

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031526.D
 Acq On : 21 Sep 2022 15:53
 Operator : JC/MD
 Sample : N4614-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 H-3RB

Quant Time: Sep 22 01:13:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

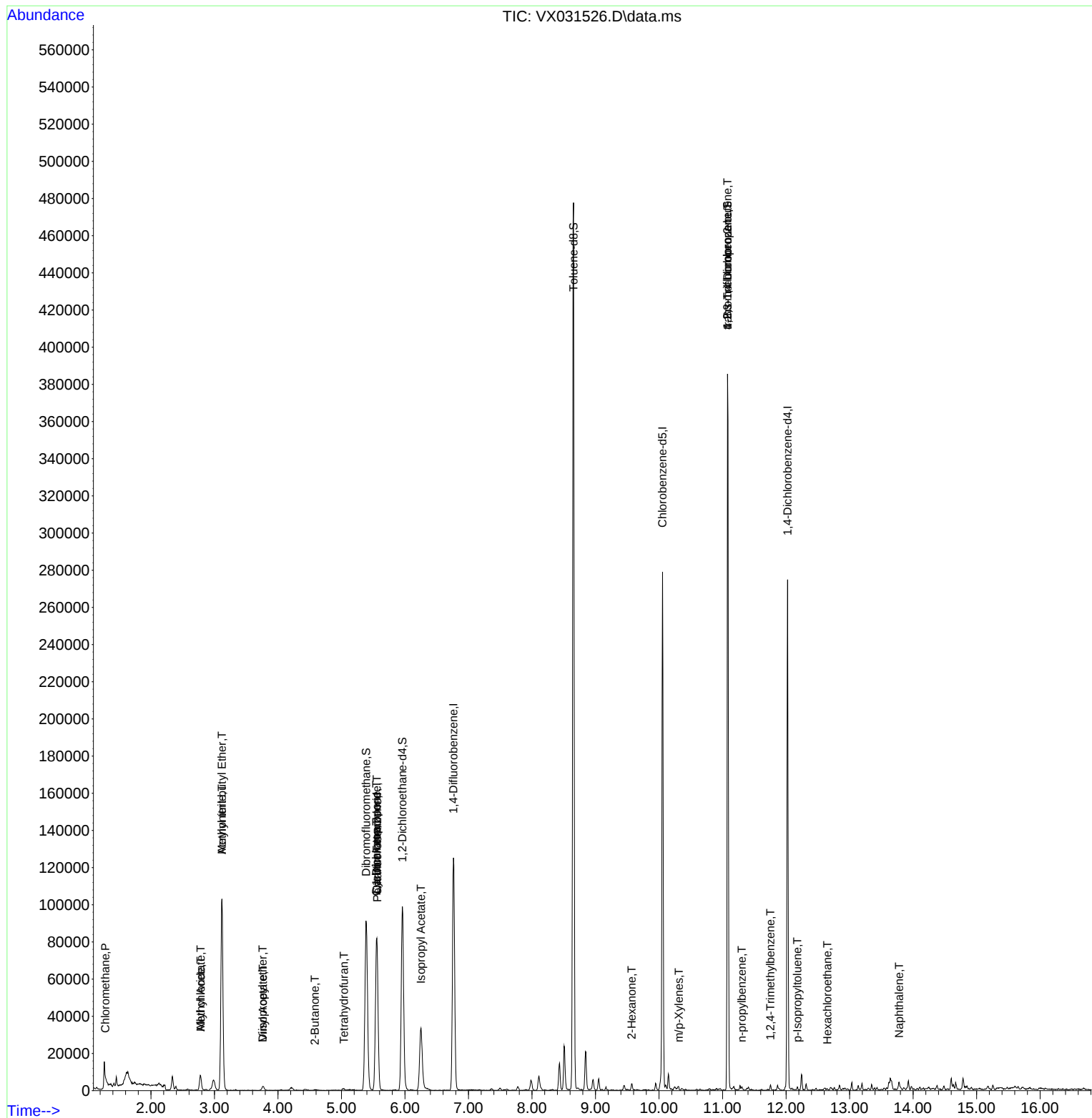
Internal Standards						
1) Pentafluorobenzene	5.562	168	80348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	132064	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87623	59.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.120%			
35) Dibromofluoromethane	5.385	113	74755	54.835	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.660%			
50) Toluene-d8	8.653	98	283400	53.862	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.720%			
62) 4-Bromofluorobenzene	11.079	95	86932	48.777	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.560%			
Target Compounds						Qvalue
3) Chloromethane	1.282	50	462	0.301	ug/l #	41
6) Chloroethane	1.624	64	2982	Below Cal	#	68
11) Tert butyl alcohol	2.983	59	8926	Below Cal	#	73
13) Acrolein	2.203	56	66	Below Cal	#	1
14) Allyl chloride	2.782	41	2816	1.381	ug/l #	66
15) Acrylonitrile	3.117	53	1298	1.674	ug/l #	24
16) Acetone	2.386	43	1947	Below Cal	#	86
18) Methyl Acetate	2.782	43	5856	2.659	ug/l #	52
19) Methyl tert-butyl Ether	3.117	73	117275	25.927	ug/l	99
20) Methylene Chloride	2.800	84	54	Below Cal	#	43
22) Diisopropyl ether	3.757	45	2342	0.530	ug/l #	66
23) Vinyl Acetate	3.764	43	1208	0.320	ug/l #	71
25) 2-Butanone	4.580	43	348	0.306	ug/l #	49
29) Tetrahydrofuran	5.038	42	1018	1.372	ug/l #	82
31) Cyclohexane	5.550	56	2158	0.987	ug/l #	32
36) 1,1-Dichloropropene	5.550	75	6242	2.974	ug/l #	50
38) Carbon Tetrachloride	5.556	117	8237	3.540	ug/l #	16
43) Isopropyl Acetate	6.251	43	9369	2.434	ug/l #	61
59) 2-Hexanone	9.567	43	752	0.404	ug/l	81
68) m/p-Xylenes	10.311	106	524	0.202	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.159	83	58	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.079	75	50733	42.558	ug/l #	36
78) n-propylbenzene	11.305	91	978	0.213	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	50733	137.030	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.756	105	1367	0.410	ug/l	93
86) p-Isopropyltoluene	12.177	119	839	0.239	ug/l	91
90) Hexachloroethane	12.652	117	270	0.448	ug/l #	15
95) Naphthalene	13.780	128	3510	0.917	ug/l #	95

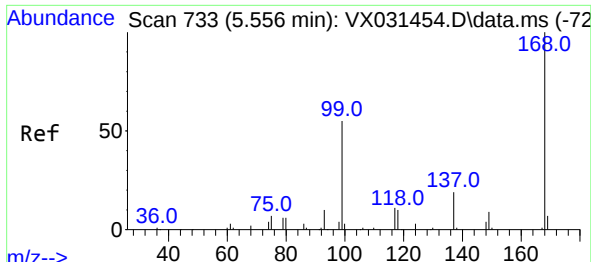
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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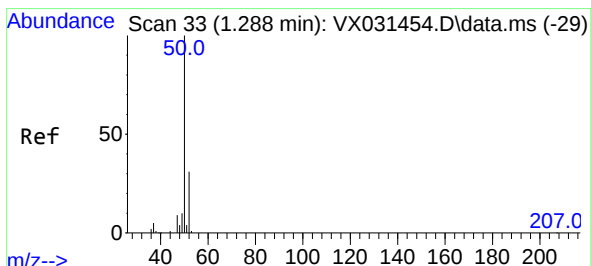
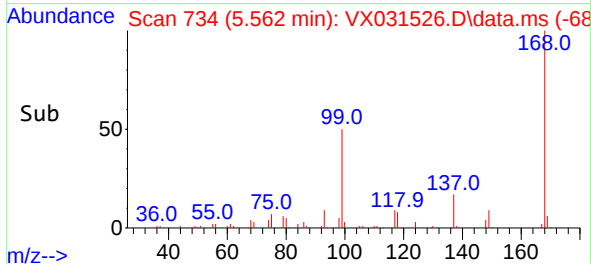
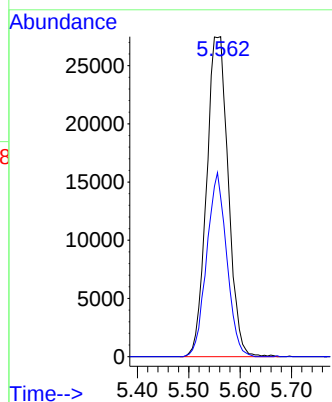
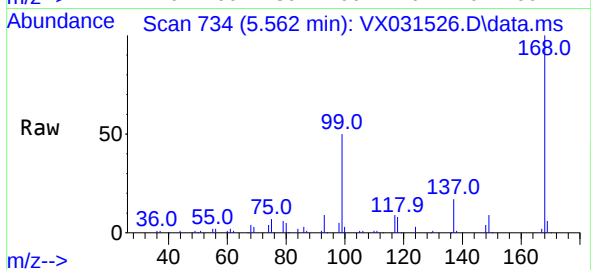




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

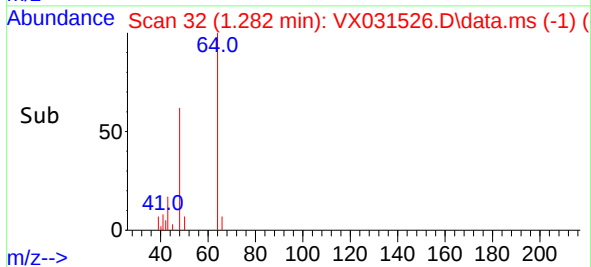
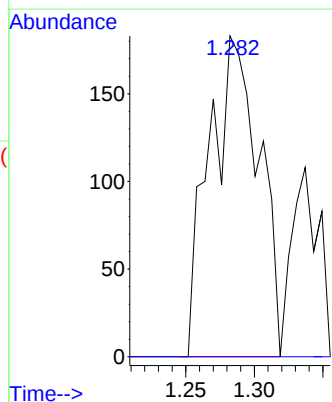
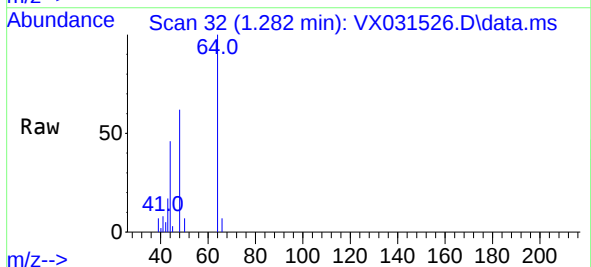
Instrument :
MSVOA_X
ClientSampleId :
H-3RB

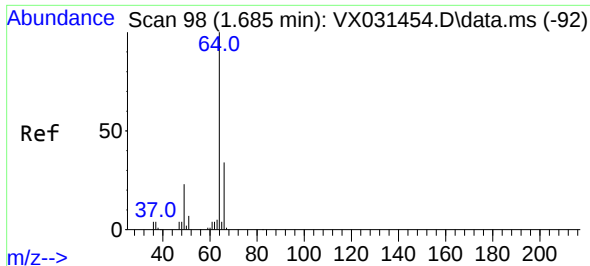
Tgt Ion:168 Resp: 80348
Ion Ratio Lower Upper
168 100
99 49.7 48.8 73.2



#3
Chloromethane
Concen: 0.301 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Tgt Ion: 50 Resp: 462
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

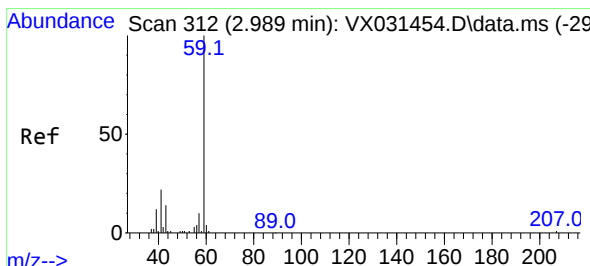
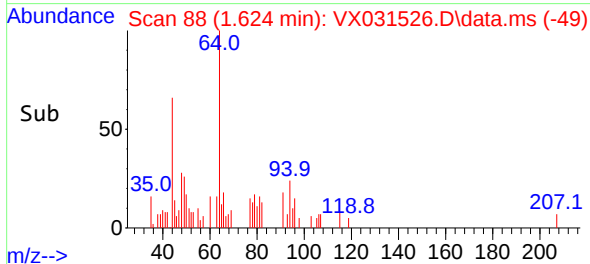
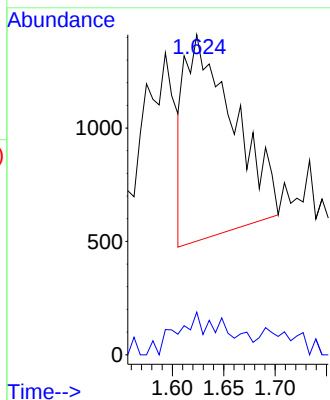
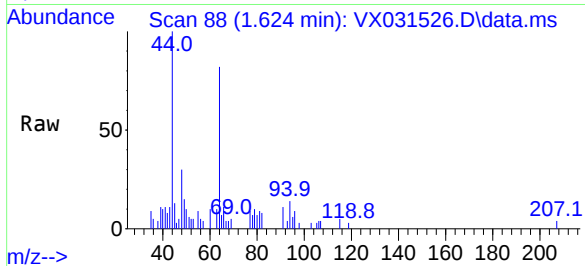




#6
Chloroethane
Concen: Below Cal
RT: 1.624 min Scan# 81
Delta R.T. -0.061 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

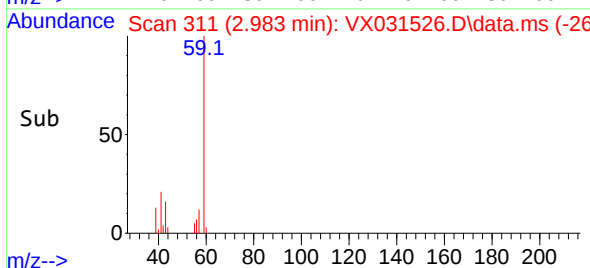
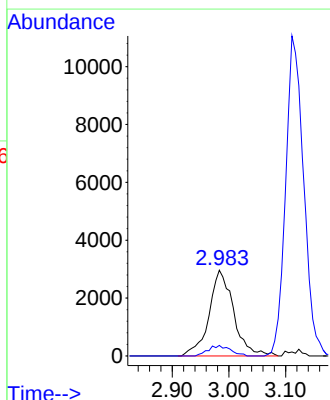
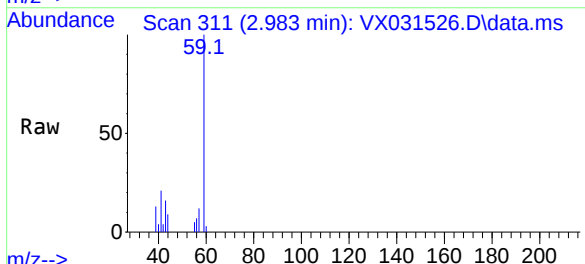
Instrument :
MSVOA_X
ClientSampleId :
H-3RB

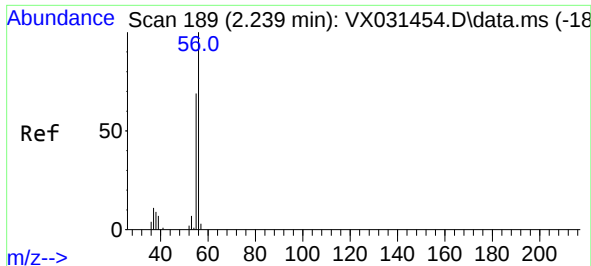
Tgt Ion: 64 Resp: 2982
Ion Ratio Lower Upper
64 100
66 13.5 25.0 37.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.983 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Tgt Ion: 59 Resp: 8926
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.203 min Scan# 11

Delta R.T. -0.036 min

Lab File: VX031526.D

Acq: 21 Sep 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :

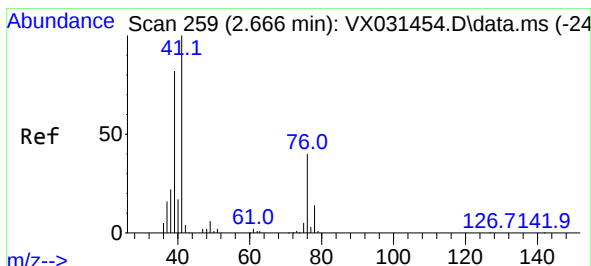
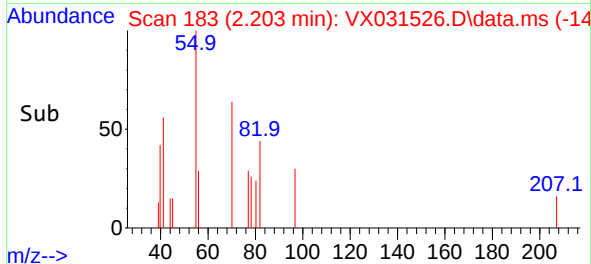
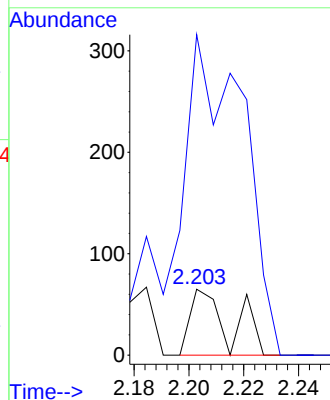
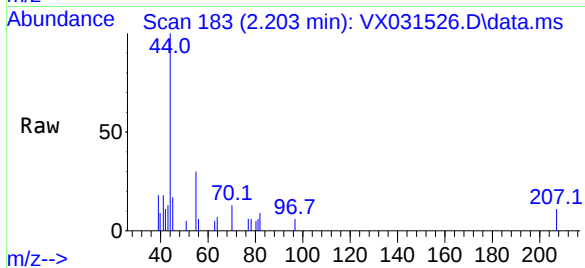
H-3RB

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

56 100

55 874.2 56.0 84.0#



#14

Allyl chloride

Concen: 1.381 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.116 min

Lab File: VX031526.D

Acq: 21 Sep 2022 15:53

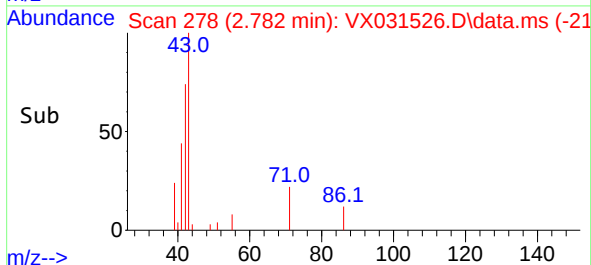
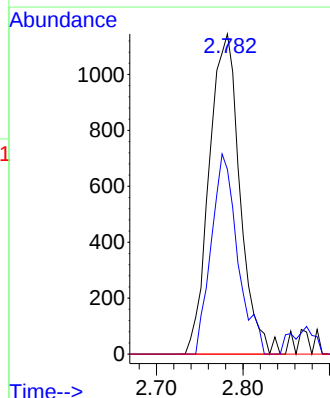
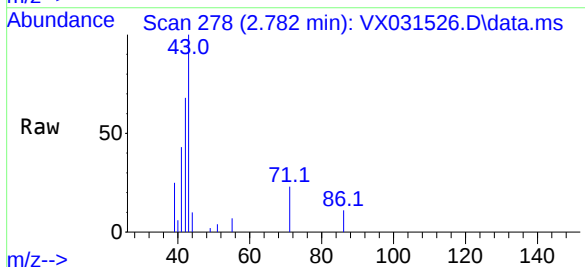
Tgt Ion: 41 Resp: 2816

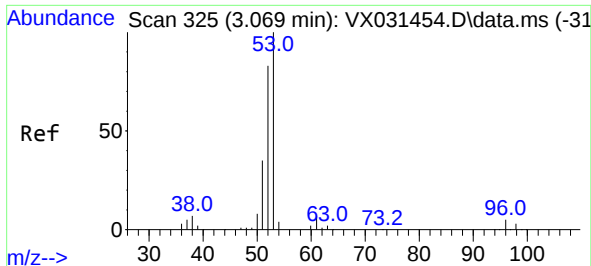
Ion Ratio Lower Upper

41 100

39 54.0 58.2 87.4#

76 0.0 26.9 40.3#

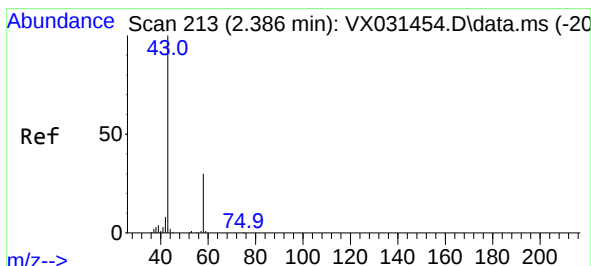
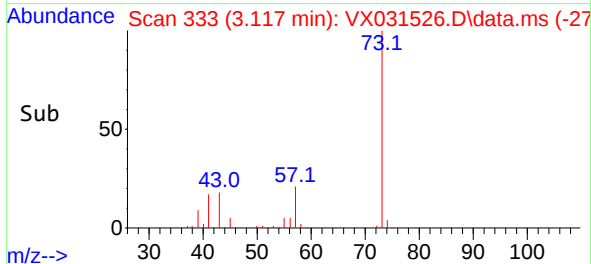
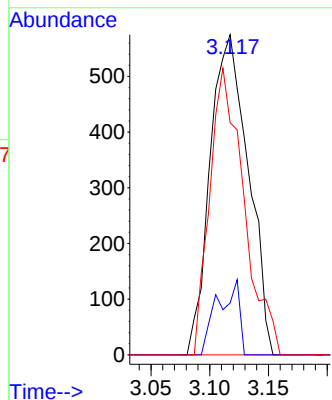
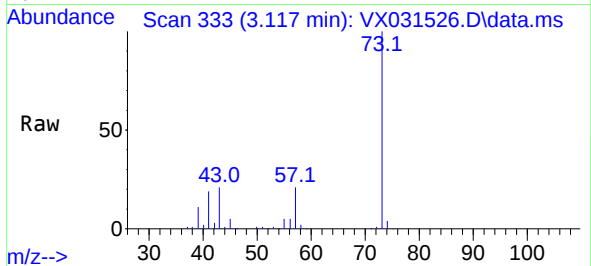




#15
Acrylonitrile
Concen: 1.674 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.048 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

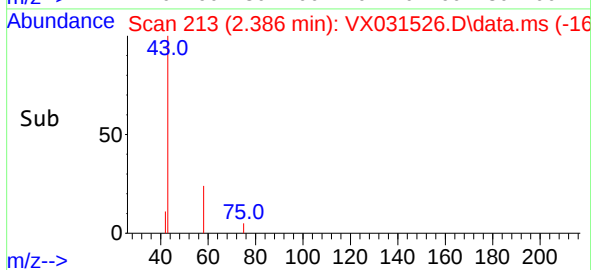
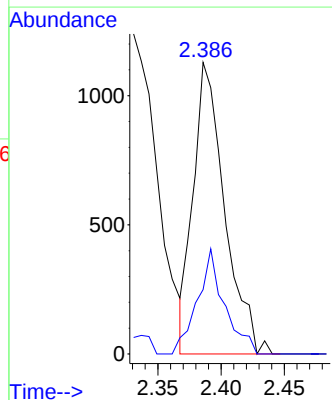
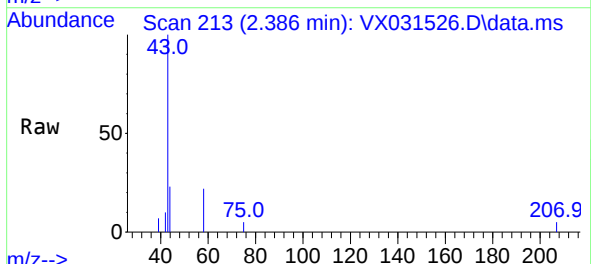
Instrument :
MSVOA_X
ClientSampleId :
H-3RB

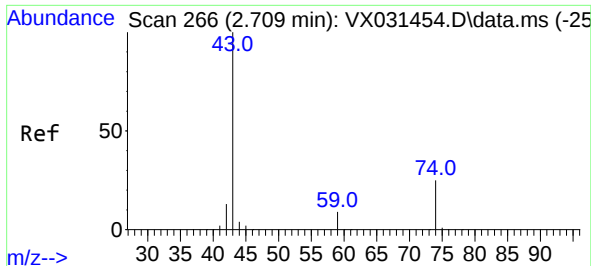
Tgt Ion: 53 Resp: 1298
Ion Ratio Lower Upper
53 100
52 13.3 66.9 100.3#
51 80.1 30.0 45.0#



#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Tgt Ion: 43 Resp: 1947
Ion Ratio Lower Upper
43 100
58 22.1 23.8 35.8#

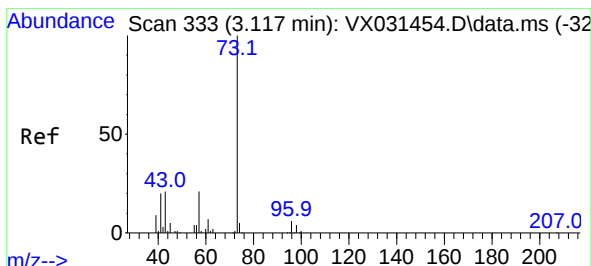
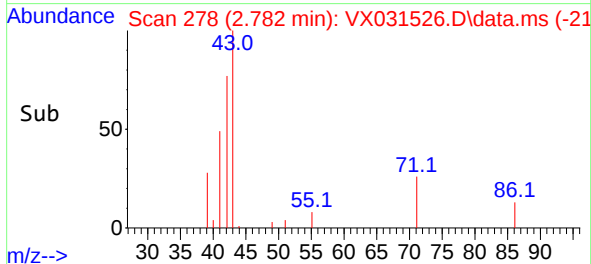
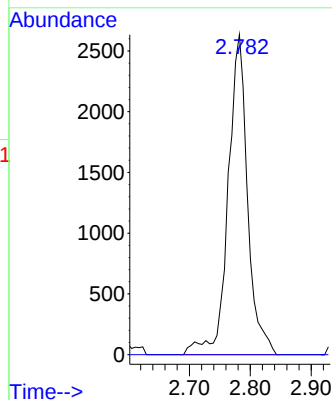
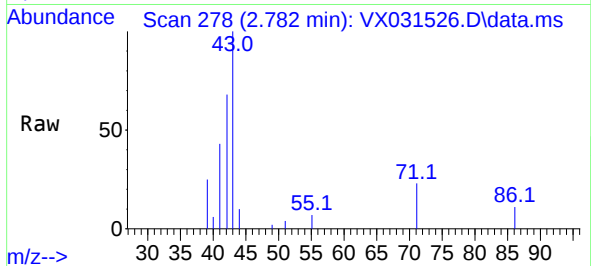




#18
Methyl Acetate
Concen: 2.659 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.073 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

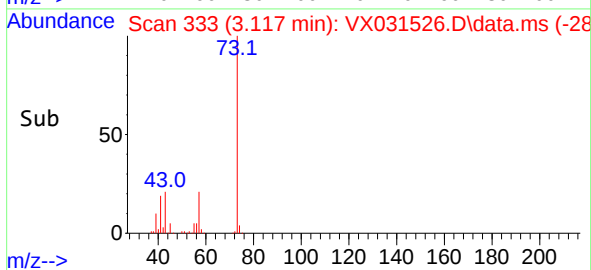
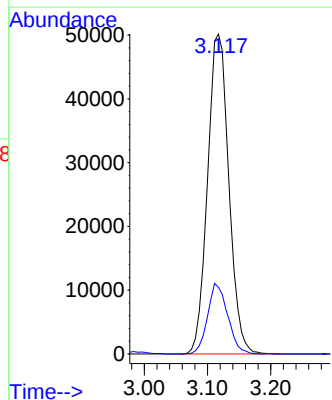
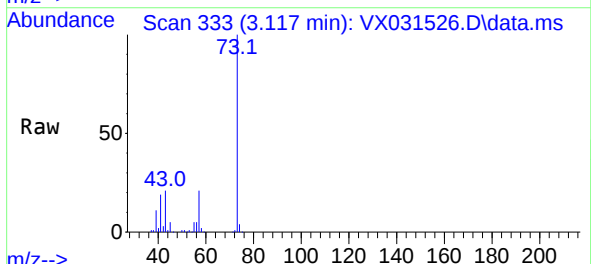
Instrument :
MSVOA_X
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H-3RB

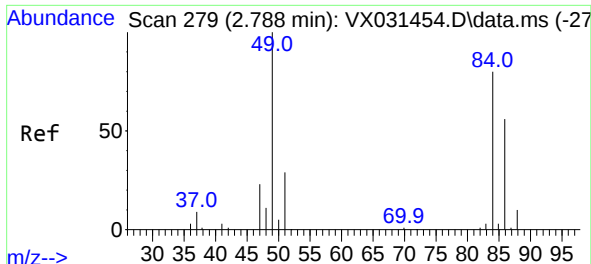
Tgt Ion: 43 Resp: 5856
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#19
Methyl tert-butyl Ether
Concen: 25.927 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Tgt Ion: 73 Resp: 117275
Ion Ratio Lower Upper
73 100
57 20.9 17.2 25.8





#20

Methylene Chloride

Concen: Below Cal

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX031526.D

Acq: 21 Sep 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :

H-3RB

Tgt Ion: 84 Resp: 54

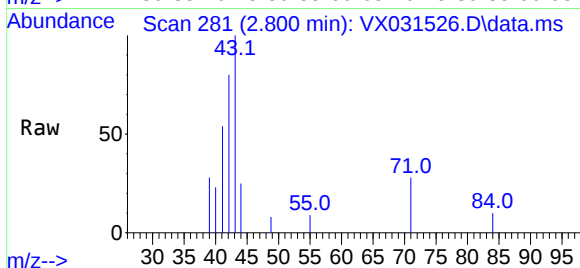
Ion Ratio Lower Upper

84 100

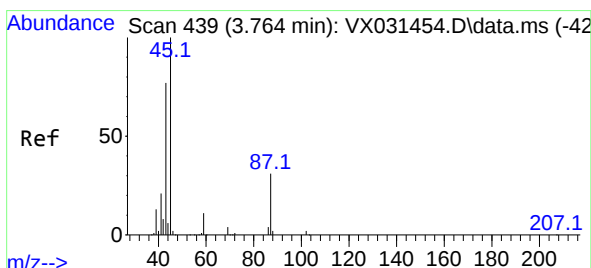
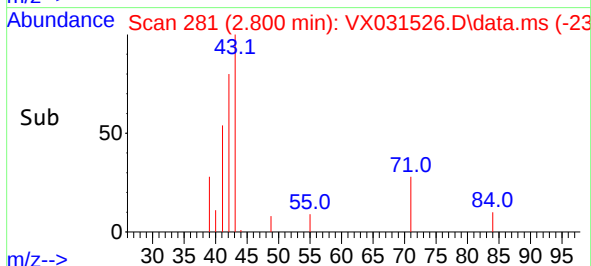
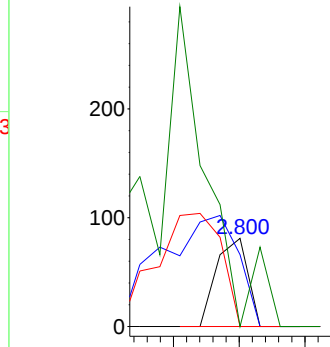
49 81.5 105.9 158.9#

51 0.0 32.2 48.2#

86 0.0 50.8 76.2#



Abundance



#22

Diisopropyl ether

Concen: 0.530 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.007 min

Lab File: VX031526.D

Acq: 21 Sep 2022 15:53

Tgt Ion: 45 Resp: 2342

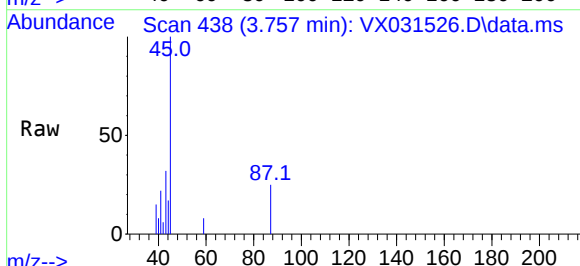
Ion Ratio Lower Upper

45 100

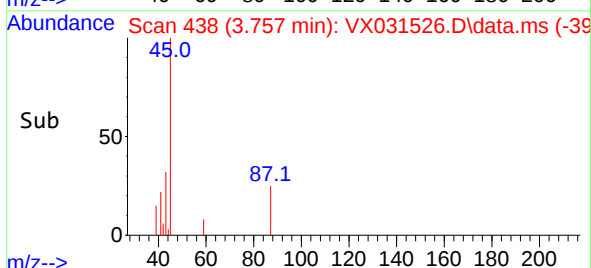
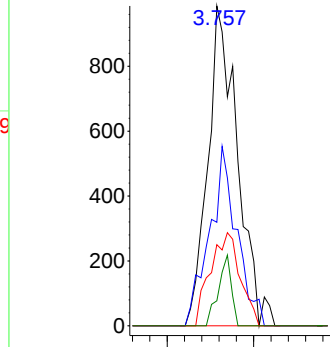
43 32.4 59.0 88.6#

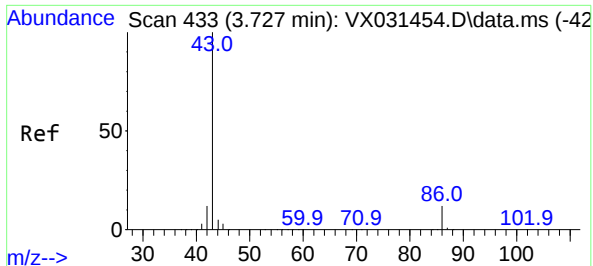
87 25.4 22.6 33.8

59 7.8 8.8 13.2#



Abundance





#23

Vinyl Acetate

Concen: 0.320 ug/l

RT: 3.764 min Scan# 41

Delta R.T. 0.037 min

Lab File: VX031526.D

Acq: 21 Sep 2022 15:53

Instrument :

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ClientSampleId :

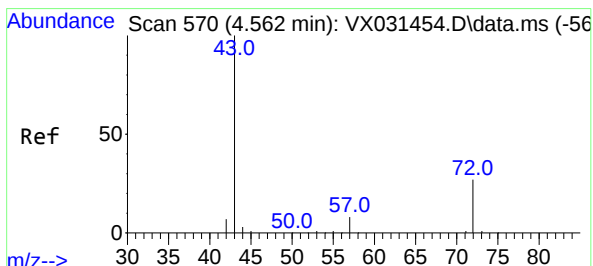
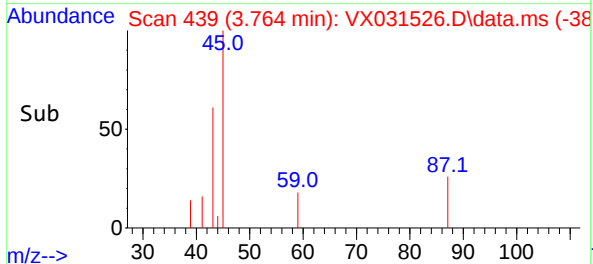
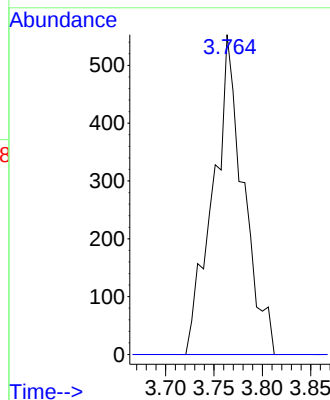
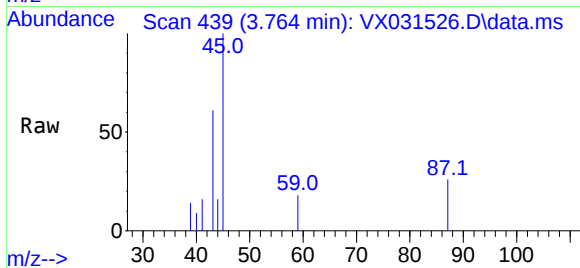
H-3RB

Tgt Ion: 43 Resp: 1208

Ion Ratio Lower Upper

43 100

86 0.0 8.7 13.1#



#25

2-Butanone

Concen: 0.306 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX031526.D

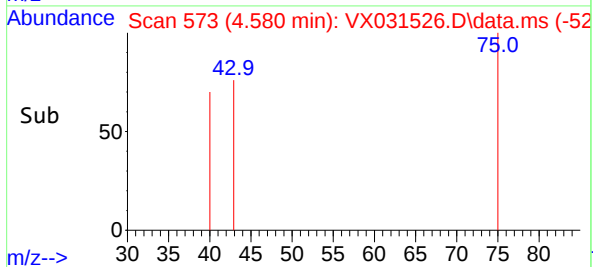
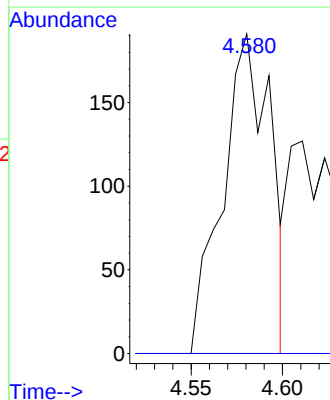
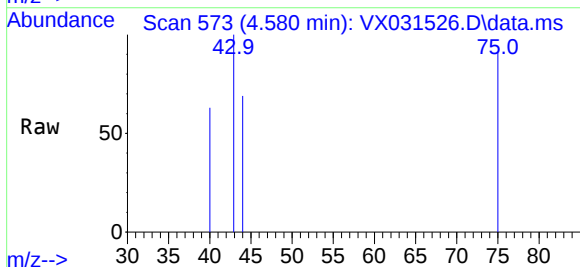
Acq: 21 Sep 2022 15:53

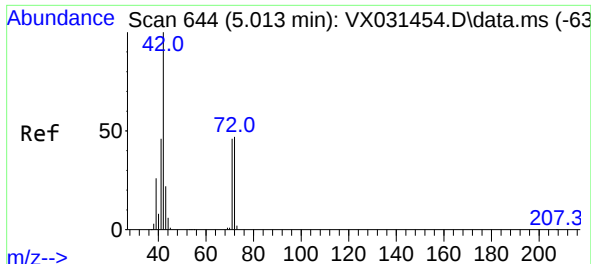
Tgt Ion: 43 Resp: 348

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#





#29

Tetrahydrofuran

Concen: 1.372 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX031526.D

Acq: 21 Sep 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :

H-3RB

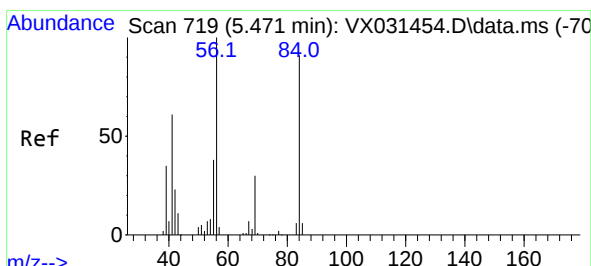
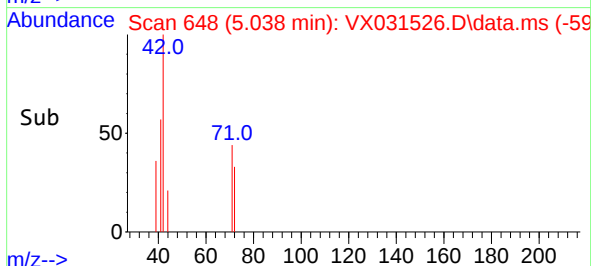
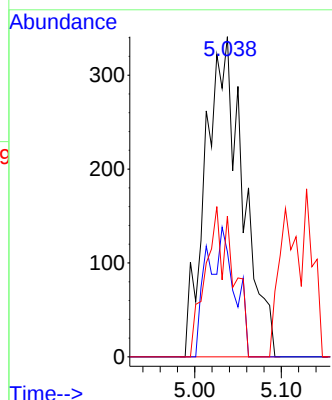
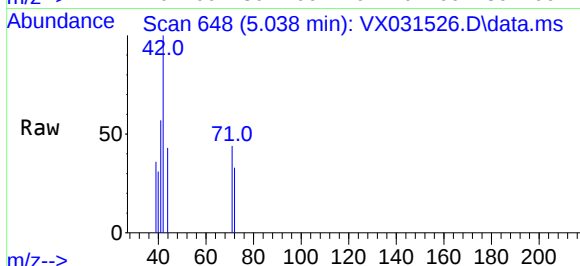
Tgt Ion: 42 Resp: 1018

Ion Ratio Lower Upper

42 100

72 29.7 36.4 54.6#

71 34.6 33.5 50.3



#31

Cyclohexane

Concen: 0.987 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX031526.D

Acq: 21 Sep 2022 15:53

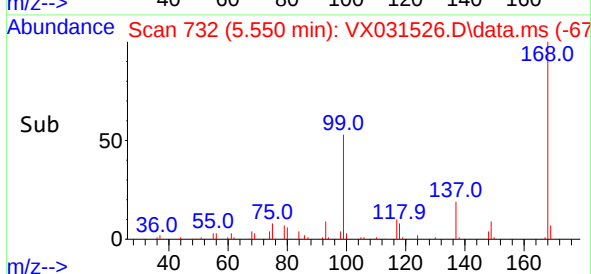
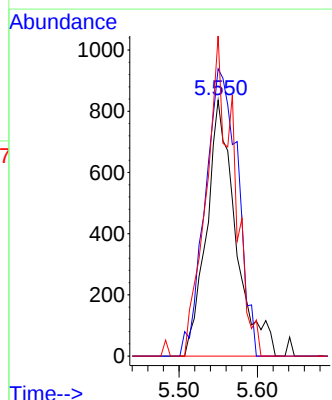
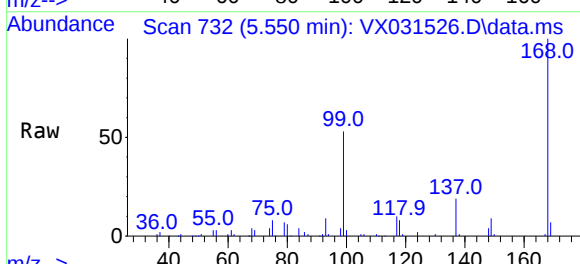
Tgt Ion: 56 Resp: 2158

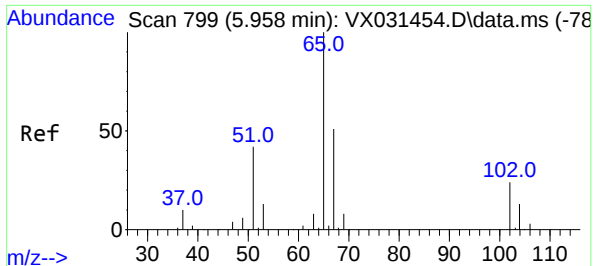
Ion Ratio Lower Upper

56 100

69 112.3 25.1 37.7#

84 125.1 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 59.560 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031526.D

Acq: 21 Sep 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :

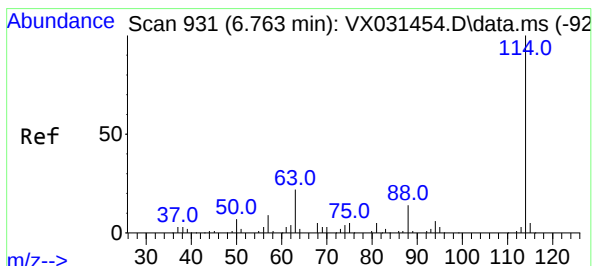
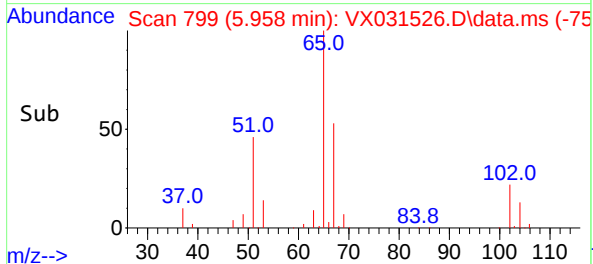
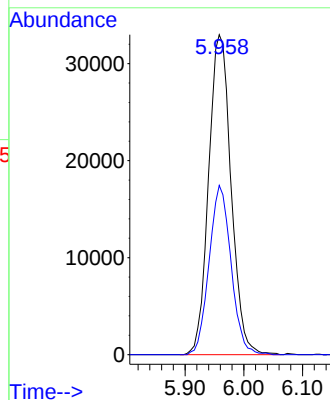
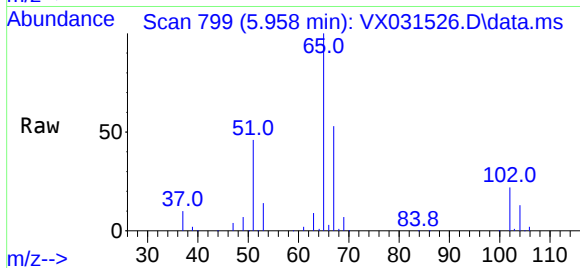
H-3RB

Tgt Ion: 65 Resp: 87623

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031526.D

Acq: 21 Sep 2022 15:53

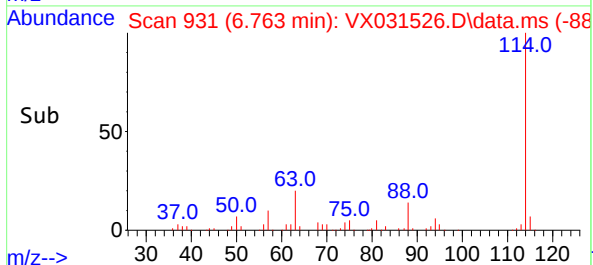
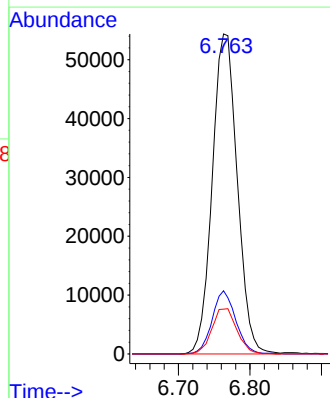
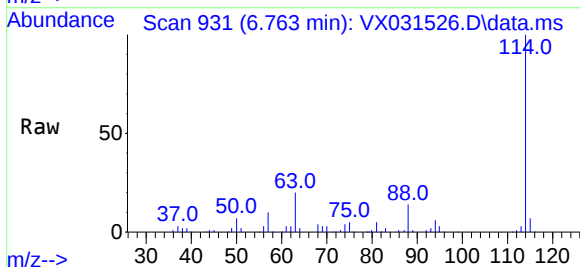
Tgt Ion: 114 Resp: 132064

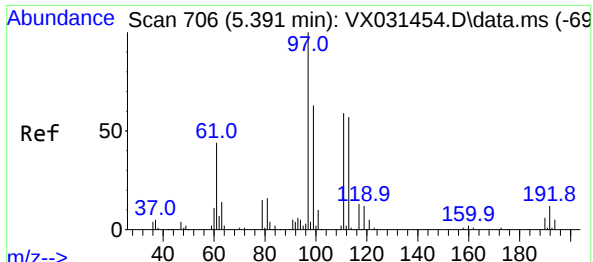
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 14.0 0.0 33.0

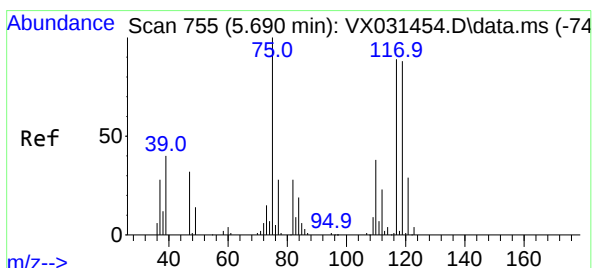
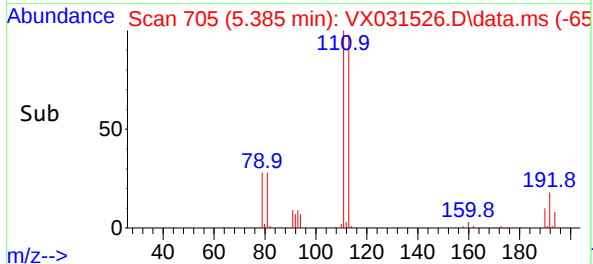
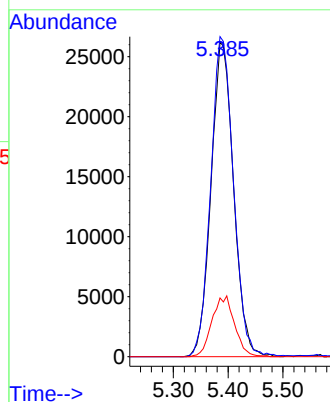
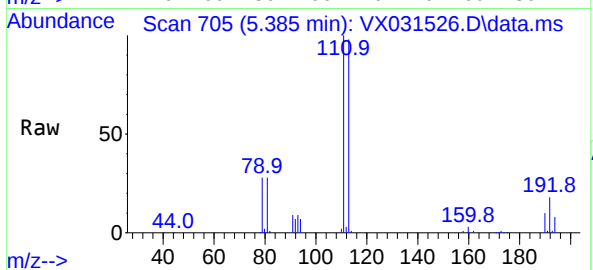




#35
Dibromofluoromethane
Concen: 54.835 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

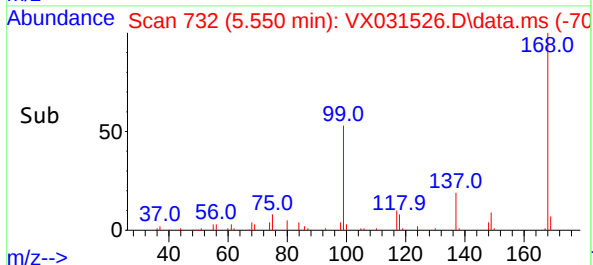
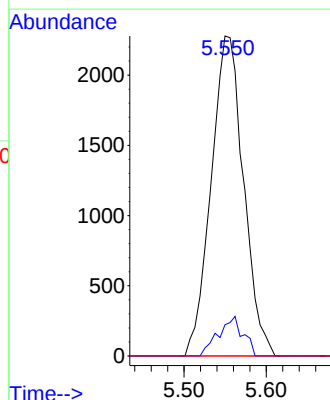
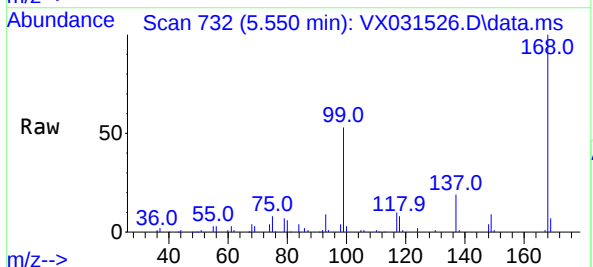
Instrument :
MSVOA_X
ClientSampleId :
H-3RB

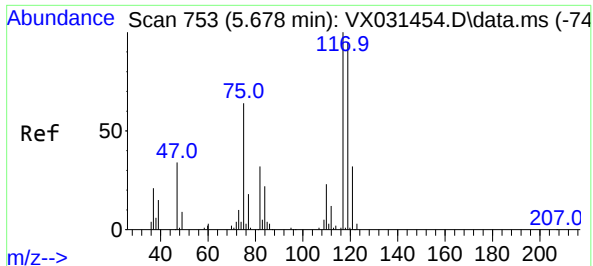
Tgt Ion:	113	Resp:	74755
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	19.4	14.1	21.1



#36
1,1-Dichloropropene
Concen: 2.974 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Tgt Ion:	75	Resp:	6242
Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.5	52.5#
77	0.0	24.9	37.3#

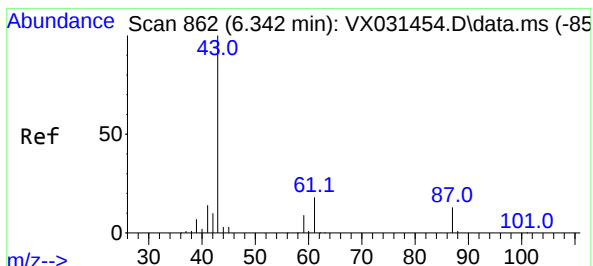
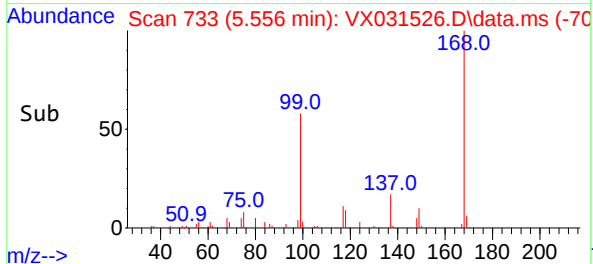
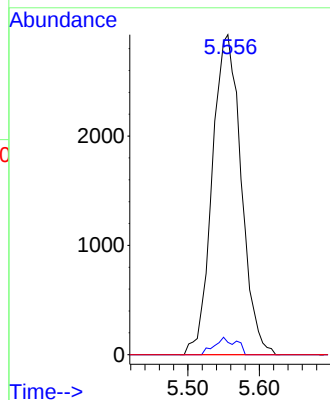
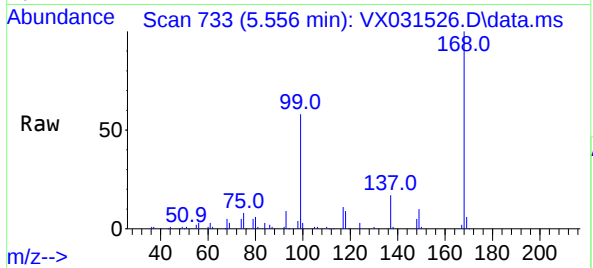




#38
Carbon Tetrachloride
Concen: 3.540 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.122 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

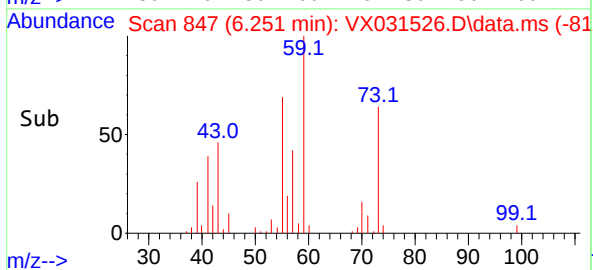
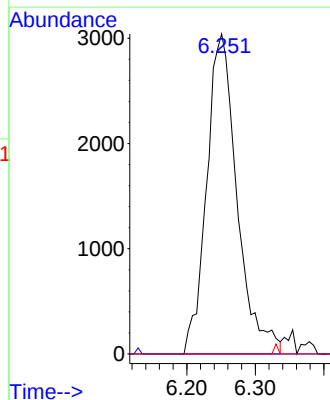
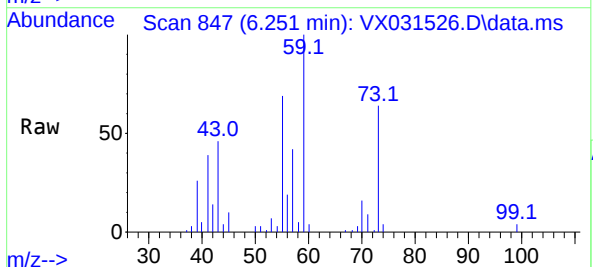
Instrument :
MSVOA_X
ClientSampleId :
H-3RB

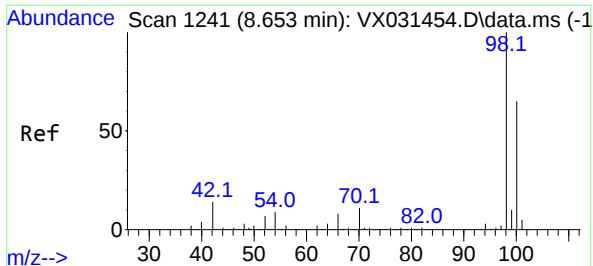
Tgt Ion:117 Resp: 8237
Ion Ratio Lower Upper
117 100
119 3.9 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 2.434 ug/l
RT: 6.251 min Scan# 847
Delta R.T. -0.091 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Tgt Ion: 43 Resp: 9369
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.6 15.8#





#50

Toluene-d8

Concen: 53.862 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031526.D

Acq: 21 Sep 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :

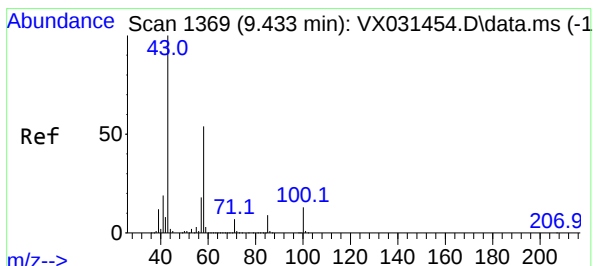
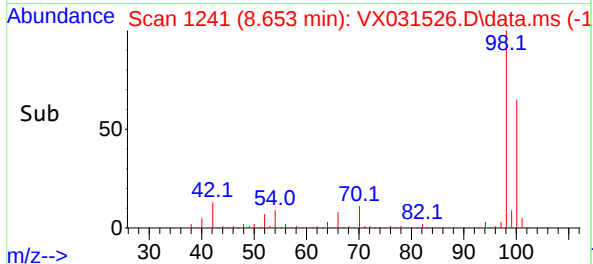
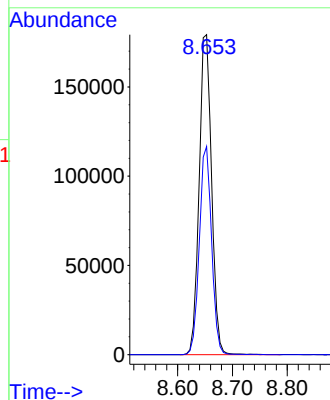
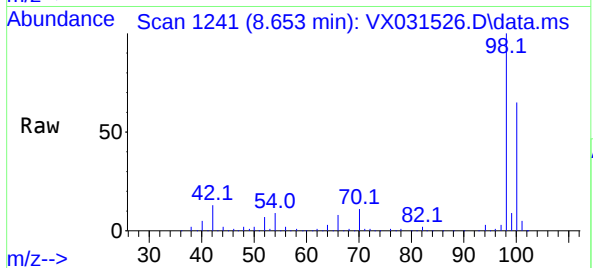
H-3RB

Tgt Ion: 98 Resp: 283400

Ion Ratio Lower Upper

98 100

100 64.0 52.5 78.7



#59

2-Hexanone

Concen: 0.404 ug/l

RT: 9.567 min Scan# 1391

Delta R.T. 0.134 min

Lab File: VX031526.D

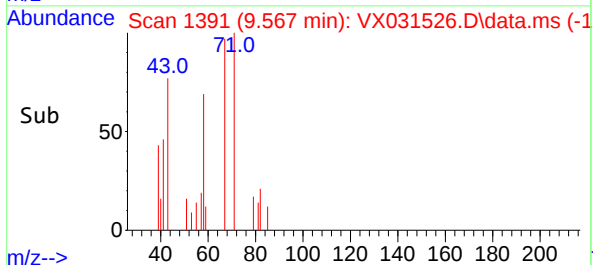
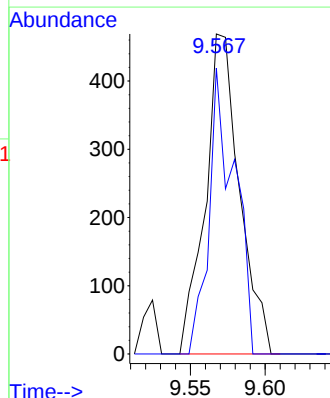
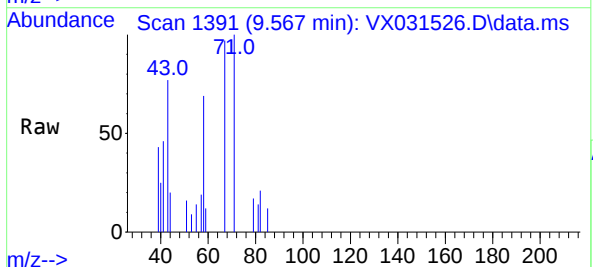
Acq: 21 Sep 2022 15:53

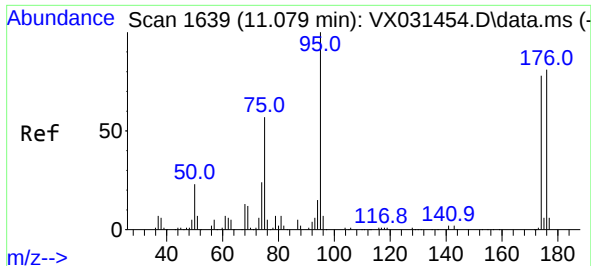
Tgt Ion: 43 Resp: 752

Ion Ratio Lower Upper

43 100

58 66.5 26.7 80.0

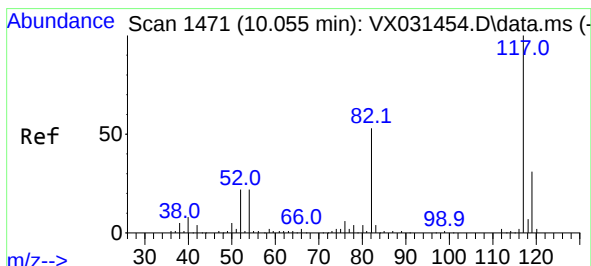
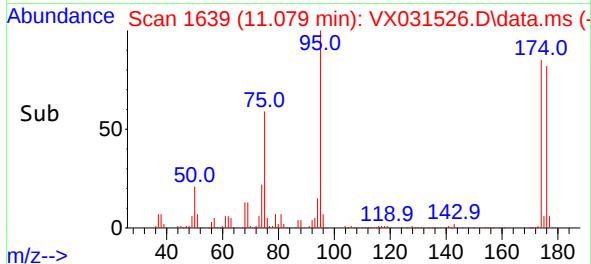
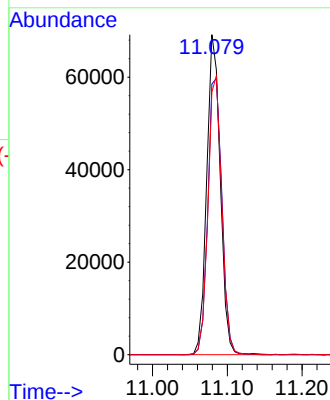
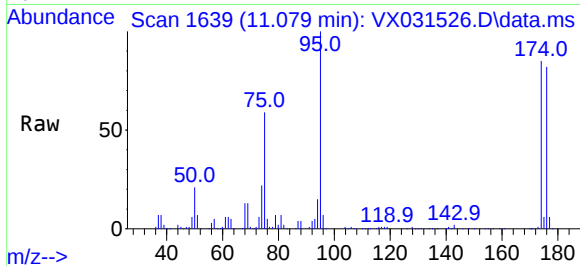




#62
4-Bromofluorobenzene
Concen: 48.777 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

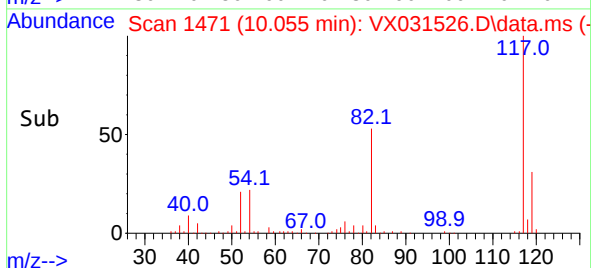
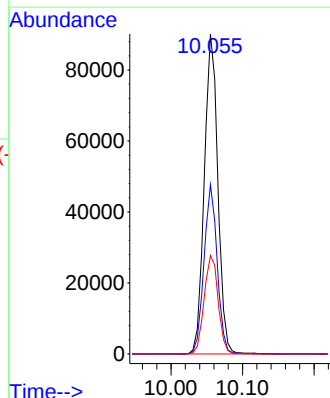
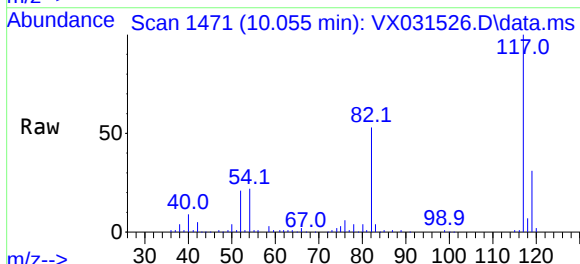
Instrument :
MSVOA_X
ClientSampleId :
H-3RB

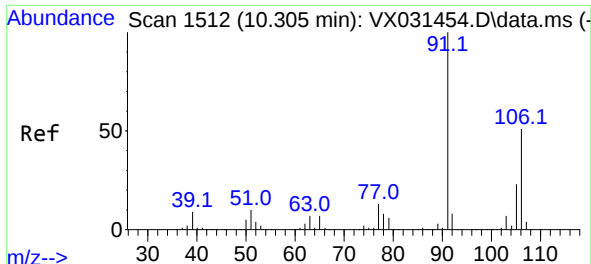
Tgt Ion: 95 Resp: 86932
Ion Ratio Lower Upper
95 100
174 89.9 0.0 153.2
176 88.5 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Tgt Ion: 117 Resp: 118653
Ion Ratio Lower Upper
117 100
82 53.0 46.8 70.2
119 30.8 26.4 39.6

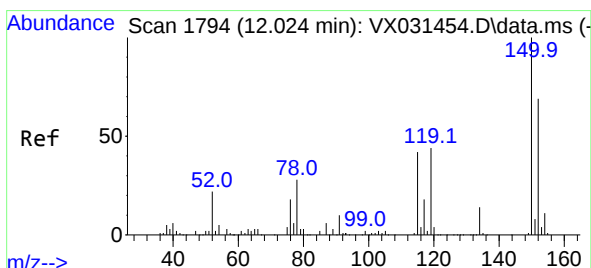
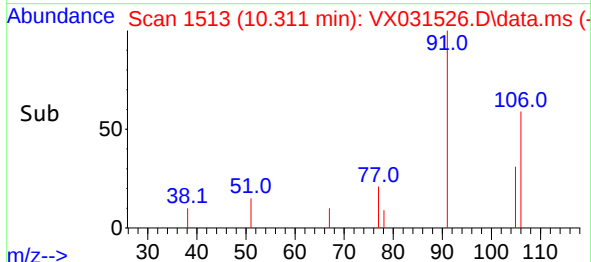
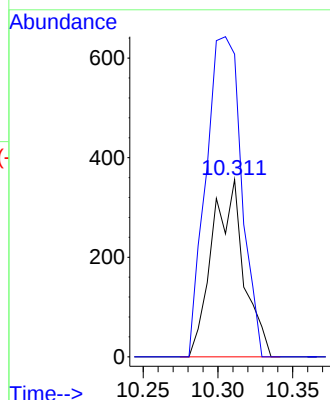
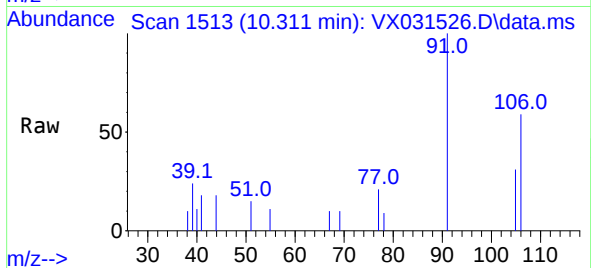




#68
m/p-Xylenes
Concen: 0.202 ug/l
RT: 10.311 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

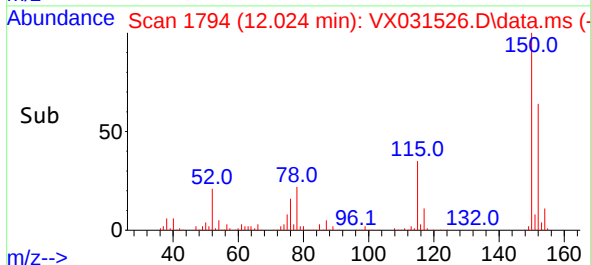
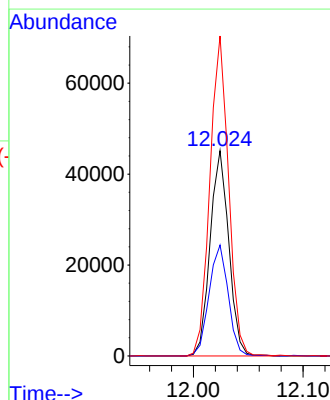
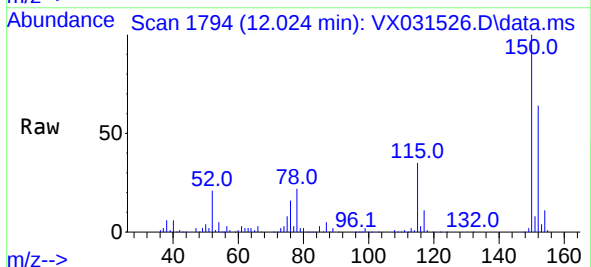
Instrument :
MSVOA_X
ClientSampleId :
H-3RB

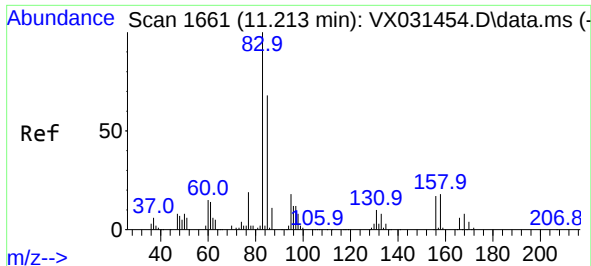
Tgt Ion:106 Resp: 524
Ion Ratio Lower Upper
106 100
91 202.3 161.0 241.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Tgt Ion:152 Resp: 53412
Ion Ratio Lower Upper
152 100
115 55.6 43.4 130.1
150 155.9 0.0 346.8

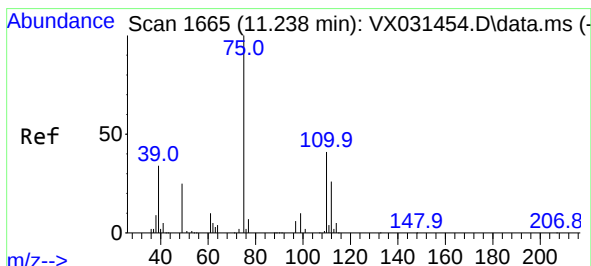
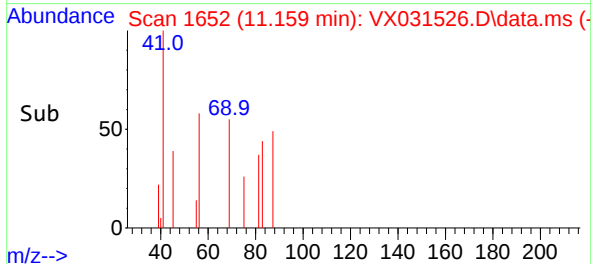
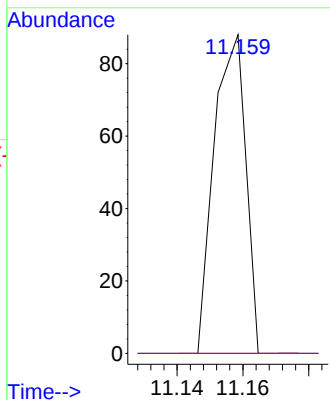
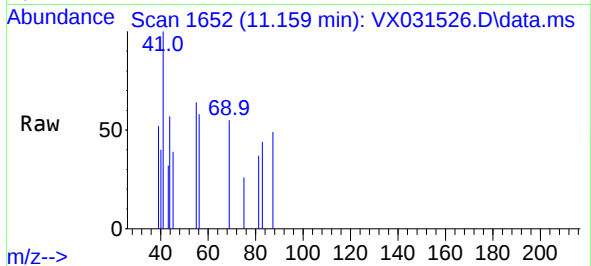




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.159 min Scan# 1639
Delta R.T. -0.054 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

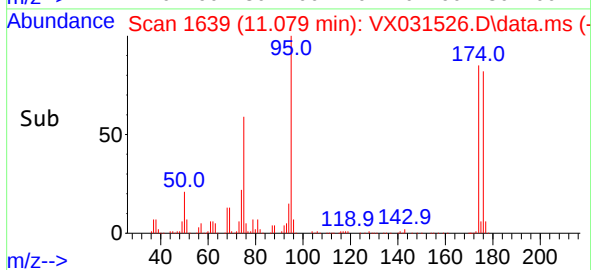
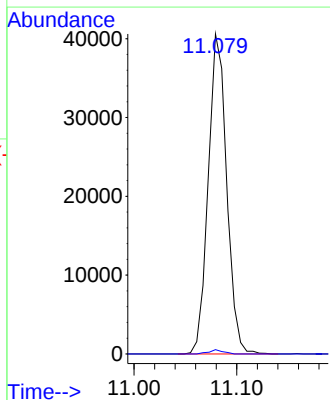
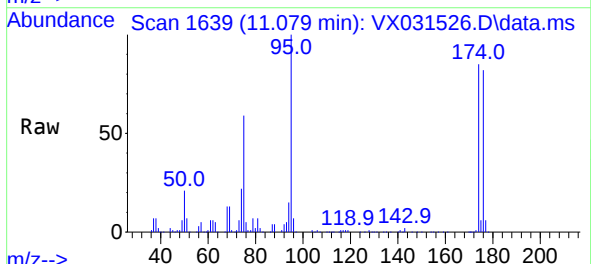
Instrument :
MSVOA_X
ClientSampleId :
H-3RB

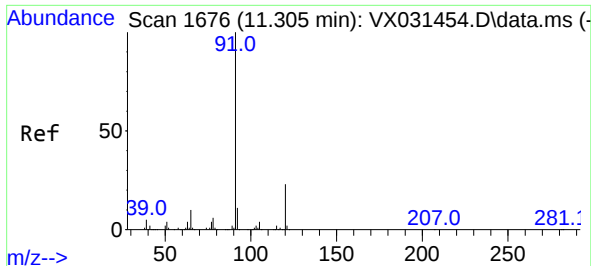
Tgt Ion: 83 Resp: 58
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 42.558 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Tgt Ion: 75 Resp: 50733
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#

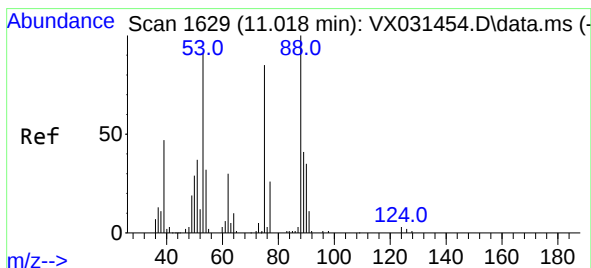
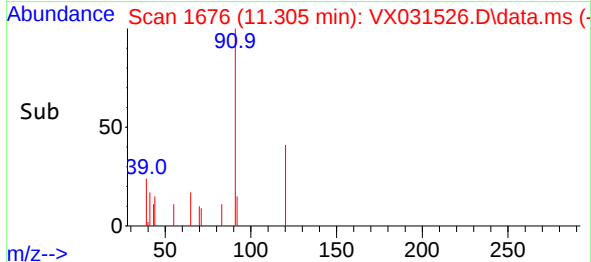
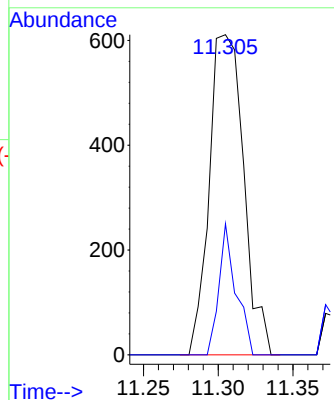
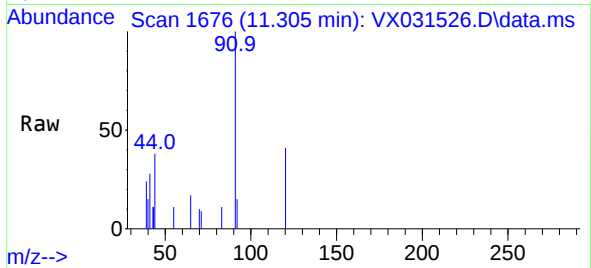




#78
n-propylbenzene
Concen: 0.213 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

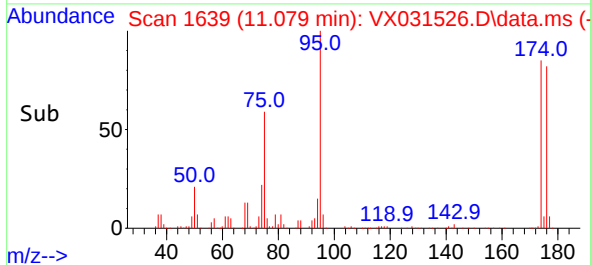
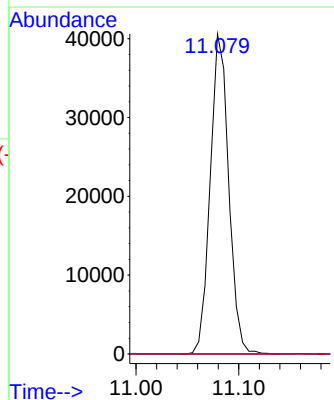
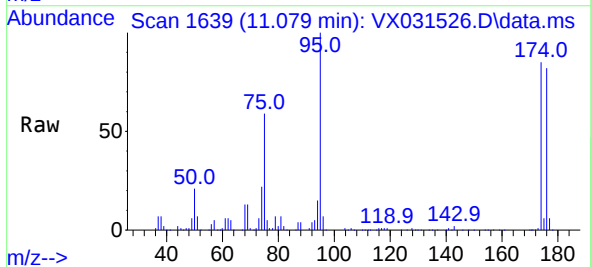
Instrument :
MSVOA_X
ClientSampleId :
H-3RB

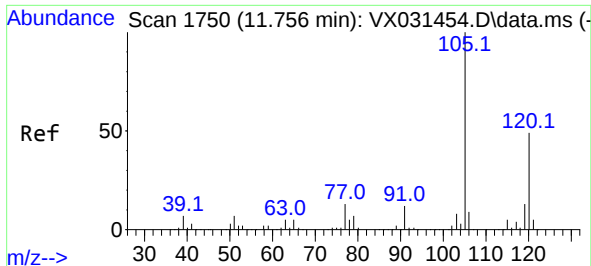
Tgt Ion: 91 Resp: 978
Ion Ratio Lower Upper
91 100
120 20.2 11.8 35.4



#81
trans-1,4-Dichloro-2-butene
Concen: 137.030 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Tgt Ion: 75 Resp: 50733
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

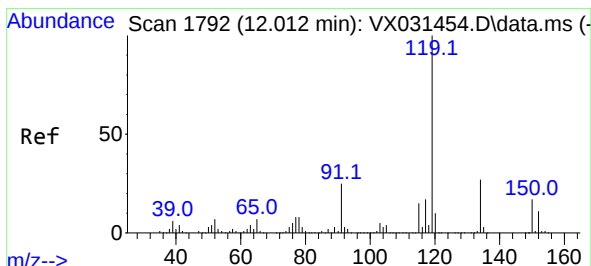
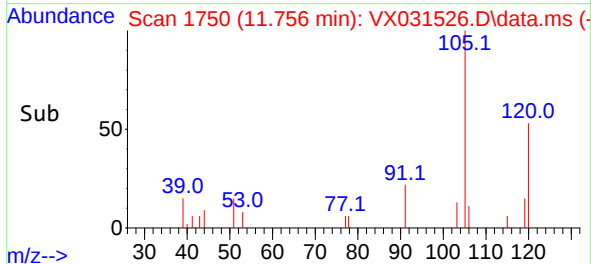
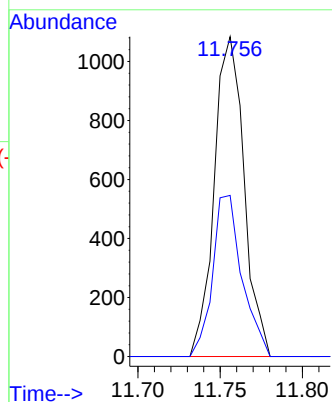
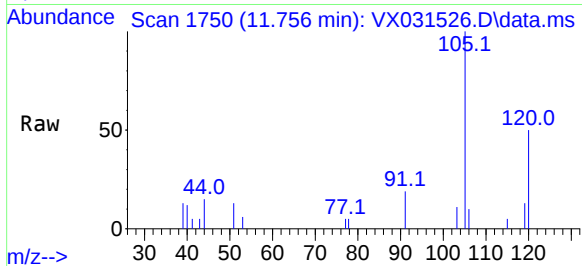




#84
1,2,4-Trimethylbenzene
Concen: 0.410 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

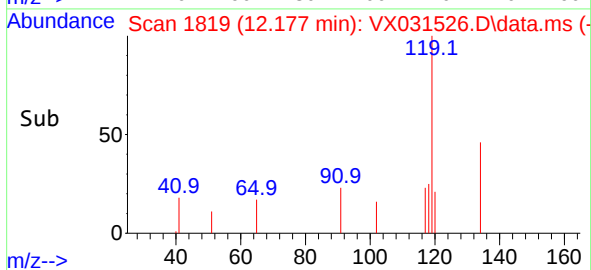
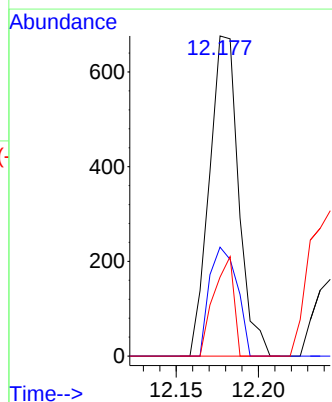
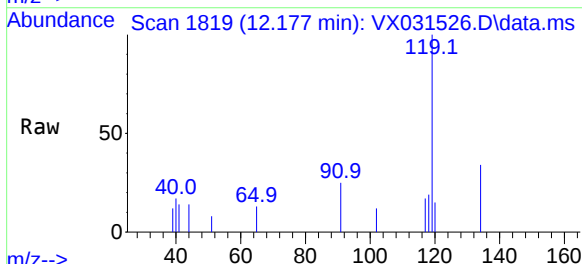
Instrument :
MSVOA_X
ClientSampleId :
H-3RB

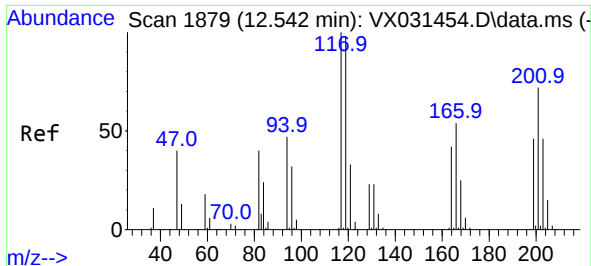
Tgt Ion:105 Resp: 1367
Ion Ratio Lower Upper
105 100
120 49.8 22.6 67.8



#86
p-Isopropyltoluene
Concen: 0.239 ug/l
RT: 12.177 min Scan# 1819
Delta R.T. 0.165 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Tgt Ion:119 Resp: 839
Ion Ratio Lower Upper
119 100
134 32.1 13.4 40.2
91 21.1 12.4 37.2

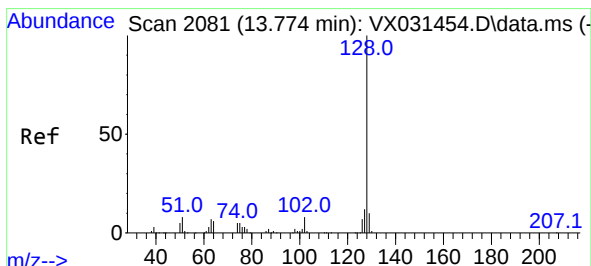
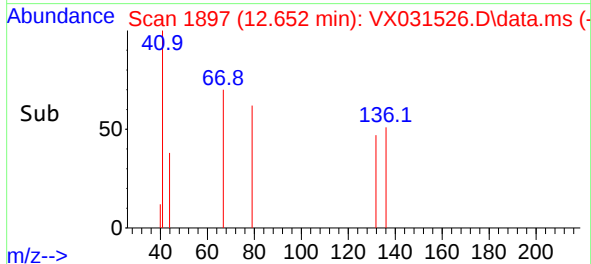
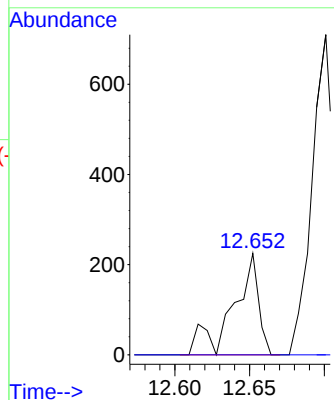
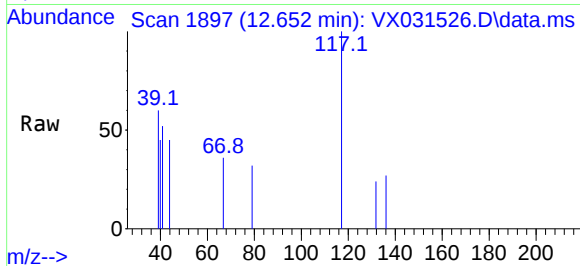




#90
Hexachloroethane
Concen: 0.448 ug/l
RT: 12.652 min Scan# 1897
Delta R.T. 0.110 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Instrument :
MSVOA_X
ClientSampleId :
H-3RB

Tgt Ion:117 Resp: 270
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#



#95
Naphthalene
Concen: 0.917 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Tgt Ion:128 Resp: 3510
Ion Ratio Lower Upper
128 100
127 12.3 10.4 15.6
129 14.5 8.8 13.2#

