

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028464.D
 Acq On : 30 Apr 2022 07:42
 Operator : JC/MD
 Sample : N2616-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-18D

Quant Time: Apr 30 09:25:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

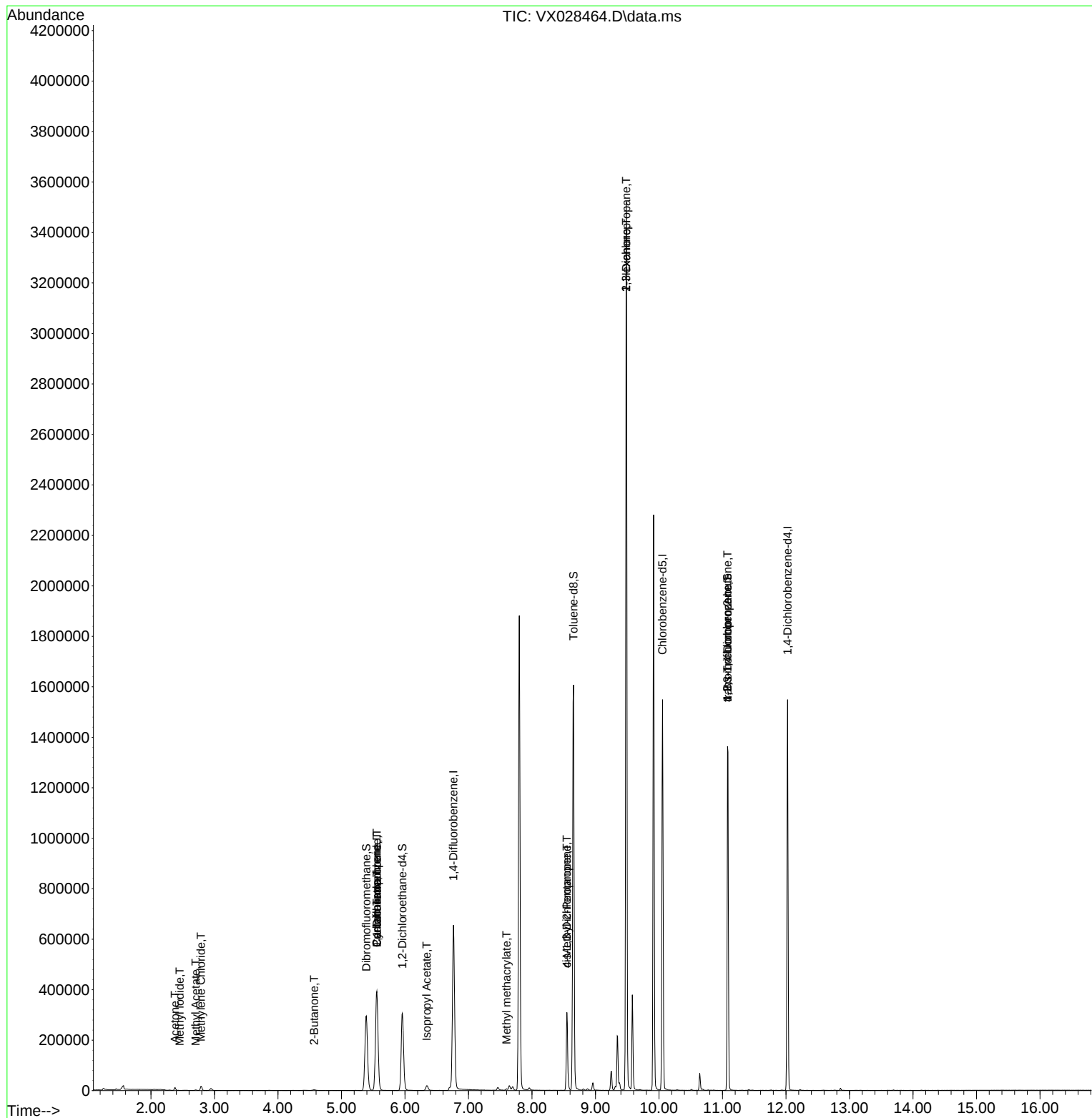
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	381364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	679272	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	697510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	317919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	290099	58.340	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	116.680%
35) Dibromofluoromethane	5.391	113	255904	53.720	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.440%
50) Toluene-d8	8.653	98	975874	53.337	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.680%
62) 4-Bromofluorobenzene	11.079	95	359687	51.415	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.820%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	310	Below Cal	#	83
5) Bromomethane	1.612	94	646	Below Cal		91
6) Chloroethane	1.673	64	604	Below Cal	#	43
8) Diethyl Ether	2.130	74	22	Below Cal	#	1
10) Methyl Iodide	2.453	142	105	5.257	ug/l #	41
11) Tert butyl alcohol	2.947	59	4728	Below Cal	#	76
16) Acetone	2.380	43	11013	5.888	ug/l	92
18) Methyl Acetate	2.703	43	3042	0.688	ug/l #	81
20) Methylene Chloride	2.788	84	8066	2.186	ug/l	98
25) 2-Butanone	4.568	43	3896	1.323	ug/l #	85
31) Cyclohexane	5.556	56	7674	1.267	ug/l #	5
36) 1,1-Dichloropropene	5.556	75	28485	4.584	ug/l #	50
38) Carbon Tetrachloride	5.556	117	39158	5.582	ug/l #	15
43) Isopropyl Acetate	6.342	43	27251	2.656	ug/l	96
48) Methyl methacrylate	7.598	41	8071	1.713	ug/l #	7
51) 4-Methyl-2-Pentanone	8.549	43	97647	14.829	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	52246	6.820	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	33148	4.000	ug/l #	43
59) 2-Hexanone	9.482	43	379157	74.333	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	177388	28.351	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	177388	84.252	ug/l #	15

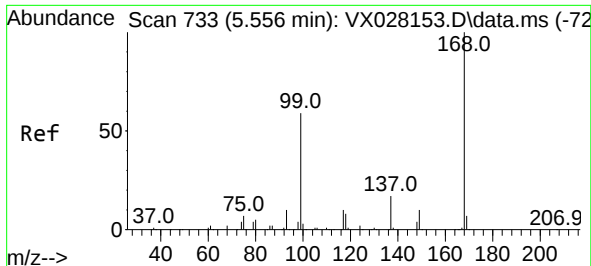
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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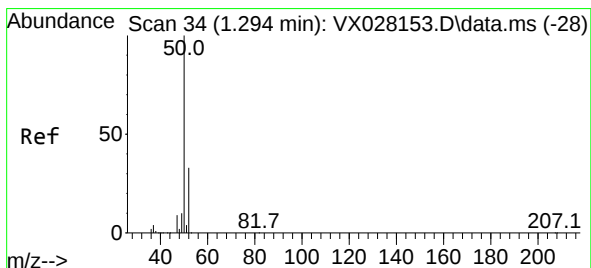
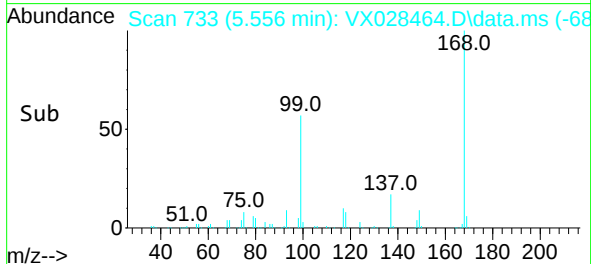
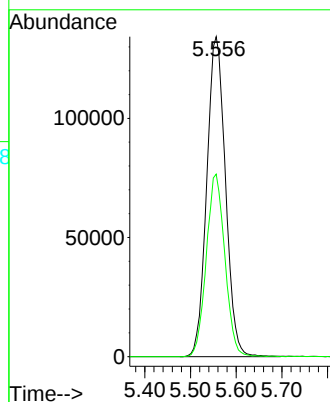
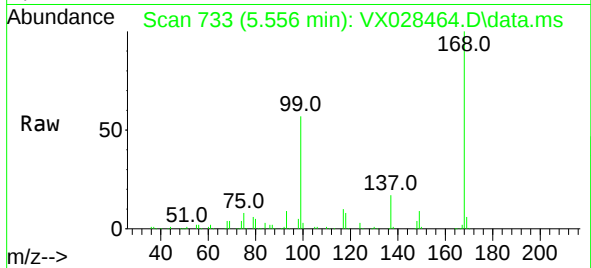




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

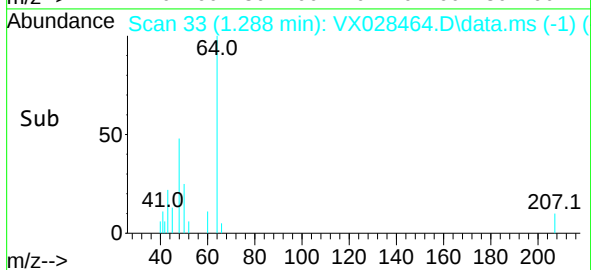
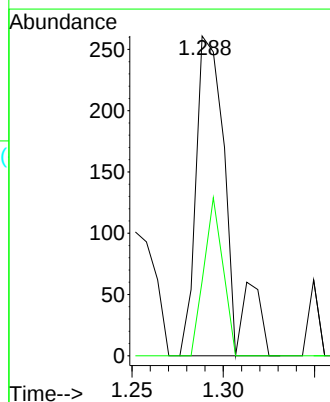
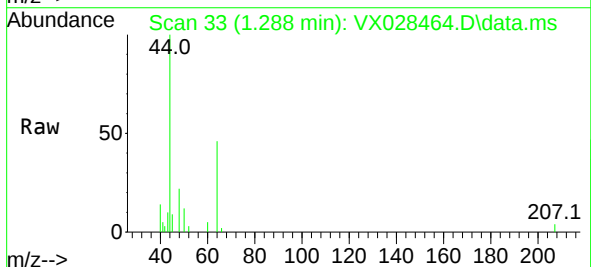
Instrument :
MSVOA_X
ClientSampleId :
MH-18D

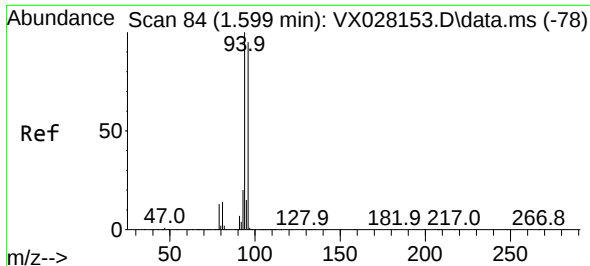
Tgt Ion:168 Resp: 381364
Ion Ratio Lower Upper
168 100
99 57.0 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

Tgt Ion: 50 Resp: 310
Ion Ratio Lower Upper
50 100
52 23.4 26.4 39.6#

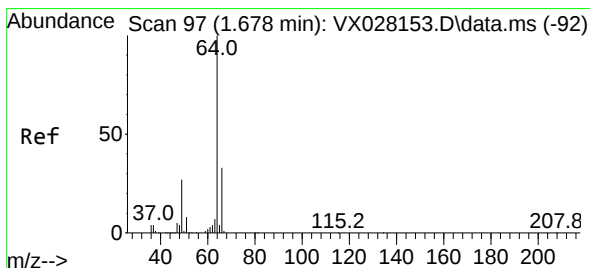
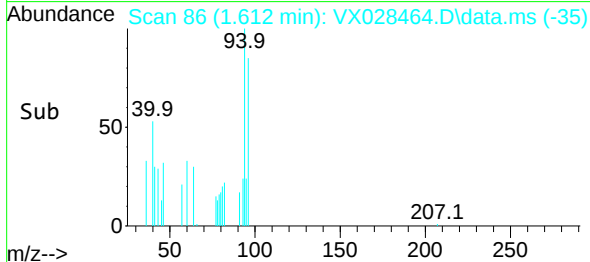
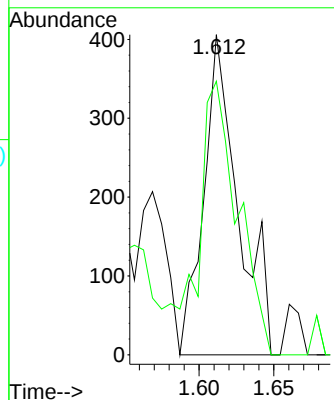
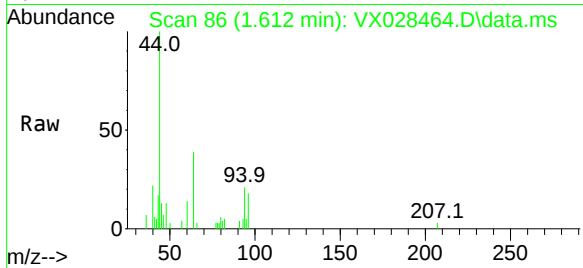




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

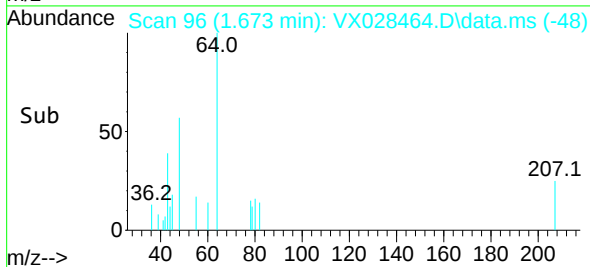
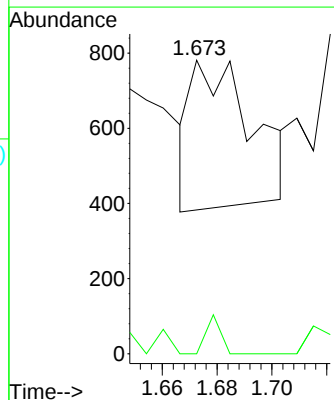
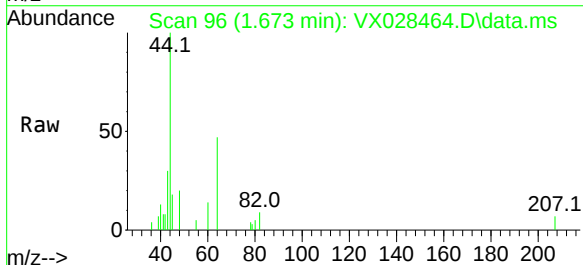
Instrument :
MSVOA_X
ClientSampleId :
MH-18D

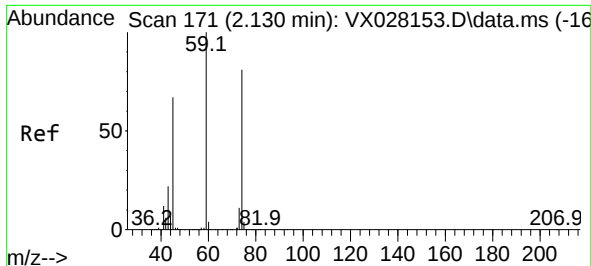
Tgt Ion: 94 Resp: 646
Ion Ratio Lower Upper
94 100
96 85.5 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.673 min Scan# 96
Delta R.T. -0.005 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

Tgt Ion: 64 Resp: 604
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

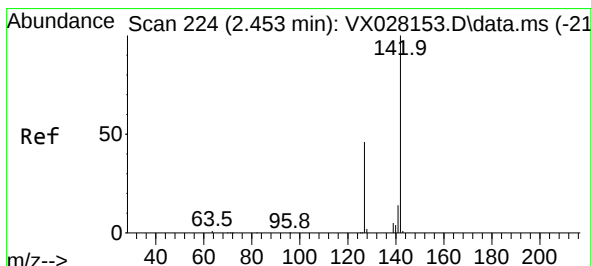
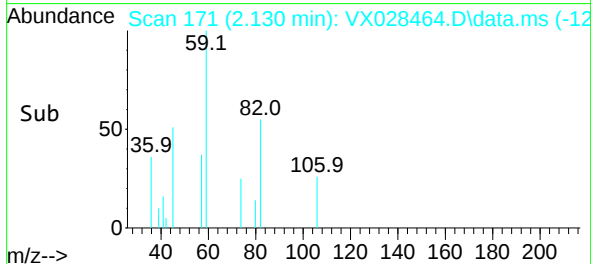
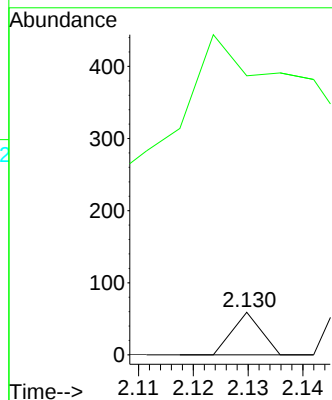
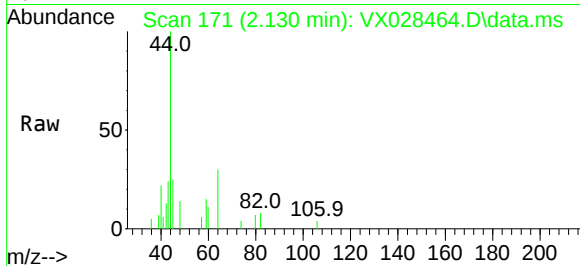




#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

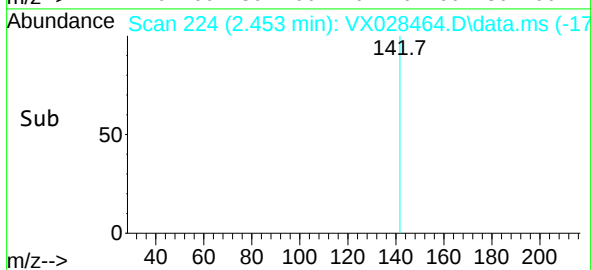
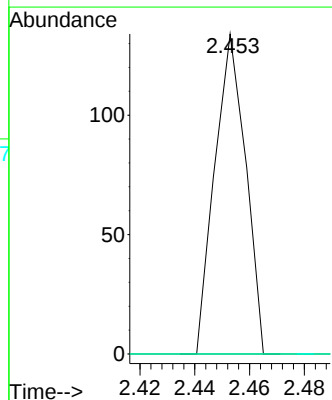
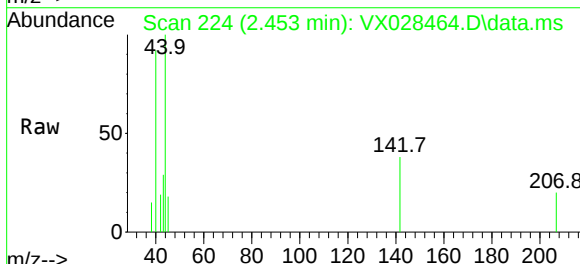
Instrument :
MSVOA_X
ClientSampleId :
MH-18D

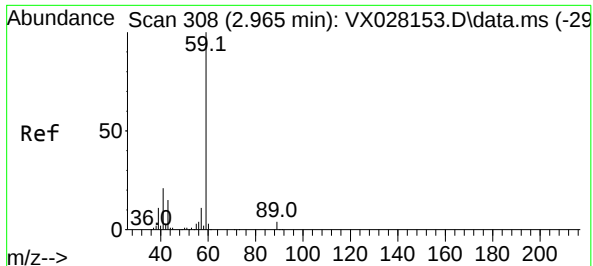
Tgt Ion: 74 Resp: 22
Ion Ratio Lower Upper
74 100
45 2877.3 42.0 126.0#



#10
Methyl Iodide
Concen: 5.257 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

Tgt Ion: 142 Resp: 105
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#

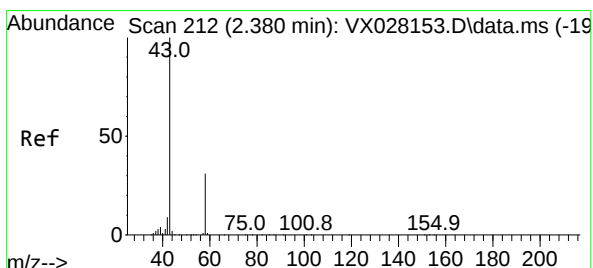
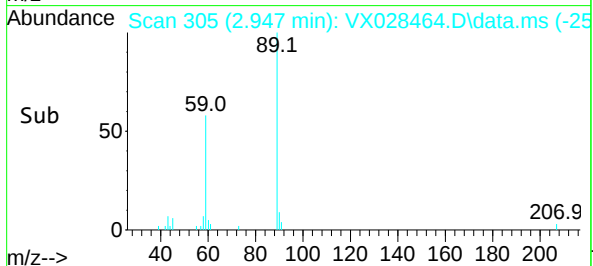
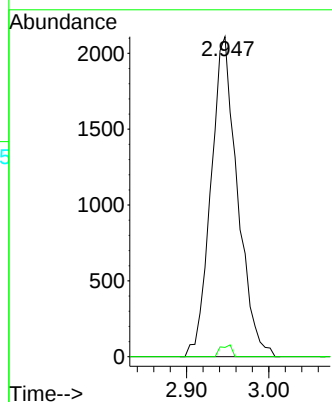
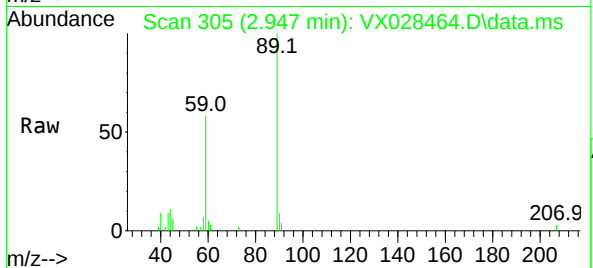




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

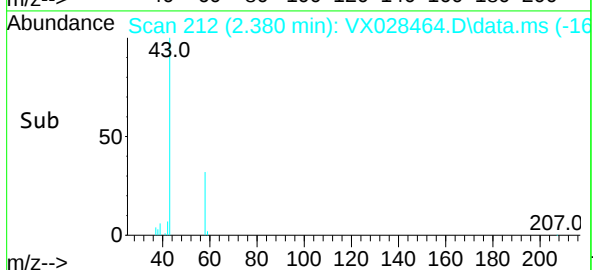
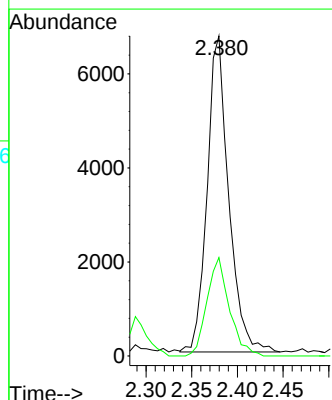
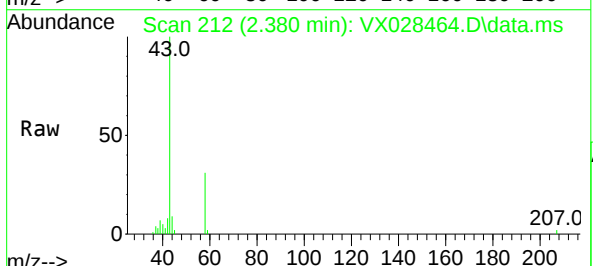
Instrument :
MSVOA_X
ClientSampleId :
MH-18D

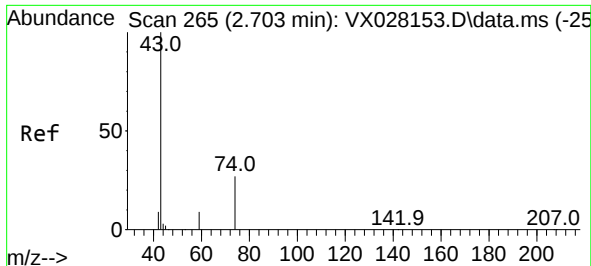
Tgt Ion: 59 Resp: 4728
Ion Ratio Lower Upper
59 100
57 1.6 8.3 12.5#



#16
Acetone
Concen: 5.888 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

Tgt Ion: 43 Resp: 11013
Ion Ratio Lower Upper
43 100
58 31.2 28.8 43.2





#18

Methyl Acetate

Concen: 0.688 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX028464.D

Acq: 30 Apr 2022 07:42

Instrument :

MSVOA_X

ClientSampleId :

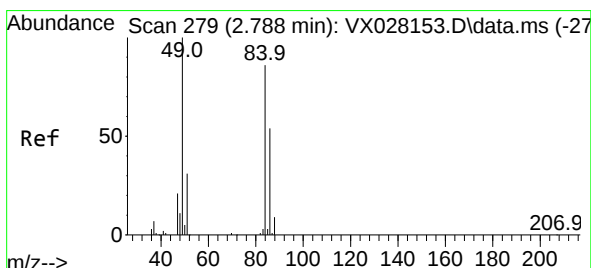
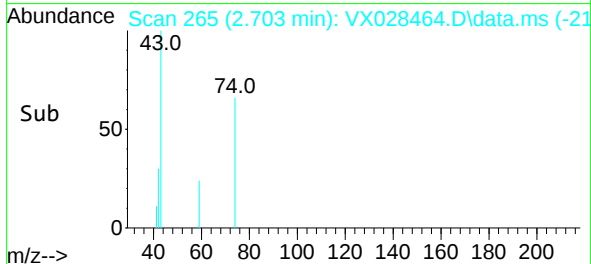
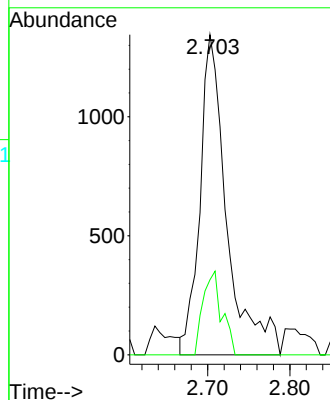
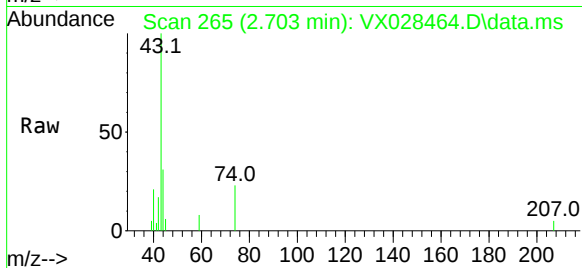
MH-18D

Tgt Ion: 43 Resp: 3042

Ion Ratio Lower Upper

43 100

74 18.3 22.8 34.2#



#20

Methylene Chloride

Concen: 2.186 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX028464.D

Acq: 30 Apr 2022 07:42

Tgt Ion: 84 Resp: 8066

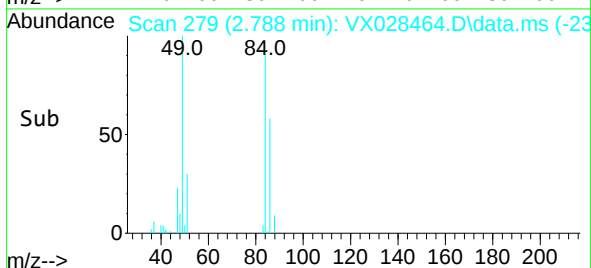
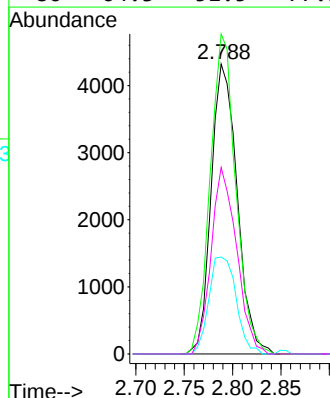
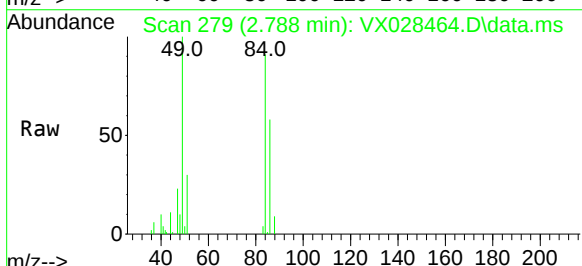
Ion Ratio Lower Upper

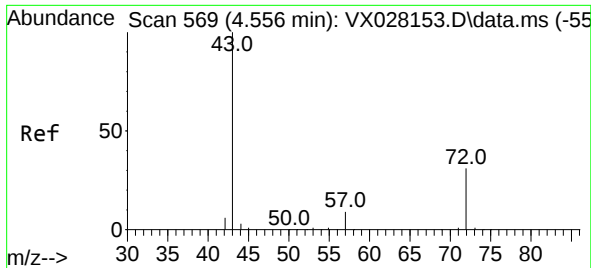
84 100

49 110.4 85.5 128.3

51 33.4 26.6 39.8

86 64.3 51.5 77.3

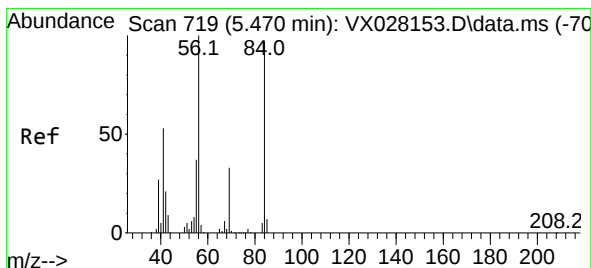
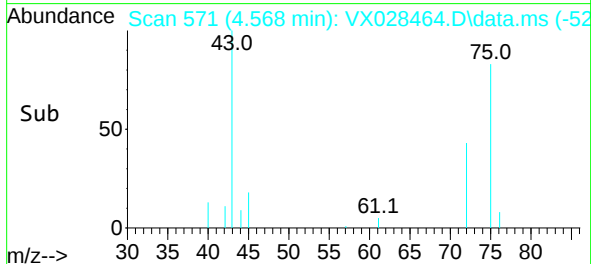
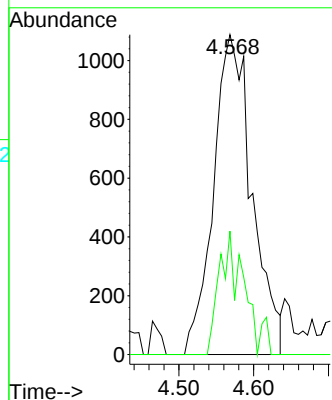
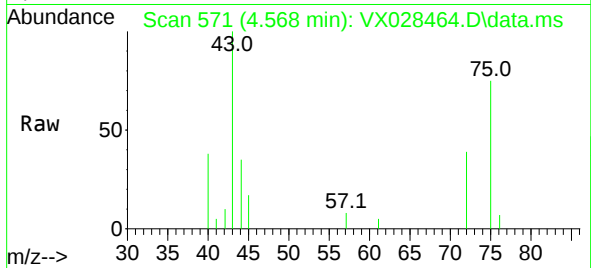




#25
2-Butanone
Concen: 1.323 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

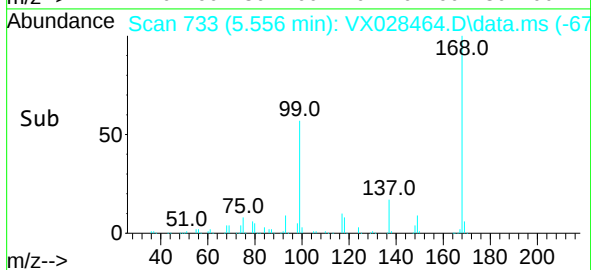
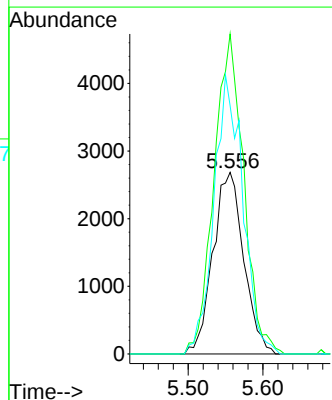
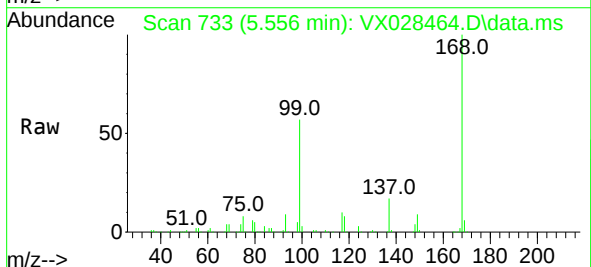
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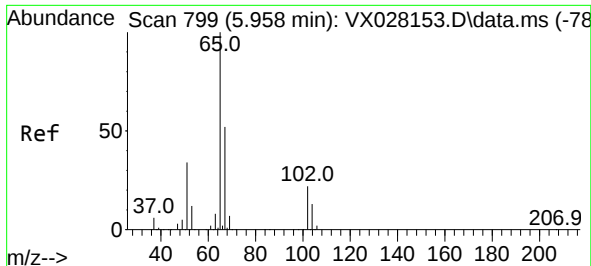
Tgt Ion: 43 Resp: 3896
Ion Ratio Lower Upper
43 100
72 38.6 24.4 36.6#



#31
Cyclohexane
Concen: 1.267 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

Tgt Ion: 56 Resp: 7674
Ion Ratio Lower Upper
56 100
69 176.3 26.7 40.1#
84 136.7 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 58.340 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028464.D

Acq: 30 Apr 2022 07:42

Instrument :

MSVOA_X

ClientSampleId :

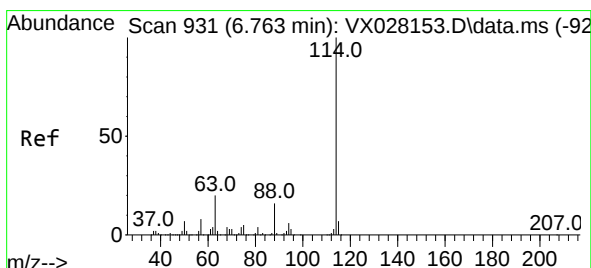
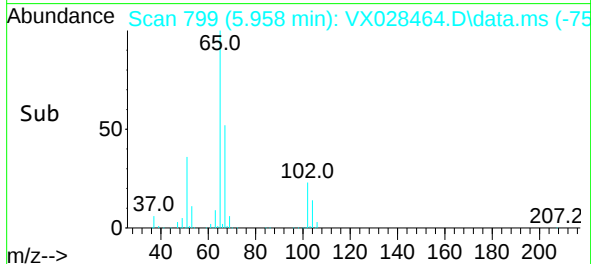
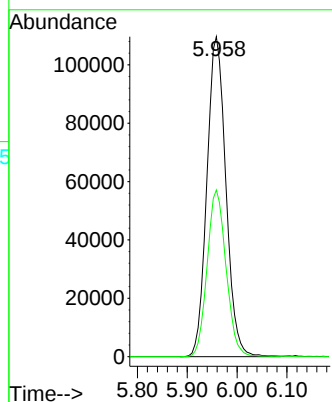
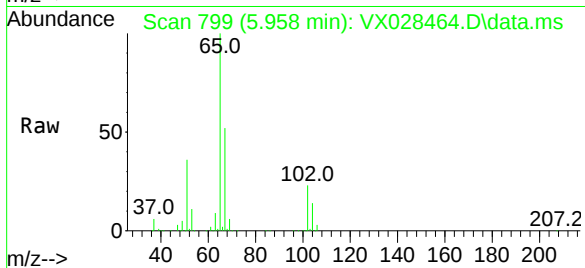
MH-18D

Tgt Ion: 65 Resp: 290099

Ion Ratio Lower Upper

65 100

67 51.9 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028464.D

Acq: 30 Apr 2022 07:42

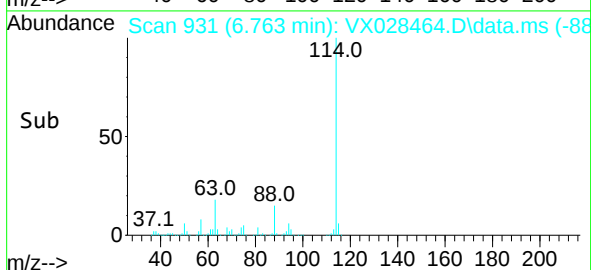
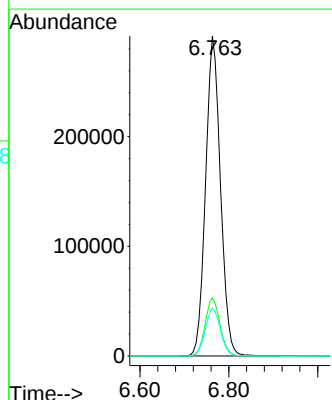
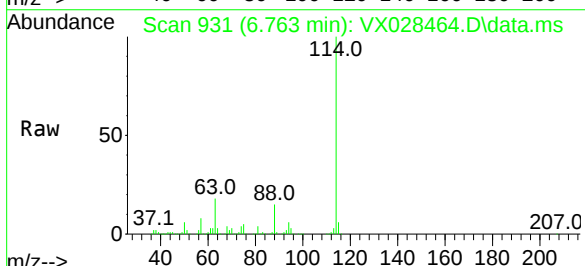
Tgt Ion: 114 Resp: 679272

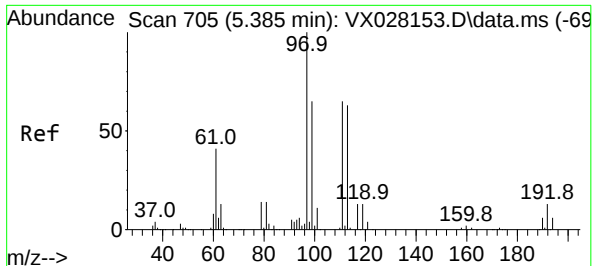
Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.8

88 15.1 0.0 32.4

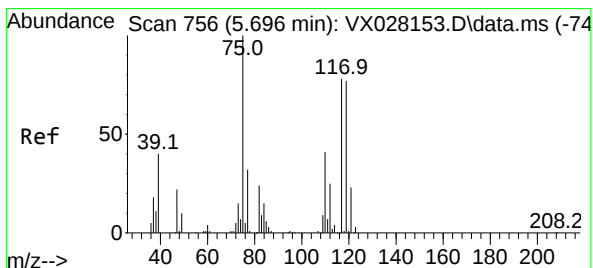
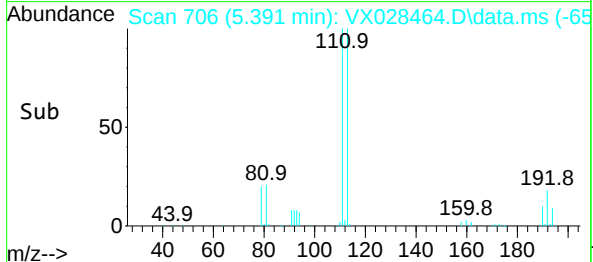
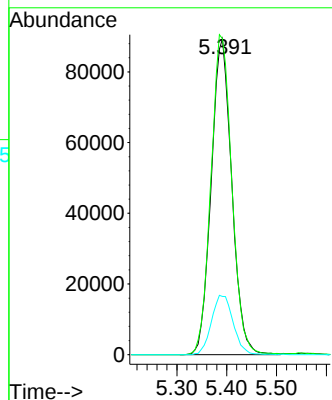
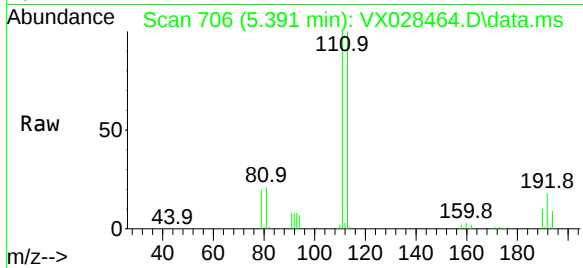




#35
Dibromofluoromethane
Concen: 53.720 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

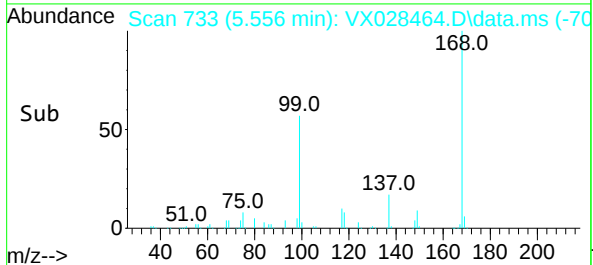
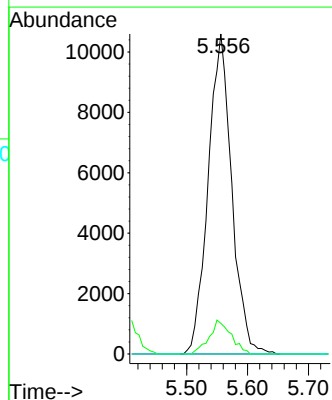
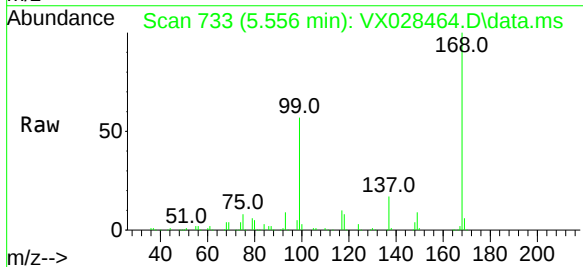
Instrument :
MSVOA_X
ClientSampleId :
MH-18D

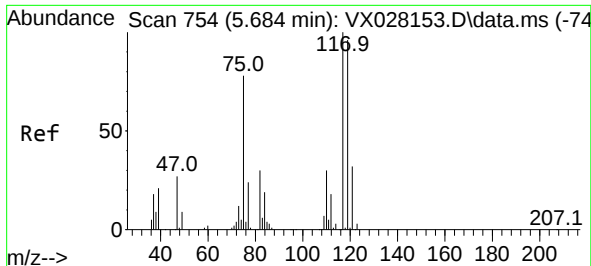
Tgt Ion:113 Resp: 255904
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.584 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

Tgt Ion: 75 Resp: 28485
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#

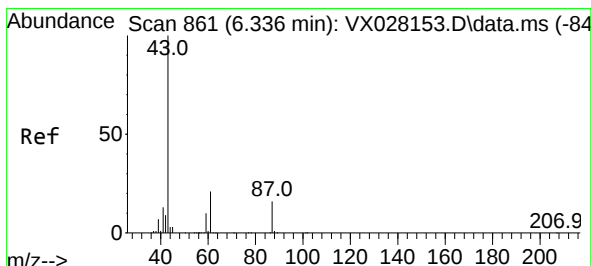
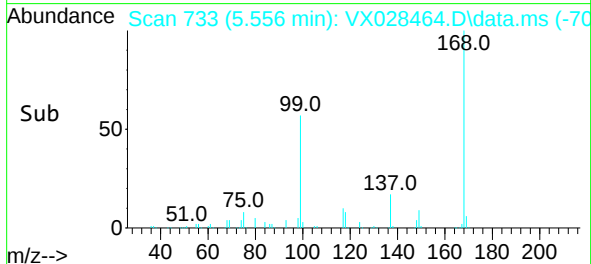
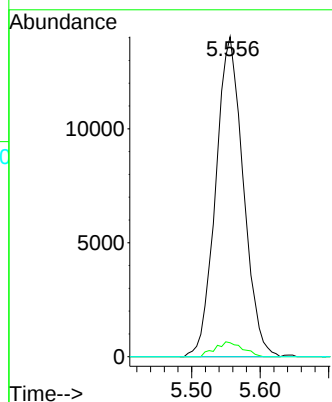
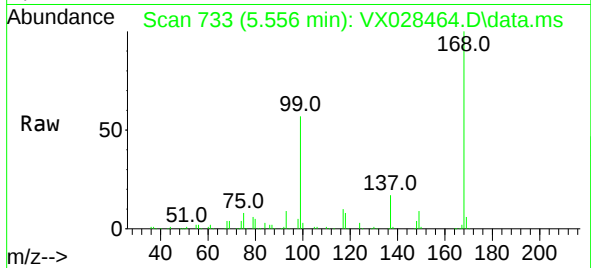




#38
Carbon Tetrachloride
Concen: 5.582 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

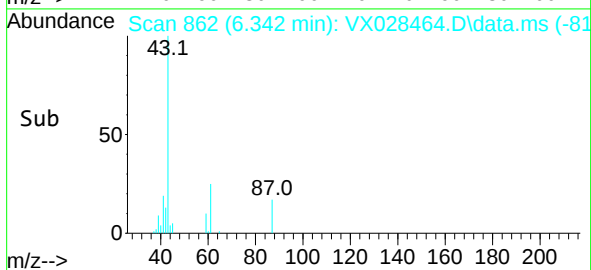
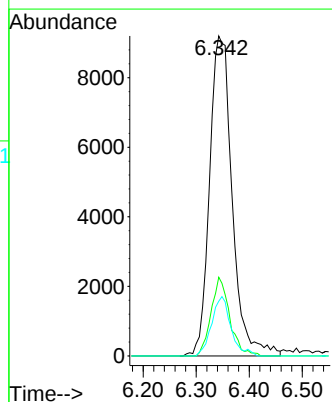
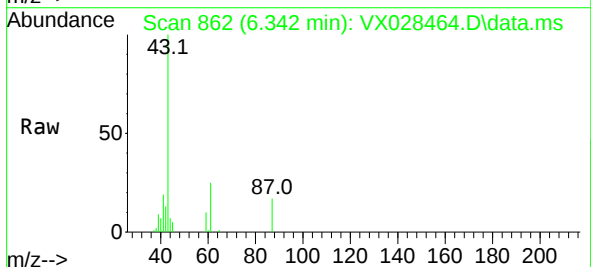
Instrument :
MSVOA_X
ClientSampleId :
MH-18D

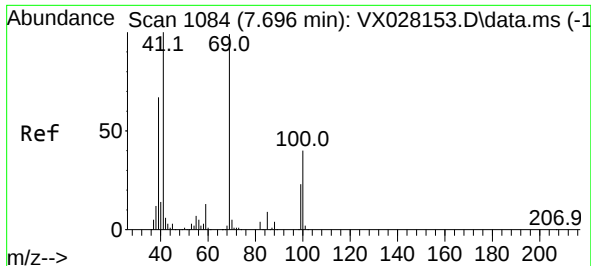
Tgt Ion:117 Resp: 39158
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.656 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

Tgt Ion: 43 Resp: 27251
Ion Ratio Lower Upper
43 100
61 20.3 18.5 27.7
87 15.9 13.0 19.6





#48

Methyl methacrylate

Concen: 1.713 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.098 min

Lab File: VX028464.D

Acq: 30 Apr 2022 07:42

Instrument :

MSVOA_X

ClientSampleId :

MH-18D

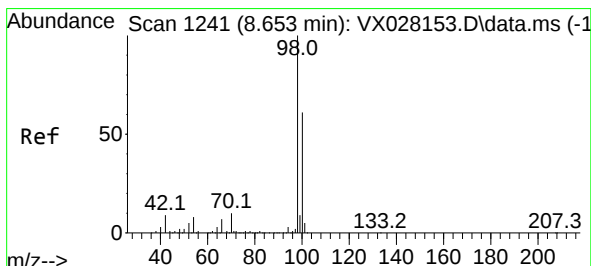
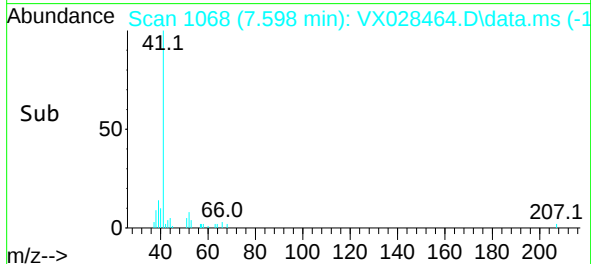
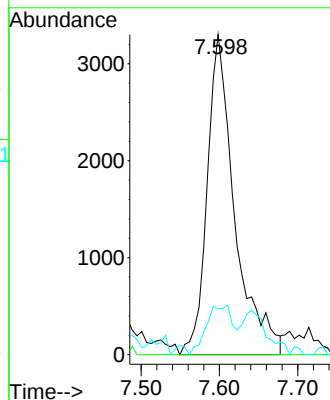
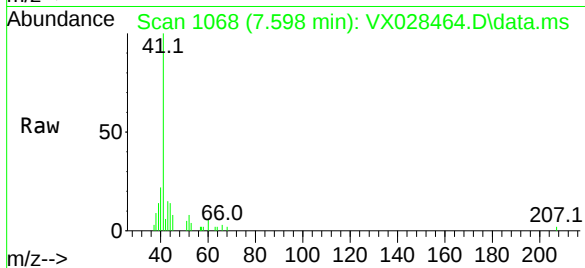
Tgt Ion: 41 Resp: 8071

Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#



#50

Toluene-d8

Concen: 53.337 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028464.D

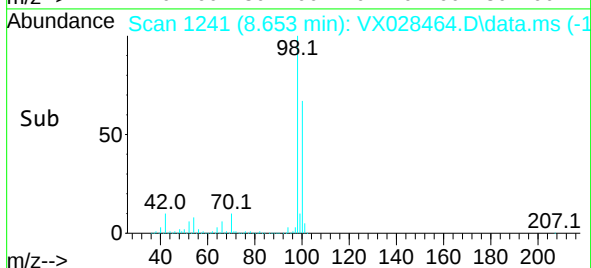
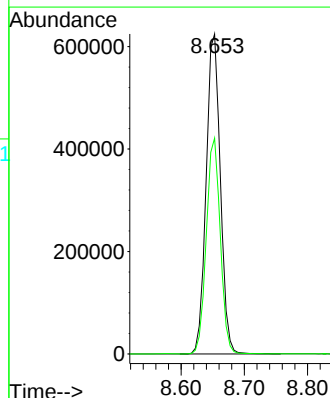
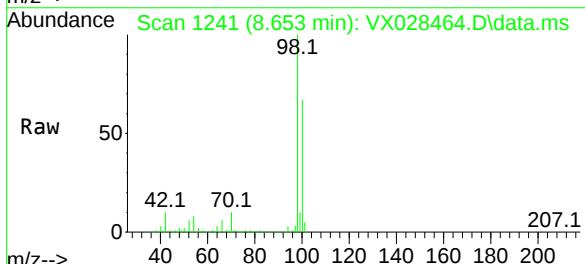
Acq: 30 Apr 2022 07:42

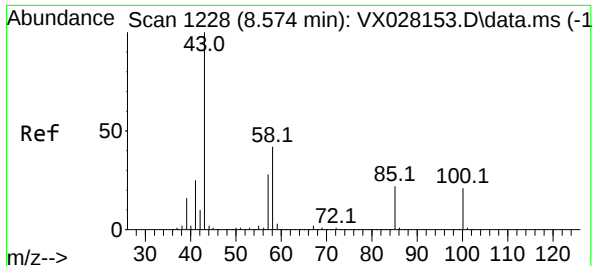
Tgt Ion: 98 Resp: 975874

Ion Ratio Lower Upper

98 100

100 66.4 52.6 78.8

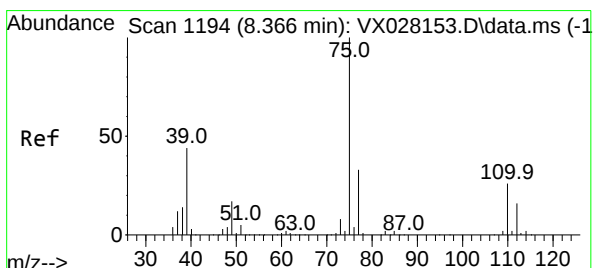
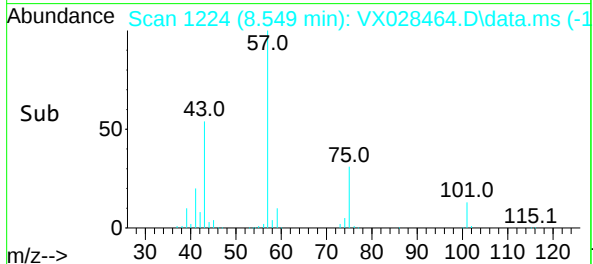
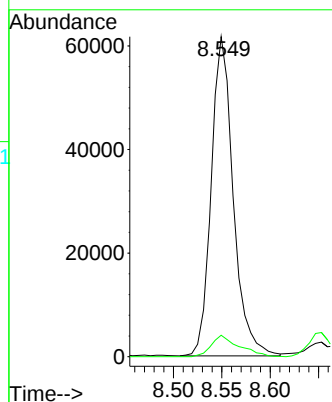
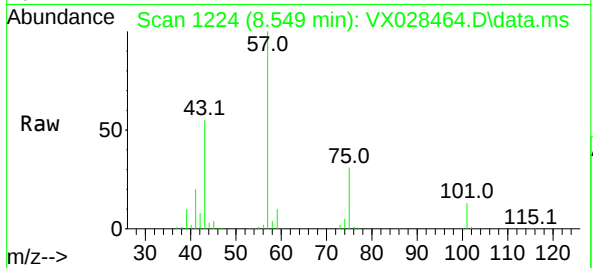




#51
4-Methyl-2-Pentanone
Concen: 14.829 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

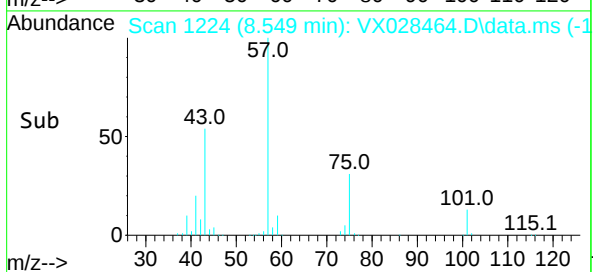
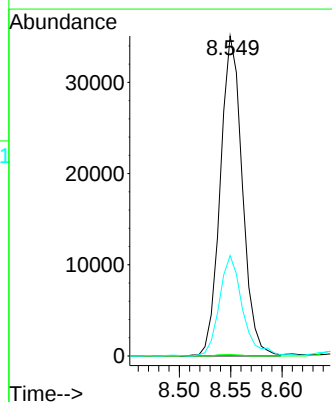
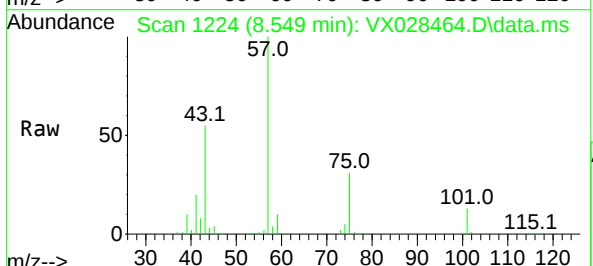
Instrument :
MSVOA_X
ClientSampleId :
MH-18D

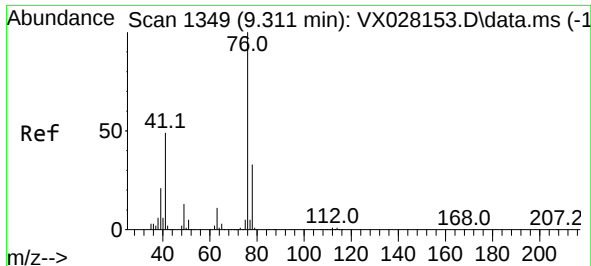
Tgt Ion: 43 Resp: 97647
Ion Ratio Lower Upper
43 100
58 8.4 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 6.820 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

Tgt Ion: 75 Resp: 52246
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 31.2 29.6 44.4





#57

1,3-Dichloropropane

Concen: 4.000 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028464.D

Acq: 30 Apr 2022 07:42

Instrument :

MSVOA_X

ClientSampleId :

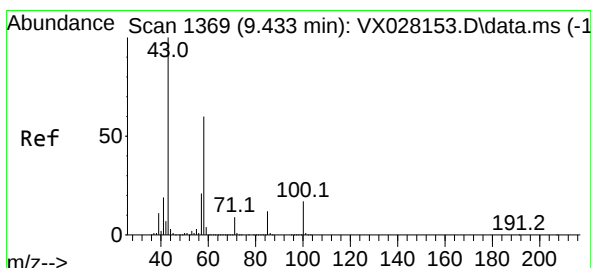
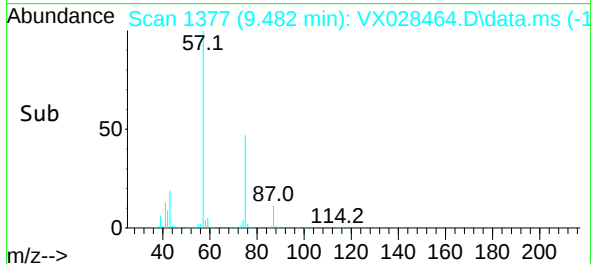
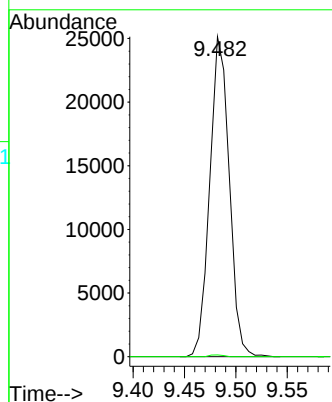
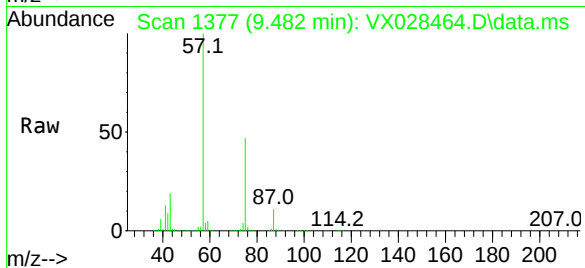
MH-18D

Tgt Ion: 76 Resp: 33148

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#



#59

2-Hexanone

Concen: 74.333 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028464.D

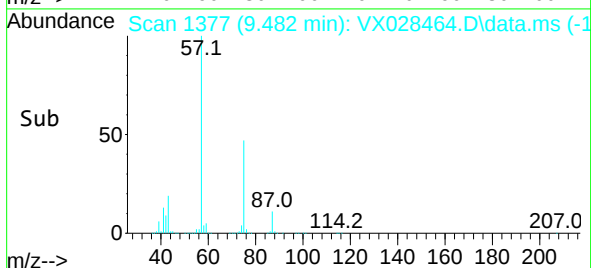
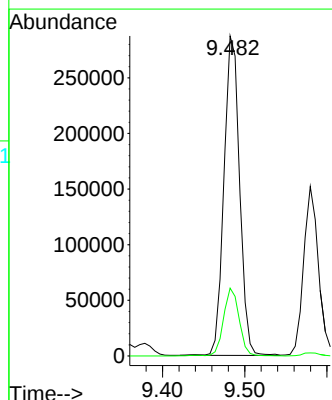
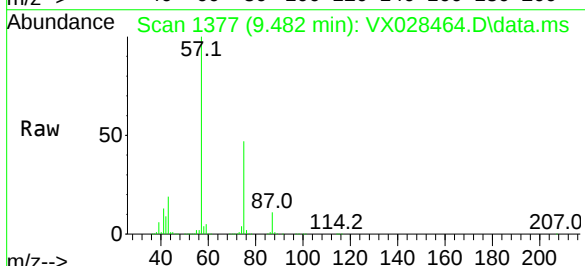
Acq: 30 Apr 2022 07:42

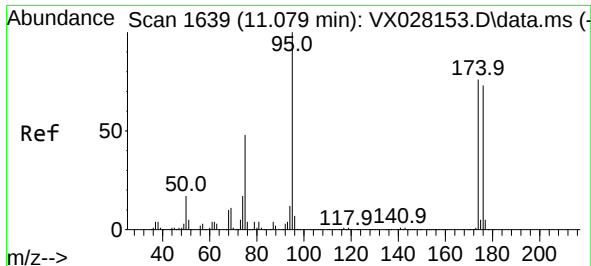
Tgt Ion: 43 Resp: 379157

Ion Ratio Lower Upper

43 100

58 21.0 31.9 95.7#

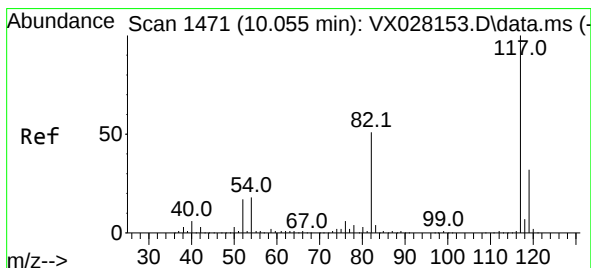
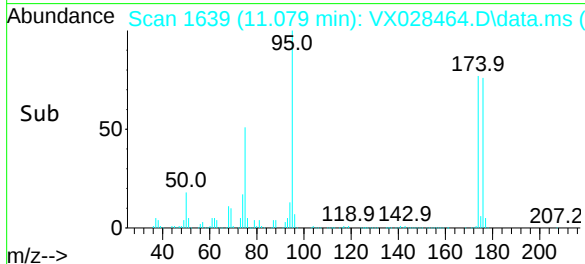
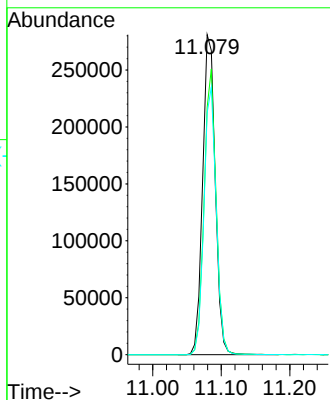
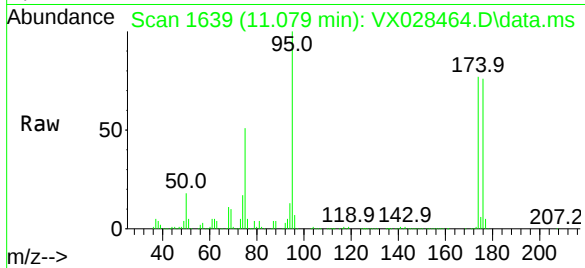




#62
4-Bromofluorobenzene
Concen: 51.415 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

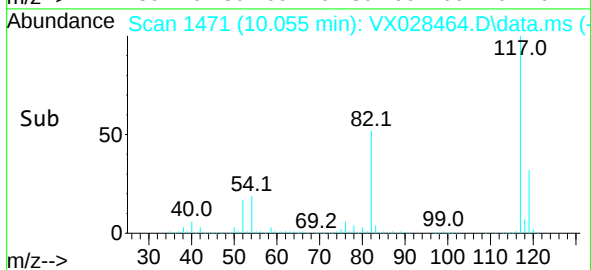
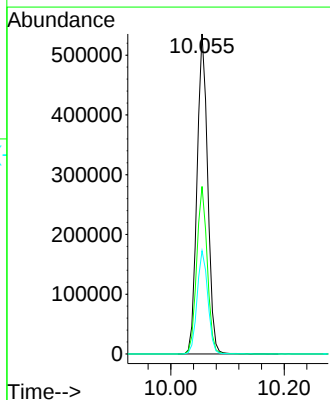
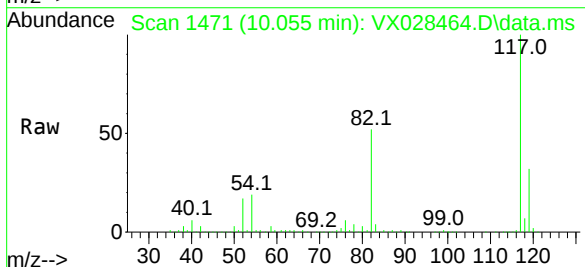
Instrument :
MSVOA_X
ClientSampleId :
MH-18D

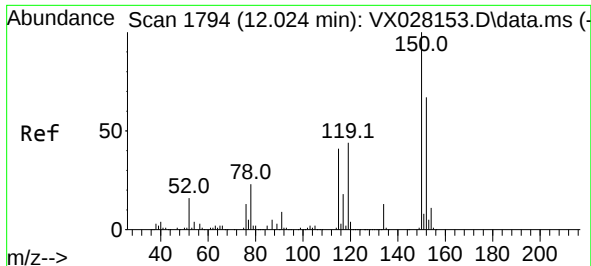
Tgt Ion: 95 Resp: 359687
Ion Ratio Lower Upper
95 100
174 85.1 0.0 163.0
176 81.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028464.D
Acq: 30 Apr 2022 07:42

Tgt Ion: 117 Resp: 697510
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.8
119 32.2 24.8 37.2

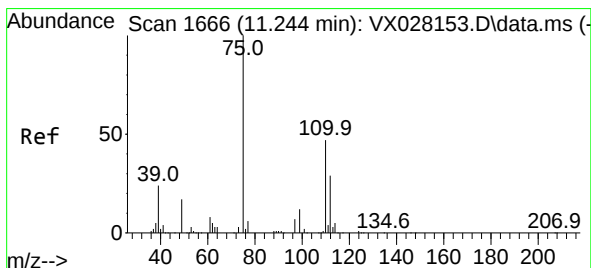
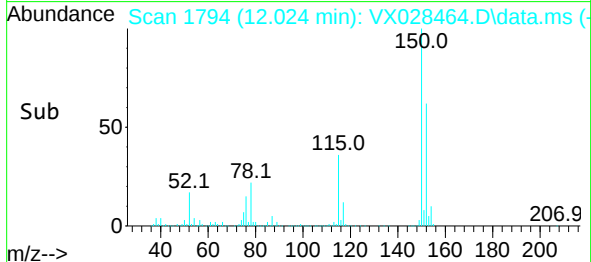
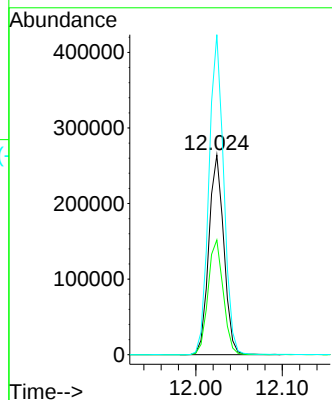
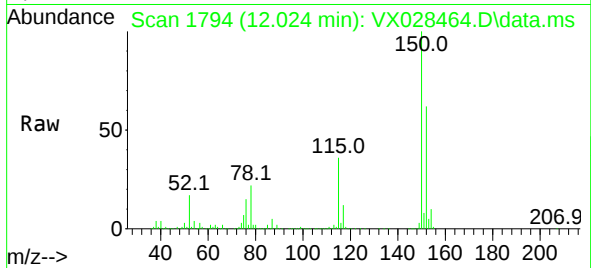




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028464.D
 Acq: 30 Apr 2022 07:42

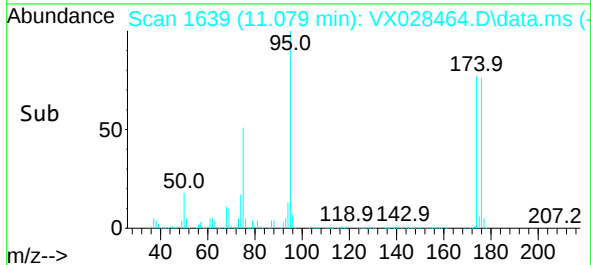
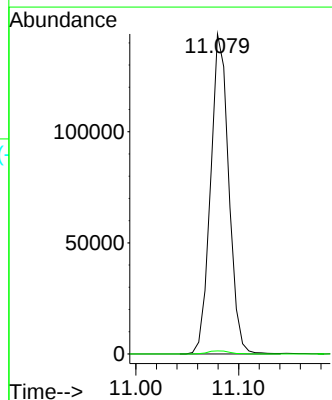
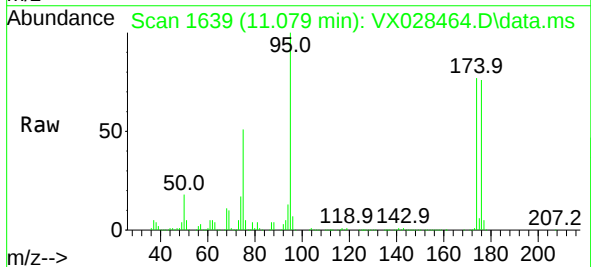
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-18D

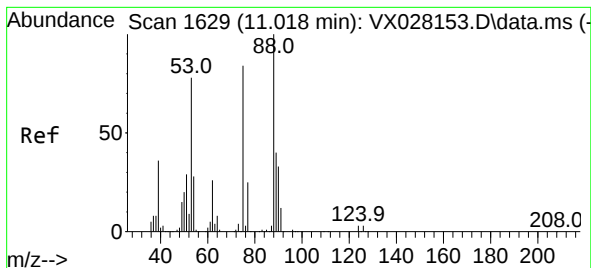
Tgt Ion:152 Resp: 317919
 Ion Ratio Lower Upper
 152 100
 115 58.3 37.5 112.7
 150 158.1 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 28.351 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028464.D
 Acq: 30 Apr 2022 07:42

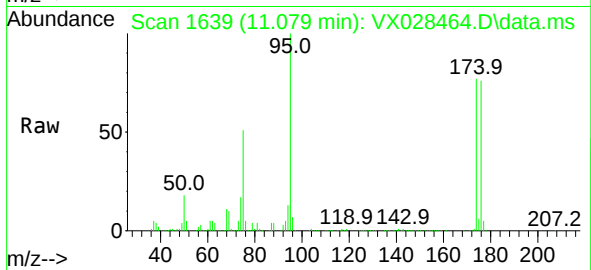
Tgt Ion: 75 Resp: 177388
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.252 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028464.D
 Acq: 30 Apr 2022 07:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-18D



Tgt Ion: 75 Resp: 177388
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

