

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 :

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)

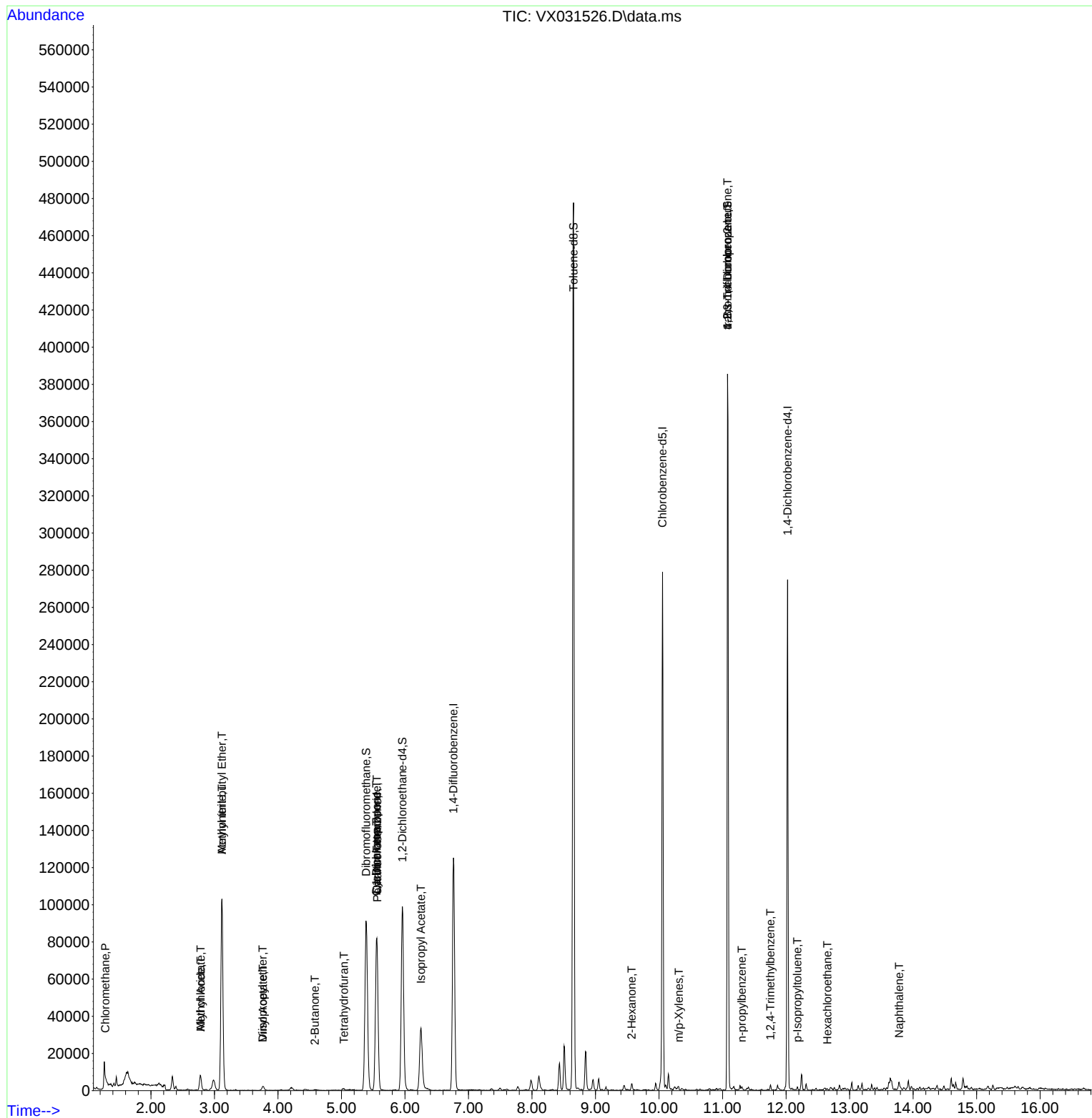
Internal Standards						
1) Pentafluorobenzene	5.562	168	80348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	132064	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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

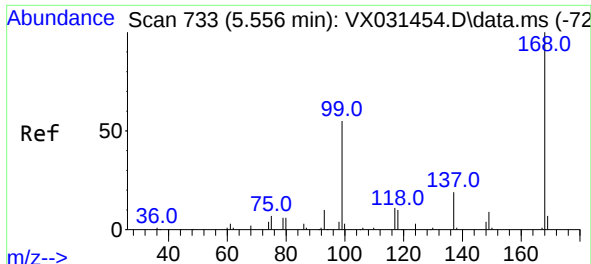
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
Data File : VX031526.D
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Instrument :
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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

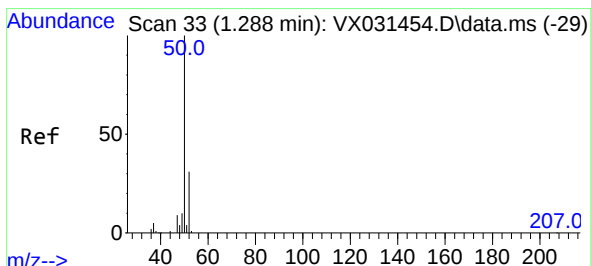
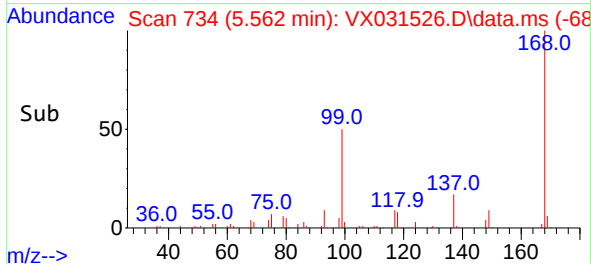
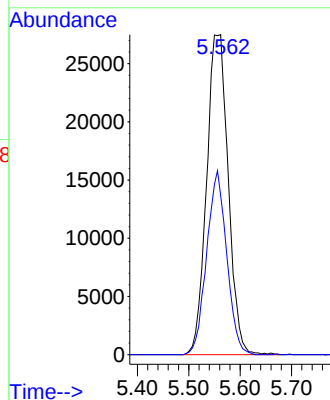
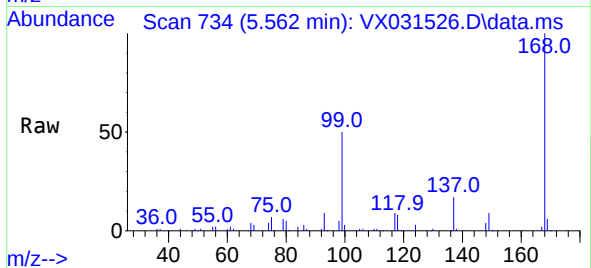




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

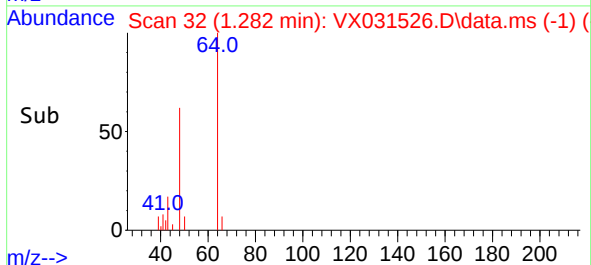
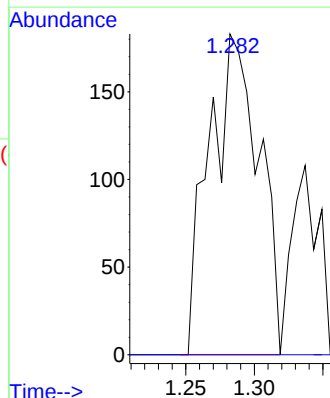
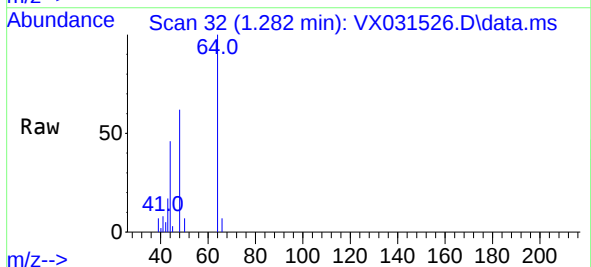
Instrument :
MSVOA_X
ClientSampleId :

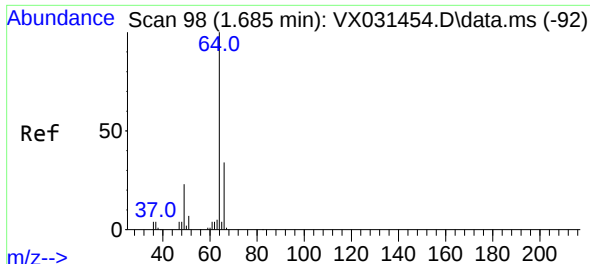
Tgt Ion:168 Resp: 80348
Ion Ratio Lower Upper
168 100
99 49.7 48.8 73.2



#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#

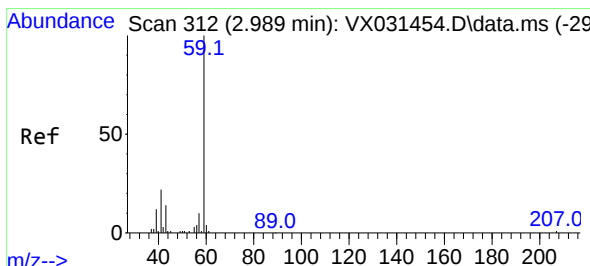
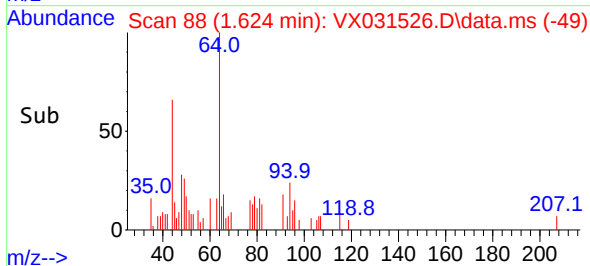
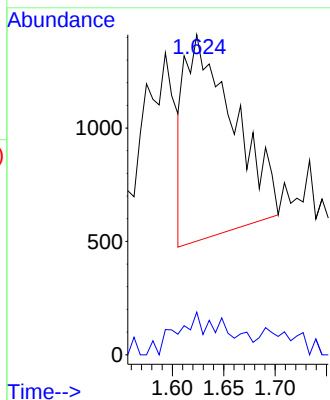
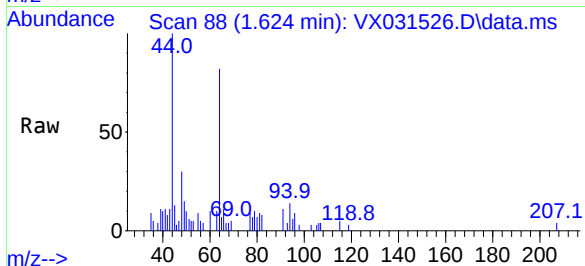




#6
Chloroethane
Concen: Below Cal
RT: 1.624 min Scan# 81
Delta R.T. -0.061 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

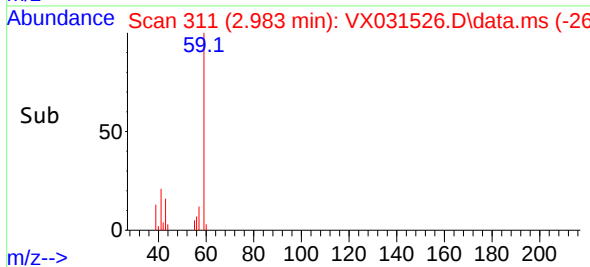
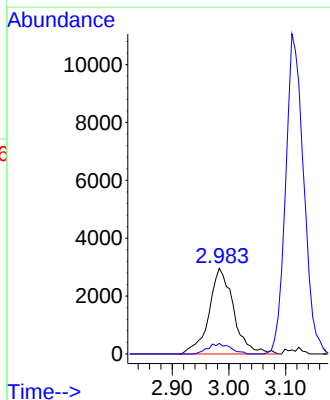
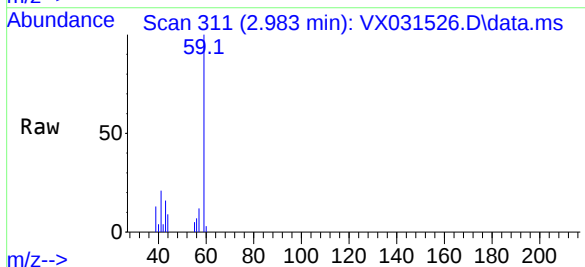
Instrument :
MSVOA_X
ClientSampleId :

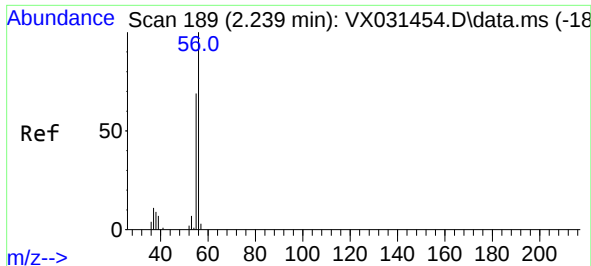
Tgt Ion: 64 Resp: 2982
Ion Ratio Lower Upper
64 100
66 13.5 25.0 37.4#



#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

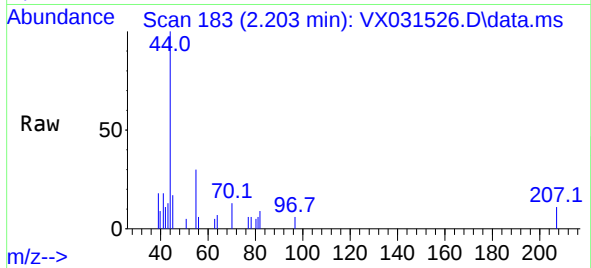
Tgt Ion: 59 Resp: 8926
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



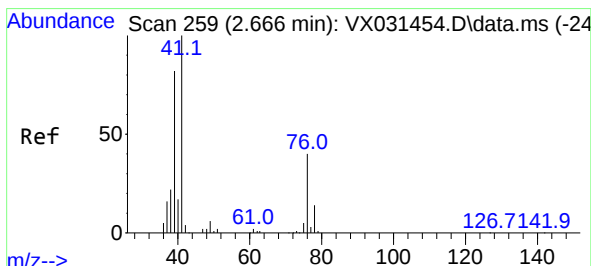
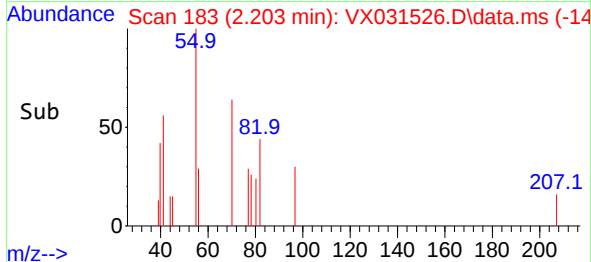
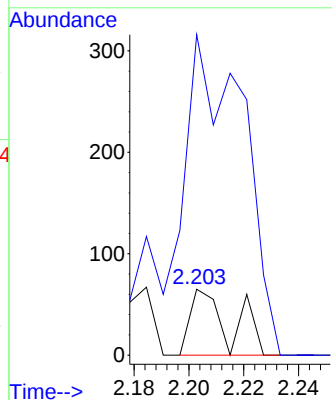


#13
Acrolein
Concen: Below Cal
RT: 2.203 min Scan# 11
Delta R.T. -0.036 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Instrument :
MSVOA_X
ClientSampleId :

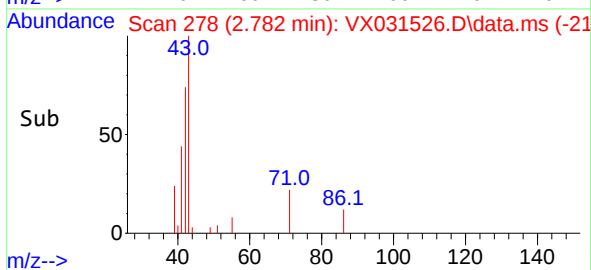
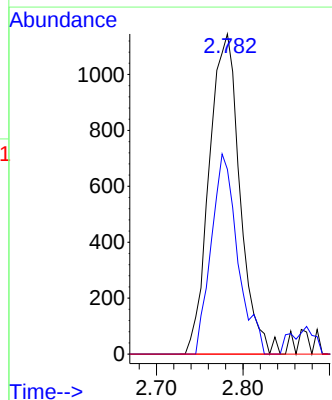
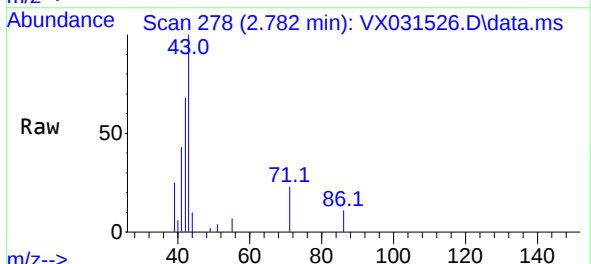


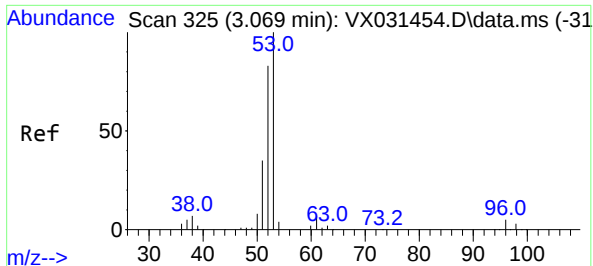
Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 874.2 56.0 84.0#



#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

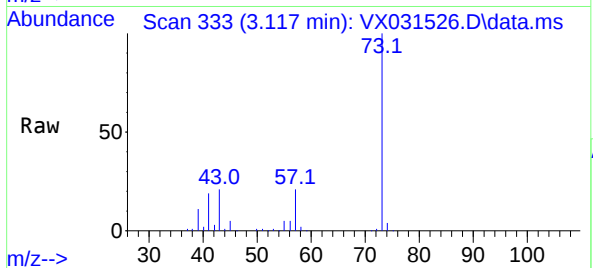
Tgt Ion: 41 Resp: 2816
Ion Ratio Lower Upper
41 100
39 54.0 58.2 87.4#
76 0.0 26.9 40.3#



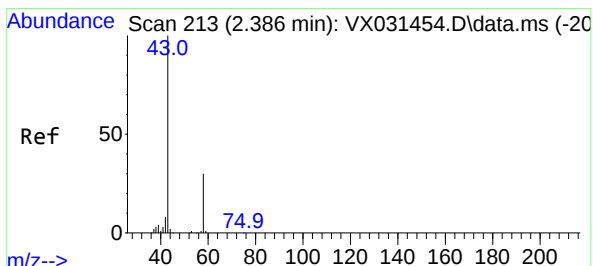
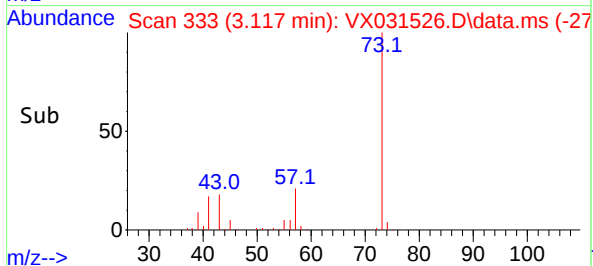
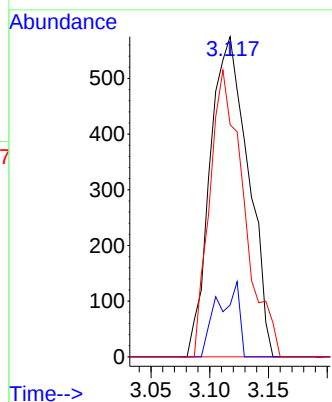


#15
Acrylonitrile
Concen: 1.674 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.048 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Instrument :
MSVOA_X
ClientSampleId :

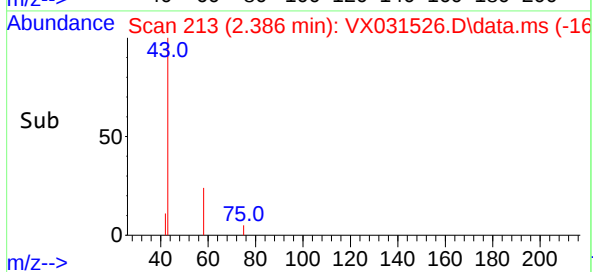
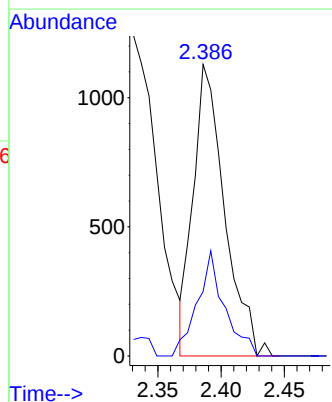
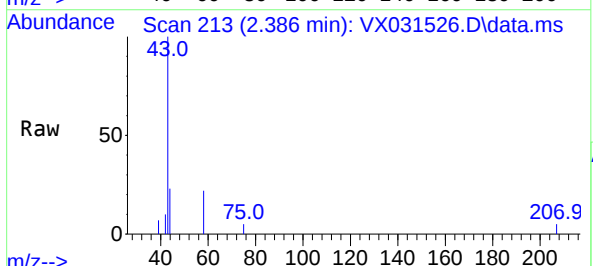


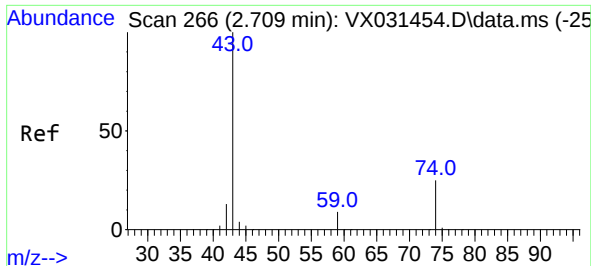
Tgt Ion: 53 Resp: 1298
Ion Ratio Lower Upper
53 100
52 13.3 66.9 100.3#
51 80.1 30.0 45.0#



#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

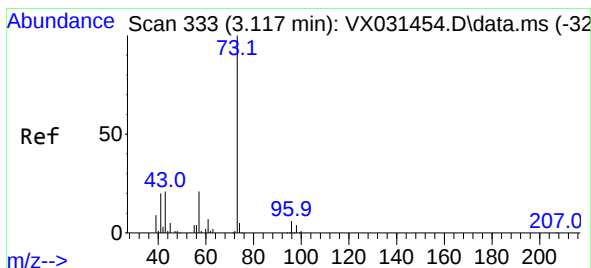
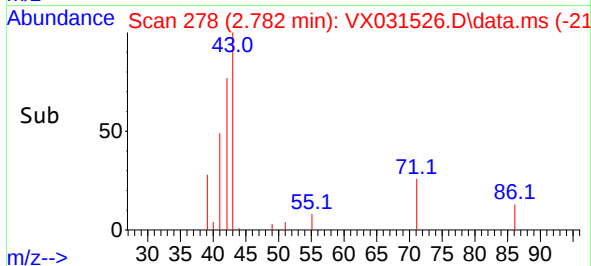
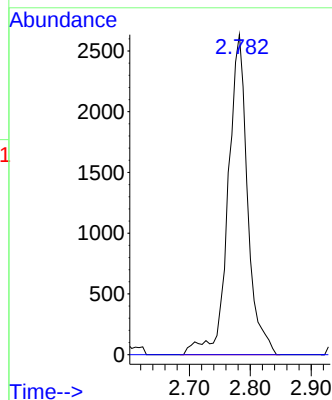
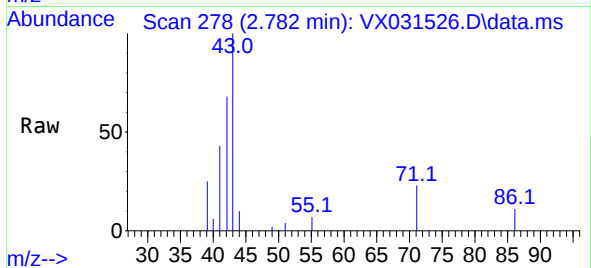
ClientSampleId :

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

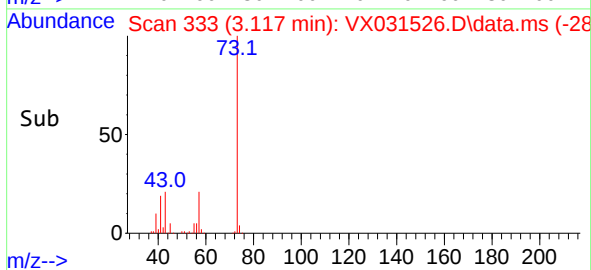
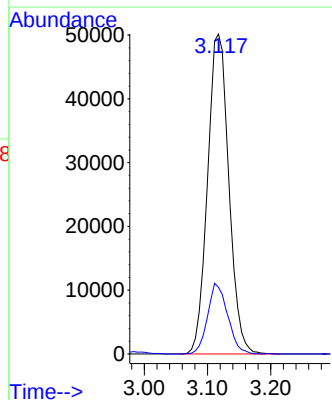
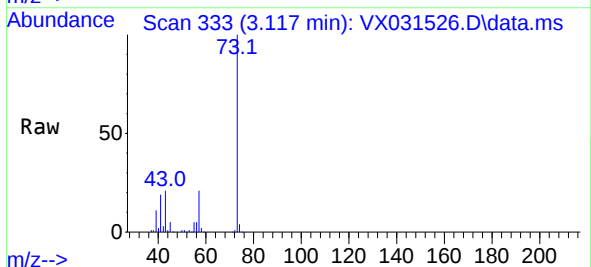
Acq: 21 Sep 2022 15:53

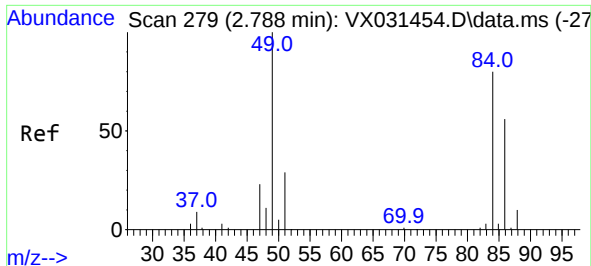
Tgt Ion: 73 Resp: 117275

Ion Ratio Lower Upper

73 100

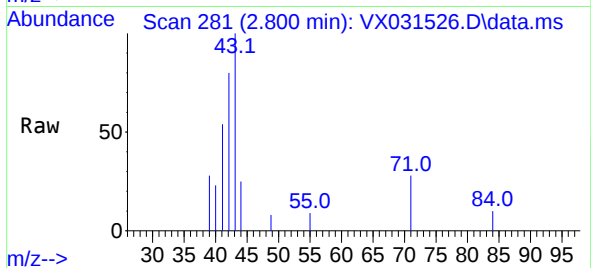
57 20.9 17.2 25.8



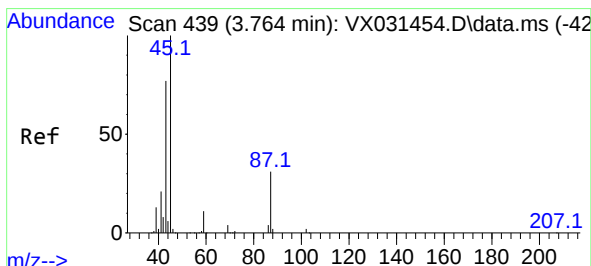
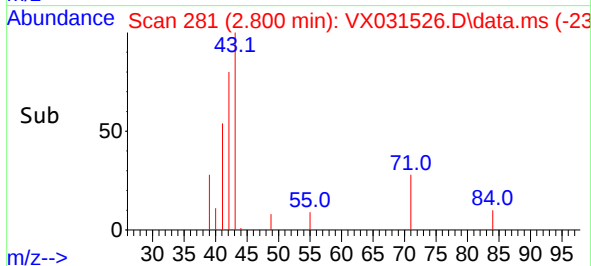
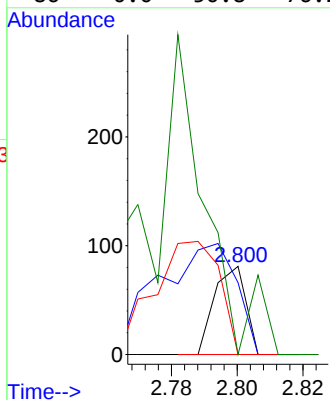


#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Instrument :
MSVOA_X
ClientSampleId :

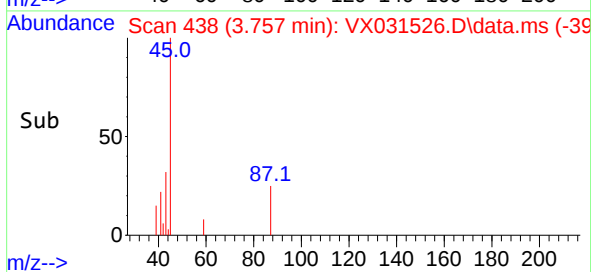
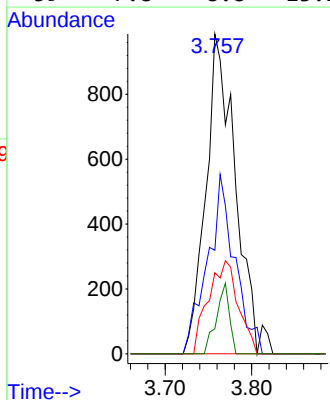
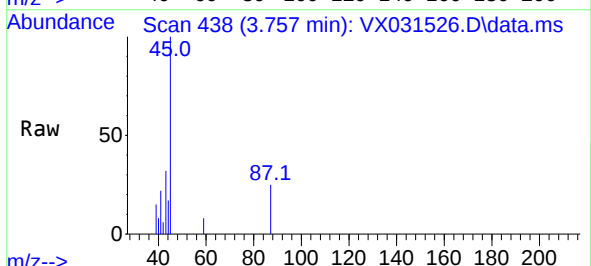


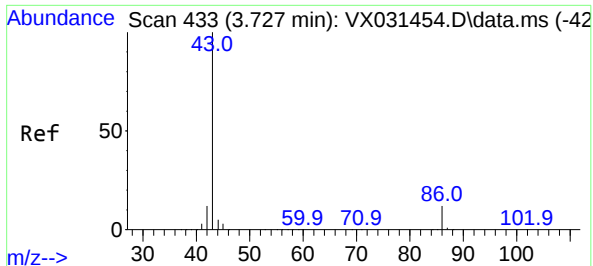
Tgt Ion: 84 Resp: 54
Ion Ratio Lower Upper
84 100
49 81.5 105.9 158.9#
51 0.0 32.2 48.2#
86 0.0 50.8 76.2#



#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#

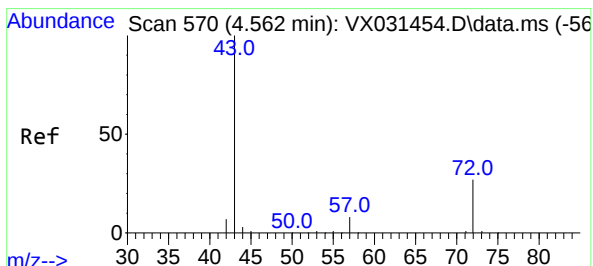
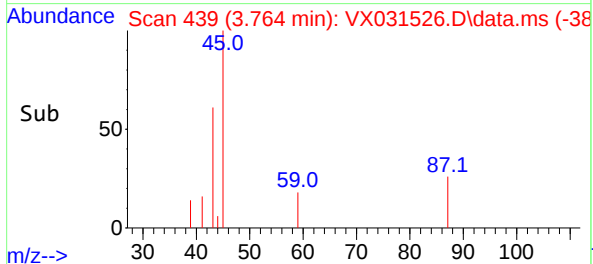
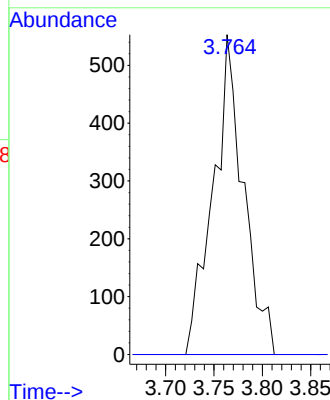
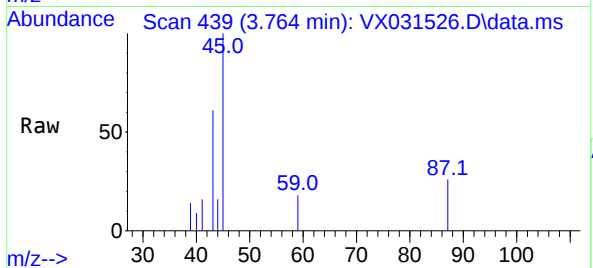




#23
 Vinyl Acetate
 Concen: 0.320 ug/l
 RT: 3.764 min Scan# 41
 Delta R.T. 0.037 min
 Lab File: VX031526.D
 Acq: 21 Sep 2022 15:53

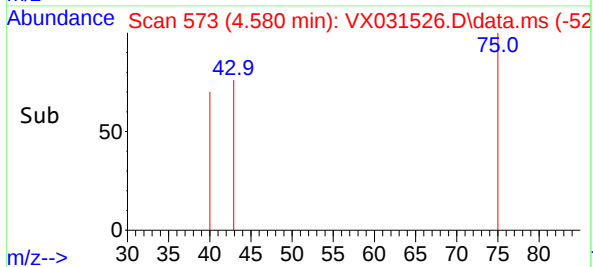
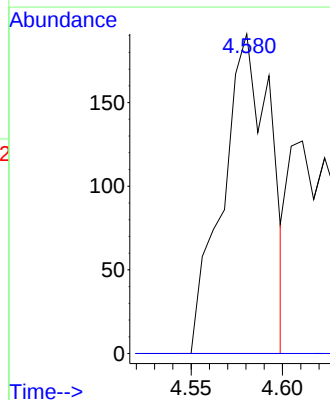
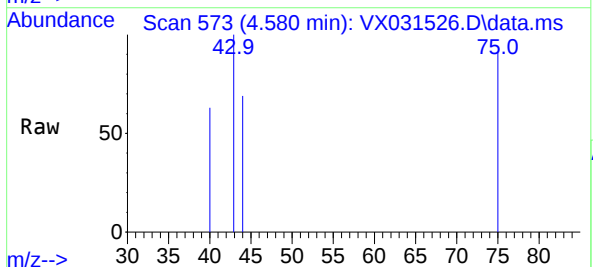
Instrument :
 MSVOA_X
 ClientSampleId :

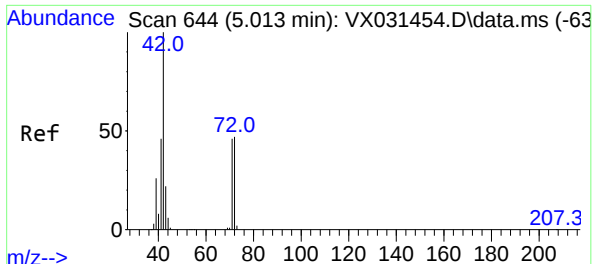
Tgt Ion: 43 Resp: 1208
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.7 13.1#



#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

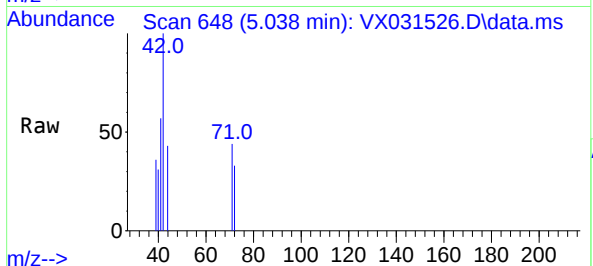
Lab File: VX031526.D

Acq: 21 Sep 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :



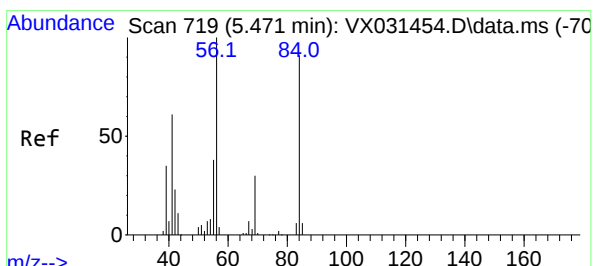
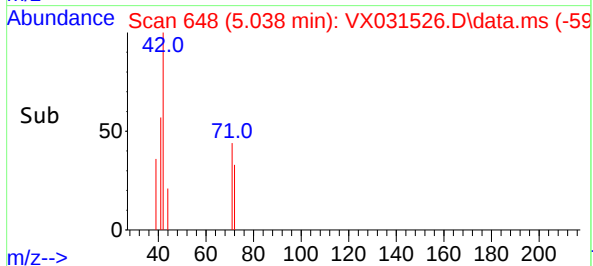
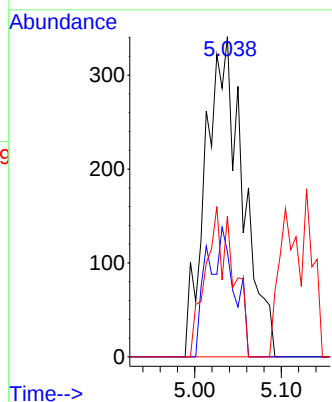
Tgt Ion: 42 Resp: 1018

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

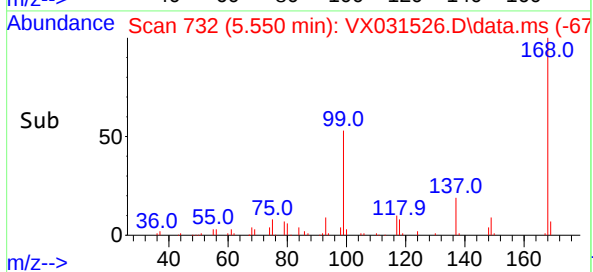
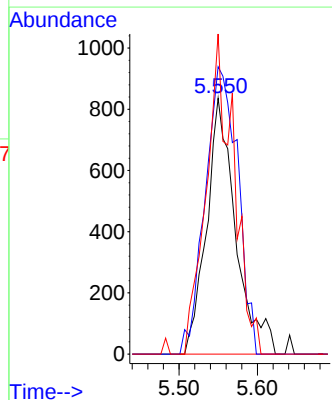
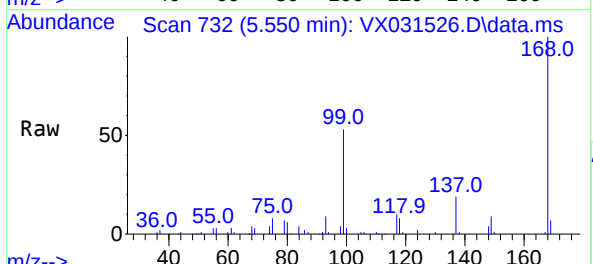
Tgt Ion: 56 Resp: 2158

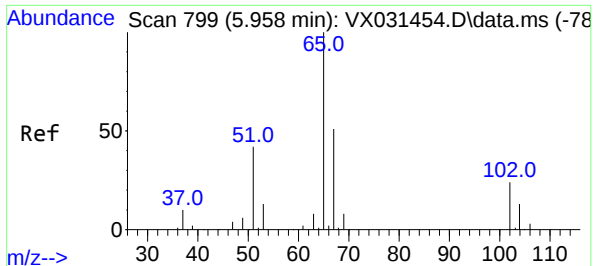
Ion Ratio Lower Upper

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

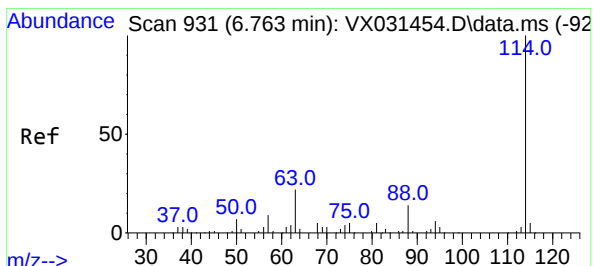
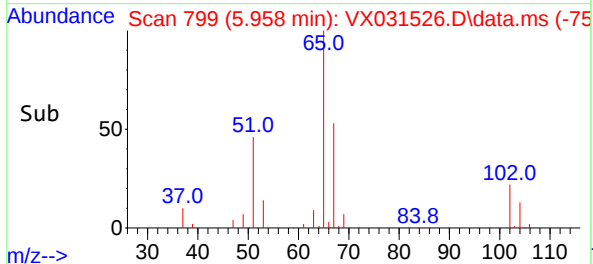
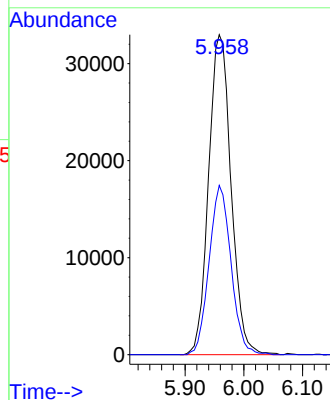
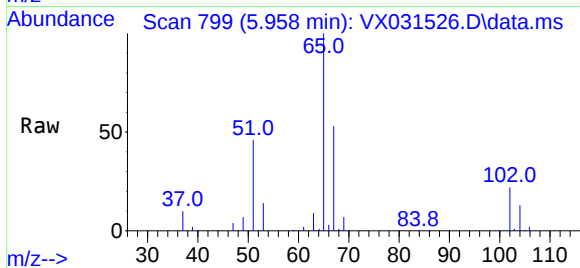
ClientSampleId :

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

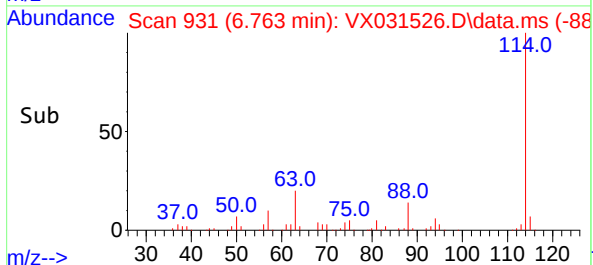
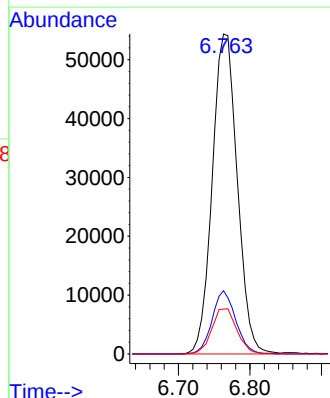
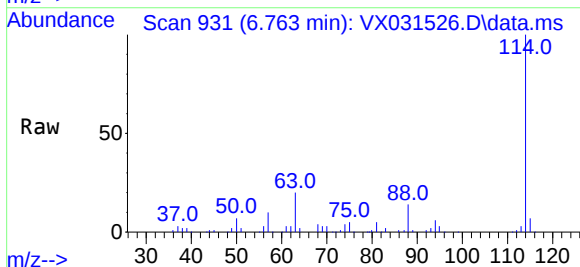
Tgt Ion: 114 Resp: 132064

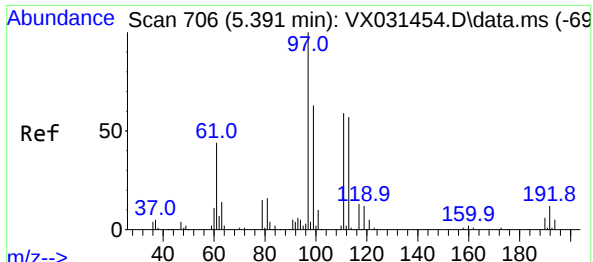
Ion Ratio Lower Upper

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

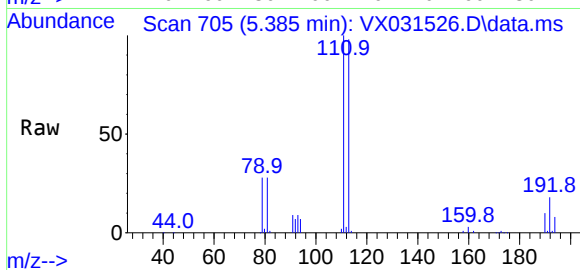
Lab File: VX031526.D

Acq: 21 Sep 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :



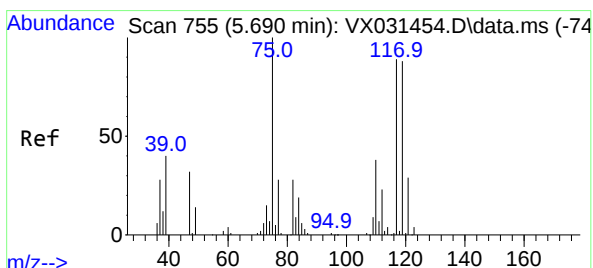
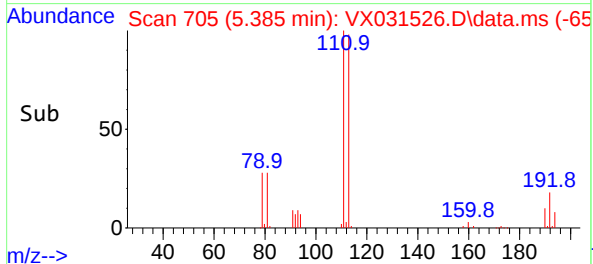
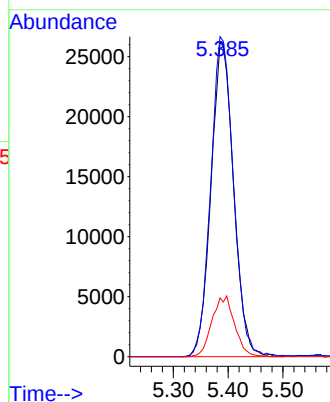
Tgt Ion:113 Resp: 74755

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

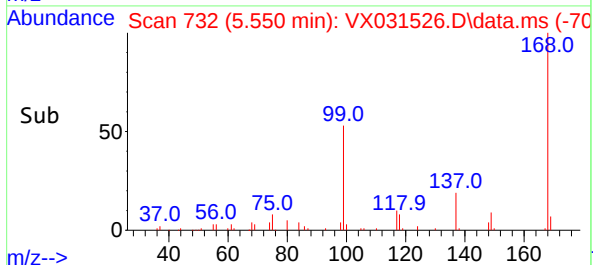
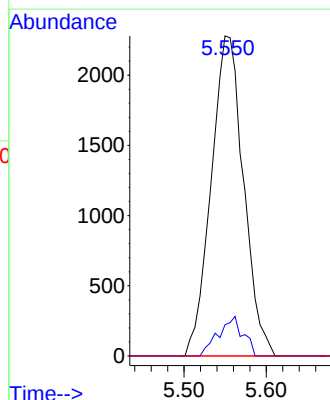
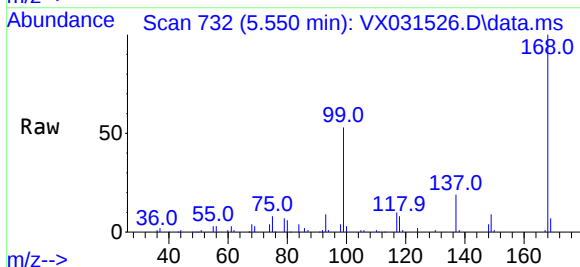
Tgt Ion: 75 Resp: 6242

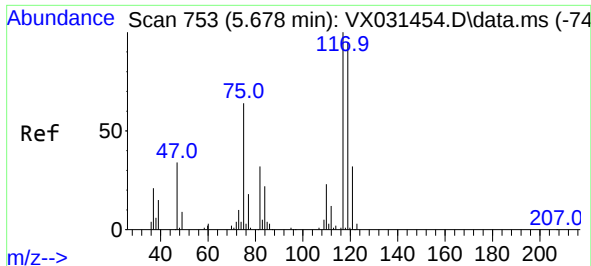
Ion Ratio Lower Upper

75 100

110 9.4 17.5 52.5#

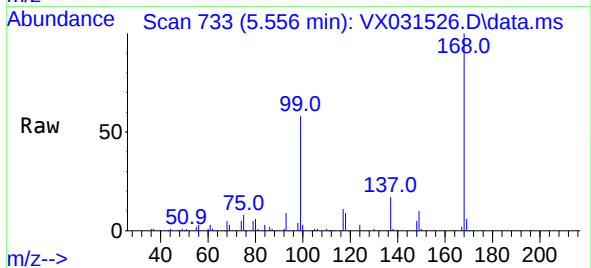
77 0.0 24.9 37.3#



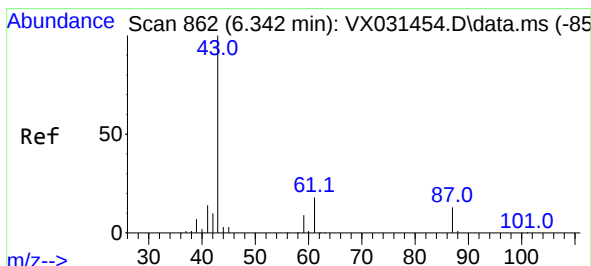
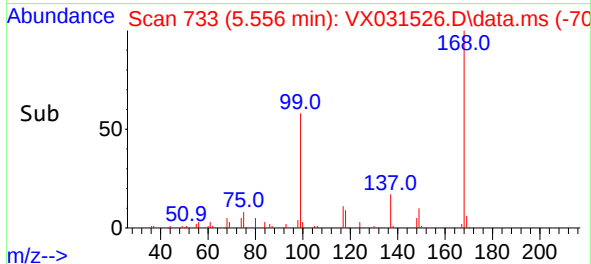
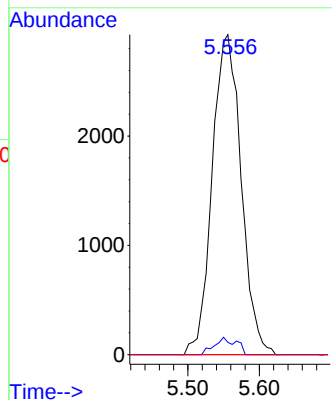


#38
Carbon Tetrachloride
Concen: 3.540 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Instrument :
MSVOA_X
ClientSampleId :

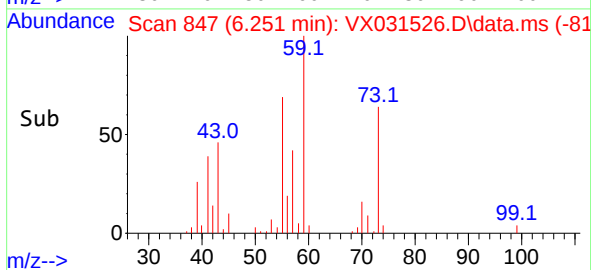
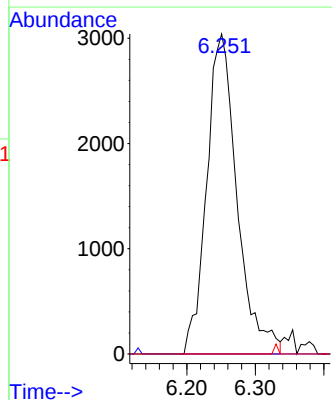
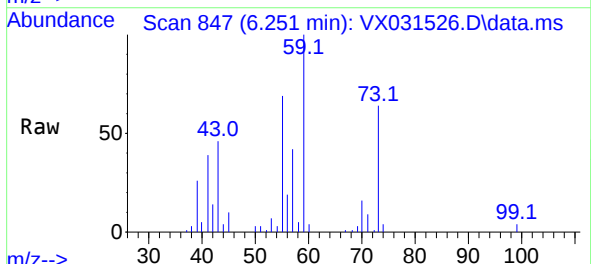


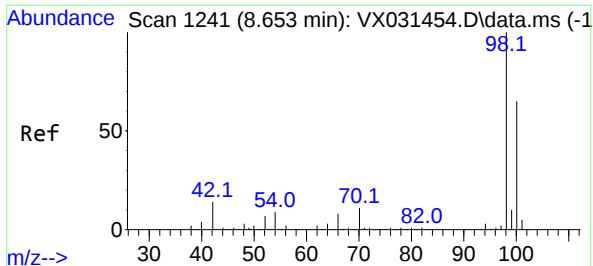
Tgt Ion:117 Resp: 8237
Ion Ratio Lower Upper
117 100
119 3.9 74.6 112.0#
121 0.0 25.3 37.9#



#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

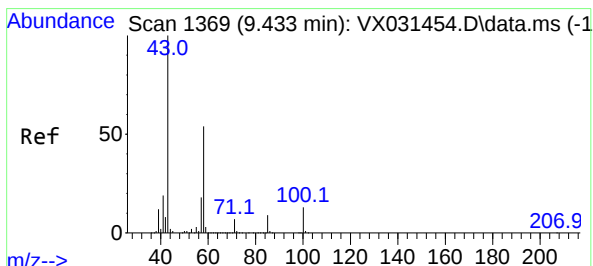
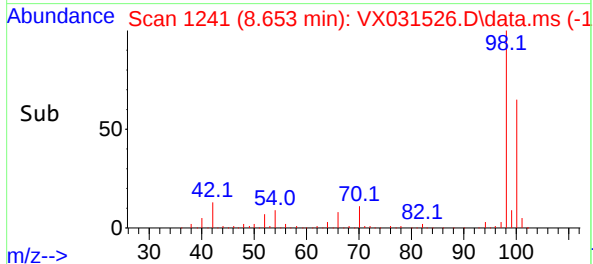
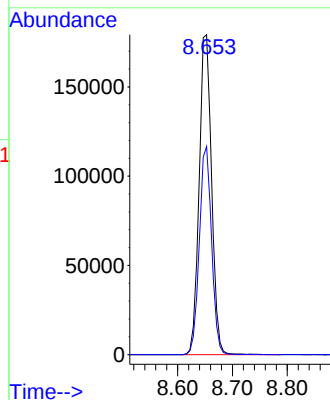
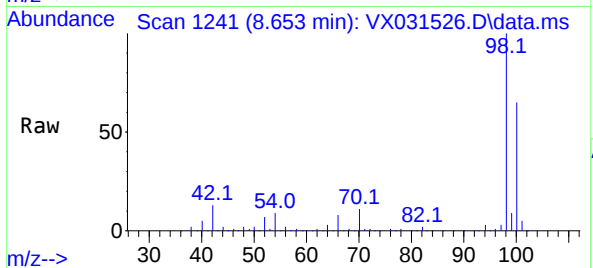
ClientSampleId :

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

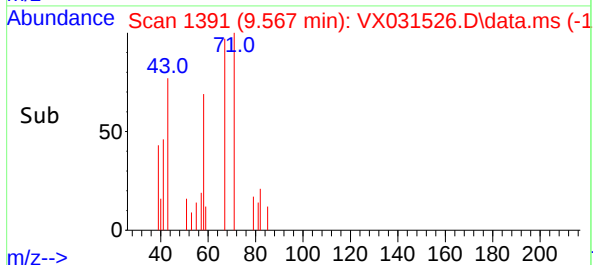
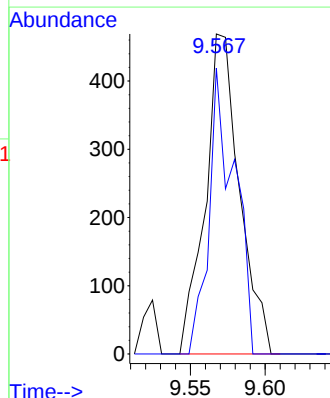
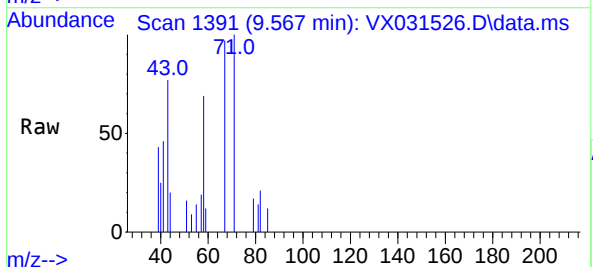
Acq: 21 Sep 2022 15:53

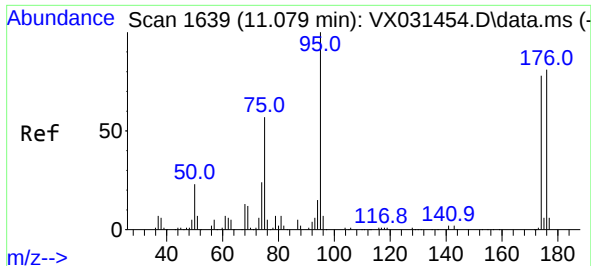
Tgt Ion: 43 Resp: 752

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# 1

Delta R.T. 0.000 min

Lab File: VX031526.D

Acq: 21 Sep 2022 15:53

Instrument :

MSVOA_X

ClientSampleId :

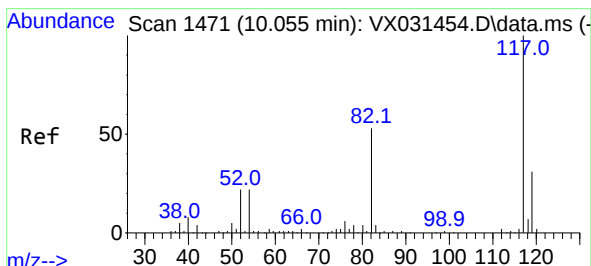
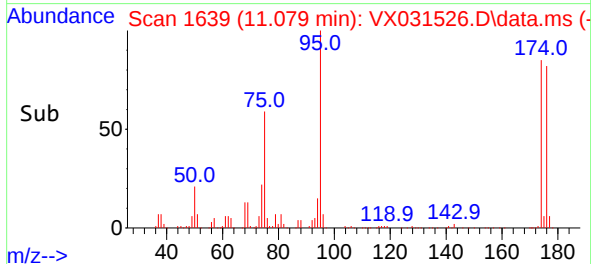
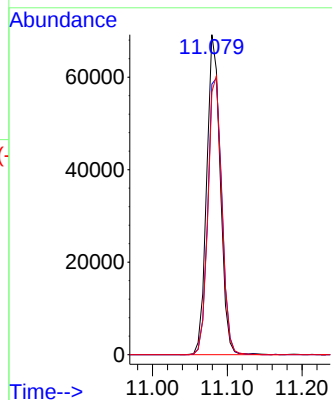
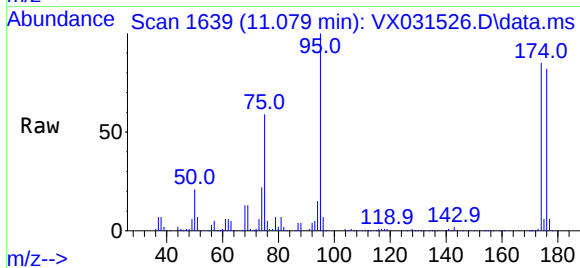
Tgt Ion: 95 Resp: 86932

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

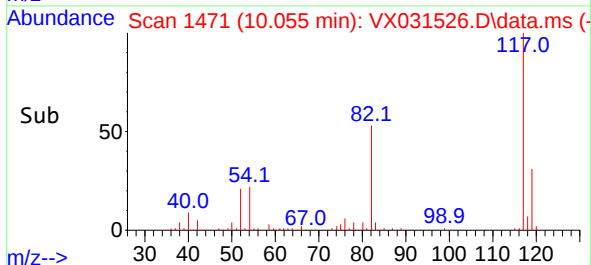
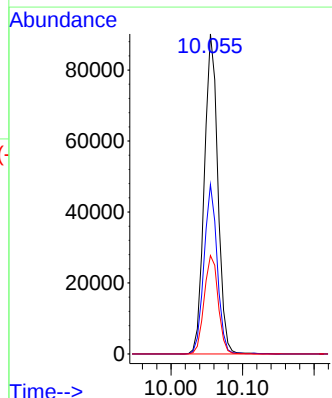
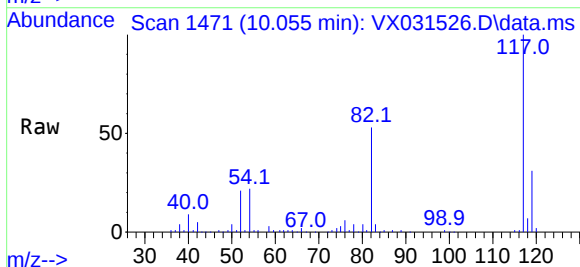
Tgt Ion: 117 Resp: 118653

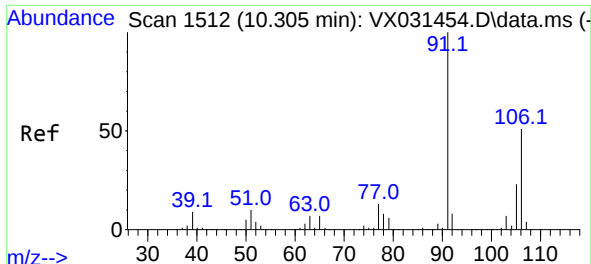
Ion Ratio Lower Upper

117 100

82 53.0 46.8 70.2

119 30.8 26.4 39.6

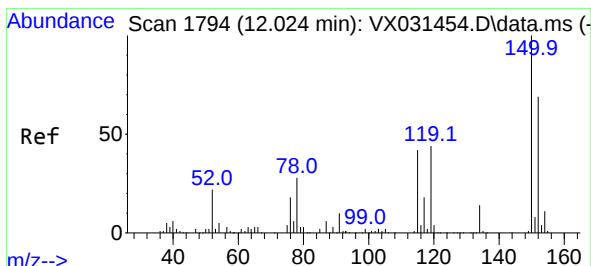
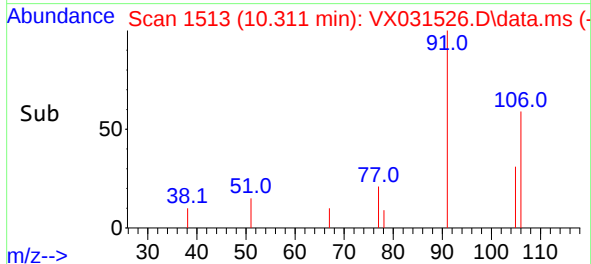
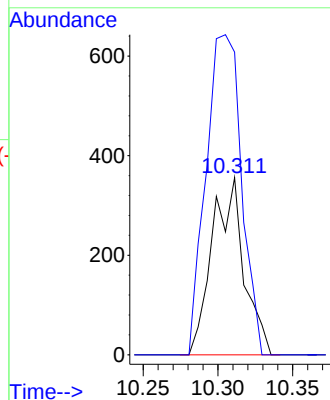
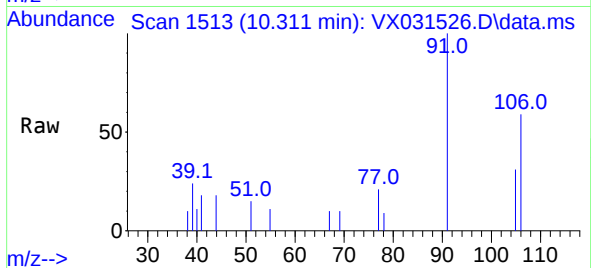




#68
m/p-Xylenes
Concen: 0.202 ug/l
RT: 10.311 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

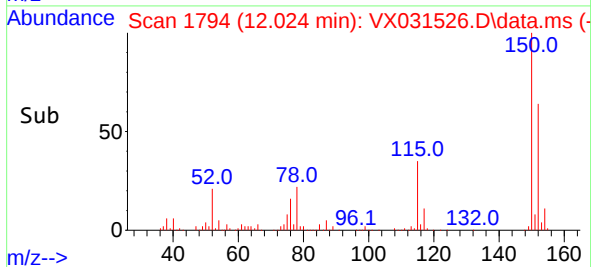
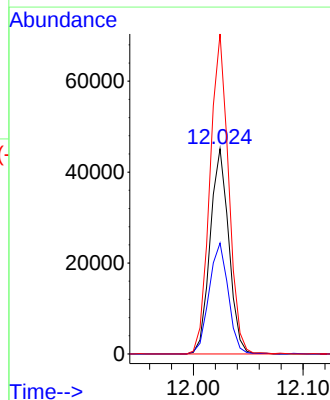
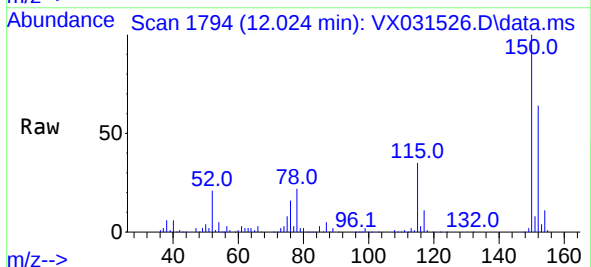
Instrument :
MSVOA_X
ClientSampleId :

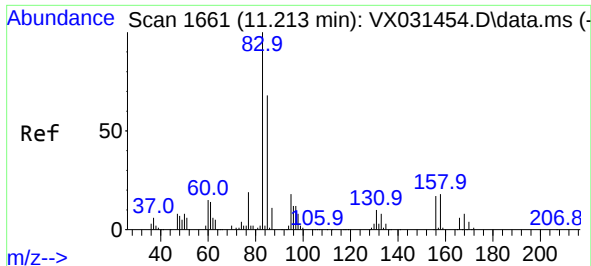
Tgt Ion:106 Resp: 524
Ion Ratio Lower Upper
106 100
91 202.3 161.0 241.4



#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

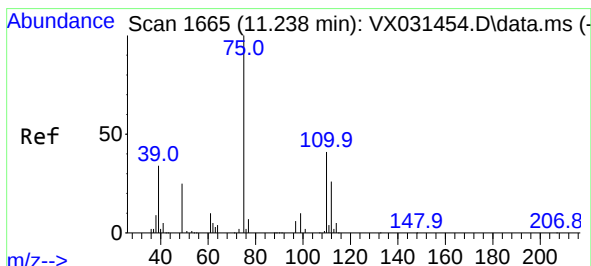
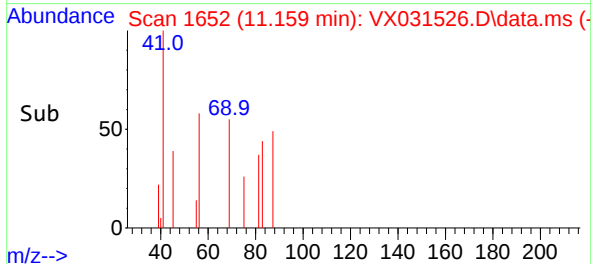
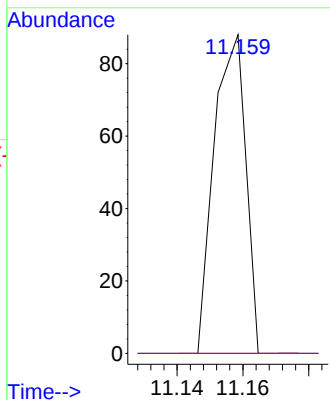
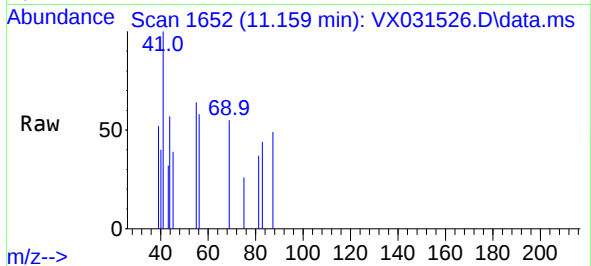




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.159 min Scan# 1639
Delta R.T. -0.054 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

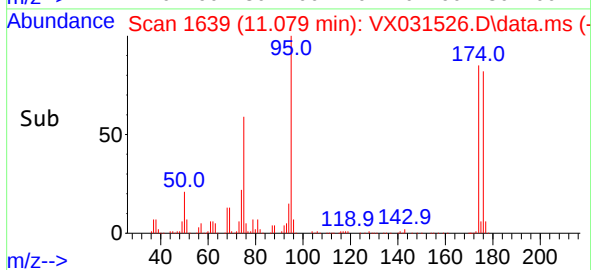
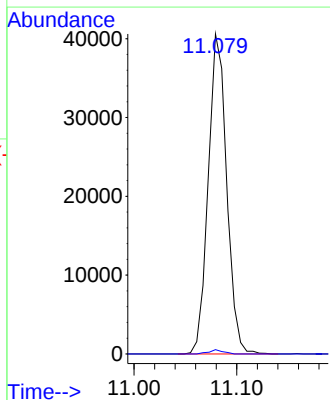
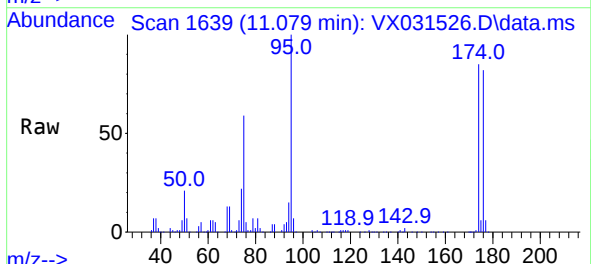
Instrument :
MSVOA_X
ClientSampleId :

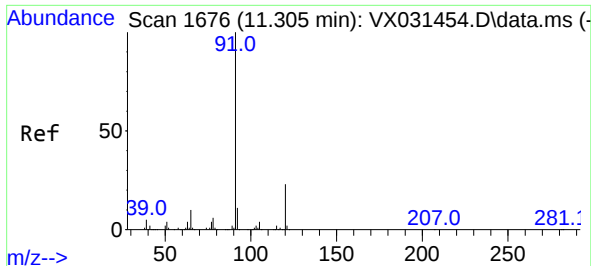
Tgt Ion: 83 Resp: 58
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.4#
85 0.0 32.6 97.8#



#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#

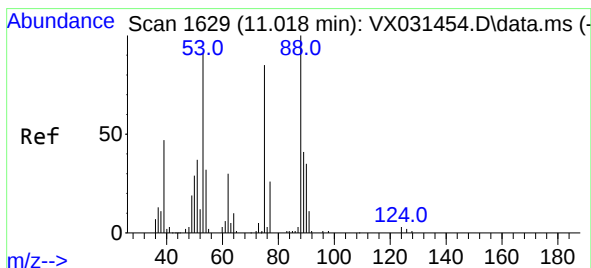
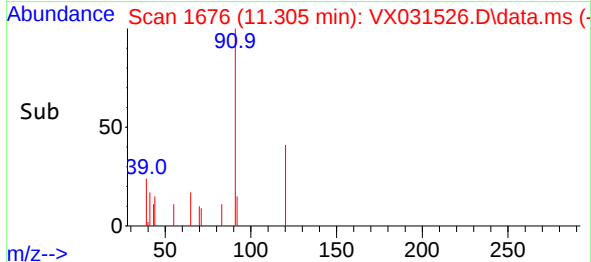
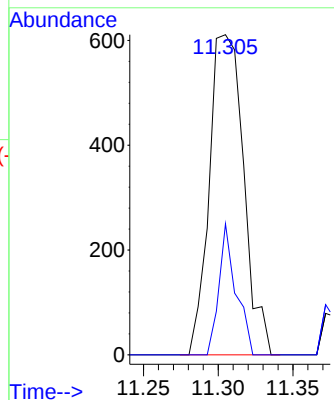
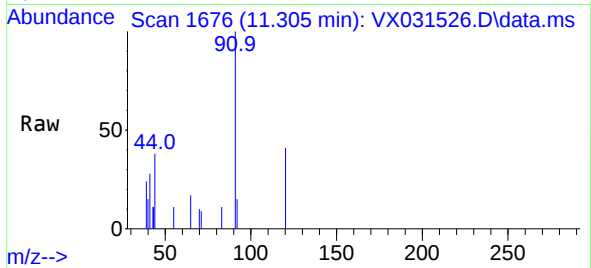




#78
n-propylbenzene
Concen: 0.213 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

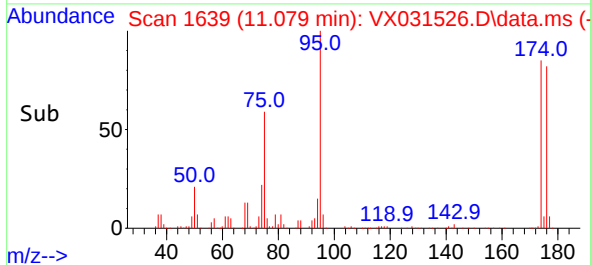
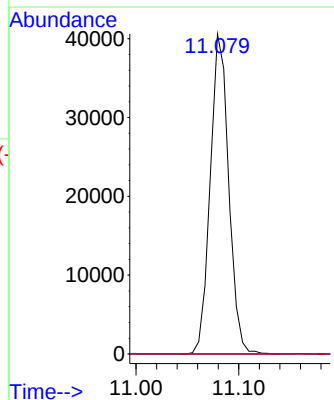
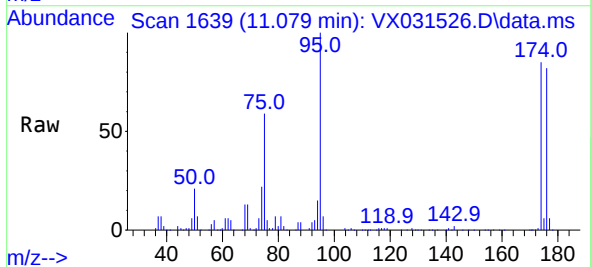
Instrument :
MSVOA_X
ClientSampleId :

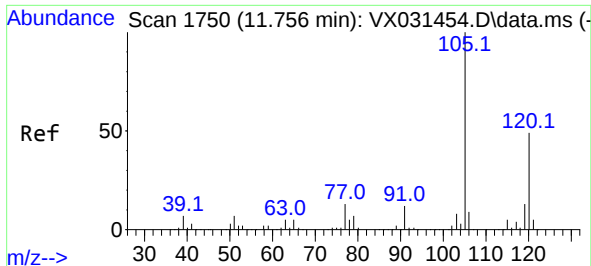
Tgt Ion: 91 Resp: 978
Ion Ratio Lower Upper
91 100
120 20.2 11.8 35.4



#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#

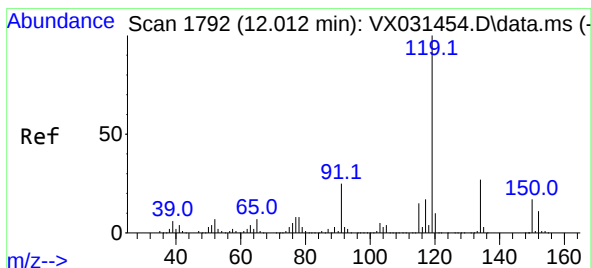
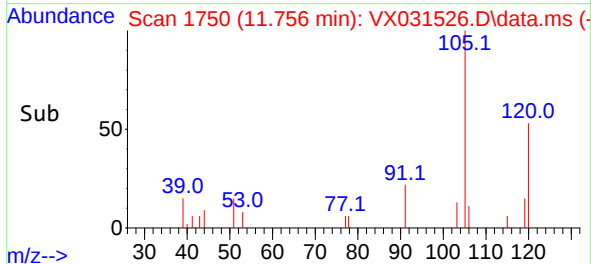
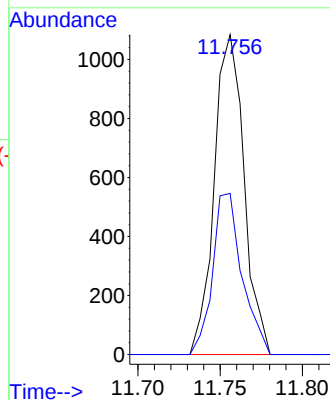
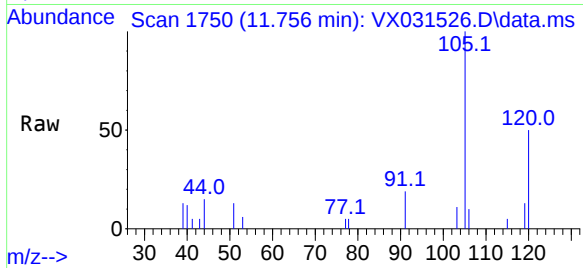




#84
1,2,4-Trimethylbenzene
Concen: 0.410 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

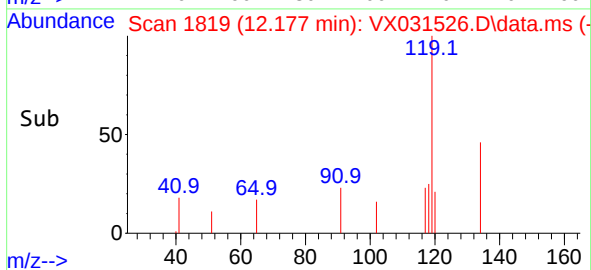
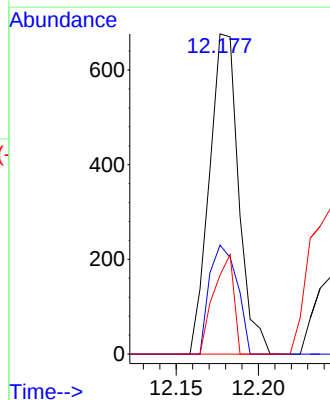
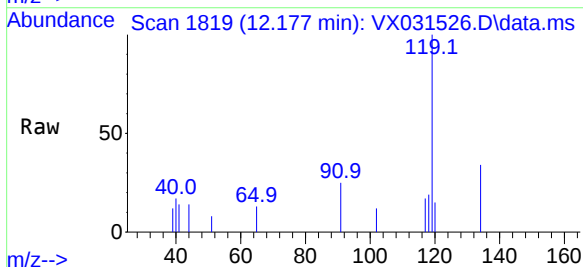
Instrument :
MSVOA_X
ClientSampleId :

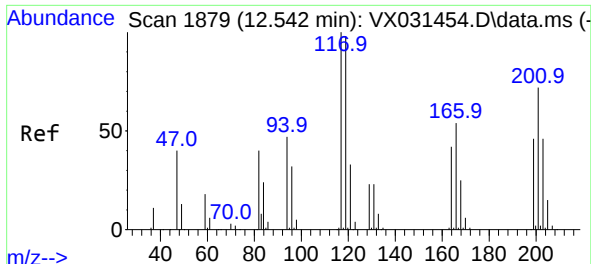
Tgt Ion:105 Resp: 1367
Ion Ratio Lower Upper
105 100
120 49.8 22.6 67.8



#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

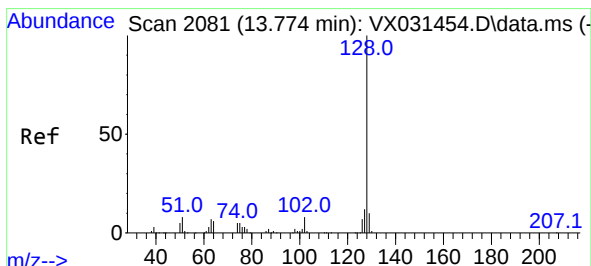
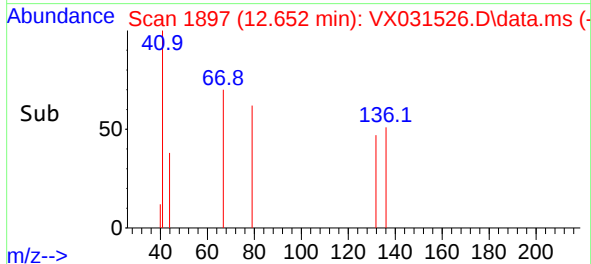
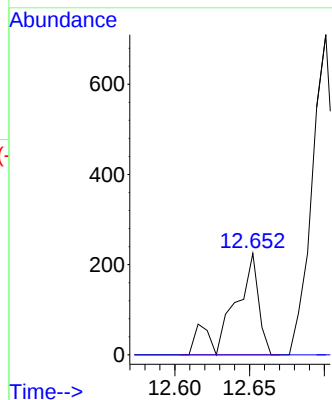
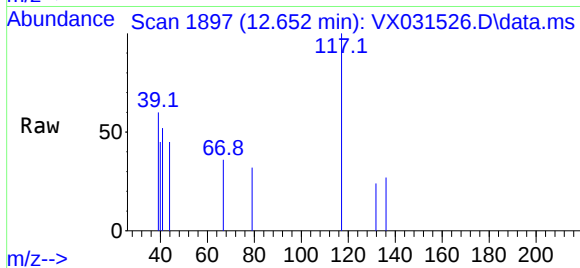




#90
Hexachloroethane
Concen: 0.448 ug/l
RT: 12.652 min Scan# 1897
Delta R.T. 0.110 min
Lab File: VX031526.D
Acq: 21 Sep 2022 15:53

Instrument :
MSVOA_X
ClientSampleId :

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#

