

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122321\
 Data File : VX025997.D
 Acq On : 24 Dec 2021 02:29
 Operator : JC/MD
 Sample : M5121-08ME
 Misc : 5.20g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 24 06:49:43 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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	228417	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.061	117	212764	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.030	152	118981	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.373	65	91573	56.534	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	113.060%
7) Chloroethane-d5	1.654	69	29304	22.638	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	45.280%#
11) 1,1-Dichloroethene-d2	2.269	63	137502	42.837	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.680%
21) 2-Butanone-d5	4.507	46	109094	77.683	ug/L	0.05
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.680%
24) Chloroform-d	5.062	84	156091	48.154	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.300%
26) 1,2-Dichloroethane-d4	5.964	65	111735	50.912	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.820%
32) Benzene-d6	5.970	84	341917	55.832	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.660%
36) 1,2-Dichloropropane-d6	7.311	67	105157	55.240	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.480%
41) Toluene-d8	8.652	98	299196	52.326	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.660%
43) trans-1,3-Dichloroprop...	8.957	79	26719	32.261	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.520%
47) 2-Hexanone-d5	9.408	63	108468	110.404	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.400%
56) 1,1,2,2-Tetrachloroeth...	11.201	84	136470	48.618	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.240%
66) 1,2-Dichlorobenzene-d4	12.323	152	123583	54.966	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.940%
Target Compounds						
					Qvalue	
13) Acetone	2.422	43	4477	5.831	ug/L	97
15) Methyl Acetate	2.727	43	5675	2.682	ug/L #	91
29) Cyclohexane	5.470	56	3764	1.347	ug/L #	61
35) Methylcyclohexane	7.372	83	34249	12.521	ug/L	90
39) cis-1,3-Dichloropropene	8.329	75	2289	0.929	ug/L #	65
42) Toluene	8.720	91	11124	1.546	ug/L	97
45) 1,1,2-Trichloroethane	9.104	97	2603	1.571	ug/L #	24
52) Ethylbenzene	10.195	91	29282	3.752	ug/L	98
53) m,p-Xylene	10.305	106	10747	3.608	ug/L	86
54) o-Xylene	10.646	106	8685	2.944	ug/L	84
57) 1,1,2,2-Tetrachloroethane	11.219	83	16170	5.809	ug/L #	42
60) Isopropylbenzene	11.384	105	49625	6.071	ug/L	97
62) 1,3,5-Trimethylbenzene	11.457	105	44643	6.523	ug/L	96
63) 1,2,4-Trimethylbenzene	12.469	105	55308	8.066	ug/L	100
65) 1,4-Dichlorobenzene	12.048	146	4459	1.214	ug/L #	1
67) 1,2-Dichlorobenzene	12.341	146	97284	26.976	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.969	75	1483	2.368	ug/L #	13
69) 1,3,5-Trichlorobenzene	13.591	180	110776	45.241	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	110776	50.802	ug/L	96

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

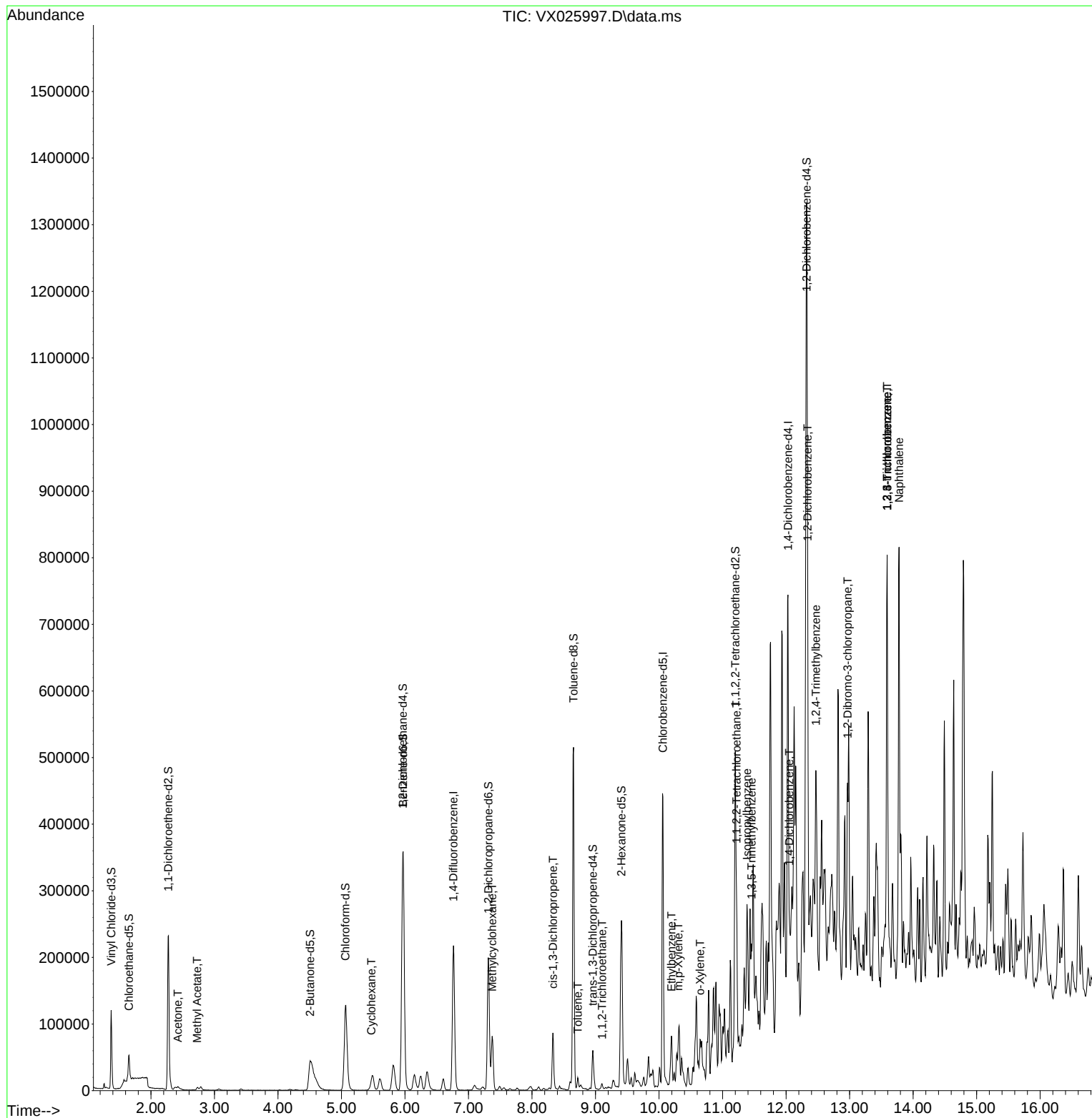
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.780	128	398791	48.378	ug/L	99
72) 1,2,3-Trichlorobenzene	13.591	180	107747	47.848	ug/L	98

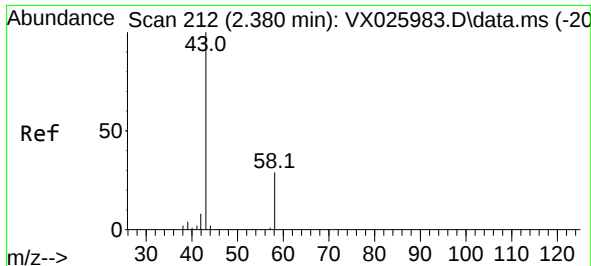
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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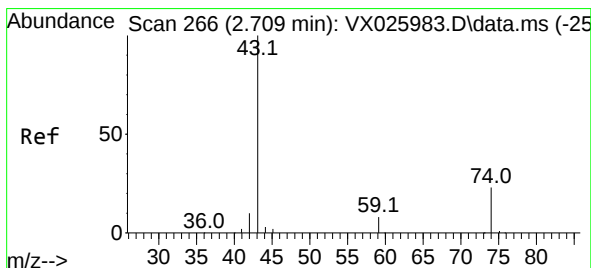
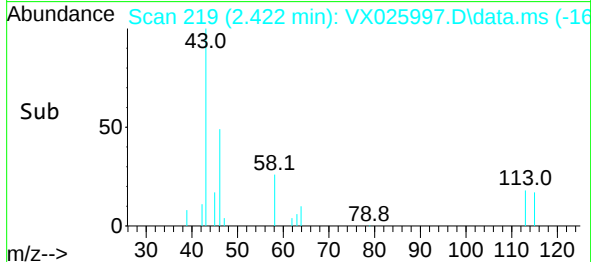
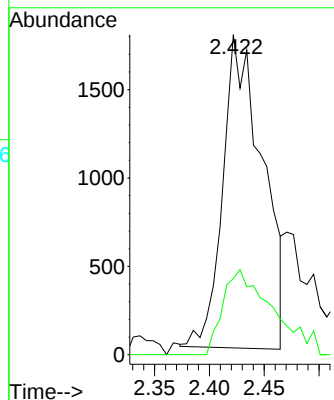
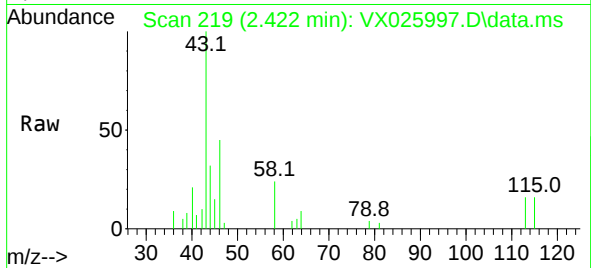




#13
Acetone
Concen: 5.831 ug/L
RT: 2.422 min Scan# 212
Delta R.T. 0.042 min
Lab File: VX025997.D
Acq: 24 Dec 2021 02:29

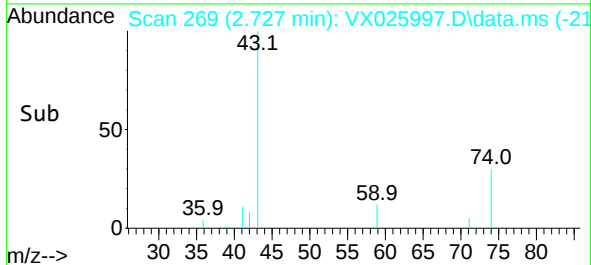
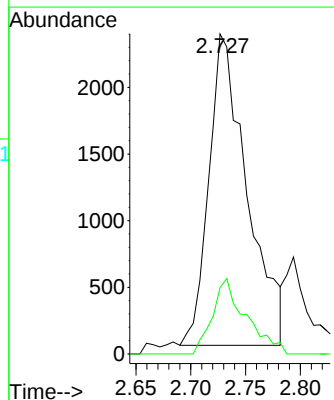
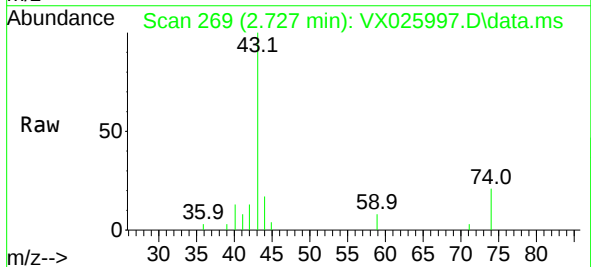
Instrument :
MSVOA_X
ClientSampleId :

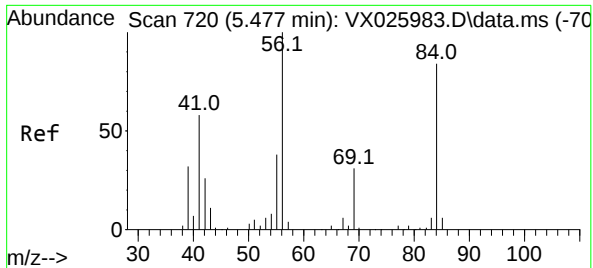
Tgt Ion: 43 Resp: 4477
Ion Ratio Lower Upper
43 100
58 31.0 0.0 65.6



#15
Methyl Acetate
Concen: 2.682 ug/L
RT: 2.727 min Scan# 269
Delta R.T. 0.018 min
Lab File: VX025997.D
Acq: 24 Dec 2021 02:29

Tgt Ion: 43 Resp: 5675
Ion Ratio Lower Upper
43 100
74 21.1 0.1 0.1#





#29

Cyclohexane

Concen: 1.347 ug/L

RT: 5.470 min Scan# 719

Delta R.T. -0.007 min

Lab File: VX025997.D

Acq: 24 Dec 2021 02:29

Instrument :

MSVOA_X

ClientSampleId :

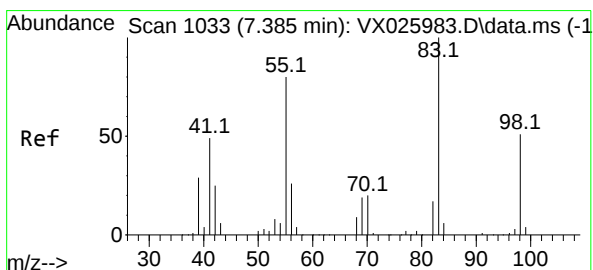
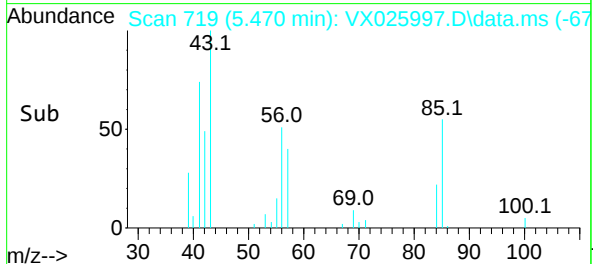
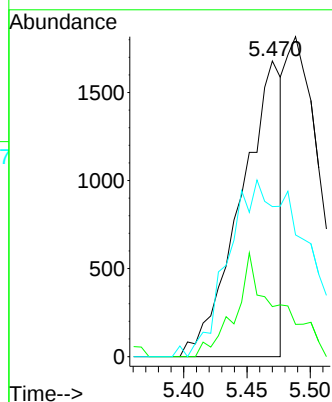
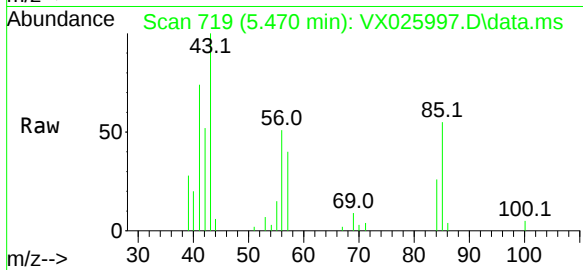
Tgt Ion: 56 Resp: 3764

Ion Ratio Lower Upper

56 100

69 24.7 25.4 38.2#

84 49.6 76.6 114.8#



#35

Methylcyclohexane

Concen: 12.521 ug/L

RT: 7.372 min Scan# 1031

Delta R.T. -0.013 min

Lab File: VX025997.D

Acq: 24 Dec 2021 02:29

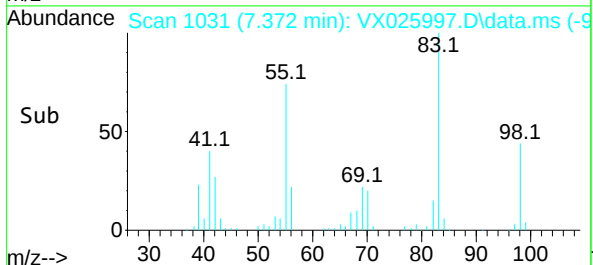
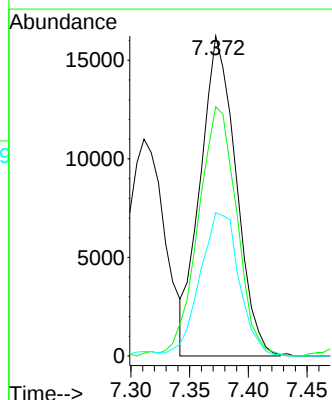
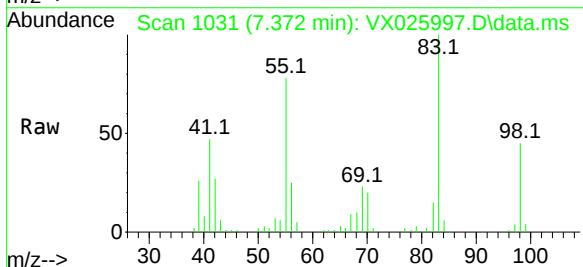
Tgt Ion: 83 Resp: 34249

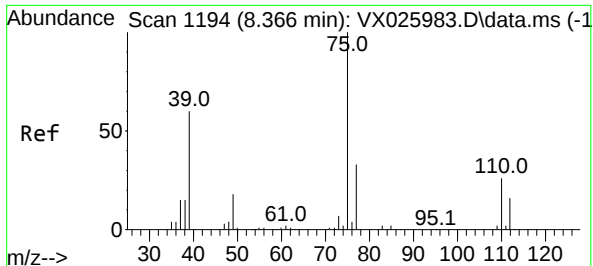
Ion Ratio Lower Upper

83 100

55 83.7 57.3 85.9

98 49.1 41.1 61.7





#39

cis-1,3-Dichloropropene

Concen: 0.929 ug/L

RT: 8.329 min Scan# 1188

Delta R.T. -0.037 min

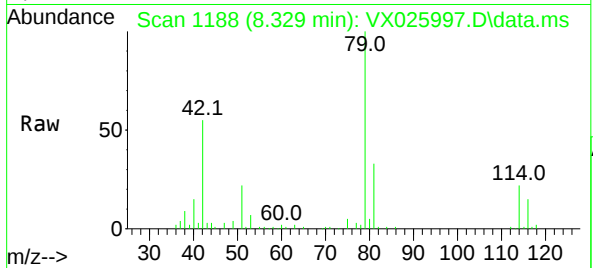
Lab File: VX025997.D

Acq: 24 Dec 2021 02:29

Instrument :

MSVOA_X

ClientSampleId :

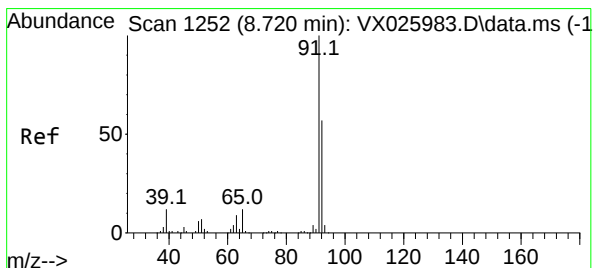
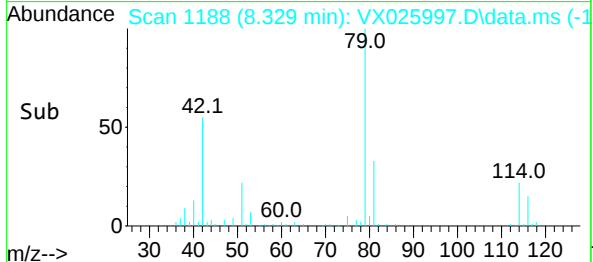
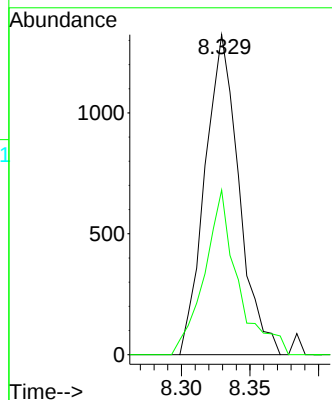


Tgt Ion: 75 Resp: 2289

Ion Ratio Lower Upper

75 100

77 51.4 22.3 41.3#



#42

Toluene

Concen: 1.546 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX025997.D

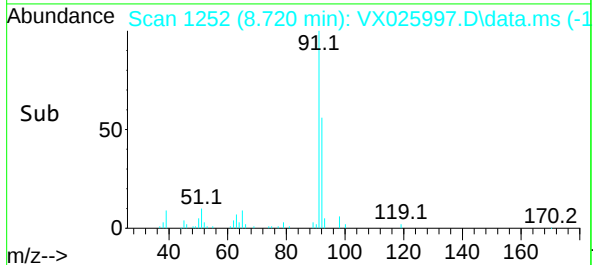
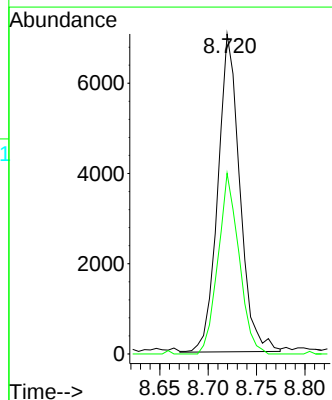
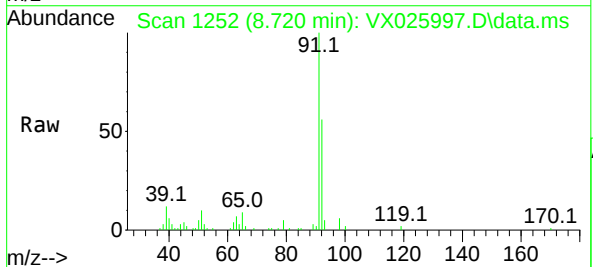
Acq: 24 Dec 2021 02:29

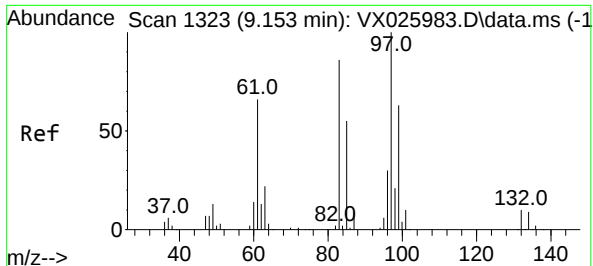
Tgt Ion: 91 Resp: 11124

Ion Ratio Lower Upper

91 100

92 56.4 41.2 76.6





#45

1,1,2-Trichloroethane

Concen: 1.571 ug/L

RT: 9.104 min Scan# 1

Delta R.T. -0.049 min

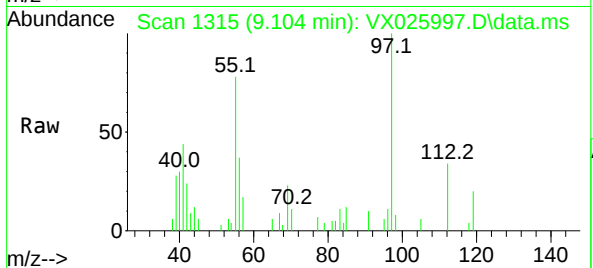
Lab File: VX025997.D

Acq: 24 Dec 2021 02:29

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 97 Resp: 2603

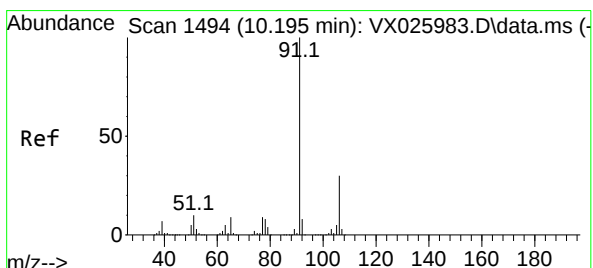
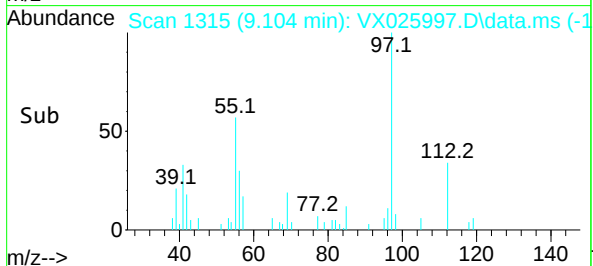
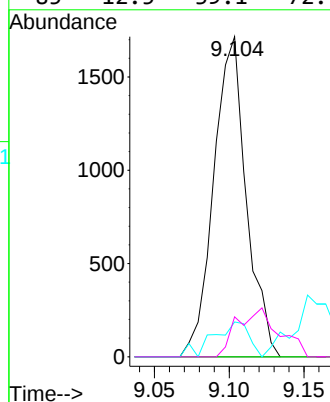
Ion Ratio Lower Upper

97 100

99 0.0 46.0 85.4#

83 10.9 59.6 110.8#

85 12.5 39.1 72.7#



#52

Ethylbenzene

Concen: 3.752 ug/L

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX025997.D

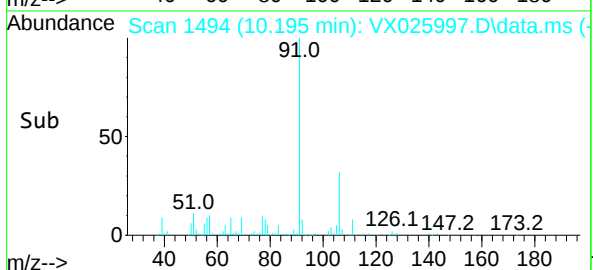
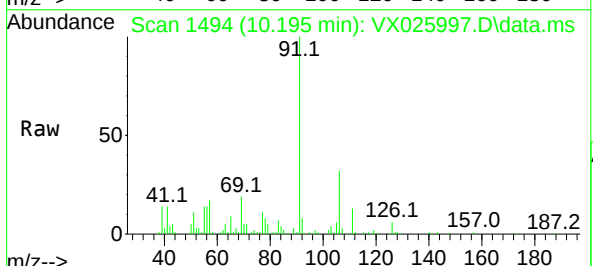
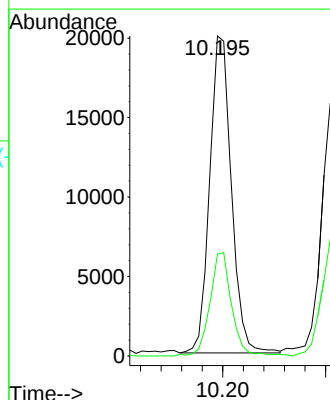
Acq: 24 Dec 2021 02:29

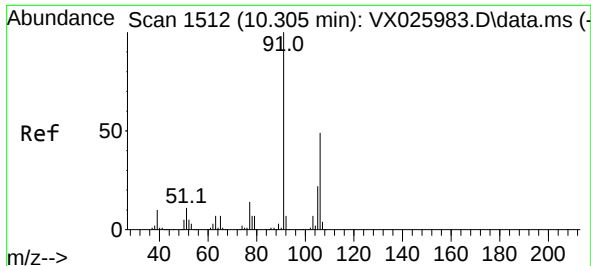
Tgt Ion: 91 Resp: 29282

Ion Ratio Lower Upper

91 100

106 31.8 23.1 42.9

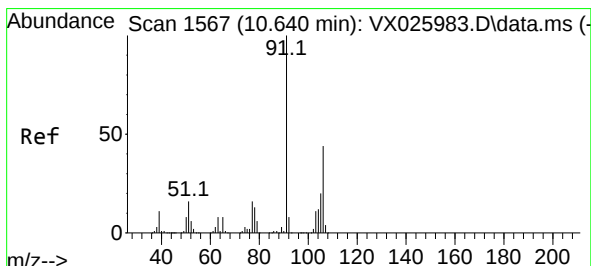
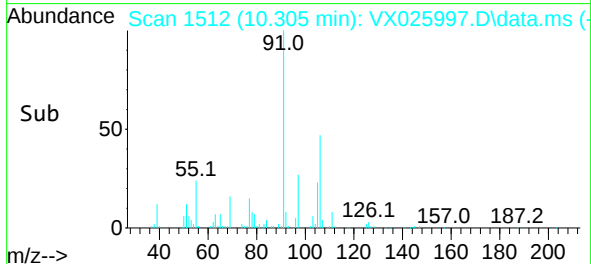
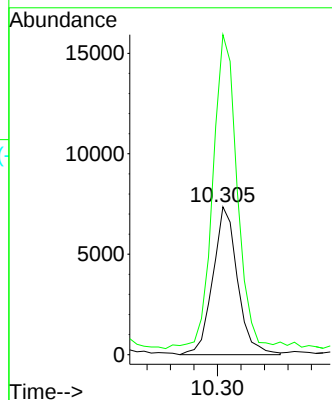
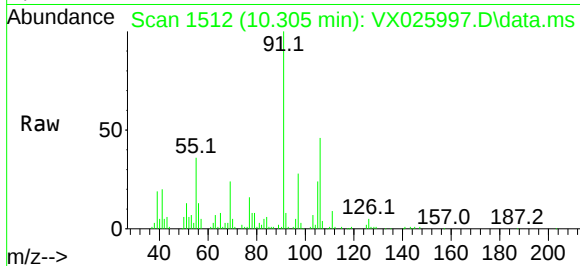




#53
m,p-Xylene
Concen: 3.608 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX025997.D
Acq: 24 Dec 2021 02:29

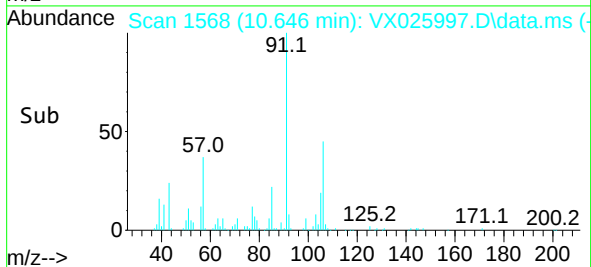
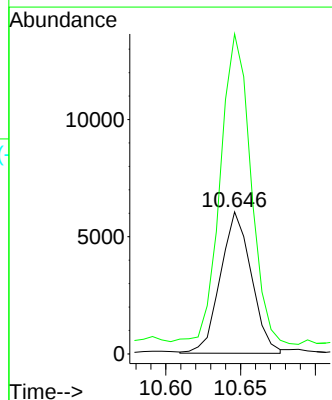
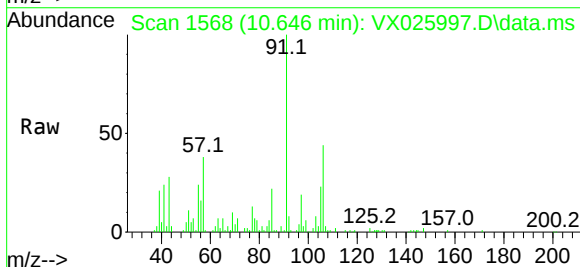
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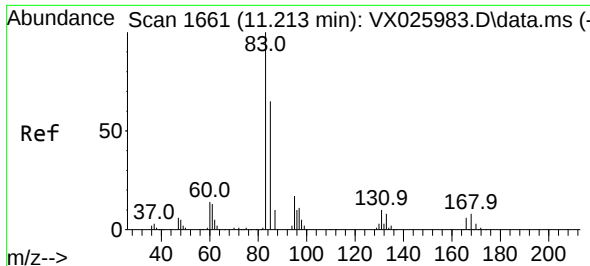
Tgt Ion:106 Resp: 10747
Ion Ratio Lower Upper
106 100
91 216.4 136.8 254.2



#54
o-Xylene
Concen: 2.944 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX025997.D
Acq: 24 Dec 2021 02:29

Tgt Ion:106 Resp: 8685
Ion Ratio Lower Upper
106 100
91 225.1 140.5 260.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.809 ug/L

RT: 11.219 min Scan# 1661

Delta R.T. 0.006 min

Lab File: VX025997.D

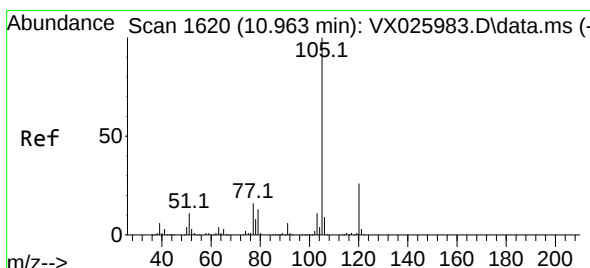
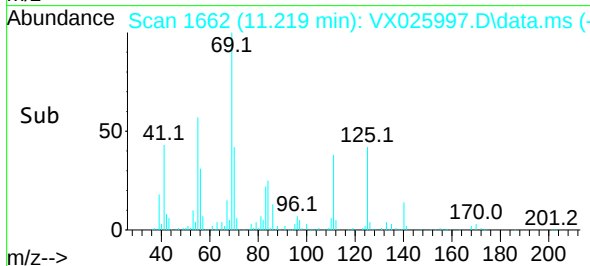
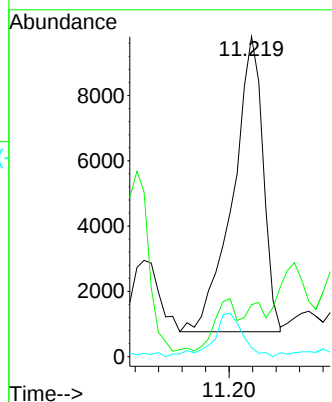
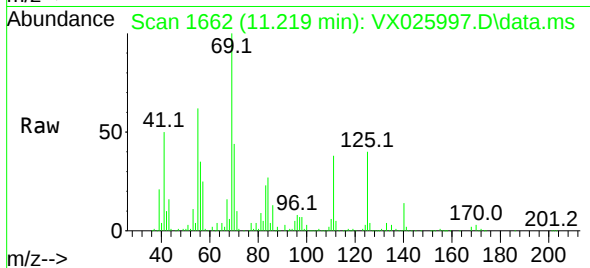
Acq: 24 Dec 2021 02:29

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 83	Resp: 16170
Ion Ratio	Lower Upper
83	100
85	16.2 47.0 87.2#
131	2.9 8.5 12.7#



#60

Isopropylbenzene

Concen: 6.071 ug/L

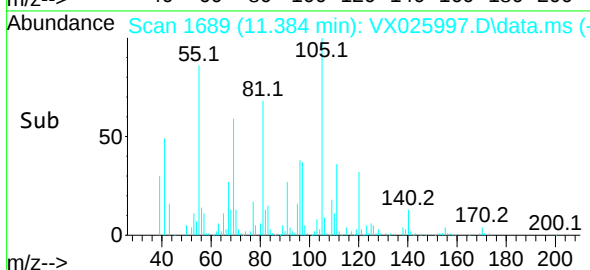
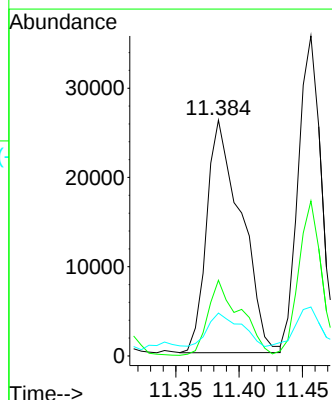
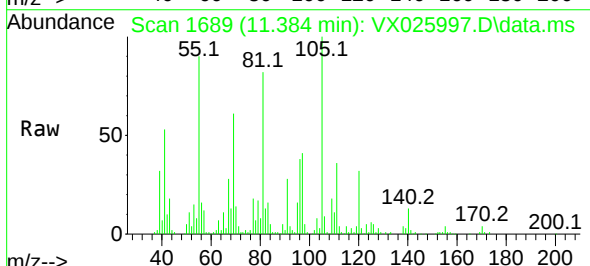
RT: 11.384 min Scan# 1689

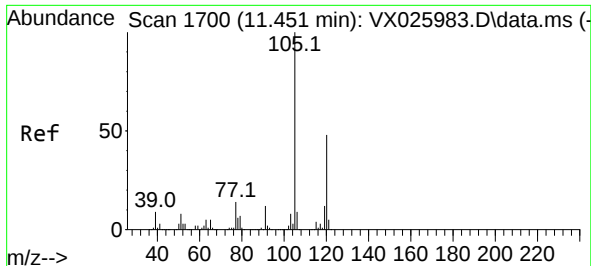
Delta R.T. 0.420 min

Lab File: VX025997.D

Acq: 24 Dec 2021 02:29

Tgt Ion: 105	Resp: 49625
Ion Ratio	Lower Upper
105	100
120	30.4 22.3 33.5
77	14.4 11.5 17.3

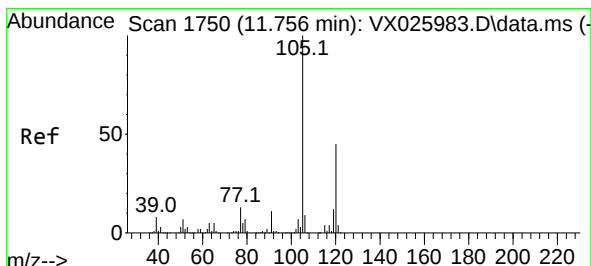
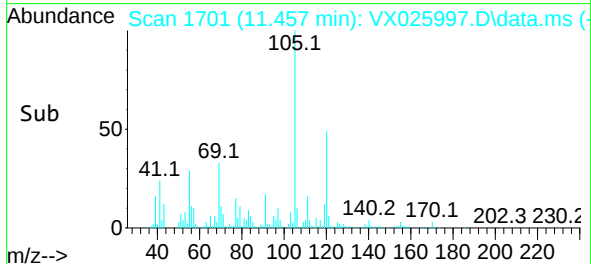
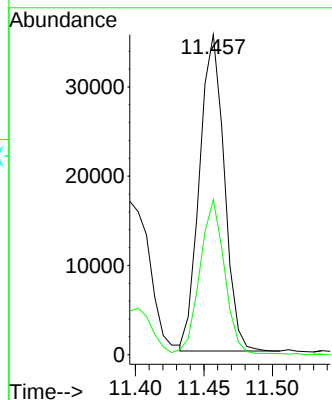
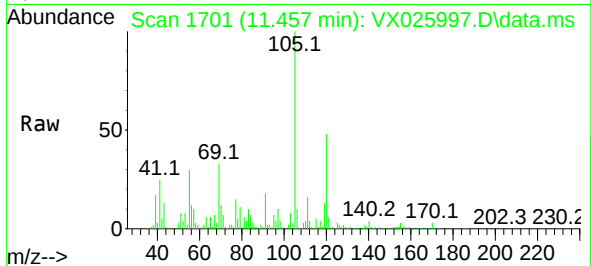




#62
 1,3,5-Trimethylbenzene
 Concen: 6.523 ug/L
 RT: 11.457 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX025997.D
 Acq: 24 Dec 2021 02:29

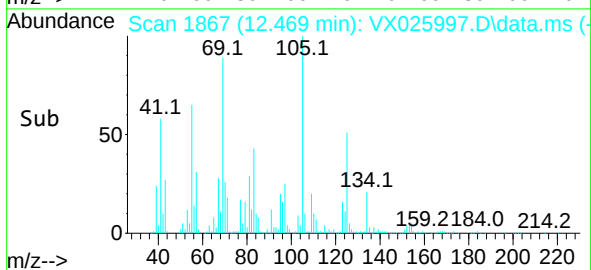
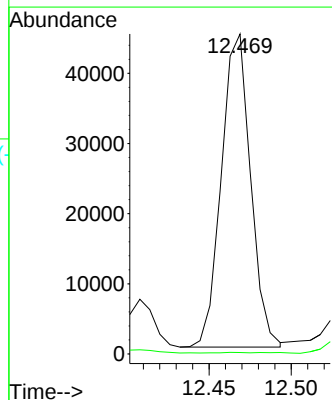
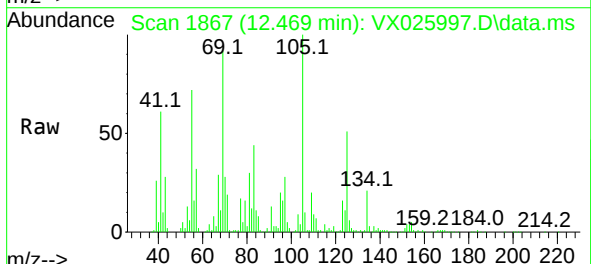
Instrument :
 MSVOA_X
 ClientSampleId :

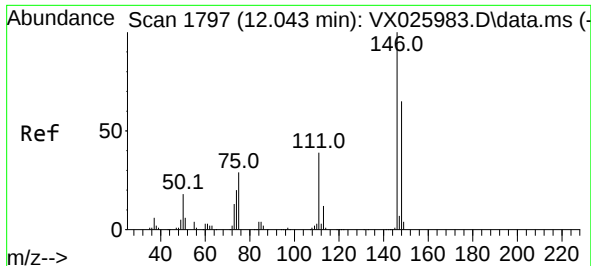
Tgt Ion:105 Resp: 44643
 Ion Ratio Lower Upper
 105 100
 120 48.4 41.0 61.4



#63
 1,2,4-Trimethylbenzene
 Concen: 8.066 ug/L
 RT: 12.469 min Scan# 1867
 Delta R.T. 0.713 min
 Lab File: VX025997.D
 Acq: 24 Dec 2021 02:29

Tgt Ion:105 Resp: 55308
 Ion Ratio Lower Upper
 105 100
 120 0.1 0.1 0.1

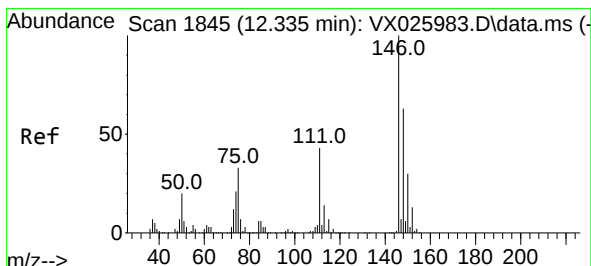
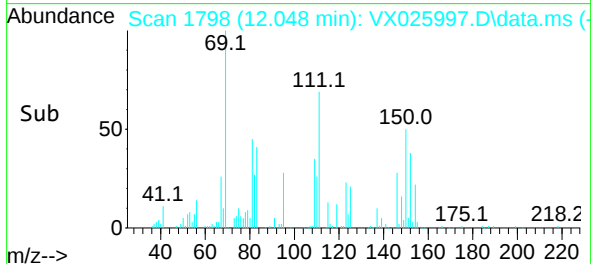
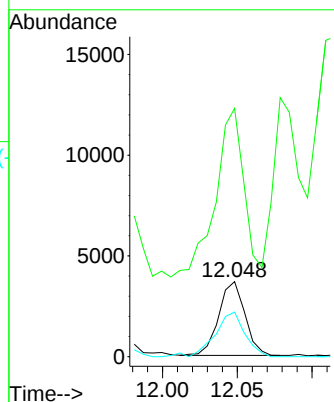
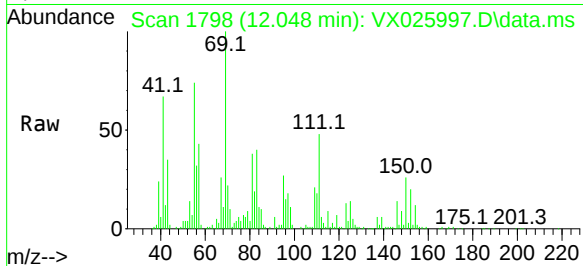




#65
1,4-Dichlorobenzene
Concen: 1.214 ug/L
RT: 12.048 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX025997.D
Acq: 24 Dec 2021 02:29

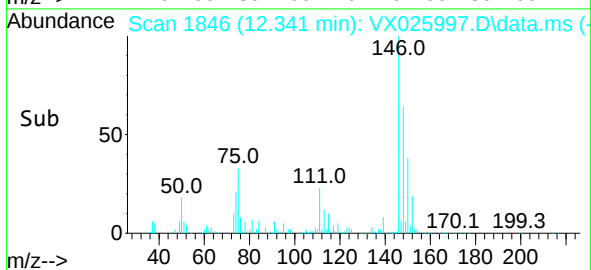
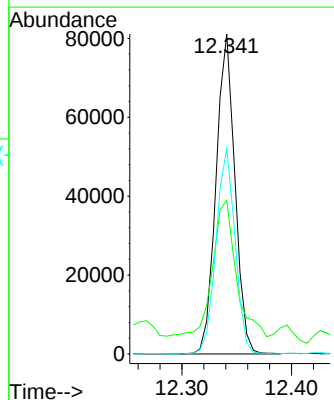
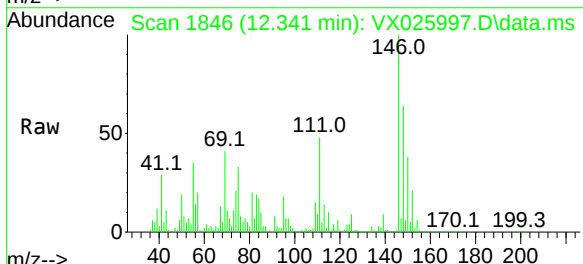
Instrument :
MSVOA_X
ClientSampleId :

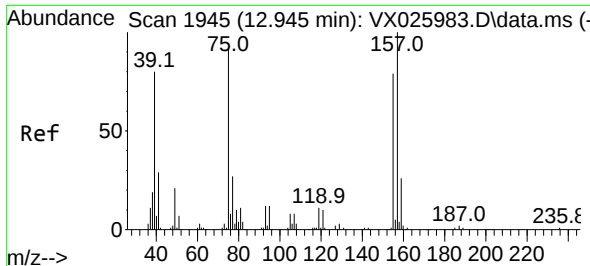
Tgt Ion:146 Resp: 4459
Ion Ratio Lower Upper
146 100
111 330.6 26.5 49.3#
148 59.4 45.5 84.5



#67
1,2-Dichlorobenzene
Concen: 26.976 ug/L
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX025997.D
Acq: 24 Dec 2021 02:29

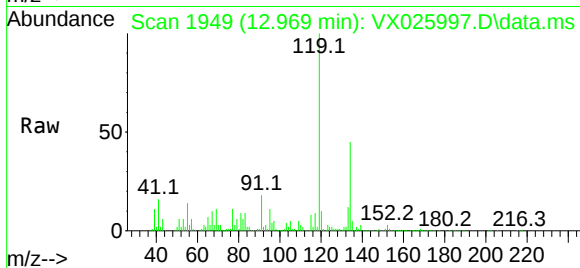
Tgt Ion:146 Resp: 97284
Ion Ratio Lower Upper
146 100
111 48.0 32.3 48.5
148 64.1 50.3 75.5



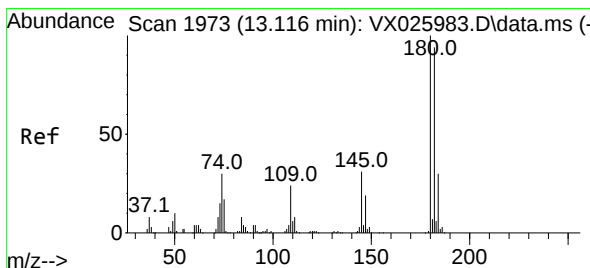
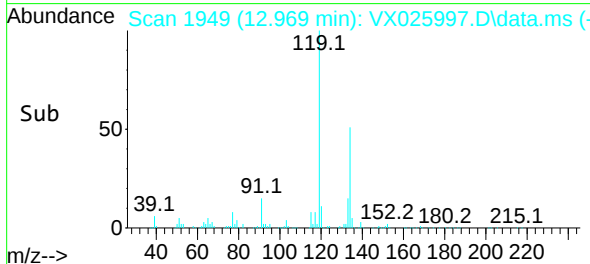
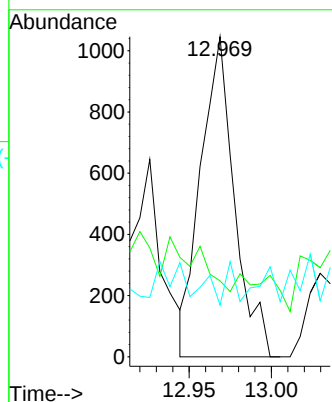


#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.368 ug/L
 RT: 12.969 min Scan# 1949
 Delta R.T. 0.024 min
 Lab File: VX025997.D
 Acq: 24 Dec 2021 02:29

Instrument :
 MSVOA_X
 ClientSampleId :

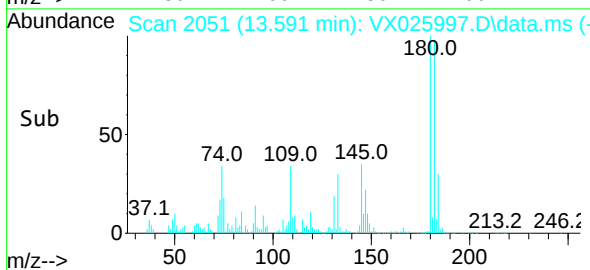
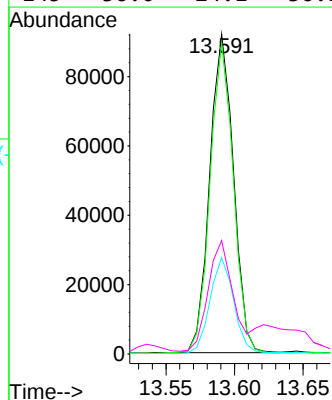
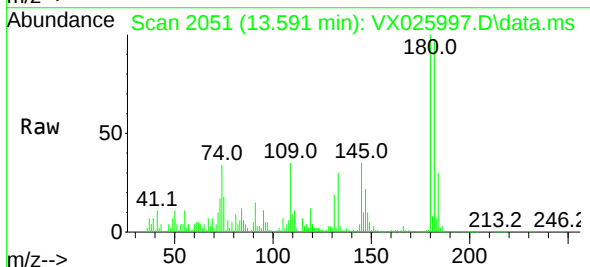


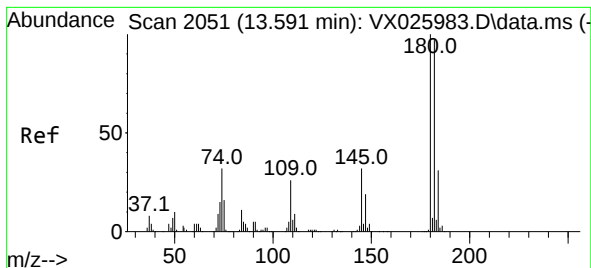
Tgt Ion: 75 Resp: 1483
 Ion Ratio Lower Upper
 75 100
 155 23.7 79.4 119.2#
 157 16.2 100.4 150.6#



#69
 1,3,5-Trichlorobenzene
 Concen: 45.241 ug/L
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.475 min
 Lab File: VX025997.D
 Acq: 24 Dec 2021 02:29

Tgt Ion: 180 Resp: 110776
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.3 112.9
 184 30.1 24.6 37.0
 145 36.0 24.1 36.1





#70

1,2,4-trichlorobenzene

Concen: 50.802 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX025997.D

Acq: 24 Dec 2021 02:29

Instrument :

MSVOA_X

ClientSampleId :

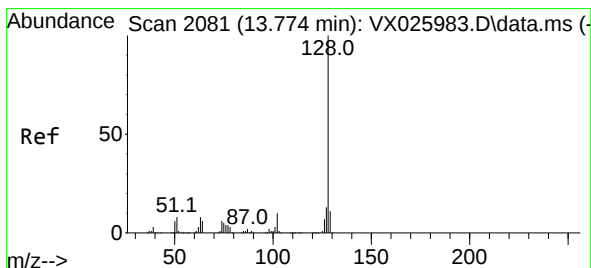
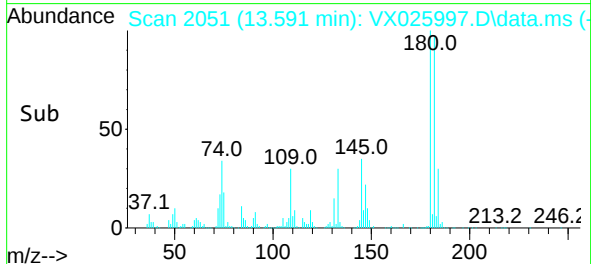
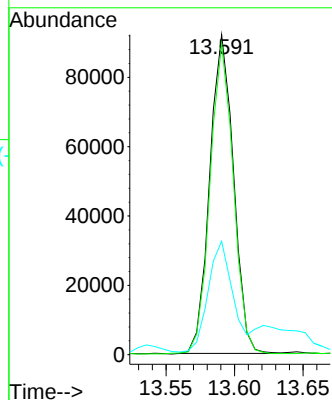
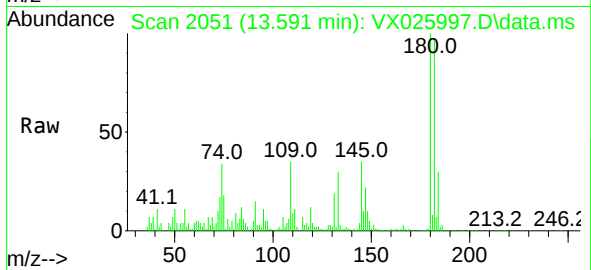
Tgt Ion:180 Resp: 110776

Ion Ratio Lower Upper

180 100

182 95.0 78.2 117.4

145 36.0 24.7 37.1



#71

Naphthalene

Concen: 48.378 ug/L

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX025997.D

Acq: 24 Dec 2021 02:29

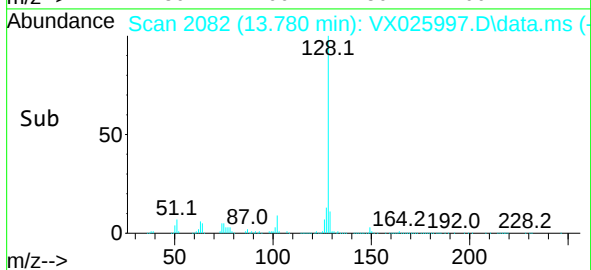
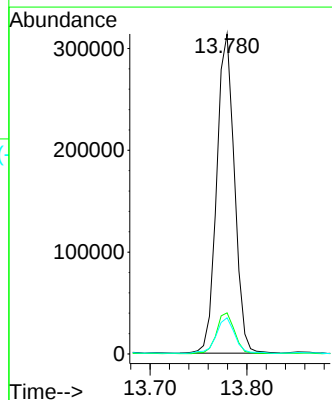
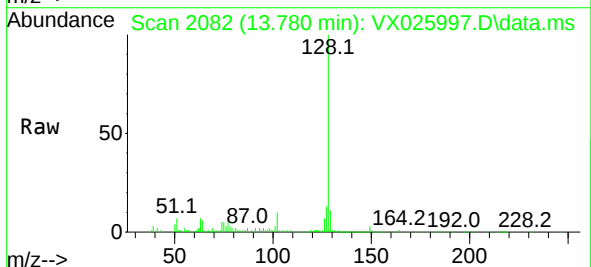
Tgt Ion:128 Resp: 398791

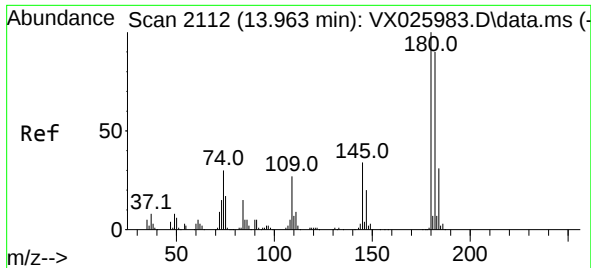
Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

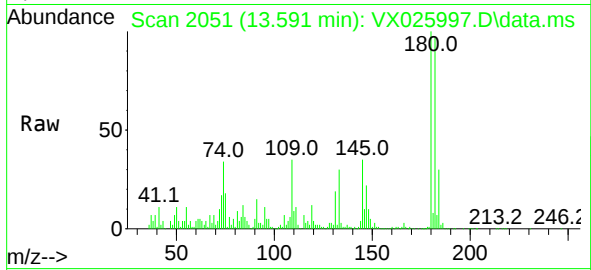
129 11.7 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 47.848 ug/L
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.372 min
 Lab File: VX025997.D
 Acq: 24 Dec 2021 02:29

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 107747
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.2 112.8
 145 30.1 25.8 38.6

