

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012822\
 Data File : VX026664.D
 Acq On : 28 Jan 2022 20:13
 Operator : JC/MD
 Sample : N1319-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-1S

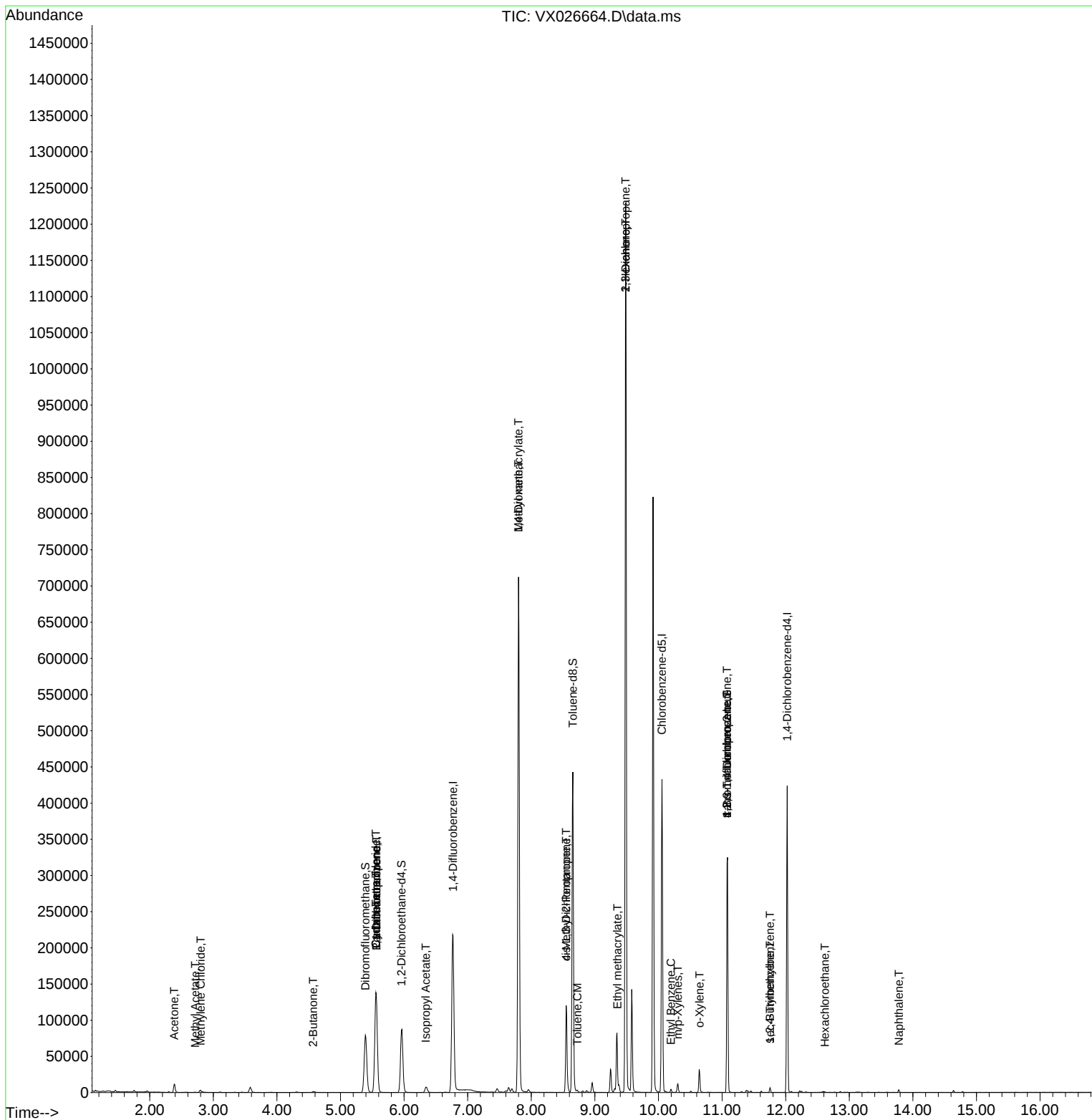
Quant Time: Jan 29 02:21:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	132639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	225728	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85723	46.265	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.540%
35) Dibromofluoromethane	5.391	113	70026	48.039	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.080%
50) Toluene-d8	8.653	98	257076	48.940	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.880%
62) 4-Bromofluorobenzene	11.079	95	92081	49.346	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.700%
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	13307	14.083	ug/l	96
18) Methyl Acetate	2.715	43	577	0.307	ug/l #	88
20) Methylene Chloride	2.800	84	1320	0.846	ug/l	93
25) 2-Butanone	4.568	43	2723	2.216	ug/l #	89
31) Cyclohexane	5.556	56	2637	0.965	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10230	4.446	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13562	5.730	ug/l #	16
43) Isopropyl Acetate	6.342	43	10752	2.859	ug/l	99
48) Methyl methacrylate	7.799	41	58910	31.613	ug/l #	45
49) 1,4-Dioxane	7.799	88	56	1.831	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	41216	18.480	ug/l #	51
52) Toluene	8.726	92	850	0.218	ug/l	88
54) cis-1,3-Dichloropropene	8.549	75	18662	7.684	ug/l #	59
56) Ethyl methacrylate	9.354	69	468	0.201	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	11228	4.255	ug/l #	43
59) 2-Hexanone	9.482	43	153635	90.002	ug/l #	52
67) Ethyl Benzene	10.195	91	2638	0.356	ug/l	97
68) m/p-Xylenes	10.305	106	2848	1.026	ug/l	96
69) o-Xylene	10.646	106	992	0.370	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	45334	24.360	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	45334	74.172	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	2946	0.516	ug/l	99
85) sec-Butylbenzene	11.756	105	2946	0.427	ug/l #	56
90) Hexachloroethane	12.616	117	39	2.216	ug/l #	14
95) Naphthalene	13.780	128	2603	0.433	ug/l	97

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

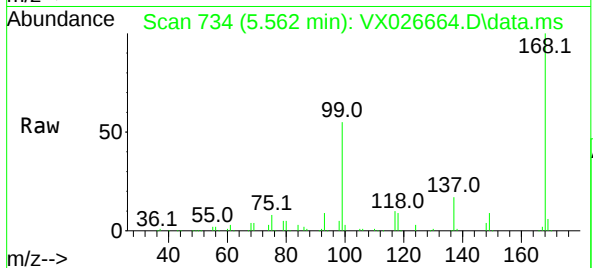
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 11 14:45:13 2022
Response via : Initial Calibration



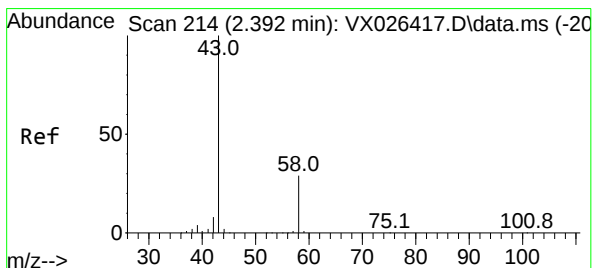
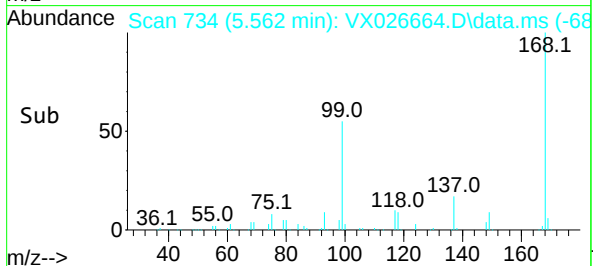
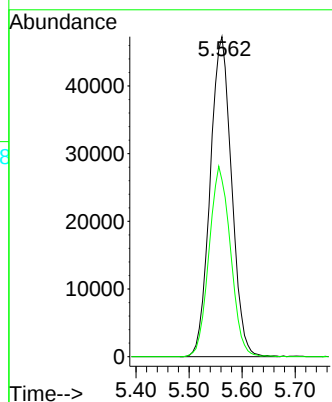


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

Instrument :
MSVOA_X
ClientSampleId :
MH-1S

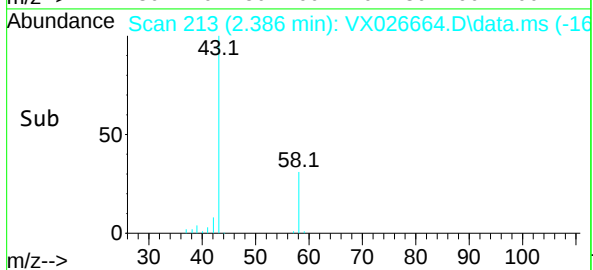
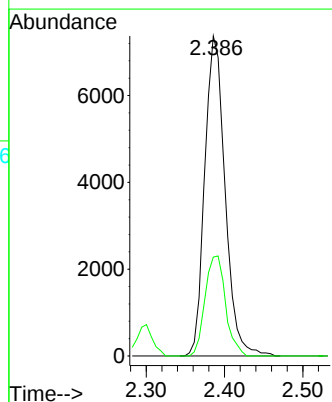
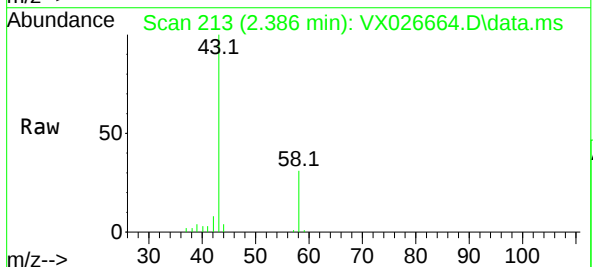


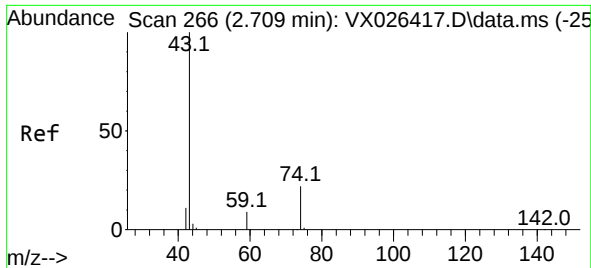
Tgt Ion:168 Resp: 132639
Ion Ratio Lower Upper
168 100
99 55.2 50.3 75.5



#16
Acetone
Concen: 14.083 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

Tgt Ion: 43 Resp: 13307
Ion Ratio Lower Upper
43 100
58 30.9 23.0 34.6

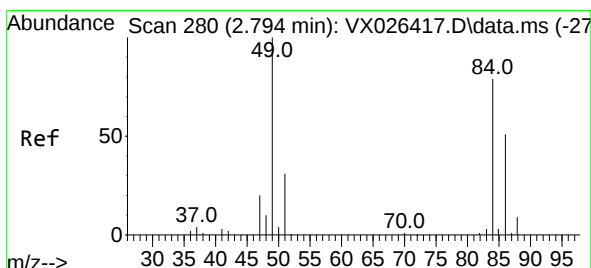
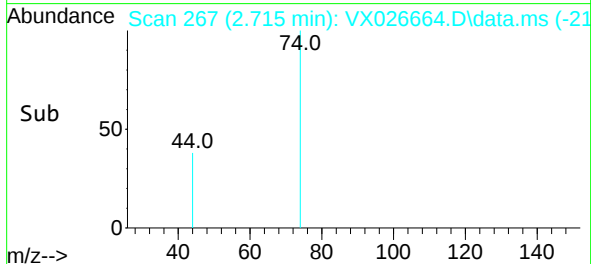
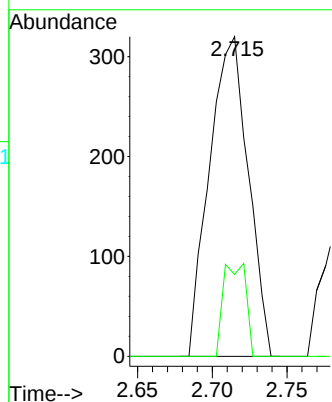
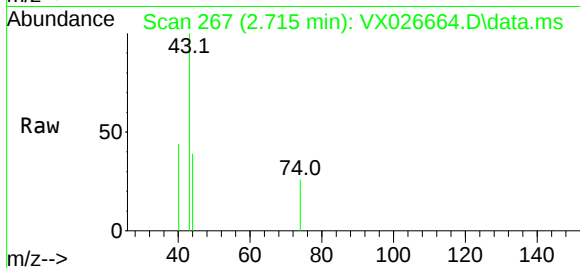




#18
Methyl Acetate
Concen: 0.307 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

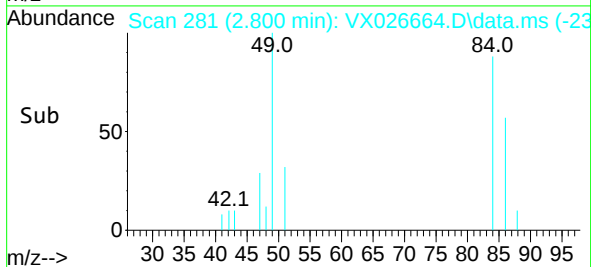
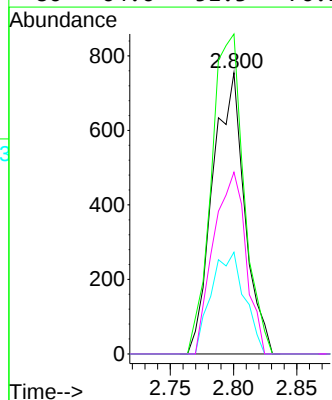
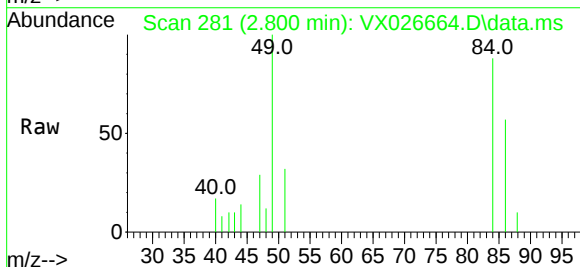
Instrument :
MSVOA_X
ClientSampleId :
MH-1S

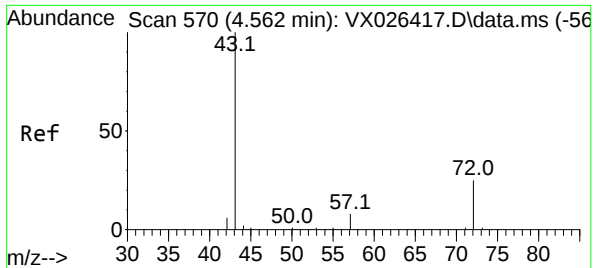
Tgt Ion: 43 Resp: 577
Ion Ratio Lower Upper
43 100
74 17.0 18.3 27.5#



#20
Methylene Chloride
Concen: 0.846 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

Tgt Ion: 84 Resp: 1320
Ion Ratio Lower Upper
84 100
49 113.8 101.5 152.3
51 36.2 31.2 46.8
86 64.6 51.3 76.9

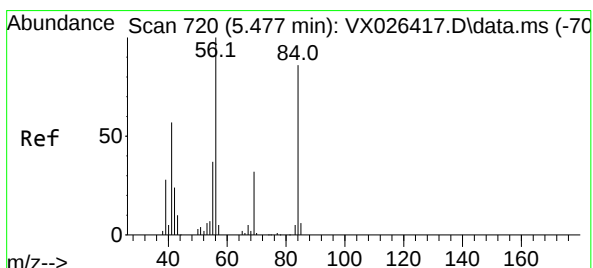
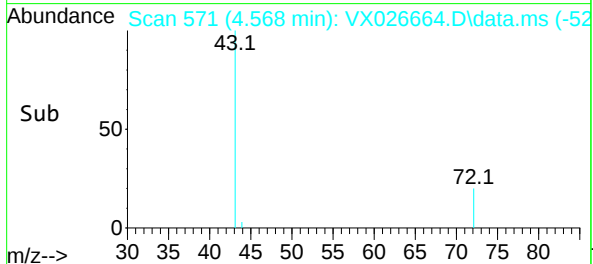
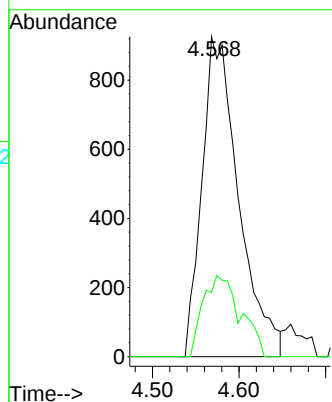
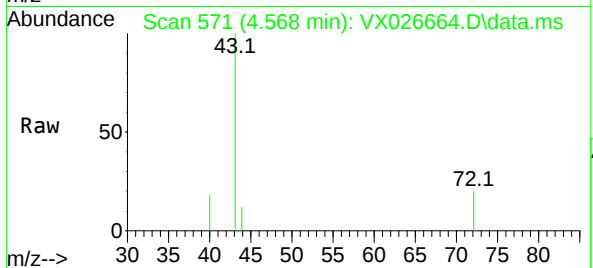




#25
2-Butanone
Concen: 2.216 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

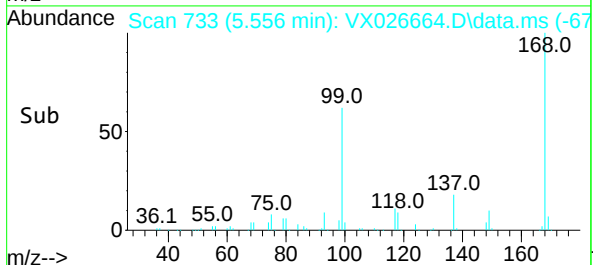
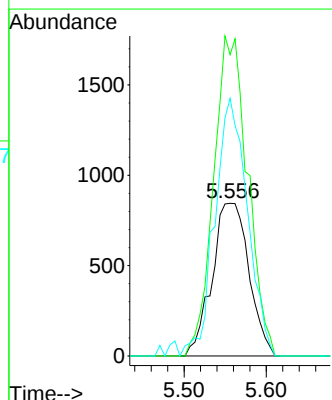
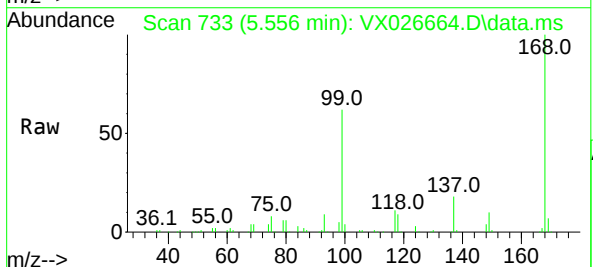
Instrument :
MSVOA_X
ClientSampleId :
MH-1S

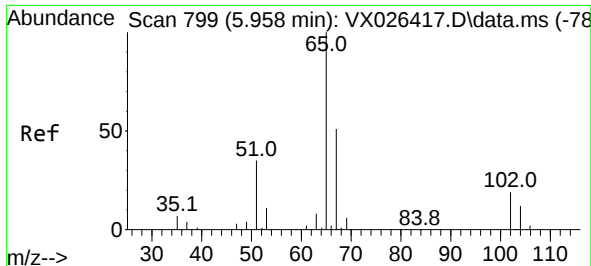
Tgt Ion: 43 Resp: 2723
Ion Ratio Lower Upper
43 100
72 20.1 20.4 30.6#



#31
Cyclohexane
Concen: 0.965 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

Tgt Ion: 56 Resp: 2637
Ion Ratio Lower Upper
56 100
69 197.3 25.8 38.6#
84 168.8 68.9 103.3#

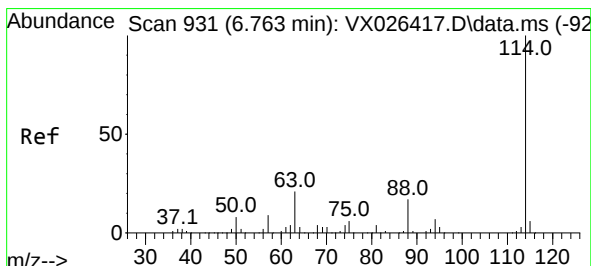
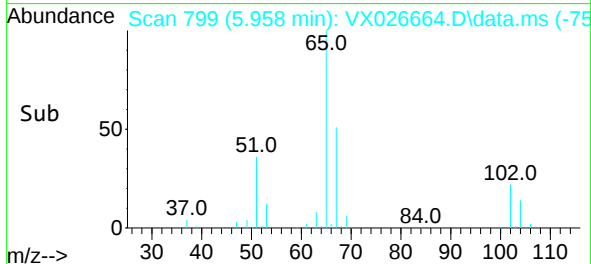
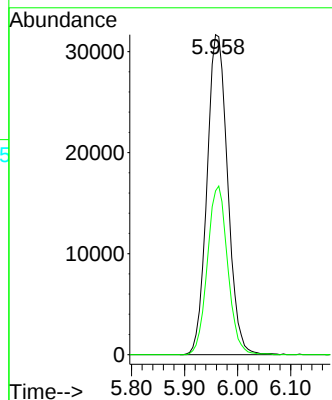
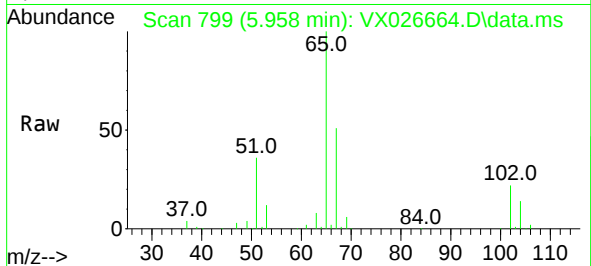




#33
 1,2-Dichloroethane-d4
 Concen: 46.265 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX026664.D
 Acq: 28 Jan 2022 20:13

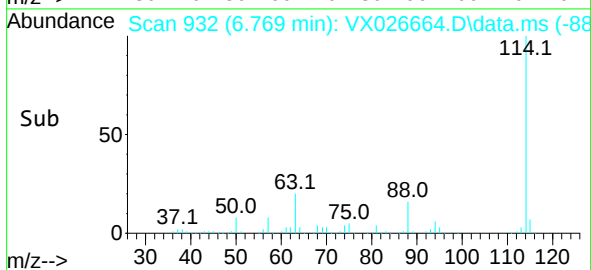
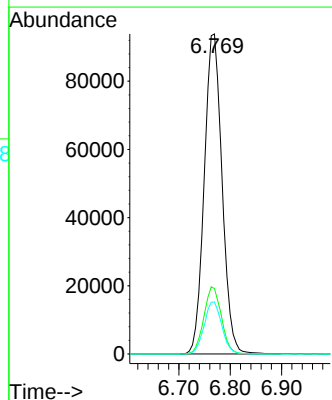
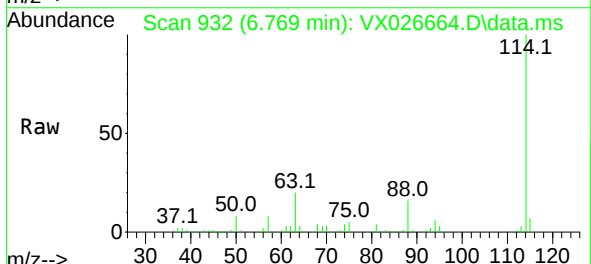
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-1S

Tgt Ion: 65 Resp: 85723
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.006 min
 Lab File: VX026664.D
 Acq: 28 Jan 2022 20:13

Tgt Ion: 114 Resp: 225728
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.8
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.039 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026664.D

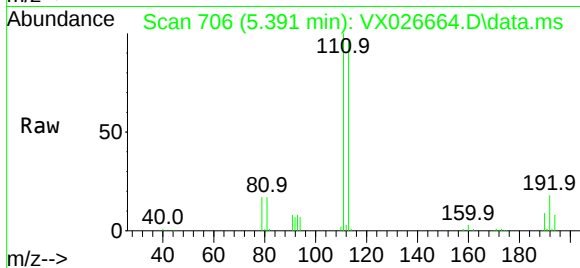
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Instrument :

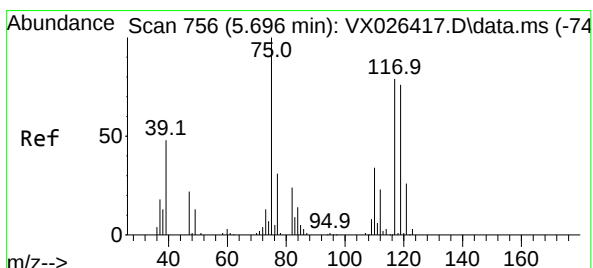
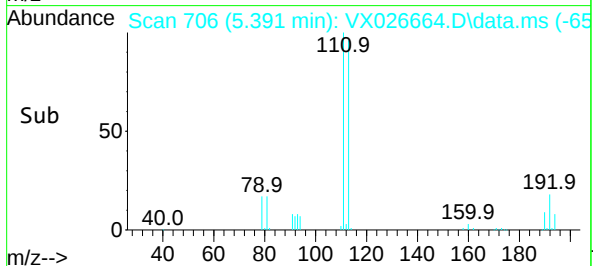
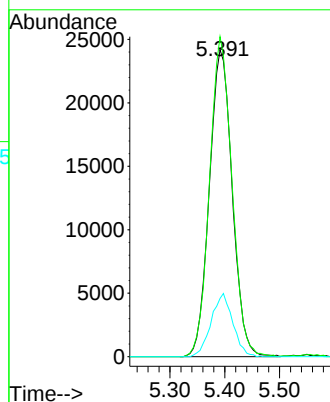
MSVOA_X

ClientSampleId :

MH-1S



Tgt Ion:	113	Resp:	70026
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.2	121.8
192	19.5	15.0	22.4



#36

1,1-Dichloropropene

Concen: 4.446 ug/l

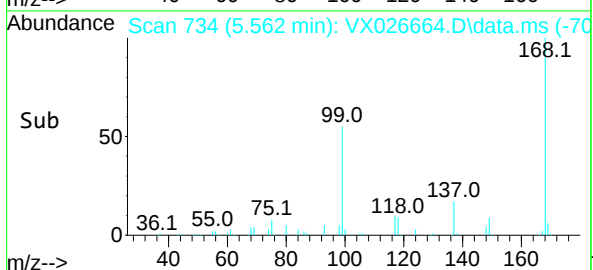
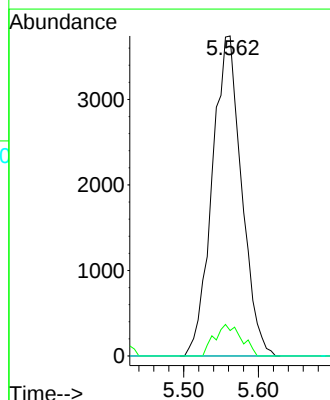
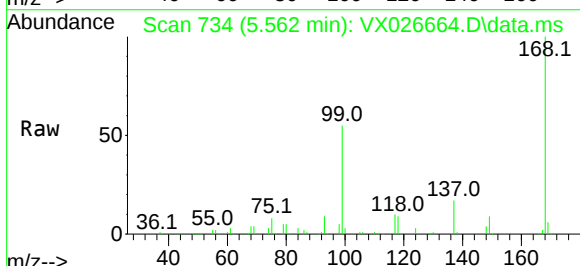
RT: 5.562 min Scan# 734

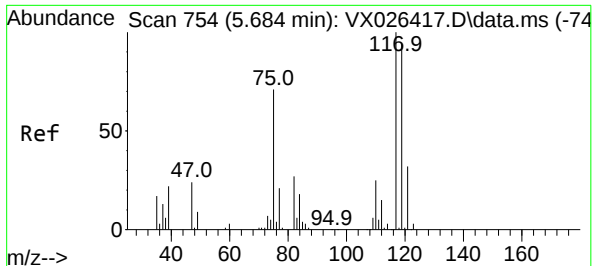
Delta R.T. -0.134 min

Lab File: VX026664.D

Acq: 28 Jan 2022 20:13

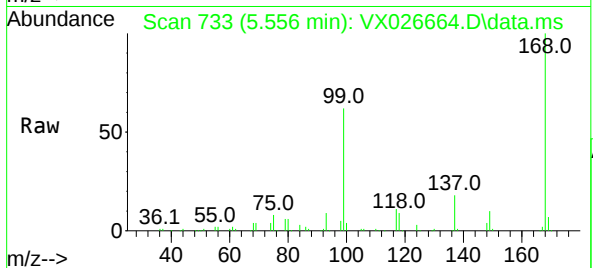
Tgt Ion:	75	Resp:	10230
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.2	51.6#
77	0.0	24.6	36.8#



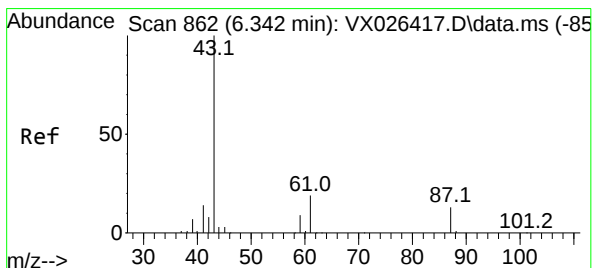
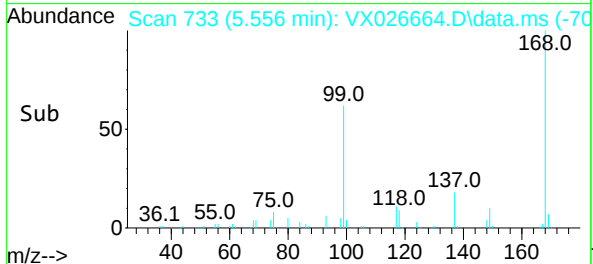
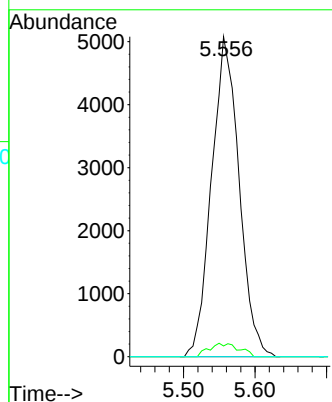


#38
Carbon Tetrachloride
Concen: 5.730 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

Instrument :
MSVOA_X
ClientSampleId :
MH-1S

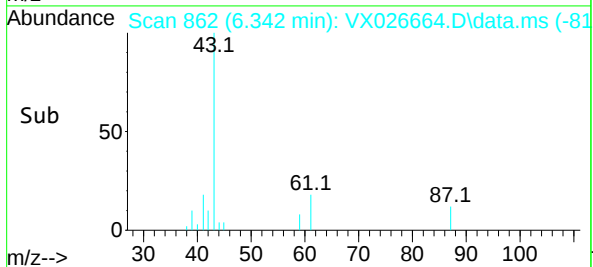
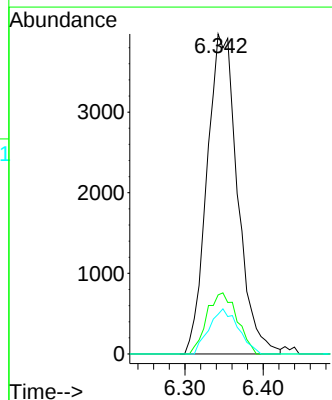
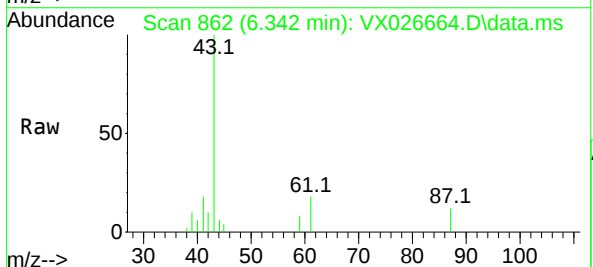


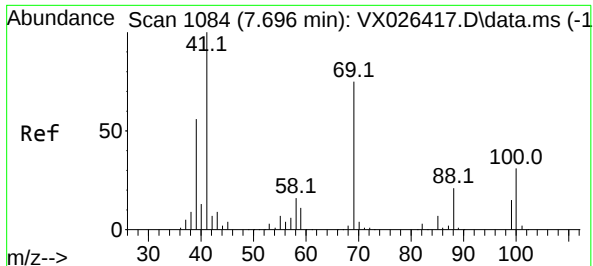
Tgt Ion:117 Resp: 13562
Ion Ratio Lower Upper
117 100
119 3.4 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 2.859 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

Tgt Ion: 43 Resp: 10752
Ion Ratio Lower Upper
43 100
61 19.0 15.4 23.0
87 13.5 10.2 15.2





#48

Methyl methacrylate

Concen: 31.613 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX026664.D

Acq: 28 Jan 2022 20:13

Instrument :

MSVOA_X

ClientSampleId :

MH-1S

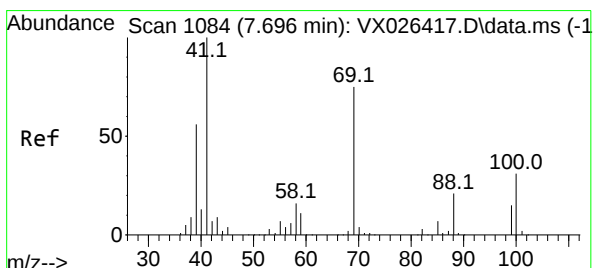
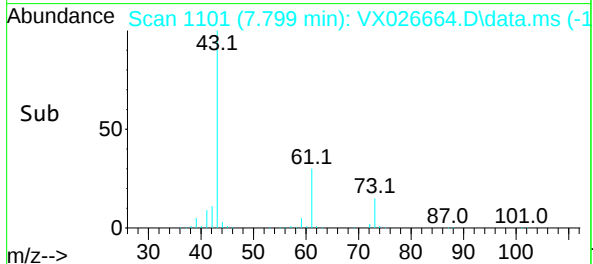
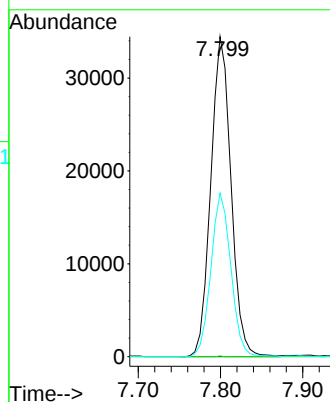
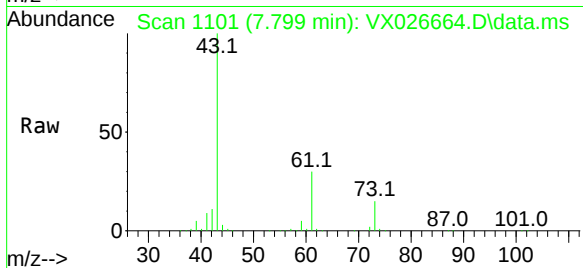
Tgt Ion: 41 Resp: 58910

Ion Ratio Lower Upper

41 100

69 0.1 62.2 93.4#

39 50.3 45.4 68.0



#49

1,4-Dioxane

Concen: 1.831 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX026664.D

Acq: 28 Jan 2022 20:13

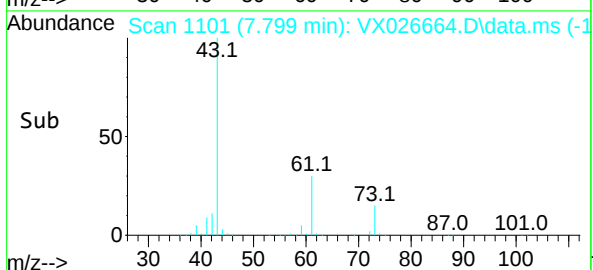
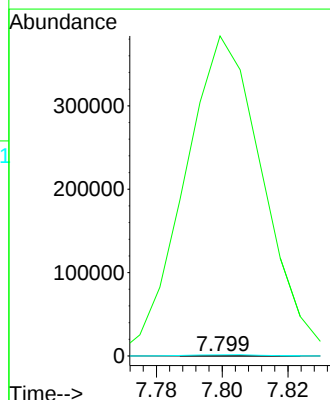
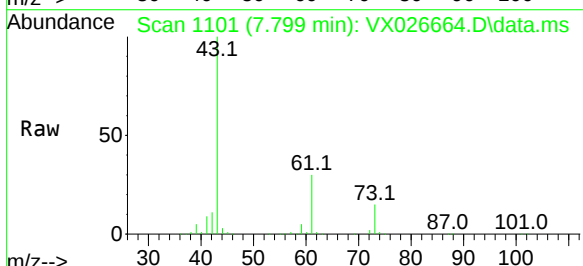
Tgt Ion: 88 Resp: 56

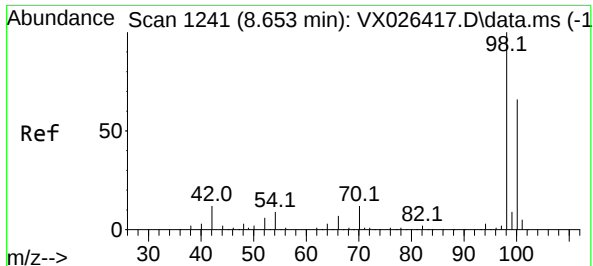
Ion Ratio Lower Upper

88 100

43 1153342.9 29.9 44.9#

58 4283.9 57.8 86.6#

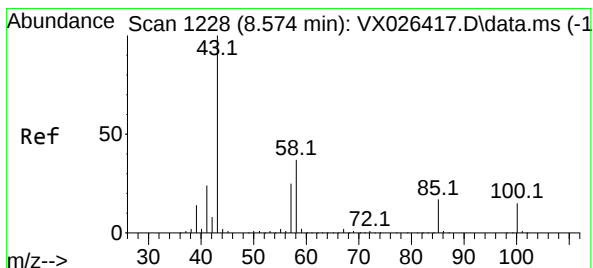
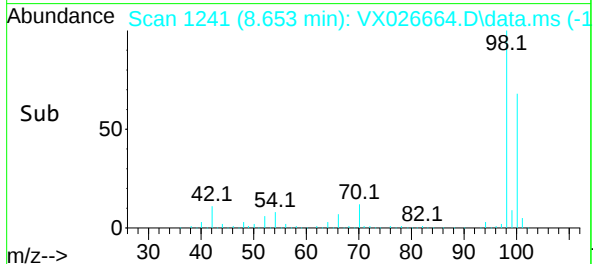
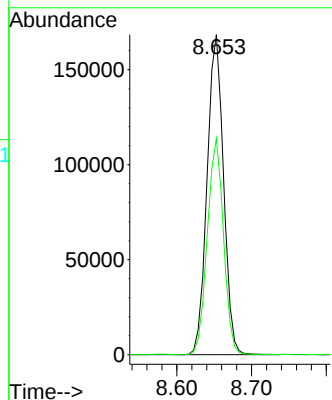
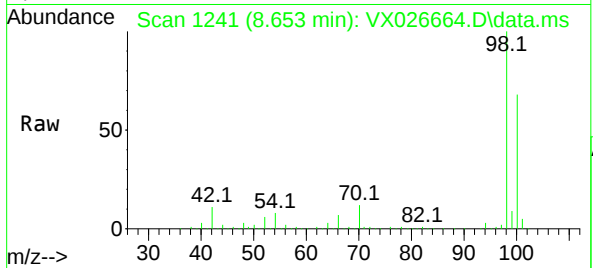




#50
Toluene-d8
Concen: 48.940 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

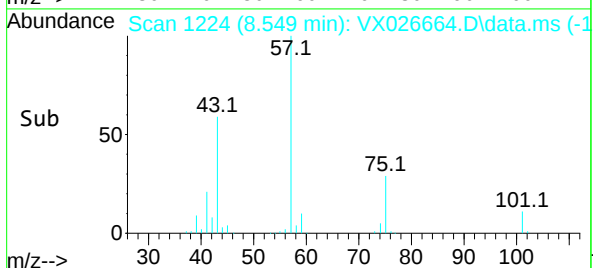
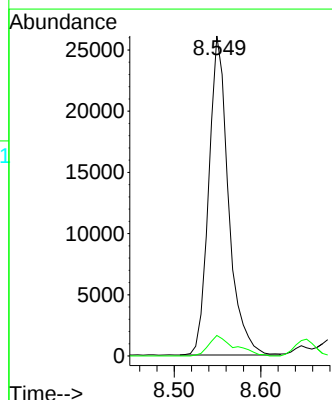
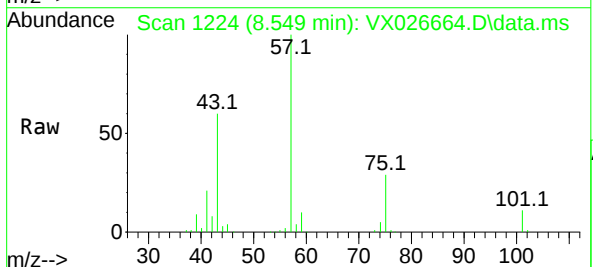
Instrument :
MSVOA_X
ClientSampleId :
MH-1S

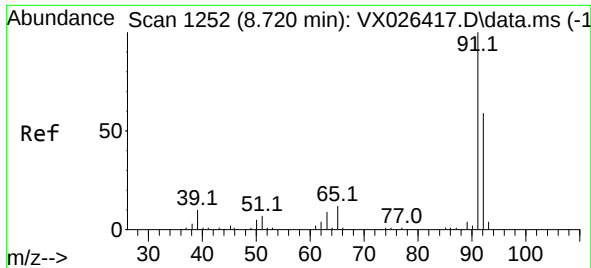
Tgt Ion: 98 Resp: 257076
Ion Ratio Lower Upper
98 100
100 66.7 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 18.480 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

Tgt Ion: 43 Resp: 41216
Ion Ratio Lower Upper
43 100
58 8.4 30.5 45.7#





#52

Toluene

Concen: 0.218 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX026664.D

Acq: 28 Jan 2022 20:13

Instrument :

MSVOA_X

ClientSampleId :

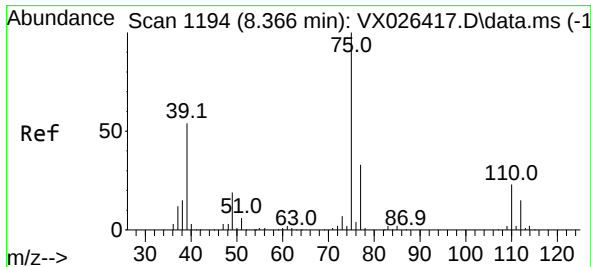
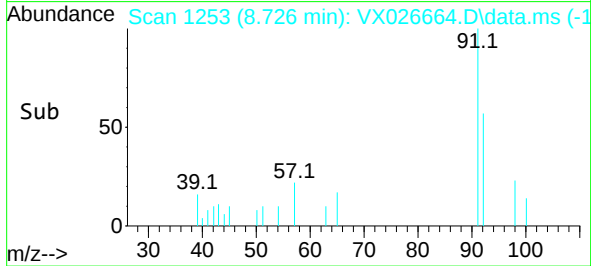
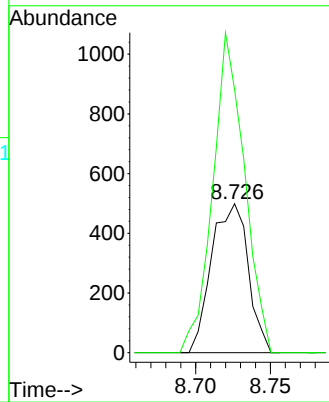
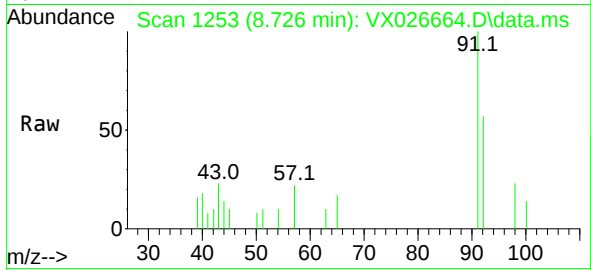
MH-1S

Tgt Ion: 92 Resp: 850

Ion Ratio Lower Upper

92 100

91 185.8 135.7 203.5



#54

cis-1,3-Dichloropropene

Concen: 7.684 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX026664.D

Acq: 28 Jan 2022 20:13

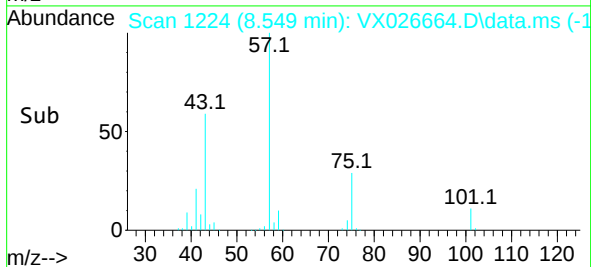
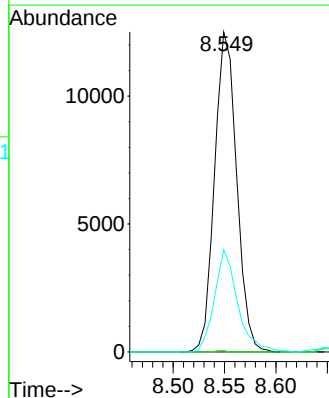
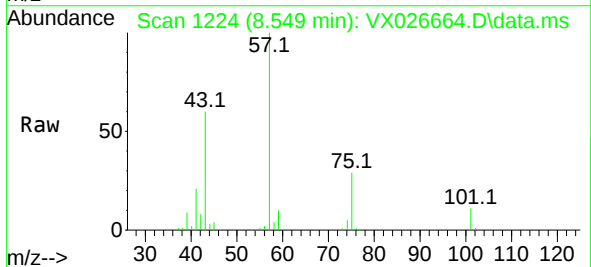
Tgt Ion: 75 Resp: 18662

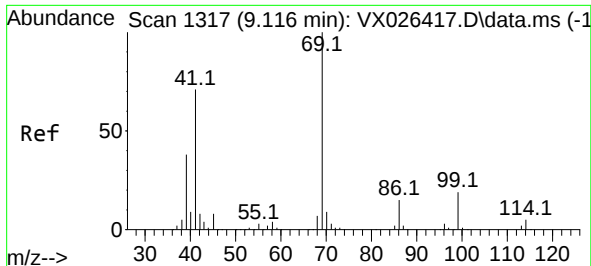
Ion Ratio Lower Upper

75 100

77 0.4 26.2 39.2#

39 32.0 43.5 65.3#

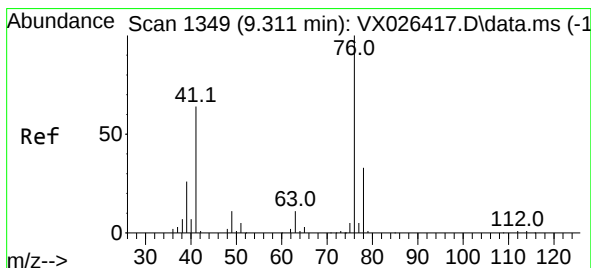
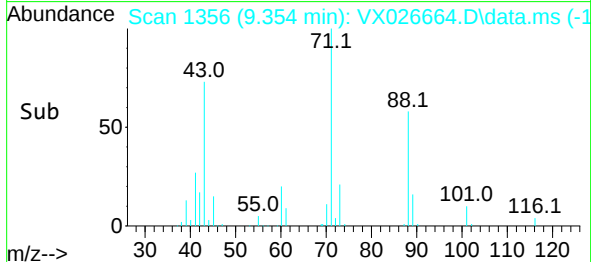
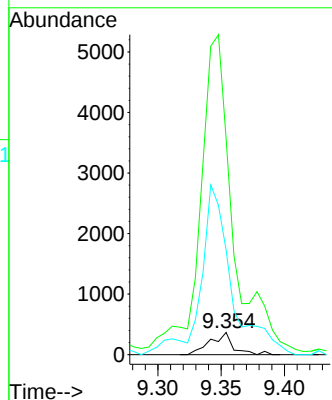
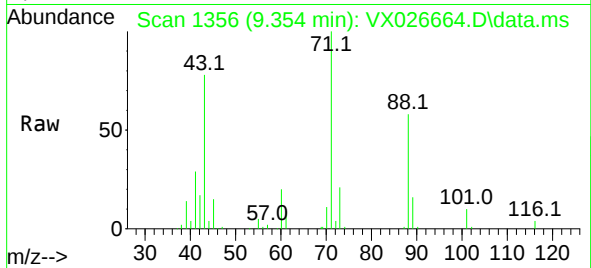




#56
Ethyl methacrylate
Concen: 0.201 ug/l
RT: 9.354 min Scan# 11
Delta R.T. 0.238 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

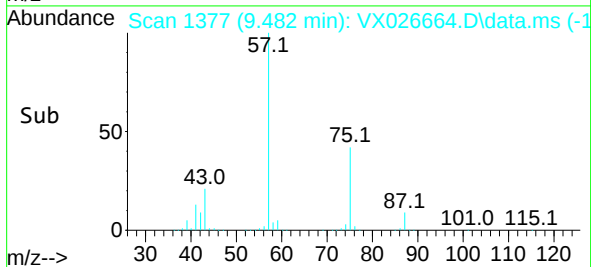
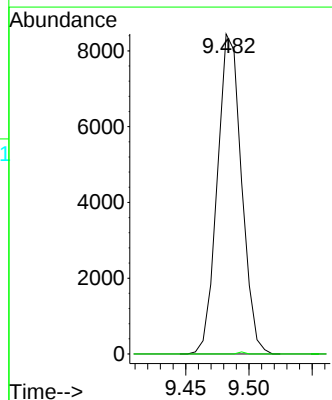
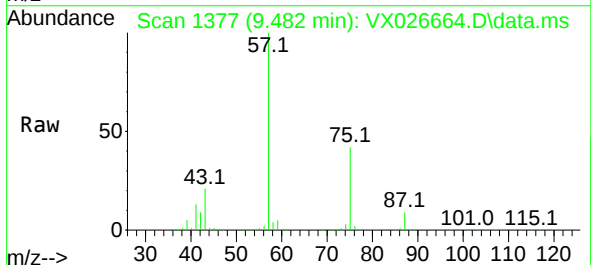
Instrument :
MSVOA_X
ClientSampleId :
MH-1S

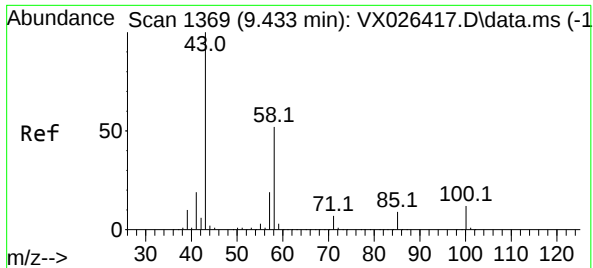
Tgt Ion: 69 Resp: 468
Ion Ratio Lower Upper
69 100
41 1946.2 57.2 85.8#
39 1020.9 30.9 46.3#



#57
1,3-Dichloropropane
Concen: 4.255 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

Tgt Ion: 76 Resp: 11228
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

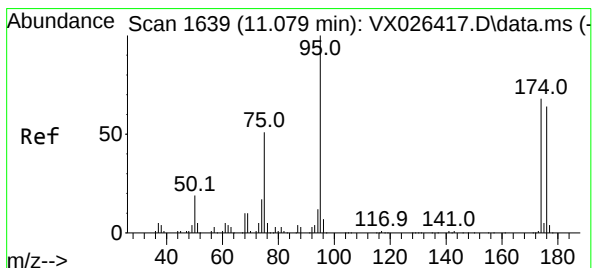
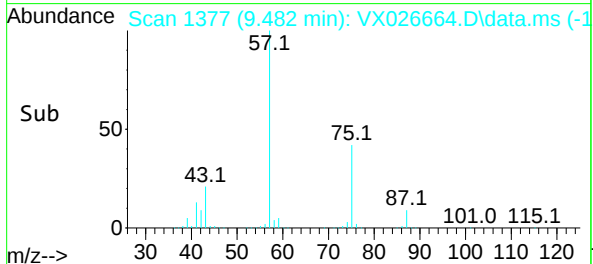
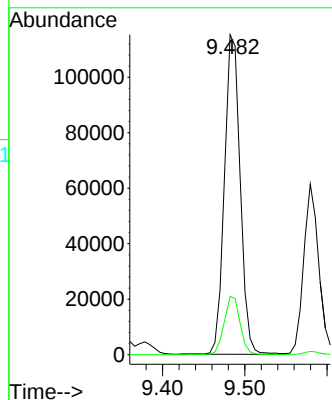
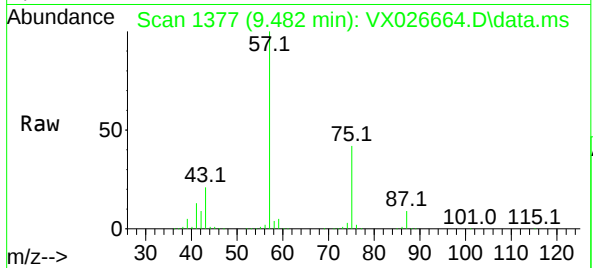




#59
2-Hexanone
Concen: 90.002 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

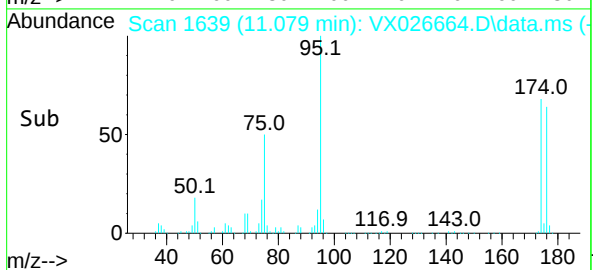
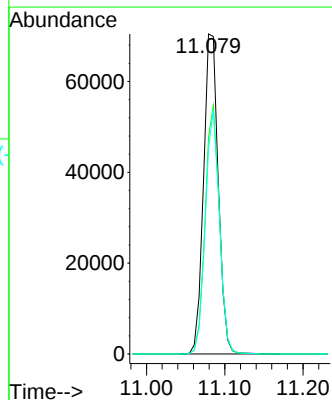
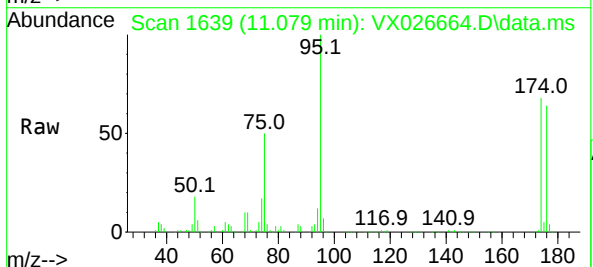
Instrument :
MSVOA_X
ClientSampleId :
MH-1S

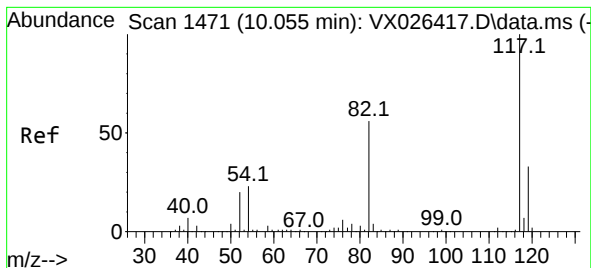
Tgt Ion: 43 Resp: 153635
Ion Ratio Lower Upper
43 100
58 18.5 26.4 79.2#



#62
4-Bromofluorobenzene
Concen: 49.346 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

Tgt Ion: 95 Resp: 92081
Ion Ratio Lower Upper
95 100
174 75.0 0.0 148.6
176 72.8 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX026664.D

Acq: 28 Jan 2022 20:13

Instrument :

MSVOA_X

ClientSampleId :

MH-1S

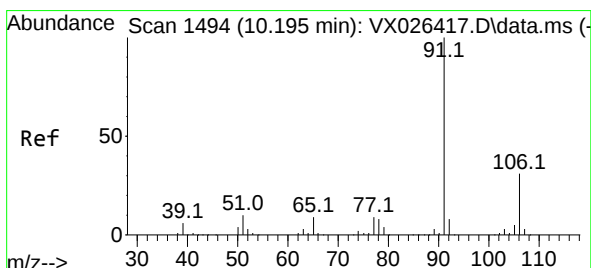
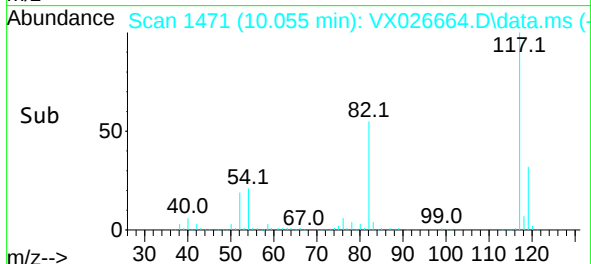
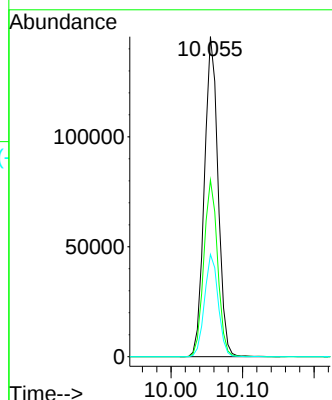
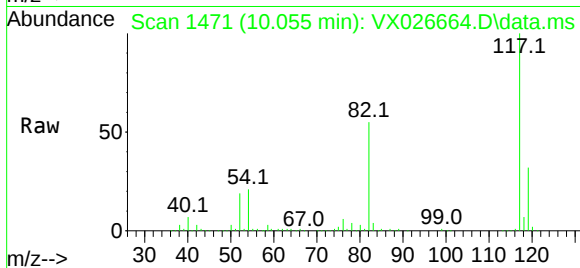
Tgt Ion:117 Resp: 193766

Ion Ratio Lower Upper

117 100

82 55.2 45.2 67.8

119 31.9 26.2 39.2



#67

Ethyl Benzene

Concen: 0.356 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX026664.D

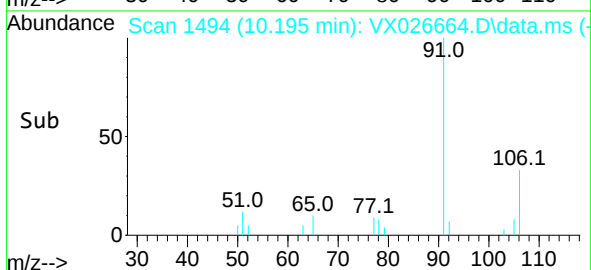
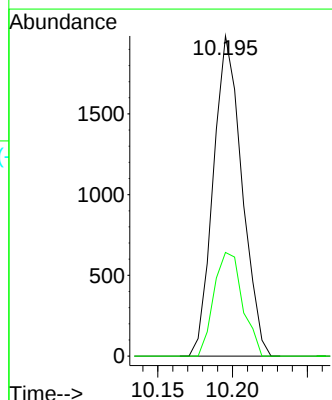
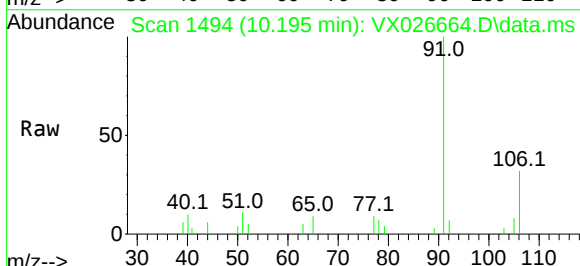
Acq: 28 Jan 2022 20:13

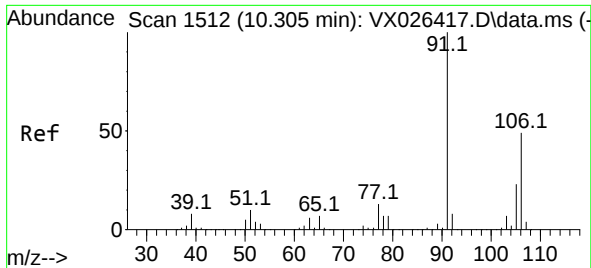
Tgt Ion: 91 Resp: 2638

Ion Ratio Lower Upper

91 100

106 32.4 24.7 37.1

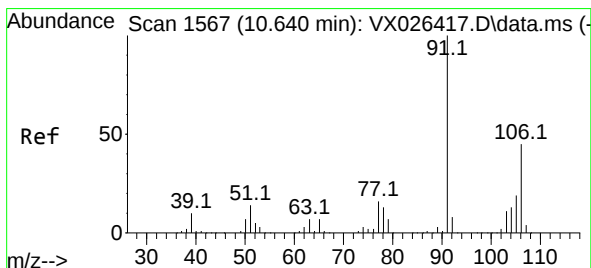
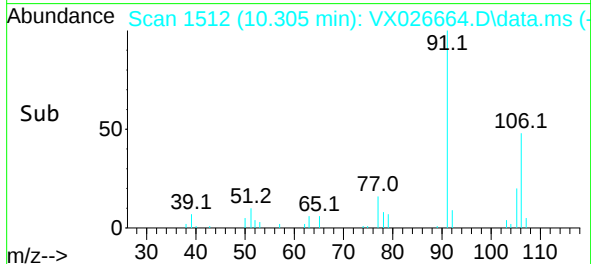
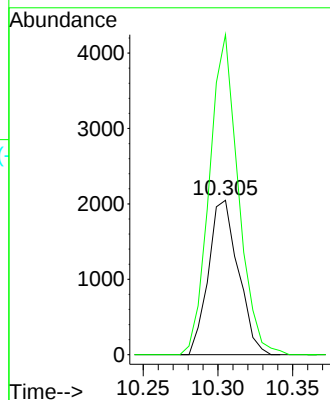
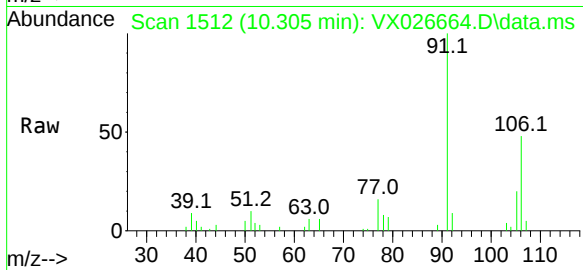




#68
m/p-Xylenes
Concen: 1.026 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

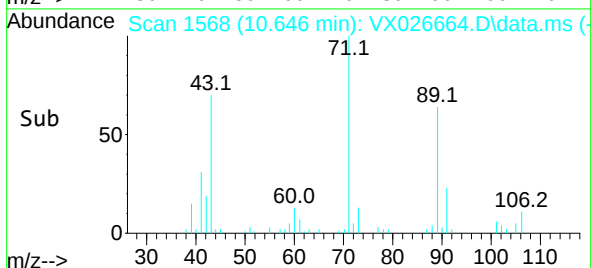
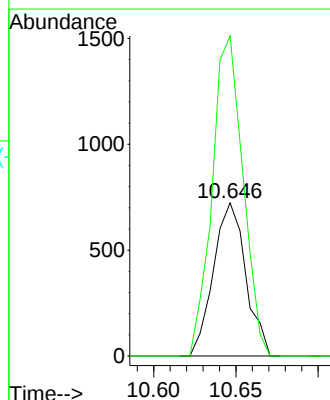
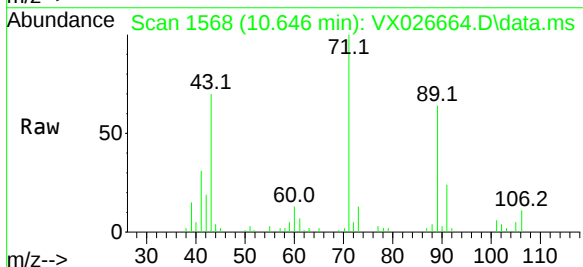
Instrument :
MSVOA_X
ClientSampleId :
MH-1S

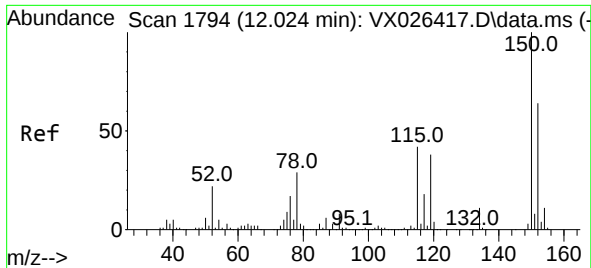
Tgt Ion:106 Resp: 2848
Ion Ratio Lower Upper
106 100
91 200.5 165.3 247.9



#69
o-Xylene
Concen: 0.370 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

Tgt Ion:106 Resp: 992
Ion Ratio Lower Upper
106 100
91 198.6 109.7 329.0

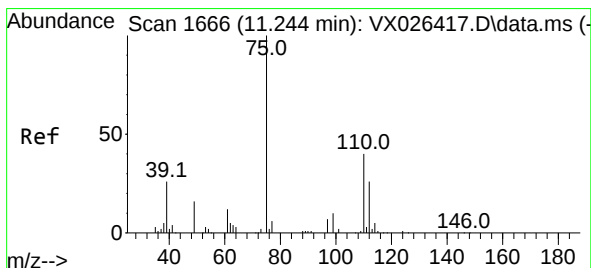
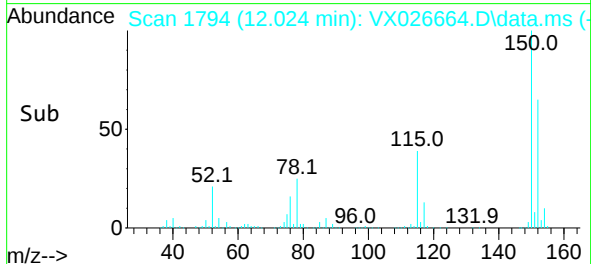
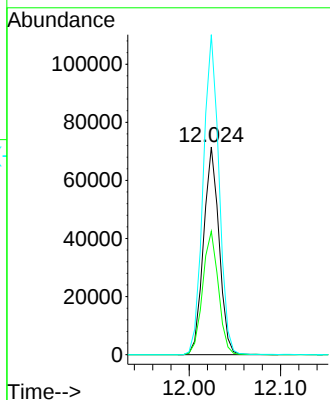
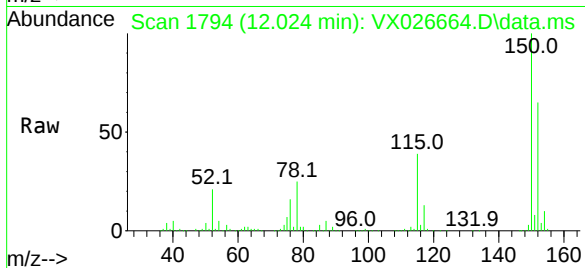




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX026664.D
 Acq: 28 Jan 2022 20:13

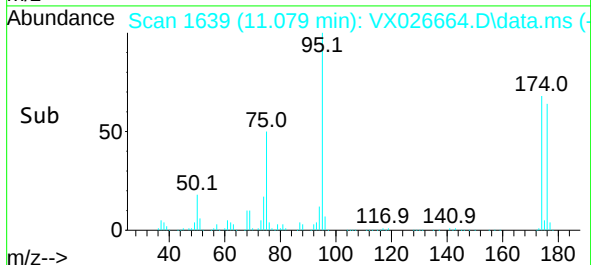
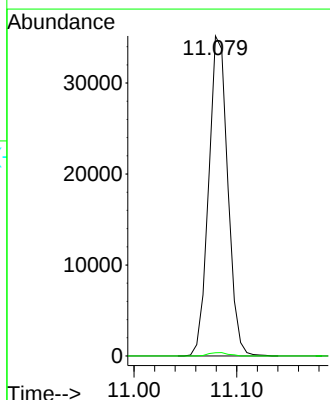
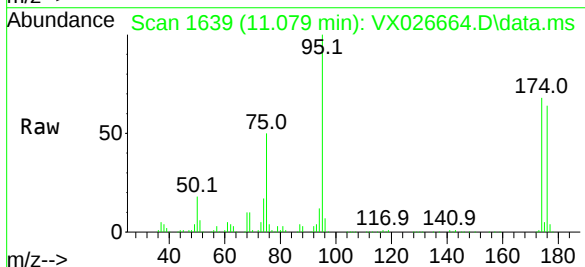
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-1S

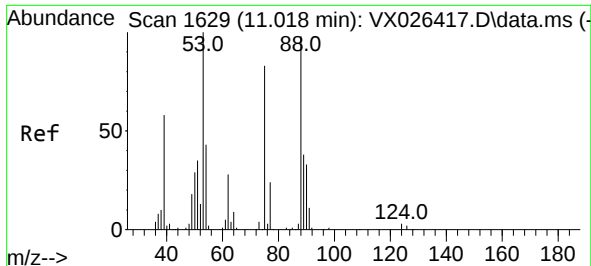
Tgt Ion:152 Resp: 84523
 Ion Ratio Lower Upper
 152 100
 115 60.1 44.2 132.6
 150 156.7 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 24.360 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX026664.D
 Acq: 28 Jan 2022 20:13

Tgt Ion: 75 Resp: 45334
 Ion Ratio Lower Upper
 75 100
 77 1.1 18.3 54.8#

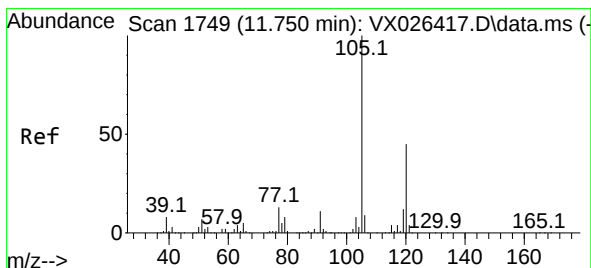
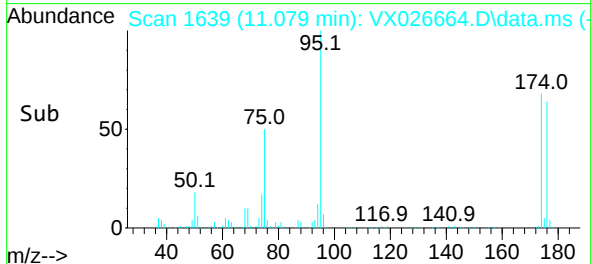
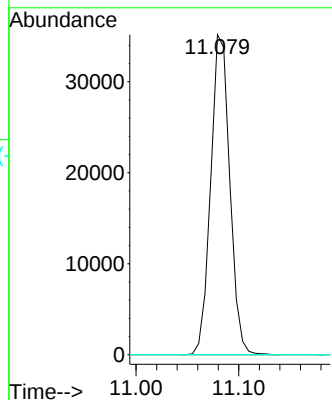
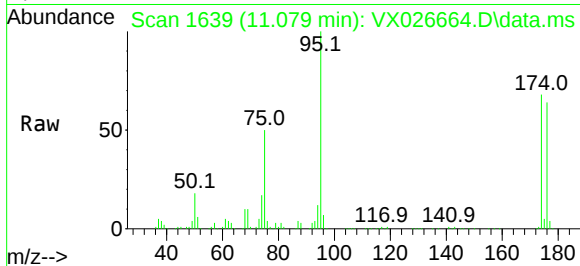




#81
trans-1,4-Dichloro-2-butene
Concen: 74.172 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

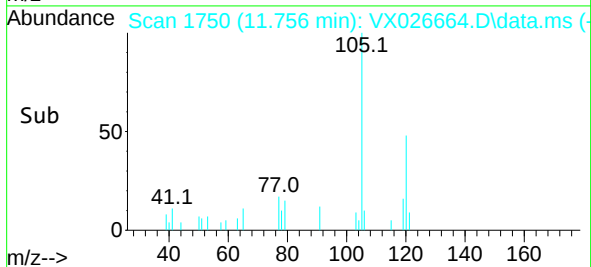
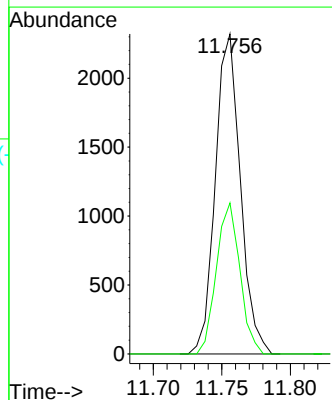
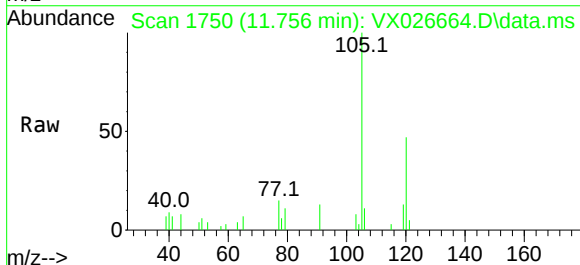
Instrument :
MSVOA_X
ClientSampleId :
MH-1S

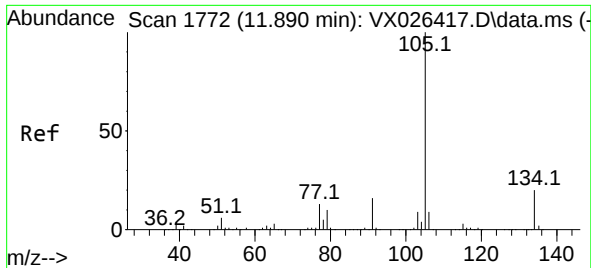
Tgt Ion: 75 Resp: 45334
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.516 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

Tgt Ion: 105 Resp: 2946
Ion Ratio Lower Upper
105 100
120 44.2 21.9 65.5

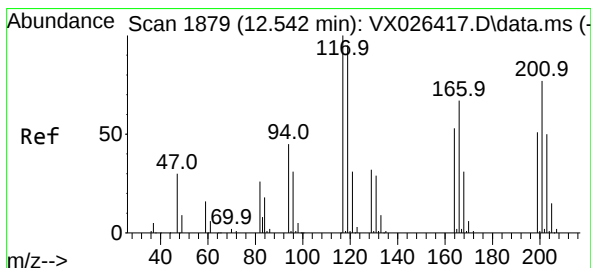
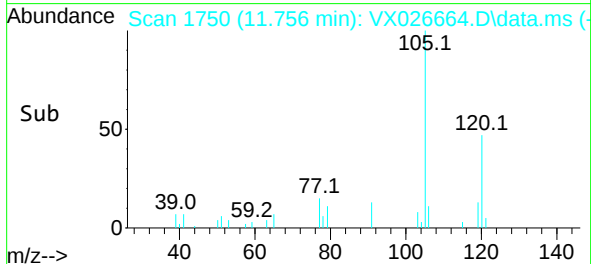
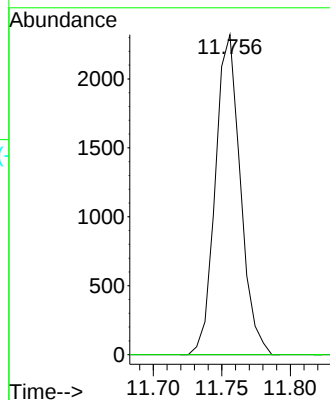
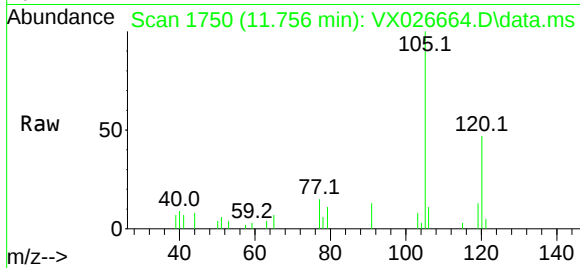




#85
 sec-Butylbenzene
 Concen: 0.427 ug/l
 RT: 11.756 min Scan# 11756
 Delta R.T. -0.134 min
 Lab File: VX026664.D
 Acq: 28 Jan 2022 20:13

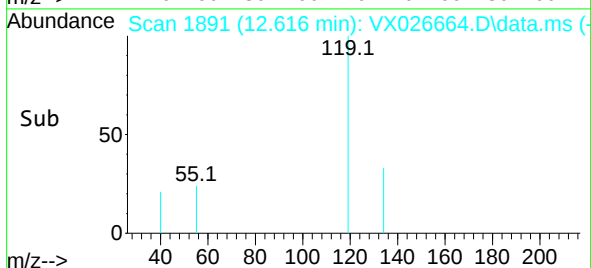
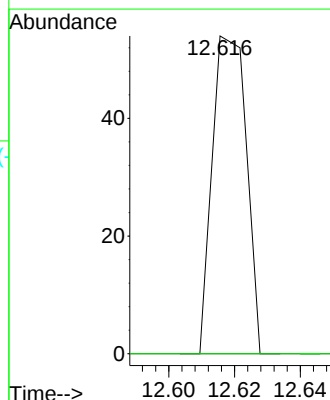
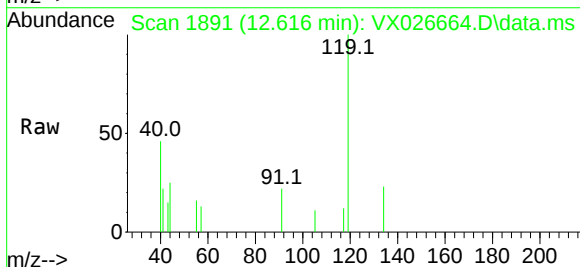
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-1S

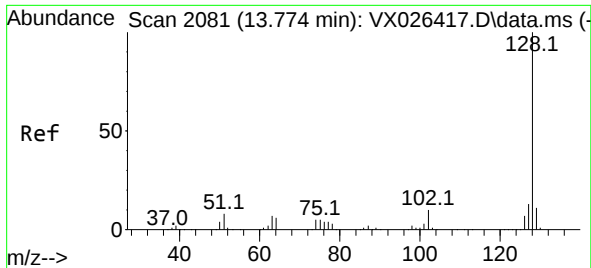
Tgt Ion:105 Resp: 2946
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#90
 Hexachloroethane
 Concen: 2.216 ug/l
 RT: 12.616 min Scan# 1891
 Delta R.T. 0.074 min
 Lab File: VX026664.D
 Acq: 28 Jan 2022 20:13

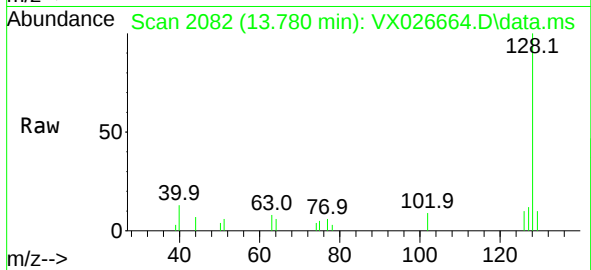
Tgt Ion:117 Resp: 39
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.6 106.8#





#95
Naphthalene
Concen: 0.433 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX026664.D
Acq: 28 Jan 2022 20:13

Instrument :
MSVOA_X
ClientSampleId :
MH-1S



Tgt Ion:	128	Resp:	2603
Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.3	15.5
129	10.3	8.7	13.1

