

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122321\
 Data File : VX026005.D
 Acq On : 24 Dec 2021 05:40
 Operator : JC/MD
 Sample : M5171-13ME
 Misc : 6.28g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 24 06:50:48 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	209642	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.061	117	195469	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	109071	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.374	65	85483	57.500	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	115.000%
7) Chloroethane-d5	1.654	69	28268	23.793	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	47.580%#
11) 1,1-Dichloroethene-d2	2.270	63	136872	46.460	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.920%
21) 2-Butanone-d5	4.501	46	106093	82.312	ug/L	0.04
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.310%
24) Chloroform-d	5.062	84	152376	51.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.440%
26) 1,2-Dichloroethane-d4	5.958	65	109982	54.601	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.200%
32) Benzene-d6	5.971	84	337294	59.950	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.900%
36) 1,2-Dichloropropane-d6	7.312	67	100243	57.318	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.640%
41) Toluene-d8	8.647	98	299124	56.942	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.880%
43) trans-1,3-Dichloroprop...	8.958	79	26936	35.400	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.800%
47) 2-Hexanone-d5	9.409	63	105893	117.319	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.320%
56) 1,1,2,2-Tetrachloroeth...	11.201	84	137142	53.181	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.360%
66) 1,2-Dichlorobenzene-d4	12.323	152	121701	59.047	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.100%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.276	101	1321	0.877	ug/L #	17
13) Acetone	2.422	43	4874	6.917	ug/L	74
27) 1,2-Dichloroethane	5.971	62	2187	0.898	ug/L	99
35) Methylcyclohexane	7.312	83	24522	9.758	ug/L #	20
37) 1,2-Dichloropropane	7.312	63	11586	7.354	ug/L #	85
39) cis-1,3-Dichloropropene	8.330	75	2057	0.909	ug/L #	63
44) trans-1,3-Dichloropropene	8.958	75	1481	0.689	ug/L #	82
48) 2-Hexanone	9.409	43	14261	7.079	ug/L #	64
52) Ethylbenzene	10.195	91	37922	5.290	ug/L	96
53) m,p-Xylene	10.305	106	9021	3.296	ug/L	99
54) o-Xylene	10.647	106	4110	1.516	ug/L	87
57) 1,1,2,2-Tetrachloroethane	11.220	83	9499	3.715	ug/L #	42
60) Isopropylbenzene	10.964	105	104003	13.879	ug/L	97
62) 1,3,5-Trimethylbenzene	11.457	105	21801	3.475	ug/L	94
63) 1,2,4-Trimethylbenzene	11.756	105	313649	49.900	ug/L #	81
64) 1,3-Dichlorobenzene	11.976	146	9574	2.863	ug/L #	50
65) 1,4-Dichlorobenzene	12.049	146	39127	11.623	ug/L #	88
67) 1,2-Dichlorobenzene	12.341	146	86467	26.155	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.927	75	6194	10.788	ug/L #	1

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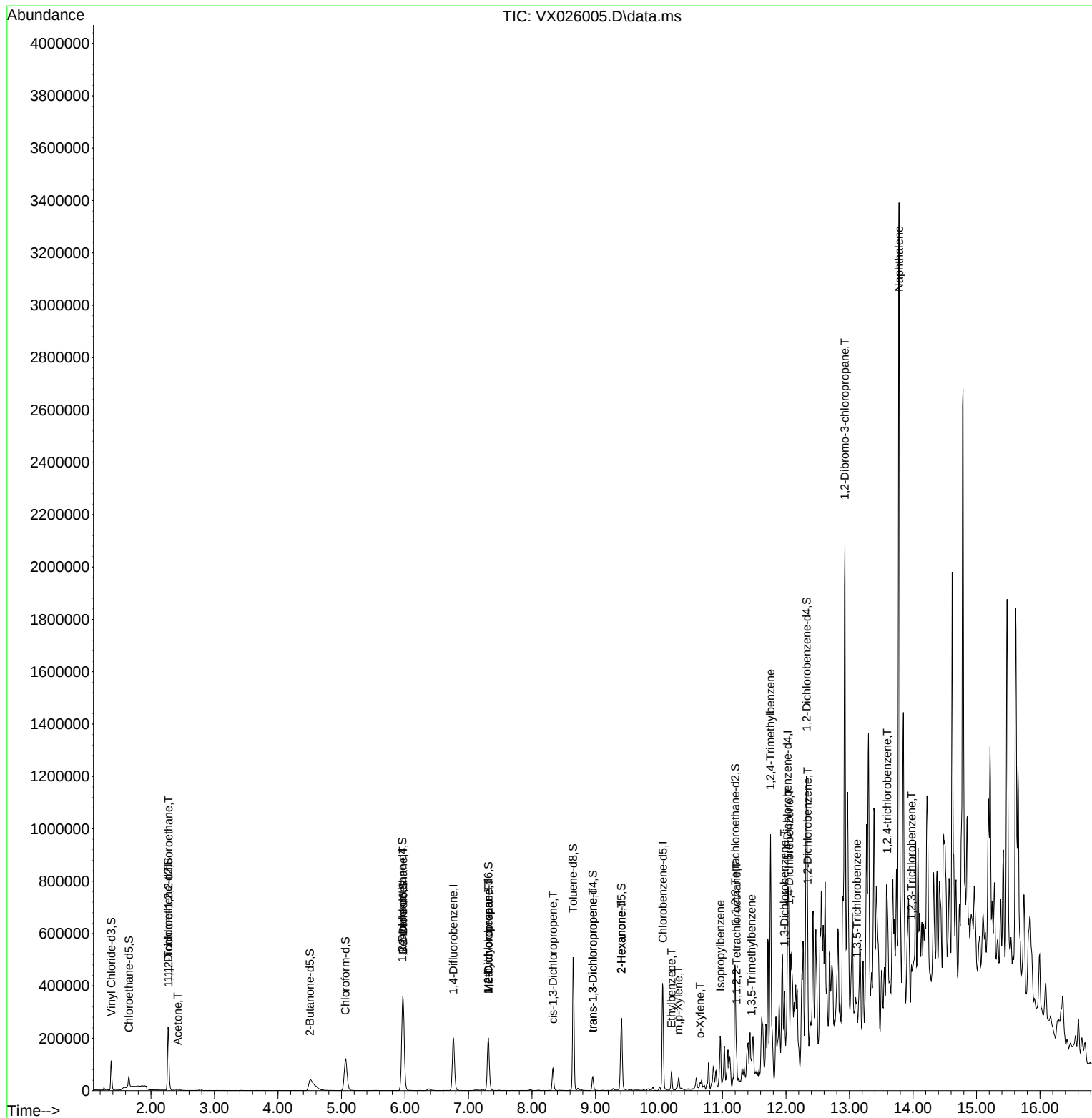
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,3,5-Trichlorobenzene	13.116	180	7477	3.331	ug/L	95
70) 1,2,4-trichlorobenzene	13.591	180	15014	7.511	ug/L #	57
71) Naphthalene	13.780	128	1775017	234.895	ug/L	99
72) 1,2,3-Trichlorobenzene	13.975	180	3981	1.929	ug/L #	1

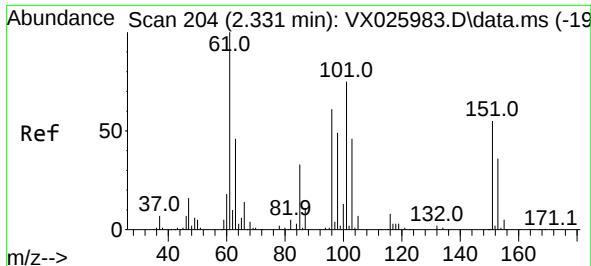
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.877 ug/L

RT: 2.276 min Scan# 195

Delta R.T. -0.055 min

Lab File: VX026005.D

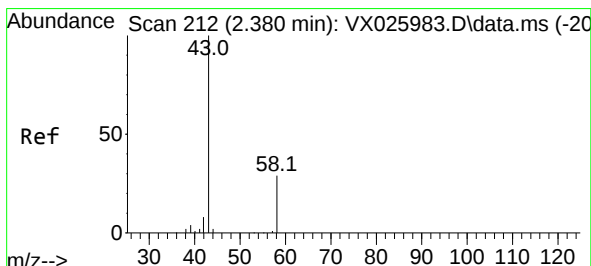
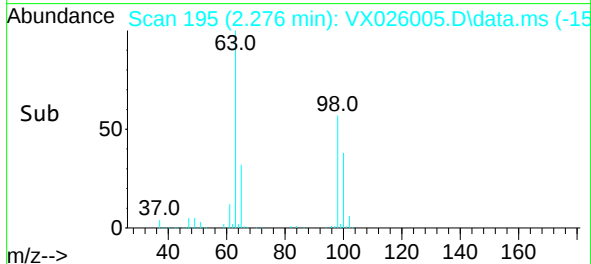
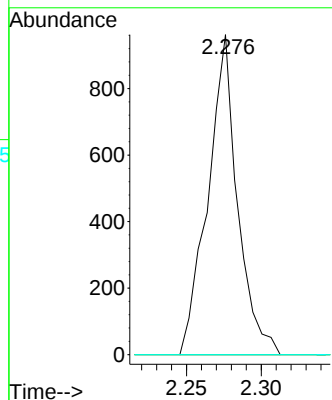
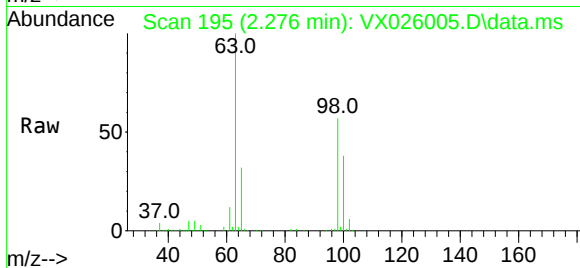
Acq: 24 Dec 2021 05:40

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	101	Resp:	1321
Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.3	51.5#
151	0.0	65.2	97.8#



#13

Acetone

Concen: 6.917 ug/L

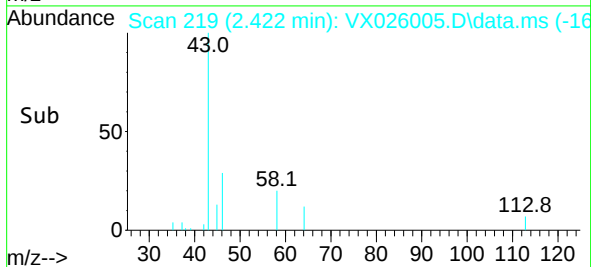
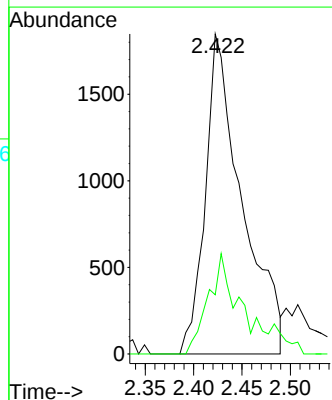
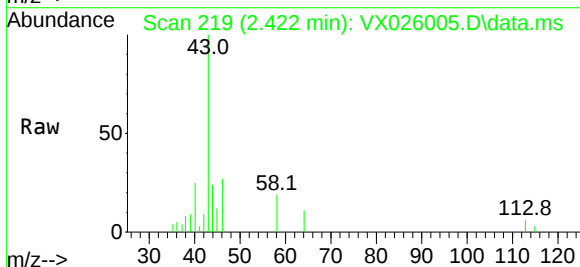
RT: 2.422 min Scan# 219

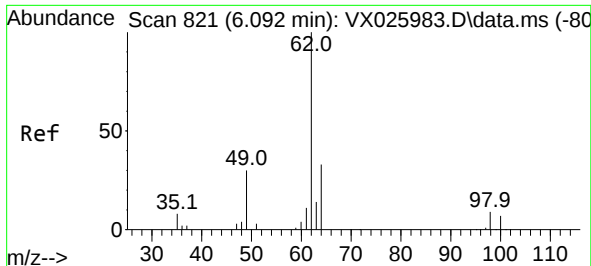
Delta R.T. 0.043 min

Lab File: VX026005.D

Acq: 24 Dec 2021 05:40

Tgt Ion:	43	Resp:	4874
Ion	Ratio	Lower	Upper
43	100		
58	18.1	0.0	65.6

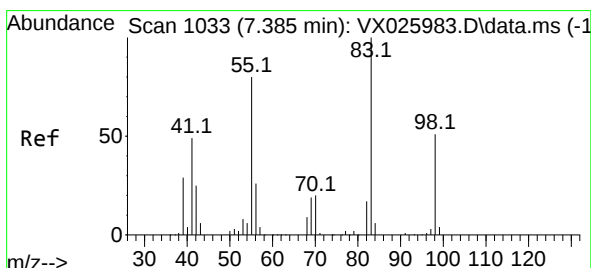
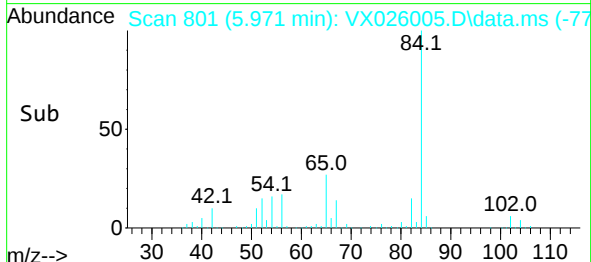
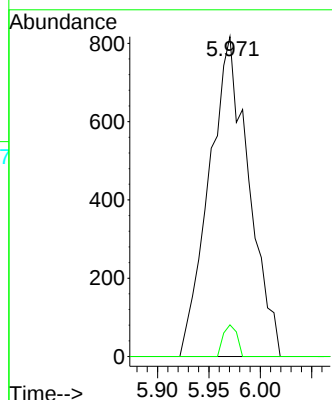
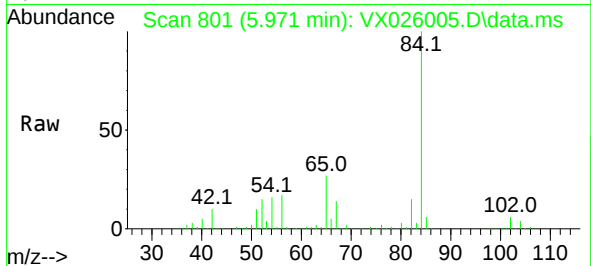




#27
1,2-Dichloroethane
Concen: 0.898 ug/L
RT: 5.971 min Scan# 80
Delta R.T. -0.122 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40

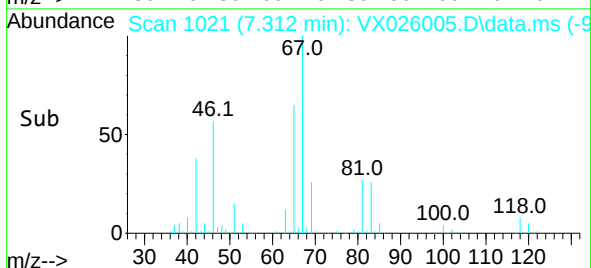
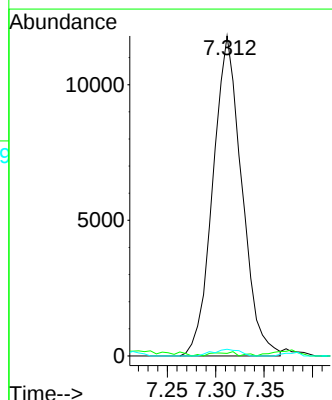
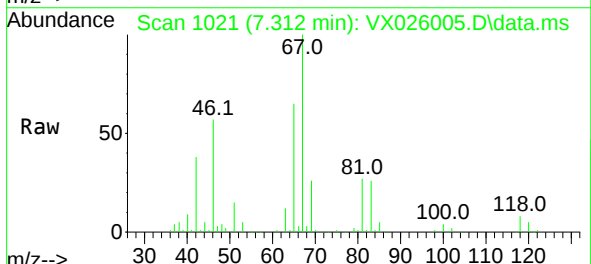
Instrument :
MSVOA_X
ClientSampleId :

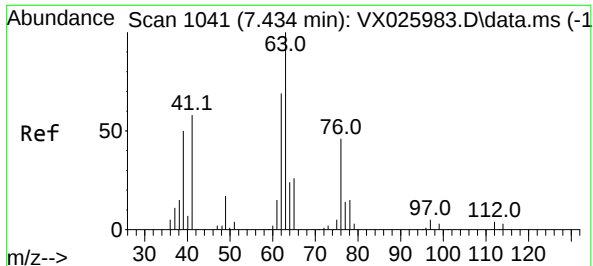
Tgt Ion: 62 Resp: 2187
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.2



#35
Methylcyclohexane
Concen: 9.758 ug/L
RT: 7.312 min Scan# 1021
Delta R.T. -0.073 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40

Tgt Ion: 83 Resp: 24522
Ion Ratio Lower Upper
83 100
55 0.2 57.3 85.9#
98 1.9 41.1 61.7#





#37

1,2-Dichloropropane

Concen: 7.354 ug/L

RT: 7.312 min Scan# 1186

Delta R.T. -0.122 min

Lab File: VX026005.D

Acq: 24 Dec 2021 05:40

Instrument :

MSVOA_X

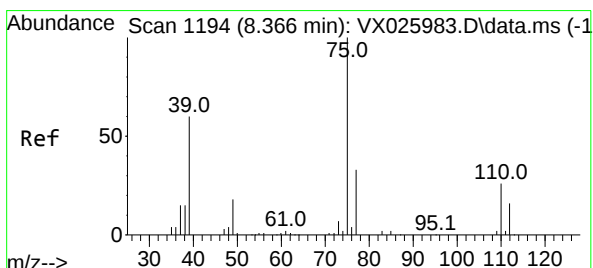
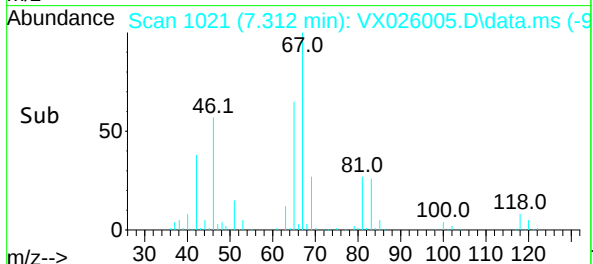
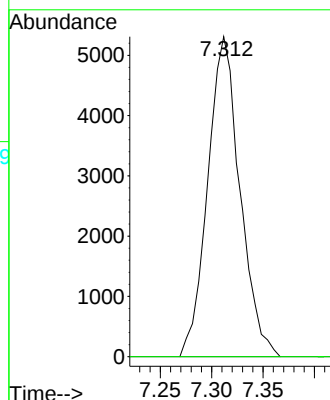
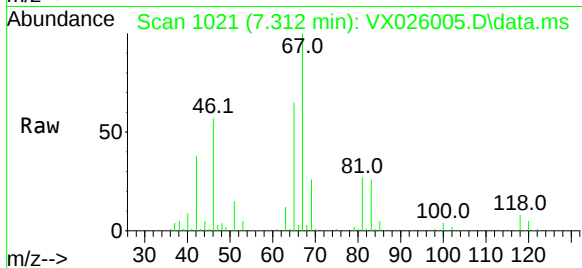
ClientSampleId :

Tgt Ion: 63 Resp: 11586

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.909 ug/L

RT: 8.330 min Scan# 1188

Delta R.T. -0.037 min

Lab File: VX026005.D

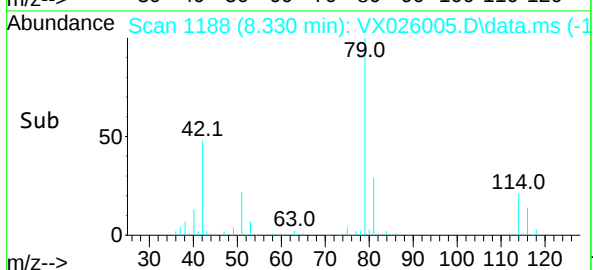
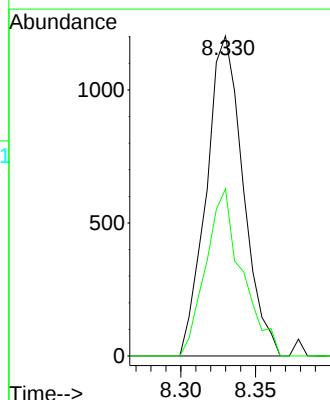
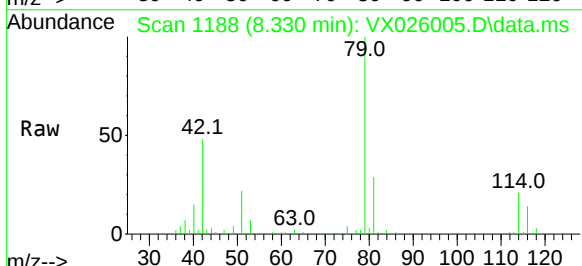
Acq: 24 Dec 2021 05:40

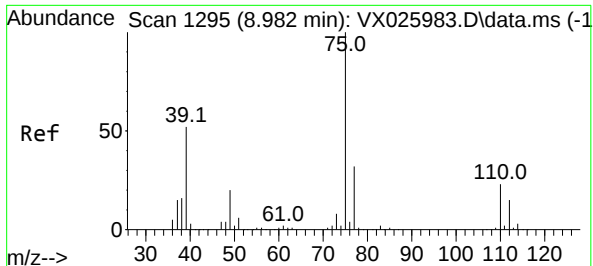
Tgt Ion: 75 Resp: 2057

Ion Ratio Lower Upper

75 100

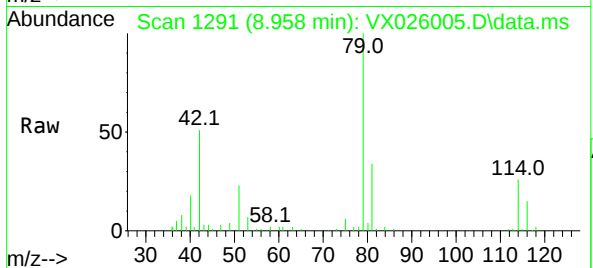
77 52.2 22.3 41.3#



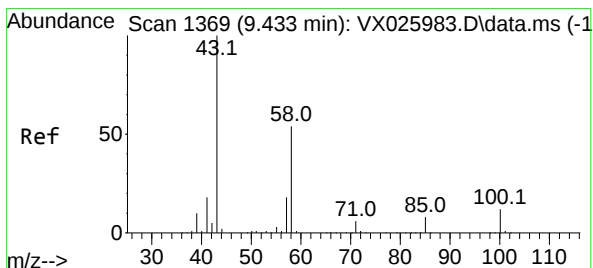
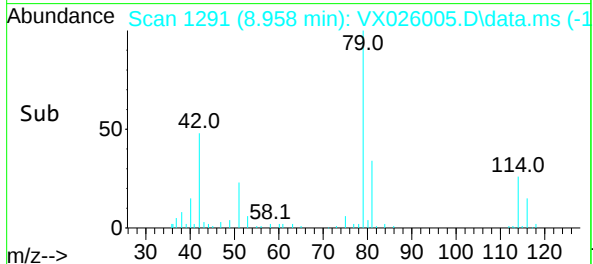
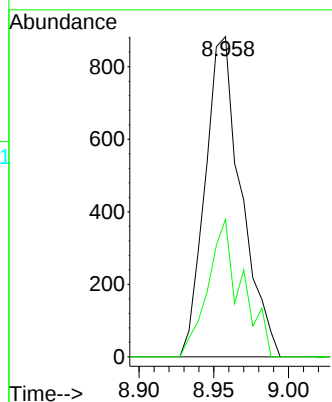


#44
trans-1,3-Dichloropropene
Concen: 0.689 ug/L
RT: 8.958 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40

Instrument :
MSVOA_X
ClientSampleId :

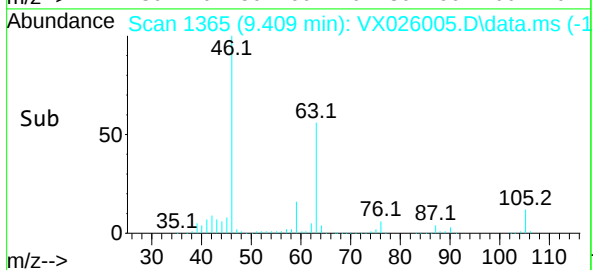
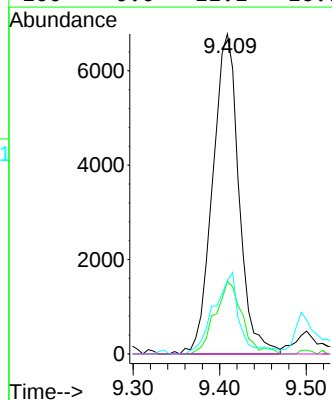
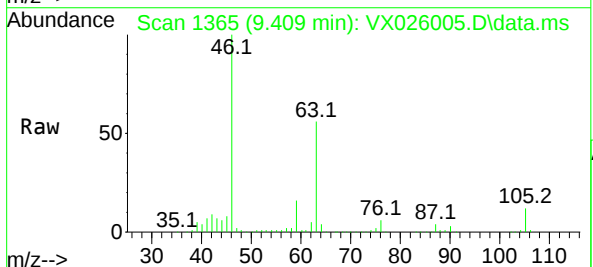


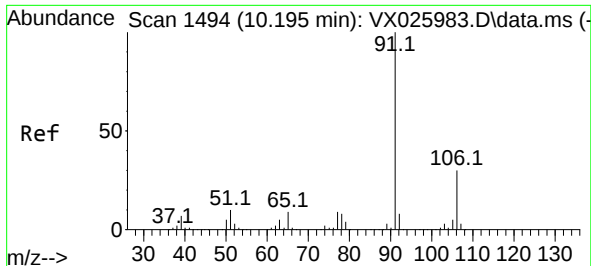
Tgt Ion: 75 Resp: 1481
Ion Ratio Lower Upper
75 100
77 43.0 23.0 42.8#



#48
2-Hexanone
Concen: 7.079 ug/L
RT: 9.409 min Scan# 1365
Delta R.T. -0.024 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40

Tgt Ion: 43 Resp: 14261
Ion Ratio Lower Upper
43 100
58 22.6 44.2 66.4#
57 23.8 15.1 22.7#
100 0.0 11.1 16.7#

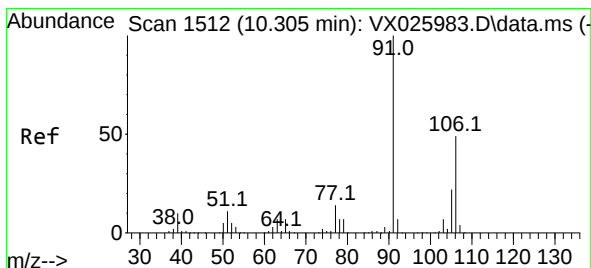
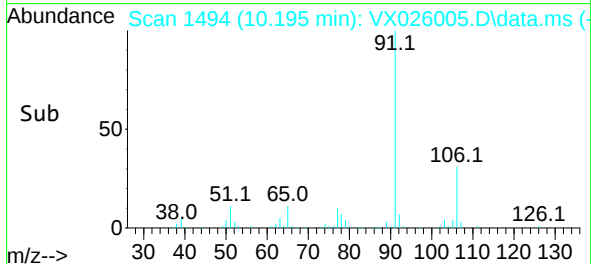
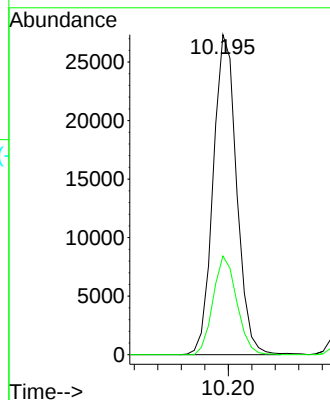
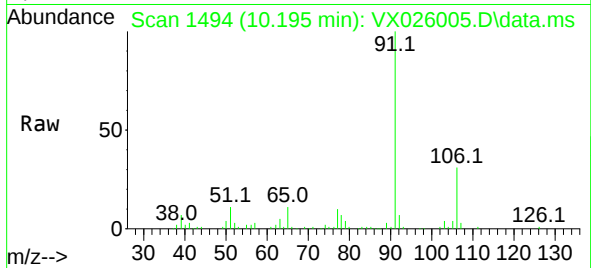




#52
Ethylbenzene
Concen: 5.290 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40

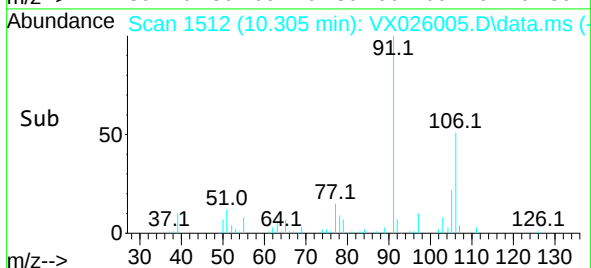
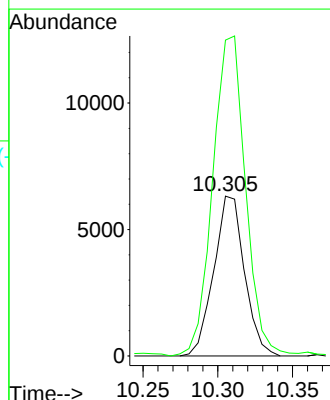
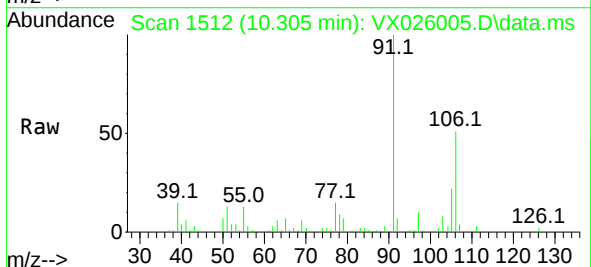
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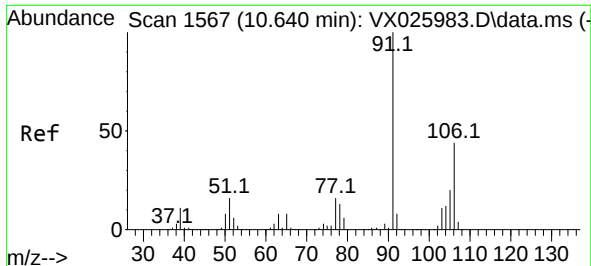
Tgt Ion: 91 Resp: 37922
Ion Ratio Lower Upper
91 100
106 30.9 23.1 42.9



#53
m,p-Xylene
Concen: 3.296 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40

Tgt Ion: 106 Resp: 9021
Ion Ratio Lower Upper
106 100
91 197.5 136.8 254.2

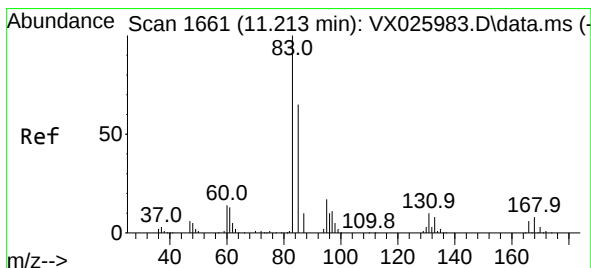
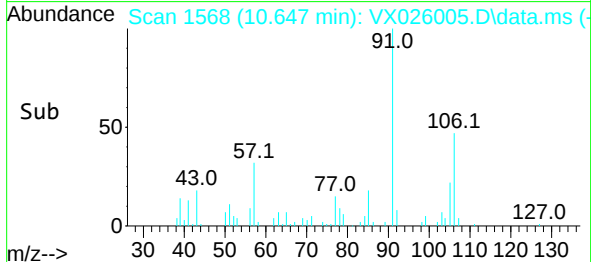
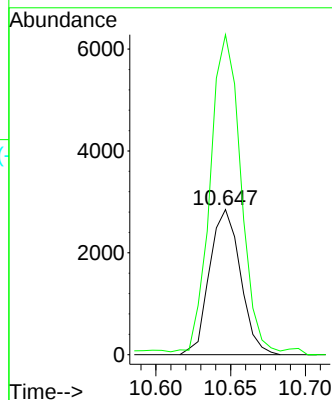
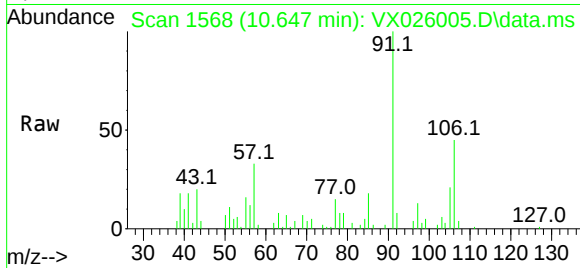




#54
o-Xylene
Concen: 1.516 ug/L
RT: 10.647 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40

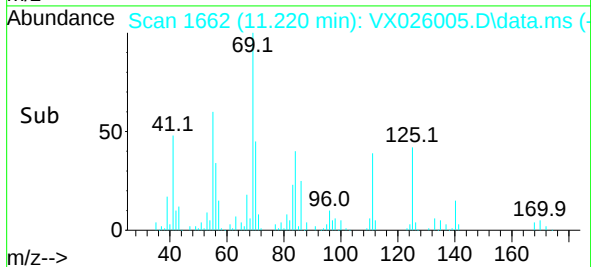
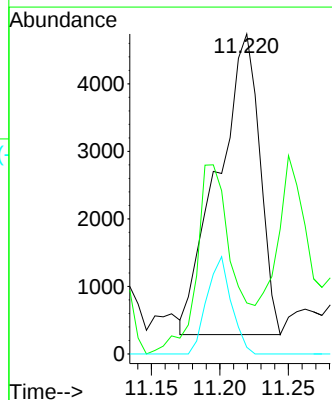
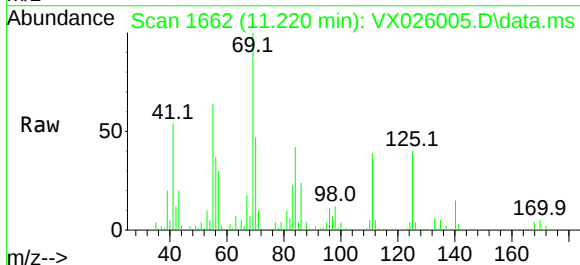
Instrument :
MSVOA_X
ClientSampleId :

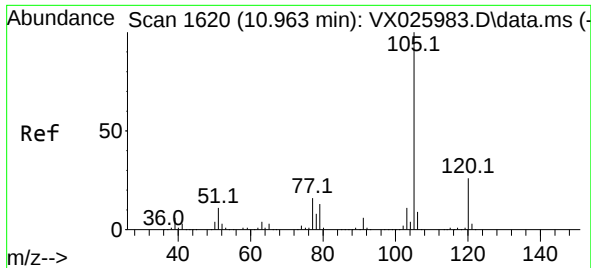
Tgt Ion:106 Resp: 4110
Ion Ratio Lower Upper
106 100
91 220.6 140.5 260.9



#57
1,1,2,2-Tetrachloroethane
Concen: 3.715 ug/L
RT: 11.220 min Scan# 1662
Delta R.T. 0.006 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40

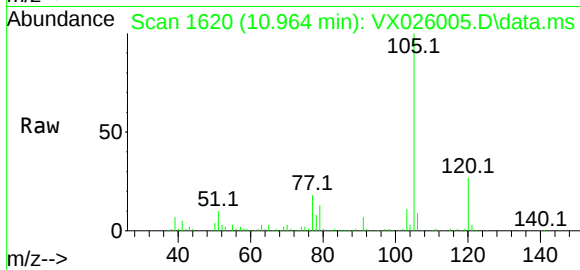
Tgt Ion: 83 Resp: 9499
Ion Ratio Lower Upper
83 100
85 15.9 47.0 87.2#
131 2.1 8.5 12.7#



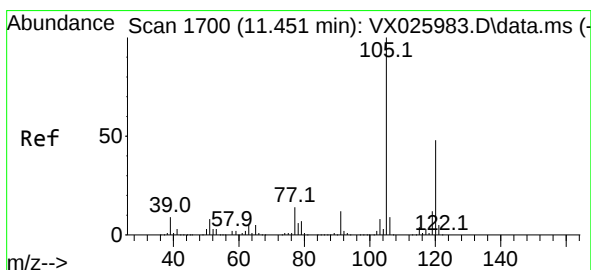
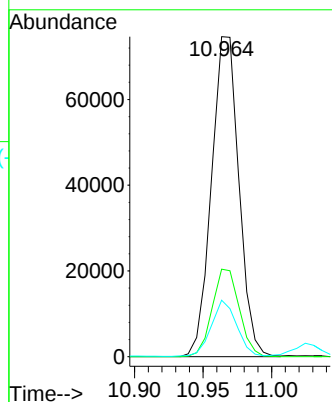
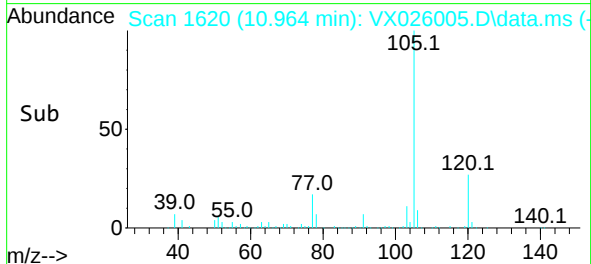


#60
Isopropylbenzene
Concen: 13.879 ug/L
RT: 10.964 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40

Instrument :
MSVOA_X
ClientSampleId :

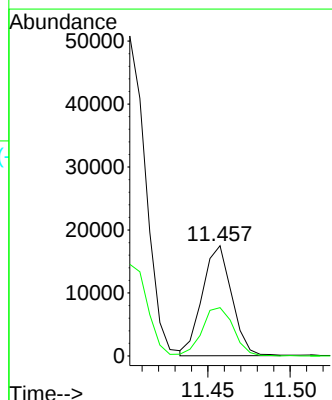
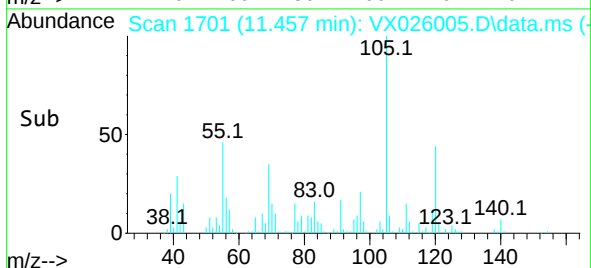
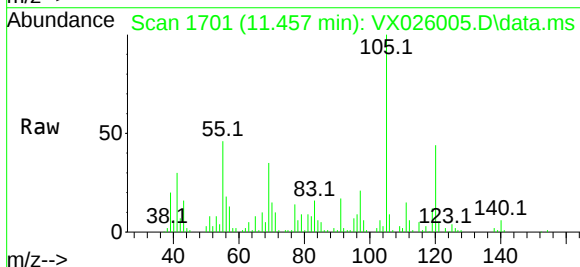


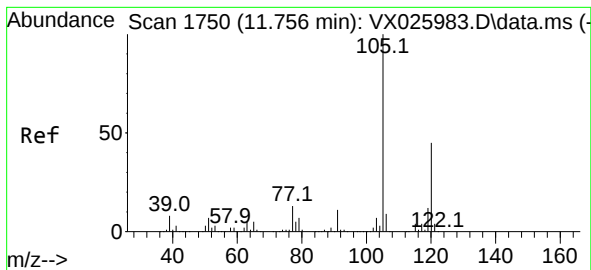
Tgt Ion:105 Resp: 104003
Ion Ratio Lower Upper
105 100
120 27.0 22.3 33.5
77 16.3 11.5 17.3



#62
1,3,5-Trimethylbenzene
Concen: 3.475 ug/L
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40

Tgt Ion:105 Resp: 21801
Ion Ratio Lower Upper
105 100
120 47.0 41.0 61.4





#63

1,2,4-Trimethylbenzene

Concen: 49.900 ug/L

RT: 11.756 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX026005.D

Acq: 24 Dec 2021 05:40

Instrument :

MSVOA_X

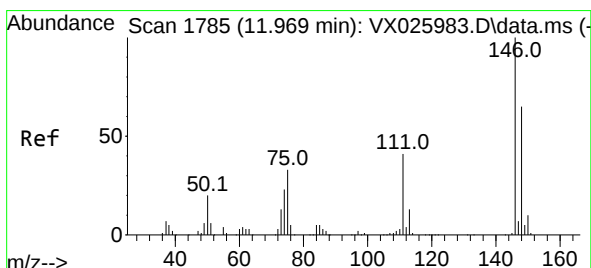
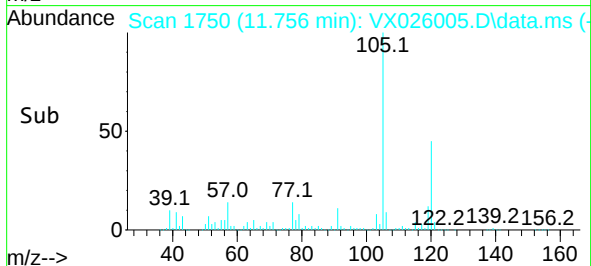
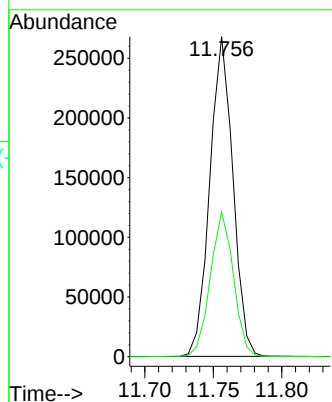
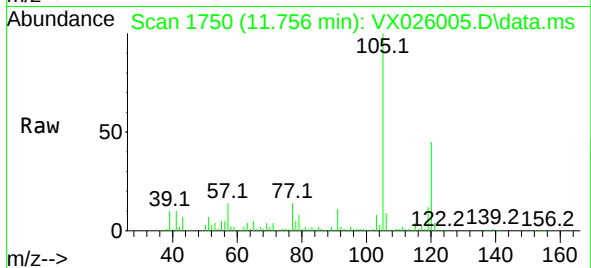
ClientSampleId :

Tgt Ion:105 Resp: 313649

Ion Ratio Lower Upper

105 100

120 45.3 0.1 0.1#



#64

1,3-Dichlorobenzene

Concen: 2.863 ug/L

RT: 11.976 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX026005.D

Acq: 24 Dec 2021 05:40

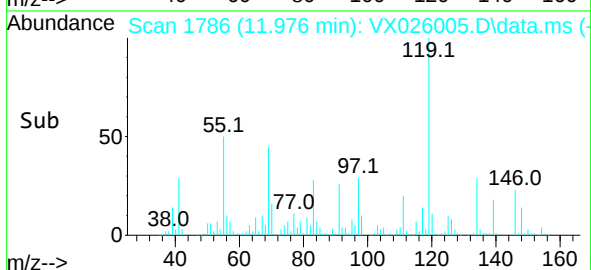
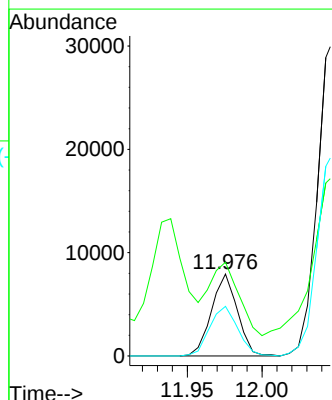
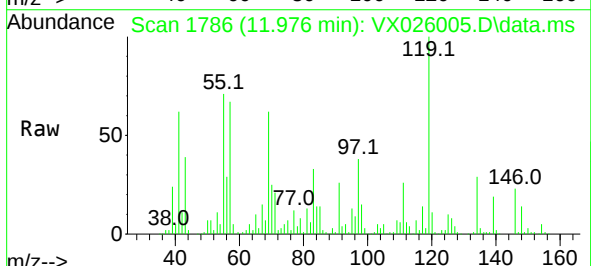
Tgt Ion:146 Resp: 9574

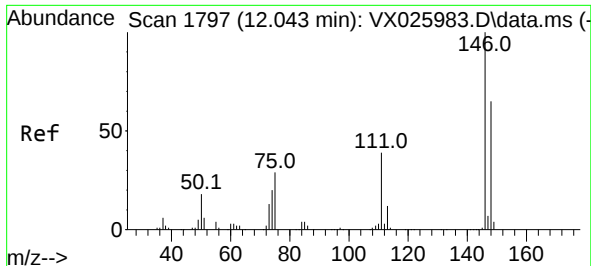
Ion Ratio Lower Upper

146 100

111 114.4 27.6 51.2#

148 60.5 45.2 84.0

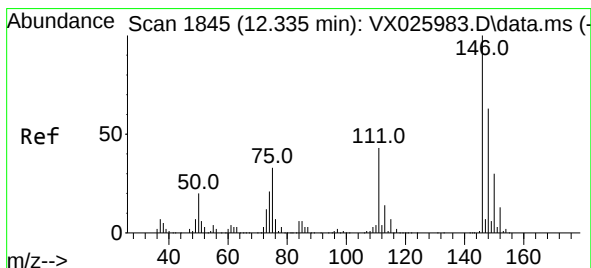
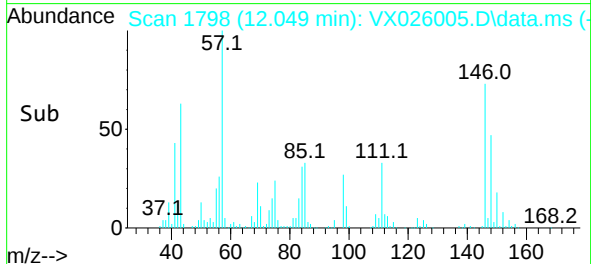
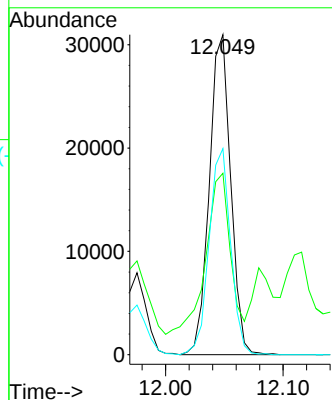
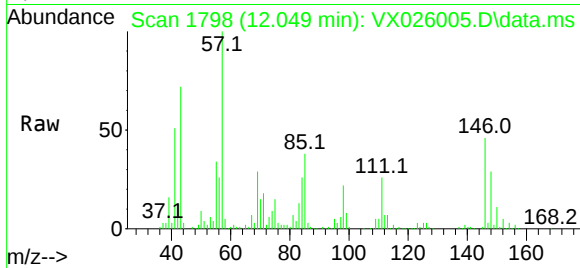




#65
1,4-Dichlorobenzene
Concen: 11.623 ug/L
RT: 12.049 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40

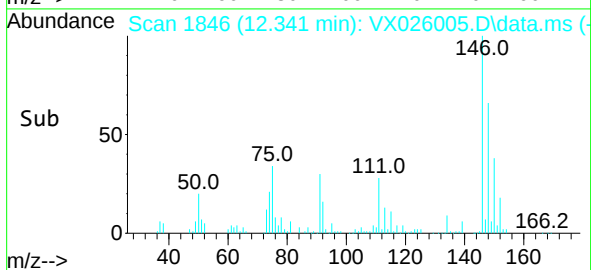
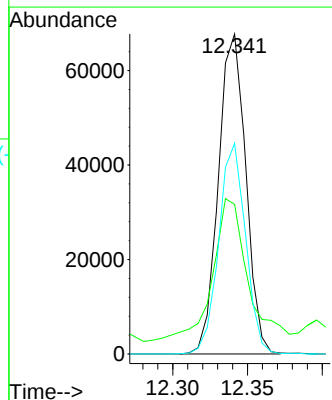
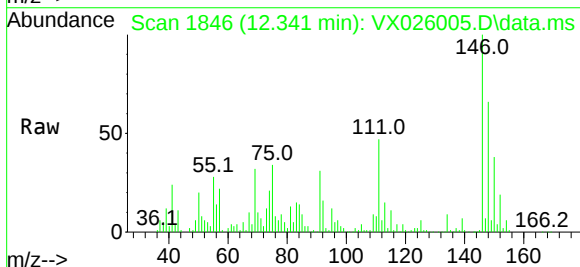
Instrument :
MSVOA_X
ClientSampleId :

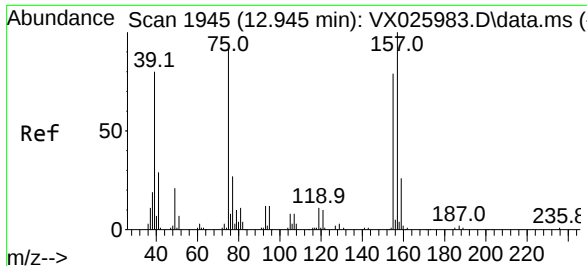
Tgt Ion:146 Resp: 39127
Ion Ratio Lower Upper
146 100
111 56.7 26.5 49.3#
148 64.4 45.5 84.5



#67
1,2-Dichlorobenzene
Concen: 26.155 ug/L
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40

Tgt Ion:146 Resp: 86467
Ion Ratio Lower Upper
146 100
111 46.7 32.3 48.5
148 65.8 50.3 75.5





#68

1,2-Dibromo-3-chloropropane

Concen: 10.788 ug/L

RT: 12.927 min Scan# 1942

Delta R.T. -0.018 min

Lab File: VX026005.D

Acq: 24 Dec 2021 05:40

Instrument :

MSVOA_X

ClientSampleId :

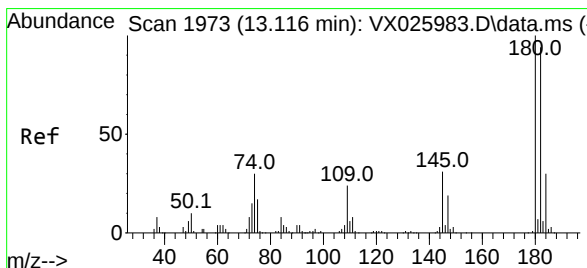
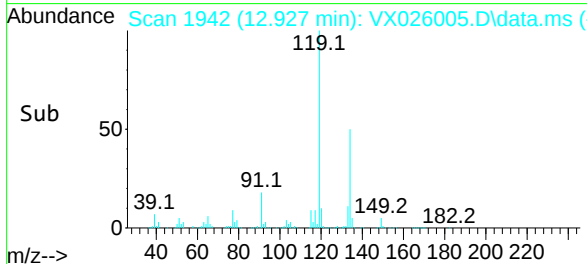
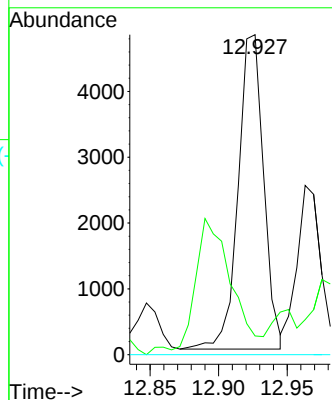
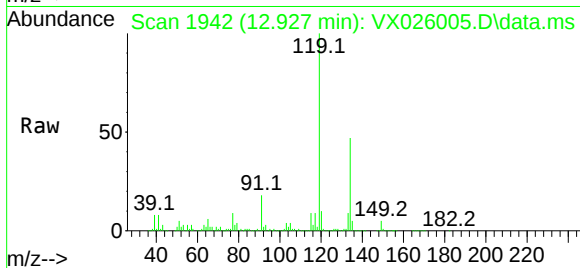
Tgt Ion: 75 Resp: 6194

Ion Ratio Lower Upper

75 100

155 5.9 79.4 119.2#

157 0.0 100.4 150.6#



#69

1,3,5-Trichlorobenzene

Concen: 3.331 ug/L

RT: 13.116 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VX026005.D

Acq: 24 Dec 2021 05:40

Tgt Ion:180 Resp: 7477

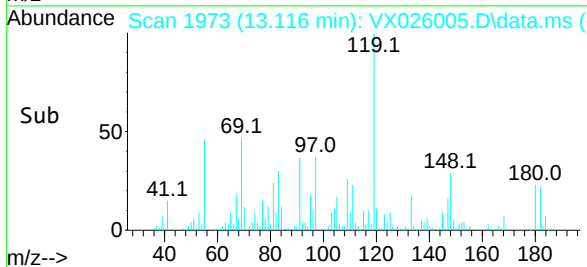
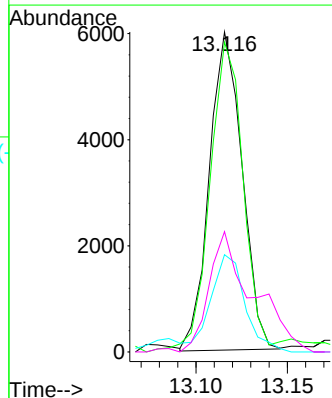
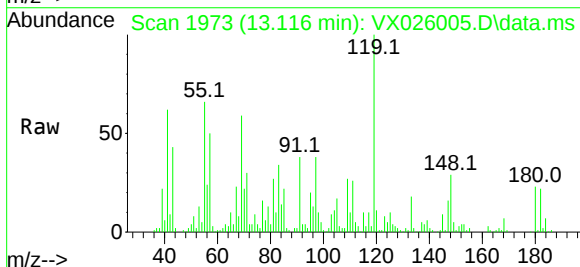
Ion Ratio Lower Upper

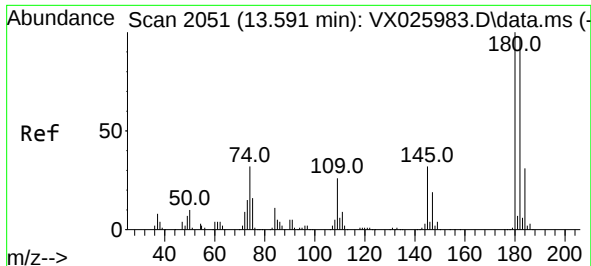
180 100

182 99.1 75.3 112.9

184 32.2 24.6 37.0

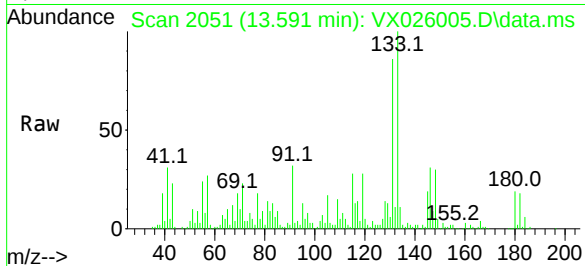
145 35.2 24.1 36.1



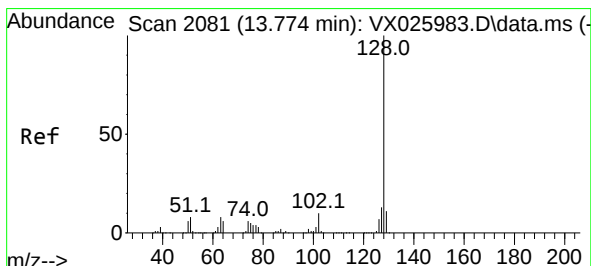
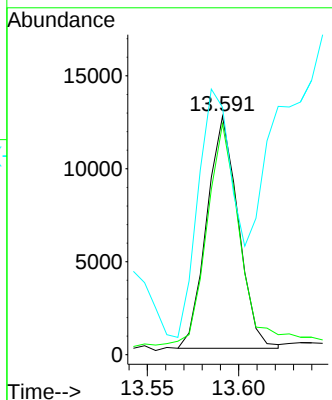
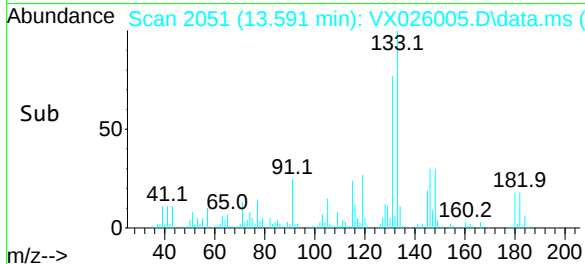


#70
1,2,4-trichlorobenzene
Concen: 7.511 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40

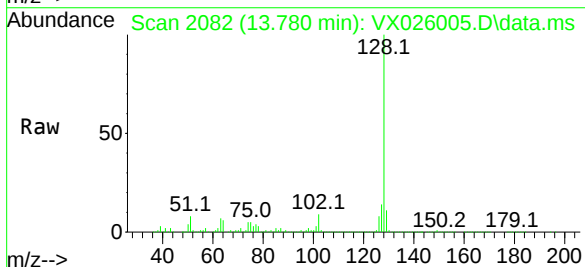
Instrument :
MSVOA_X
ClientSampleId :



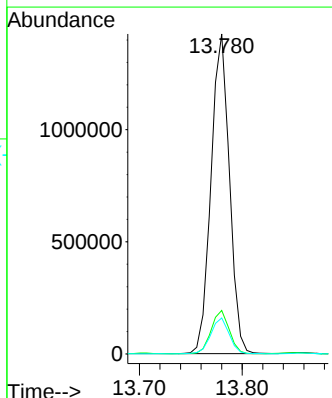
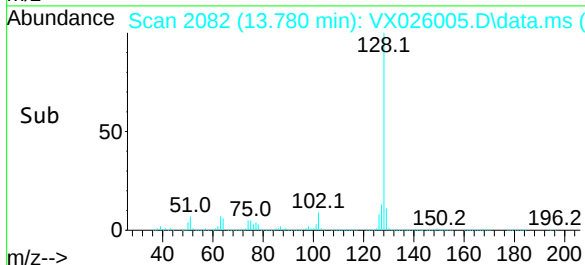
Tgt Ion:180 Resp: 15014
Ion Ratio Lower Upper
180 100
182 94.8 78.2 117.4
145 123.2 24.7 37.1#

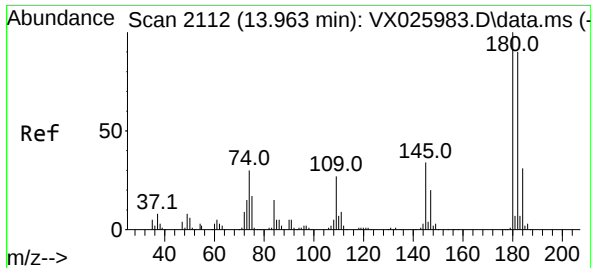


#71
Naphthalene
Concen: 234.895 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX026005.D
Acq: 24 Dec 2021 05:40



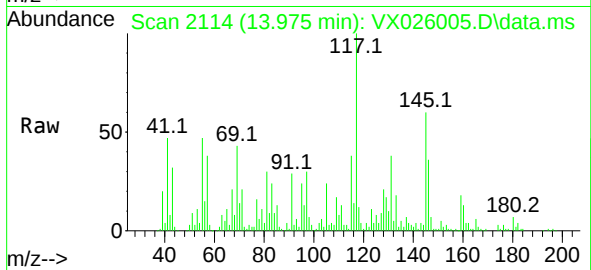
Tgt Ion:128 Resp: 1775017
Ion Ratio Lower Upper
128 100
127 13.3 10.1 15.1
129 11.3 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 1.929 ug/L
 RT: 13.975 min Scan# 2114
 Delta R.T. 0.012 min
 Lab File: VX026005.D
 Acq: 24 Dec 2021 05:40

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 3981
 Ion Ratio Lower Upper
 180 100
 182 38.7 75.2 112.8#
 145 701.8 25.8 38.6#

