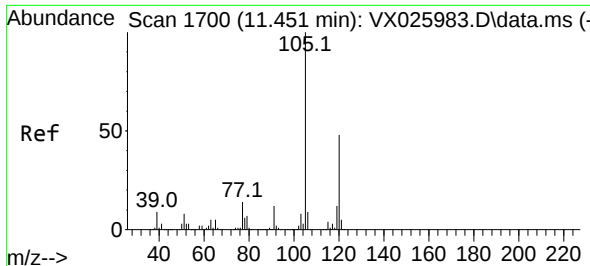
Tgt Ion: 83 Resp: 15365
Ion Ratio Lower Upper
83 100
85 11.0 47.0 87.2#
131 1.4 8.5 12.7#



#60
Isopropylbenzene
Concen: 282.428 ug/L
RT: 10.970 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VX026001.D
Acq: 24 Dec 2021 04:07

Tgt Ion:105 Resp: 2702159
Ion Ratio Lower Upper
105 100
120 27.2 22.3 33.5
77 16.8 11.5 17.3

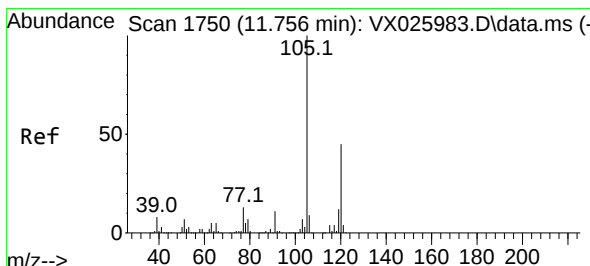
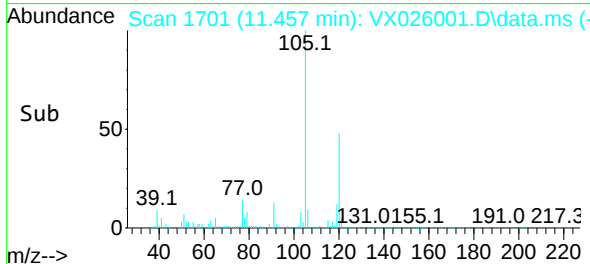
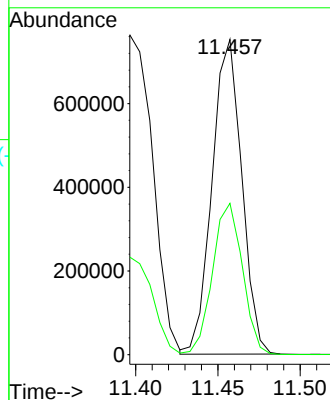
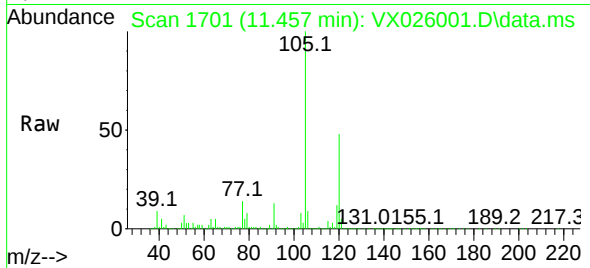




#62
1,3,5-Trimethylbenzene
Concen: 117.781 ug/L
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026001.D
Acq: 24 Dec 2021 04:07

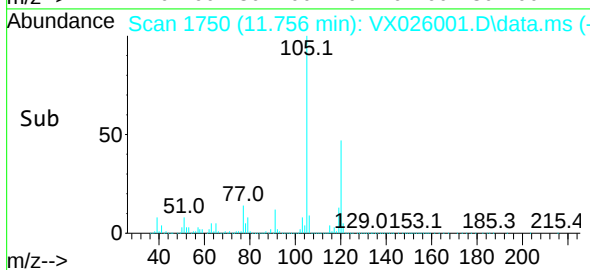
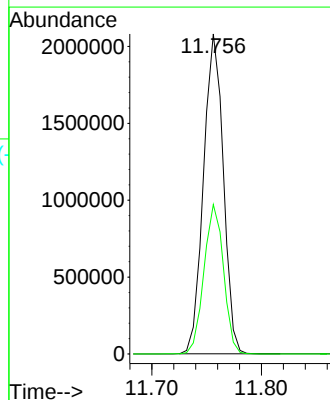
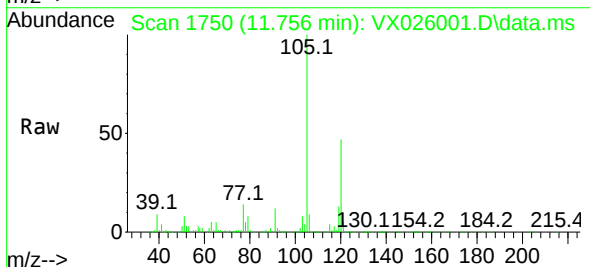
Instrument :
MSVOA_X
ClientSampleId :

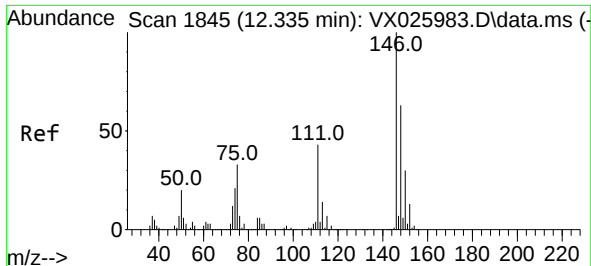
Tgt Ion:105 Resp: 943517
Ion Ratio Lower Upper
105 100
120 48.5 41.0 61.4



#63
1,2,4-Trimethylbenzene
Concen: 324.078 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX026001.D
Acq: 24 Dec 2021 04:07

Tgt Ion:105 Resp: 2600787
Ion Ratio Lower Upper
105 100
120 45.9 0.1 0.1#

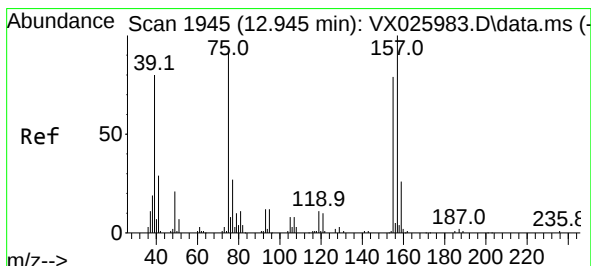
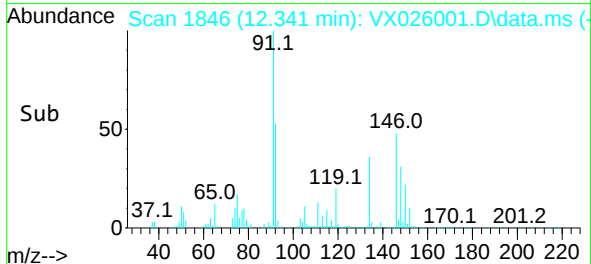
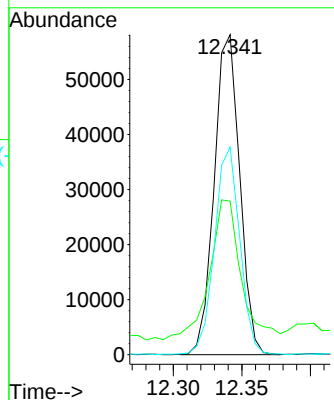
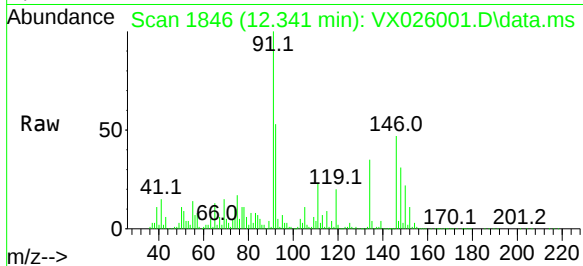




#67
1,2-Dichlorobenzene
Concen: 17.838 ug/L
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX026001.D
Acq: 24 Dec 2021 04:07

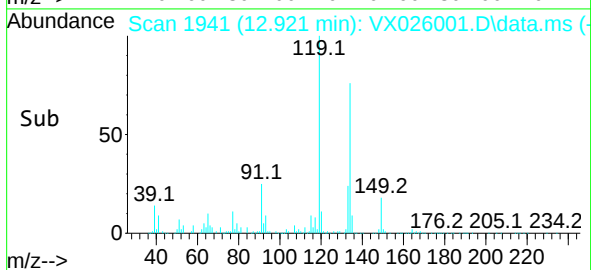
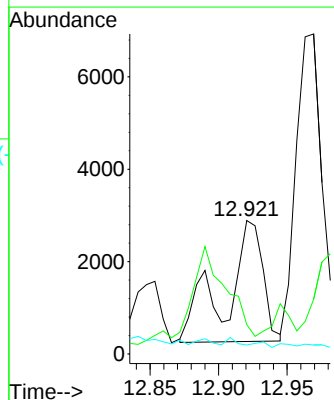
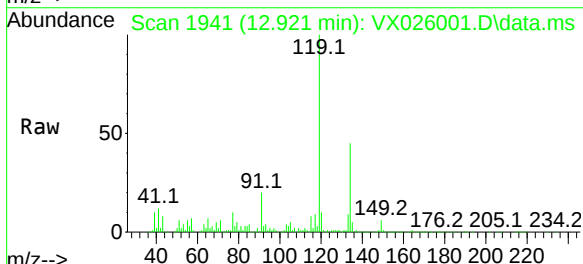
Instrument :
MSVOA_X
ClientSampleId :

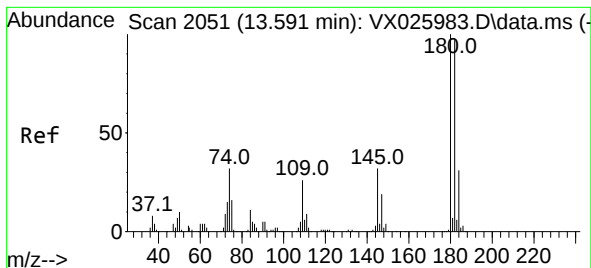
Tgt Ion:146 Resp: 75293
Ion Ratio Lower Upper
146 100
111 48.0 32.3 48.5
148 64.9 50.3 75.5



#68
1,2-Dibromo-3-chloropropane
Concen: 6.763 ug/L
RT: 12.921 min Scan# 1941
Delta R.T. -0.024 min
Lab File: VX026001.D
Acq: 24 Dec 2021 04:07

Tgt Ion: 75 Resp: 4958
Ion Ratio Lower Upper
75 100
155 22.0 79.4 119.2#
157 6.7 100.4 150.6#





#70

1,2,4-trichlorobenzene

Concen: 2.440 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX026001.D

Acq: 24 Dec 2021 04:07

Instrument :

MSVOA_X

ClientSampleId :

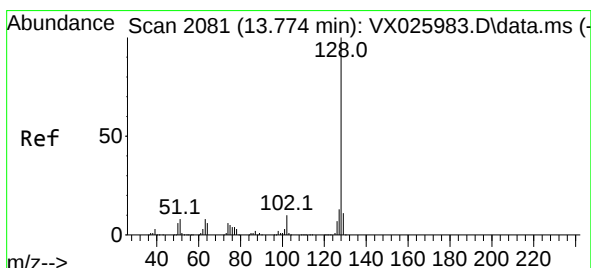
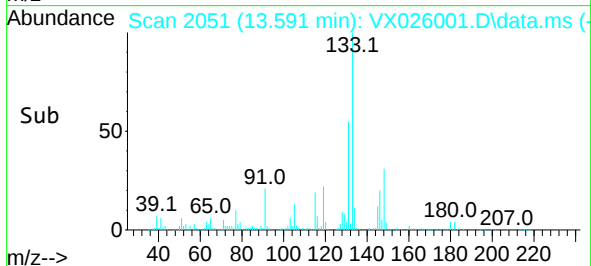
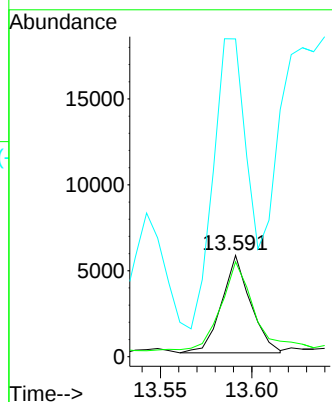
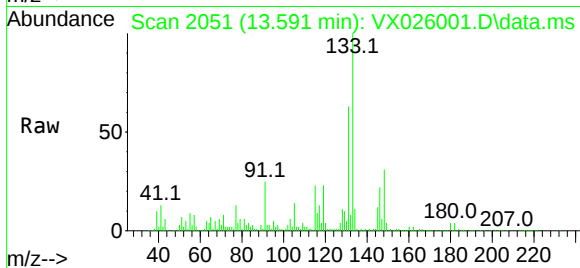
Tgt Ion:180 Resp: 6227

Ion Ratio Lower Upper

180 100

182 101.8 78.2 117.4

145 366.6 24.7 37.1#



#71

Naphthalene

Concen: 812.871 ug/L

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX026001.D

Acq: 24 Dec 2021 04:07

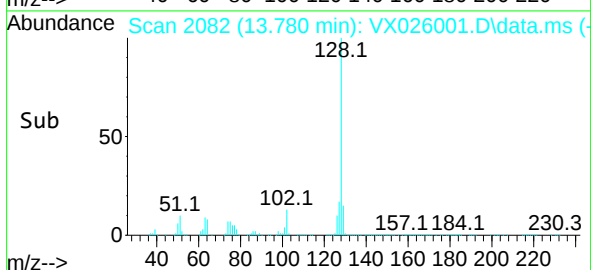
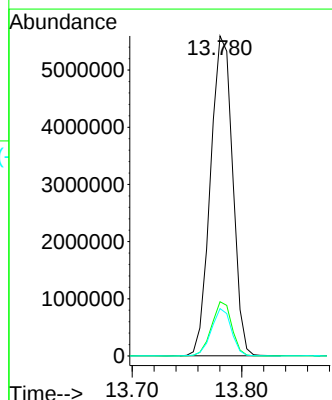
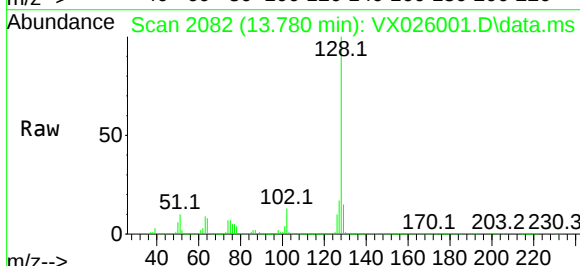
Tgt Ion:128 Resp: 7842559

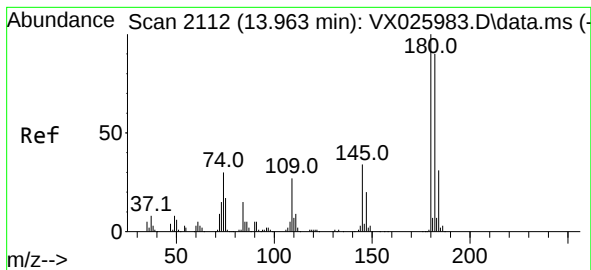
Ion Ratio Lower Upper

128 100

127 15.5 10.1 15.1#

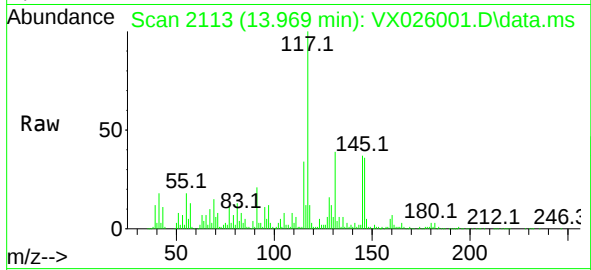
129 13.4 8.7 13.1#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.967 ug/L
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX026001.D
 Acq: 24 Dec 2021 04:07

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 2548
 Ion Ratio Lower Upper
 180 100
 182 99.1 75.2 112.8
 145 1306.6 25.8 38.6#

