

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092222\
 Data File : VX031571.D
 Acq On : 22 Sep 2022 15:34
 Operator : JC/MD
 Sample : N4642-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB091322

Quant Time: Sep 23 01:49:30 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)

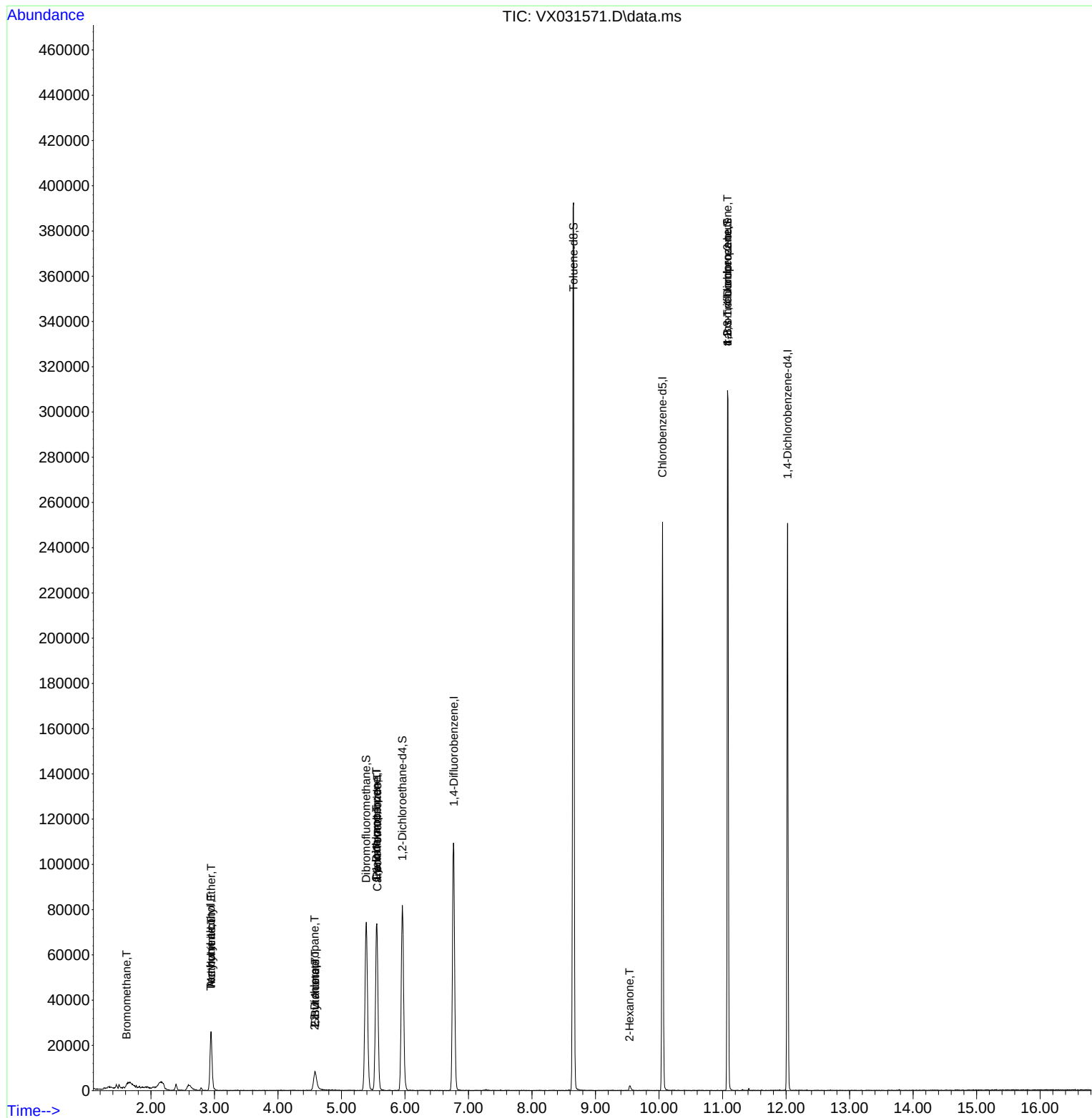
Internal Standards						
1) Pentafluorobenzene	5.556	168	71771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	115830	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	71841	54.578	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.160%			
35) Dibromofluoromethane	5.385	113	60872	50.857	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.720%			
50) Toluene-d8	8.653	98	232898	50.468	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.940%			
62) 4-Bromofluorobenzene	11.079	95	72281	46.240	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.480%			
Target Compounds					Qvalue	
5) Bromomethane	1.617	94	450	0.202	ug/l #	68
6) Chloroethane	1.709	64	142	Below Cal	#	43
11) Tert butyl alcohol	2.940	59	14696	23.856	ug/l #	77
15) Acrylonitrile	2.946	53	256	0.370	ug/l #	17
16) Acetone	2.398	43	3198	Below Cal		99
19) Methyl tert-butyl Ether	2.946	73	815	0.202	ug/l #	81
20) Methylene Chloride	2.788	84	485	Below Cal	#	94
25) 2-Butanone	4.586	43	741	0.729	ug/l #	49
26) 2,2-Dichloropropane	4.574	77	695	0.353	ug/l #	54
31) Cyclohexane	5.550	56	1699	0.870	ug/l #	57
36) 1,1-Dichloropropene	5.550	75	5905	3.207	ug/l #	52
37) Ethyl Acetate	4.586	43	741	0.337	ug/l #	48
38) Carbon Tetrachloride	5.562	117	6844	3.354	ug/l #	15
59) 2-Hexanone	9.537	43	608	0.373	ug/l #	25
75) 1,1,2,2-Tetrachloroethane	11.079	83	121	Below Cal	#	26
76) 1,2,3-Trichloropropane	11.079	75	40901	38.372	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	40901	123.552	ug/l #	11

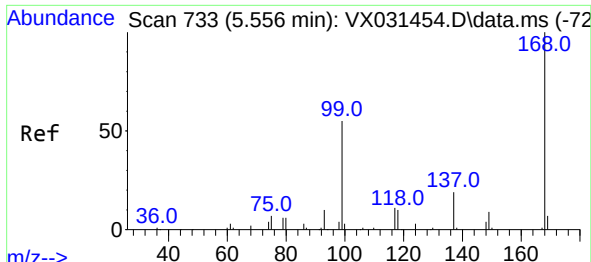
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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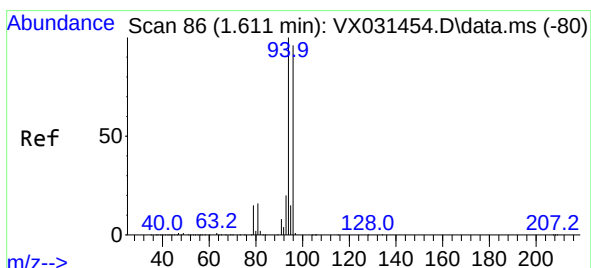
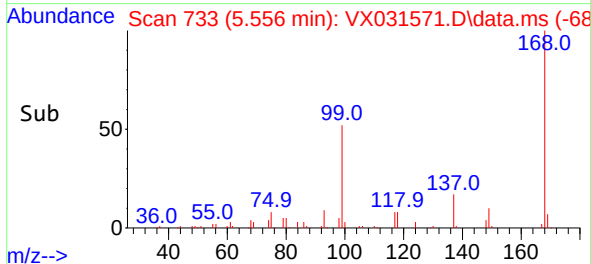
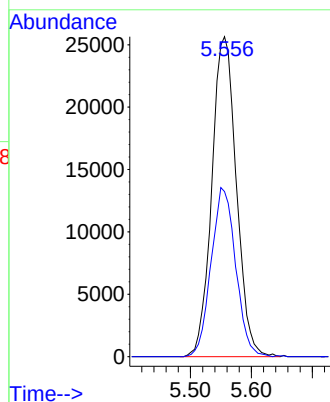
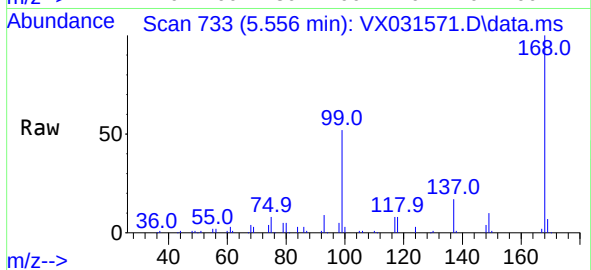




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031571.D
Acq: 22 Sep 2022 15:34

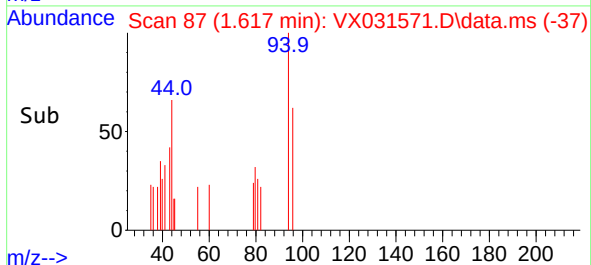
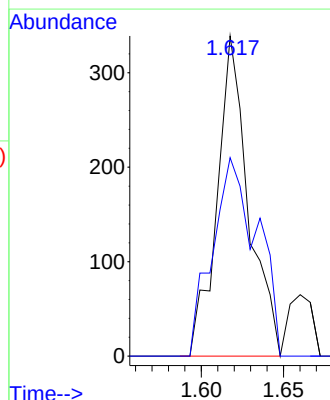
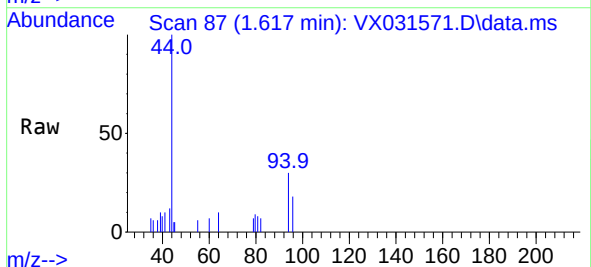
Instrument :
MSVOA_X
ClientSampleId :
FB091322

Tgt Ion:168 Resp: 71771
Ion Ratio Lower Upper
168 100
99 51.6 48.8 73.2

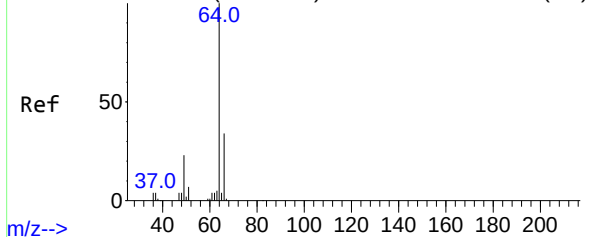


#5
Bromomethane
Concen: 0.202 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX031571.D
Acq: 22 Sep 2022 15:34

Tgt Ion: 94 Resp: 450
Ion Ratio Lower Upper
94 100
96 61.9 74.4 111.6#



Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



#6

Chloroethane

Concen: Below Cal

RT: 1.709 min Scan# 102

Delta R.T. 0.024 min

Lab File: VX031571.D

Acq: 22 Sep 2022 15:34

Instrument :

MSVOA_X

ClientSampleId :

FB091322

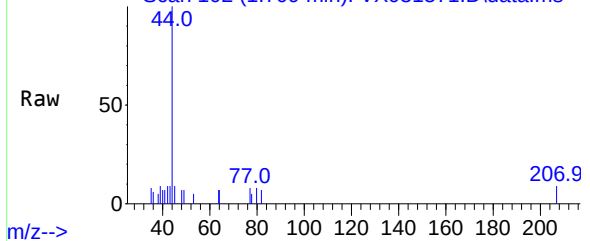
Tgt Ion: 64 Resp: 142

Ion Ratio Lower Upper

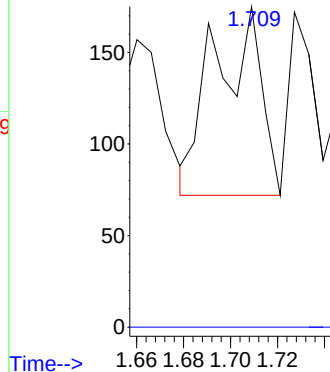
64 100

66 0.0 25.0 37.4#

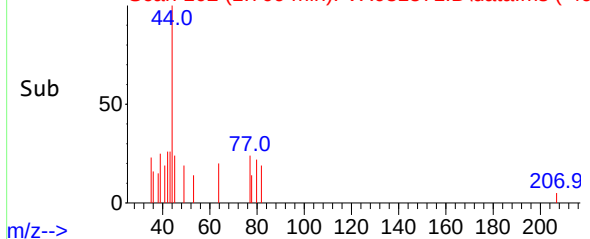
Abundance Scan 102 (1.709 min): VX031571.D\data.ms



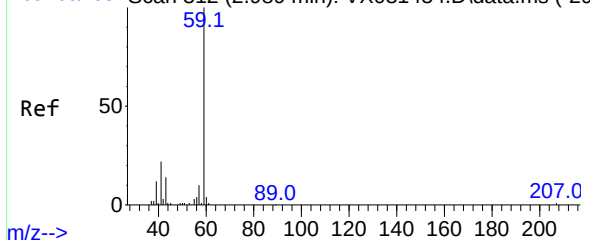
Abundance



Abundance Scan 102 (1.709 min): VX031571.D\data.ms (-49)



Abundance Scan 312 (2.989 min): VX031454.D\data.ms (-29)



#11

Tert butyl alcohol

Concen: 23.856 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.049 min

Lab File: VX031571.D

Acq: 22 Sep 2022 15:34

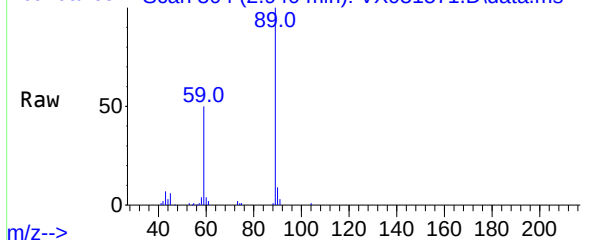
Tgt Ion: 59 Resp: 14696

Ion Ratio Lower Upper

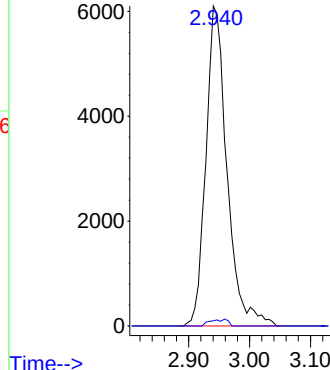
59 100

57 1.7 8.2 12.2#

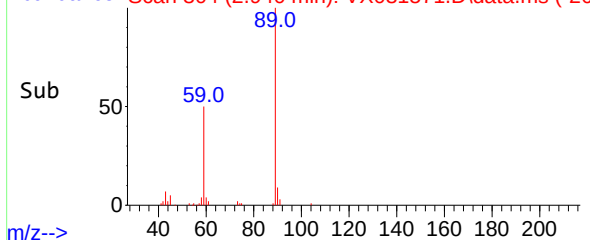
Abundance Scan 304 (2.940 min): VX031571.D\data.ms

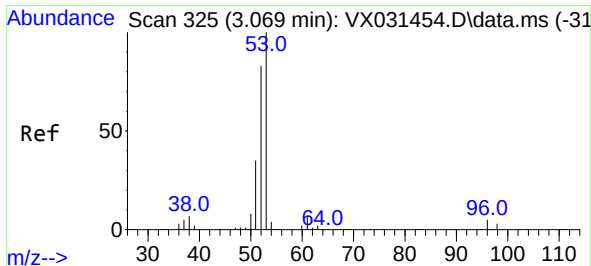


Abundance



Abundance Scan 304 (2.940 min): VX031571.D\data.ms (-26)





#15

Acrylonitrile

Concen: 0.370 ug/l

RT: 2.946 min Scan# 30

Delta R.T. -0.123 min

Lab File: VX031571.D

Acq: 22 Sep 2022 15:34

Instrument :

MSVOA_X

ClientSampleId :

FB091322

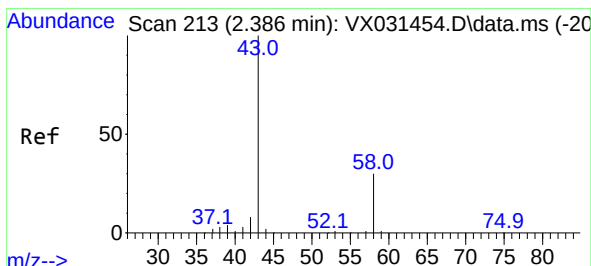
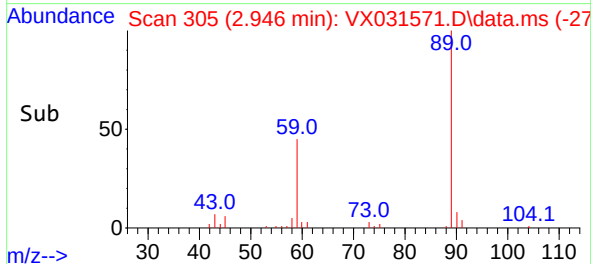
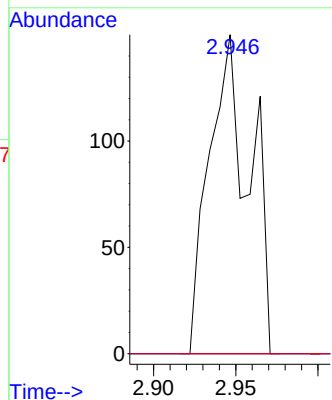
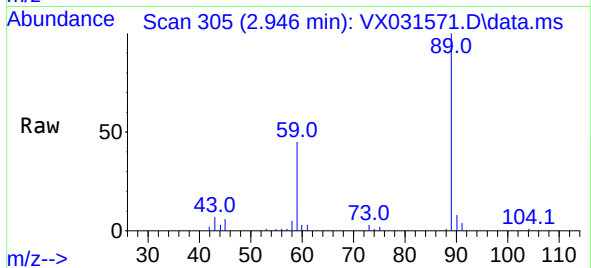
Tgt Ion: 53 Resp: 256

Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

51 0.0 30.0 45.0#



#16

Acetone

Concen: Below Cal

RT: 2.398 min Scan# 215

Delta R.T. 0.012 min

Lab File: VX031571.D

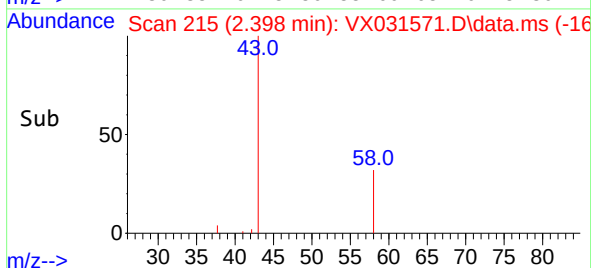
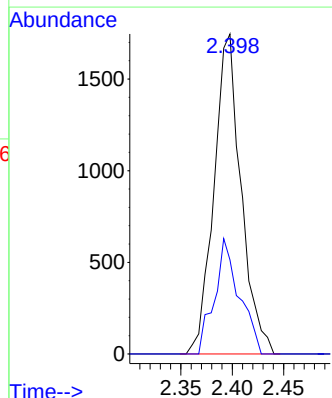
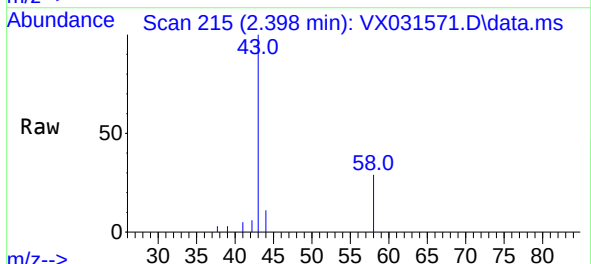
Acq: 22 Sep 2022 15:34

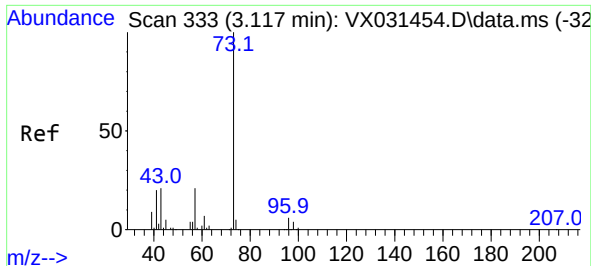
Tgt Ion: 43 Resp: 3198

Ion Ratio Lower Upper

43 100

58 29.4 23.8 35.8





#19

Methyl tert-butyl Ether

Concen: 0.202 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.171 min

Lab File: VX031571.D

Acq: 22 Sep 2022 15:34

Instrument :

MSVOA_X

ClientSampleId :

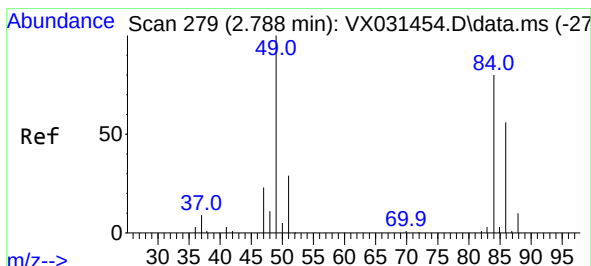
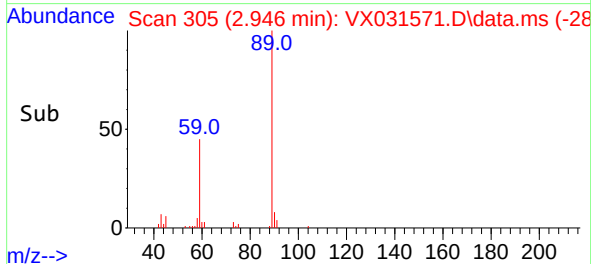
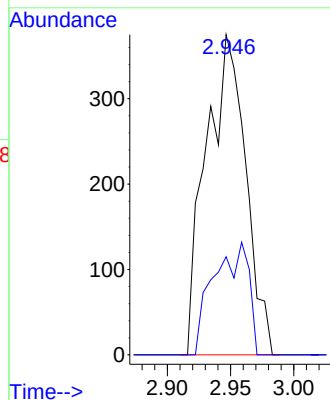
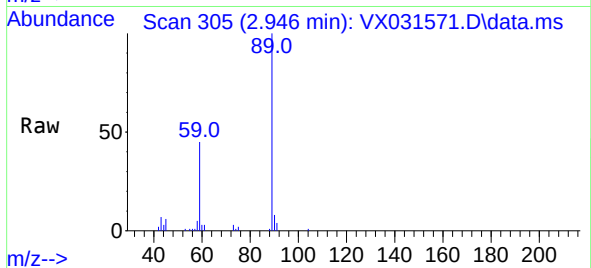
FB091322

Tgt Ion: 73 Resp: 815

Ion Ratio Lower Upper

73 100

57 30.7 17.2 25.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX031571.D

Acq: 22 Sep 2022 15:34

Tgt Ion: 84 Resp: 485

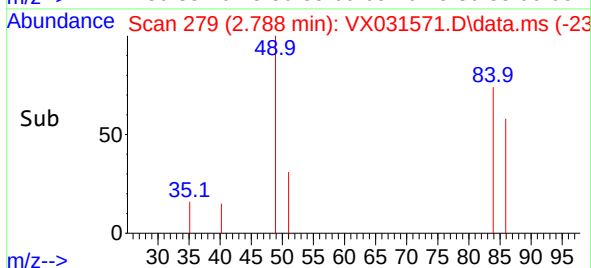
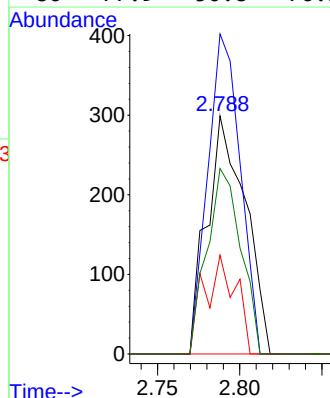
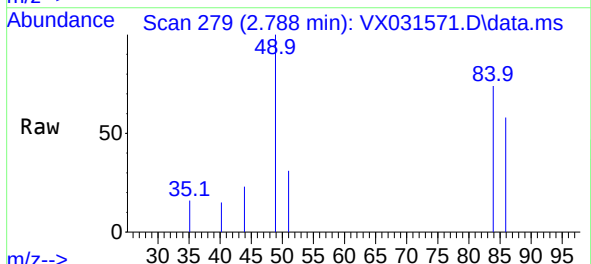
Ion Ratio Lower Upper

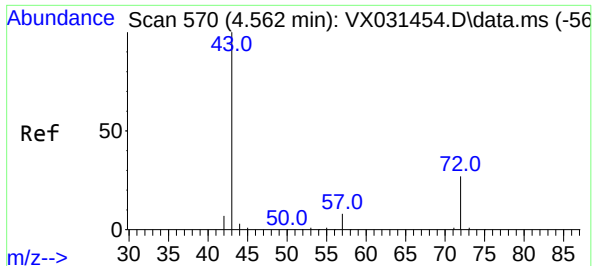
84 100

49 134.4 105.9 158.9

51 41.5 32.2 48.2

86 77.9 50.8 76.2#





#25

2-Butanone

Concen: 0.729 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX031571.D

Acq: 22 Sep 2022 15:34

Instrument :

MSVOA_X

ClientSampleId :

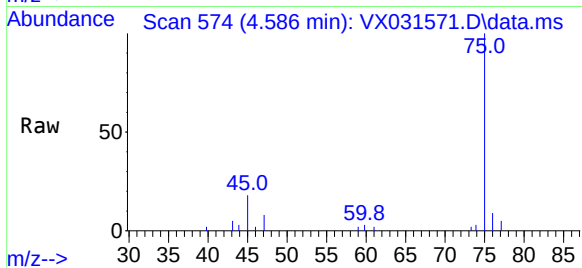
FB091322

Tgt Ion: 43 Resp: 741

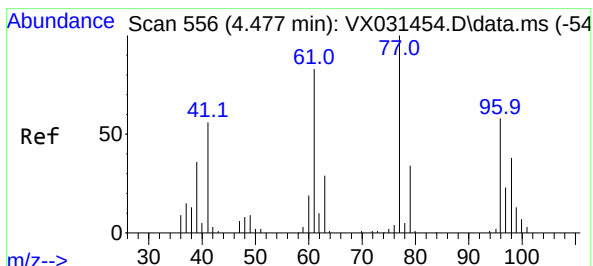
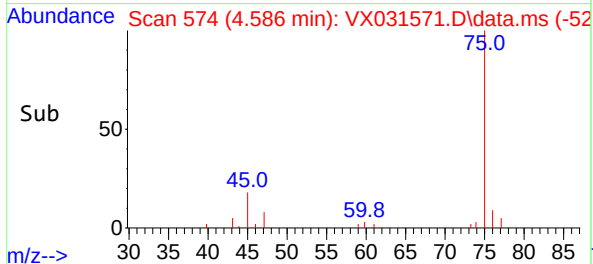
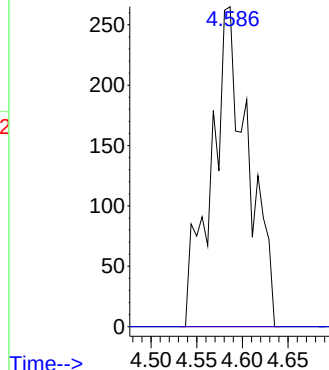
Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



Abundance



#26

2,2-Dichloropropane

Concen: 0.353 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.097 min

Lab File: VX031571.D

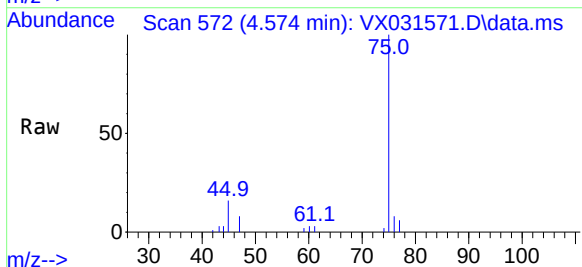
Acq: 22 Sep 2022 15:34

Tgt Ion: 77 Resp: 695

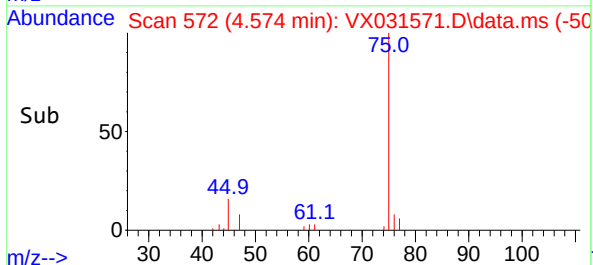
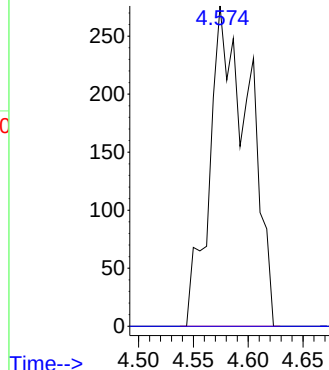
Ion Ratio Lower Upper

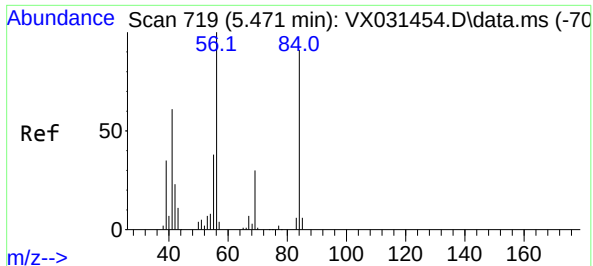
77 100

97 0.0 10.9 32.6#



Abundance

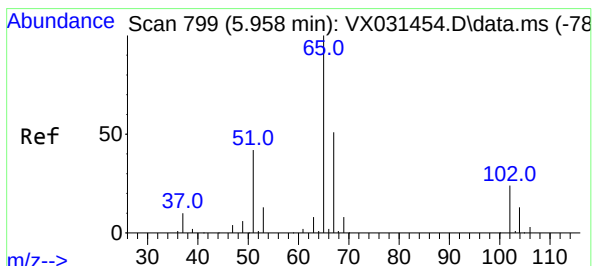
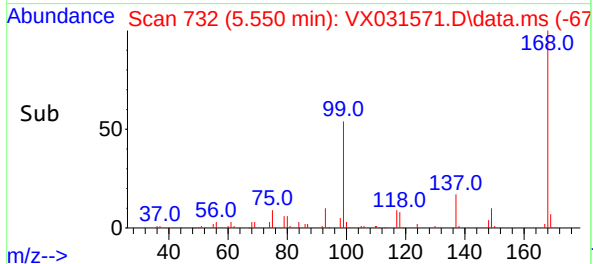
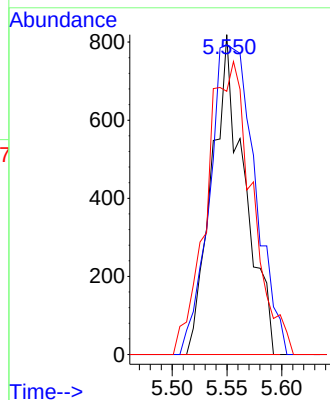
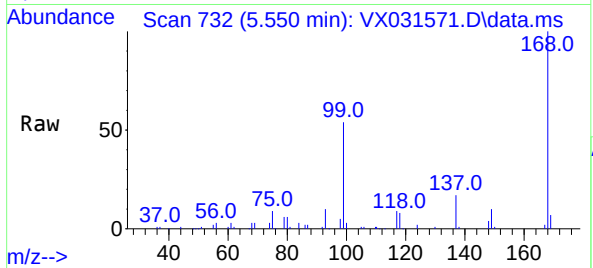




#31
Cyclohexane
Concen: 0.870 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX031571.D
Acq: 22 Sep 2022 15:34

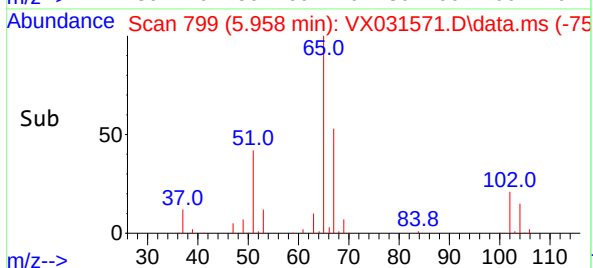
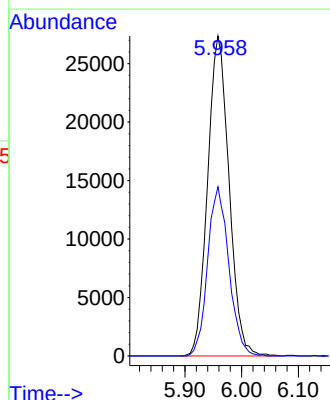
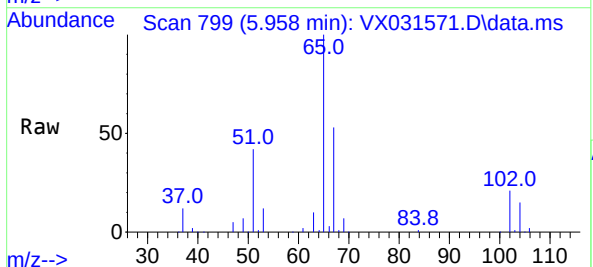
Instrument :
MSVOA_X
ClientSampleId :
FB091322

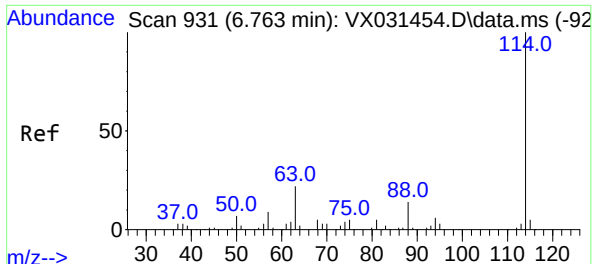
Tgt Ion: 56 Resp: 1699
Ion Ratio Lower Upper
56 100
69 96.8 25.1 37.7#
84 73.5 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 54.578 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031571.D
Acq: 22 Sep 2022 15:34

Tgt Ion: 65 Resp: 71841
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX031571.D

Acq: 22 Sep 2022 15:34

Instrument :

MSVOA_X

ClientSampleId :

FB091322

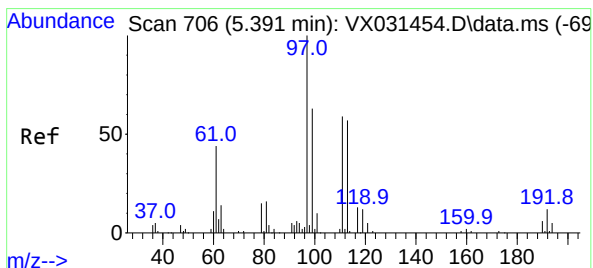
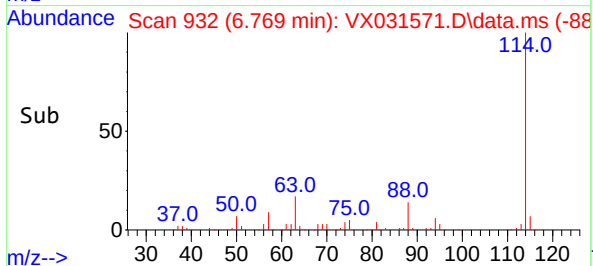
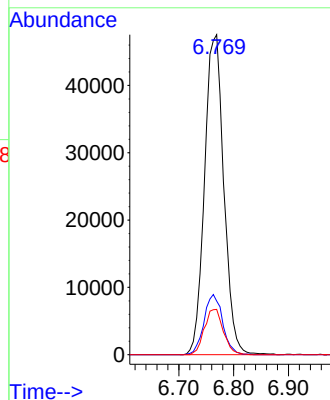
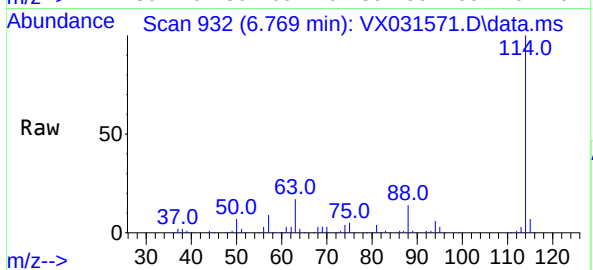
Tgt Ion:114 Resp: 115830

Ion Ratio Lower Upper

114 100

63 16.8 0.0 42.6

88 14.2 0.0 33.0



#35

Dibromofluoromethane

Concen: 50.857 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX031571.D

Acq: 22 Sep 2022 15:34

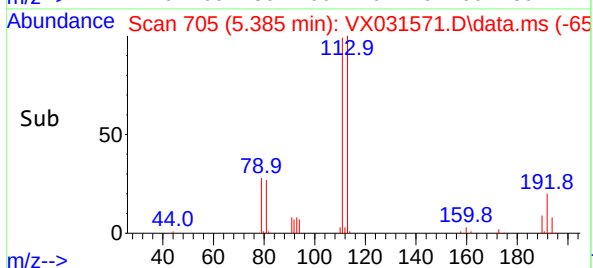
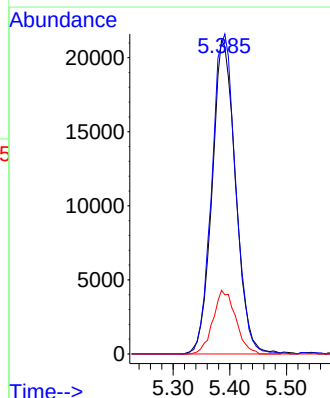
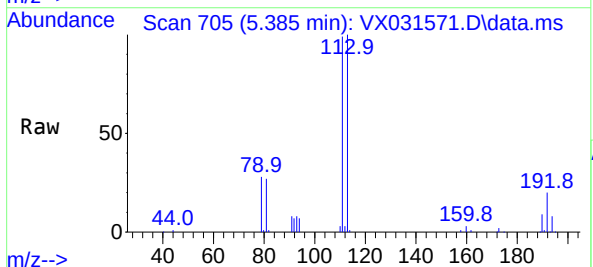
Tgt Ion:113 Resp: 60872

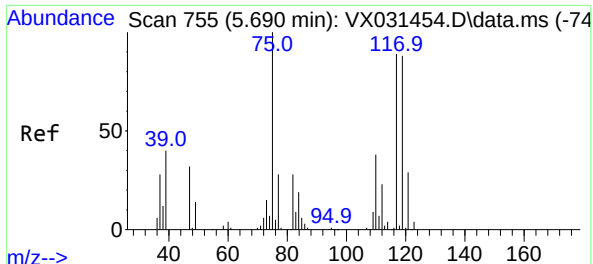
Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

192 19.6 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.207 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX031571.D

Acq: 22 Sep 2022 15:34

Instrument :

MSVOA_X

ClientSampleId :

FB091322

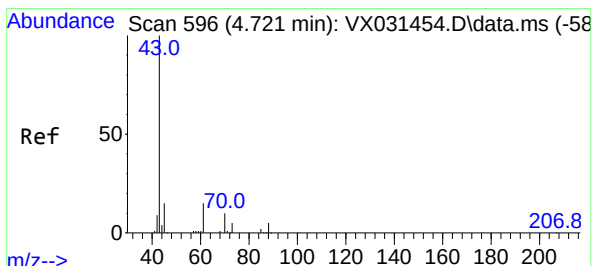
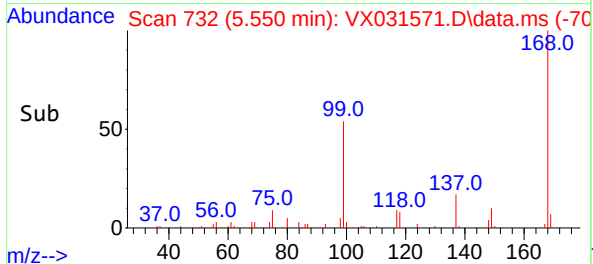
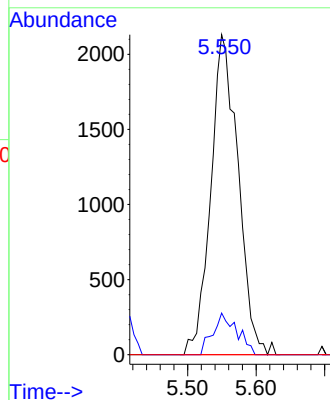
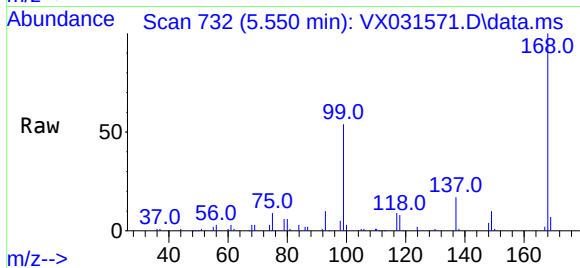
Tgt Ion: 75 Resp: 5905

Ion Ratio Lower Upper

75 100

110 11.5 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.337 ug/l

RT: 4.586 min Scan# 574

Delta R.T. -0.135 min

Lab File: VX031571.D

Acq: 22 Sep 2022 15:34

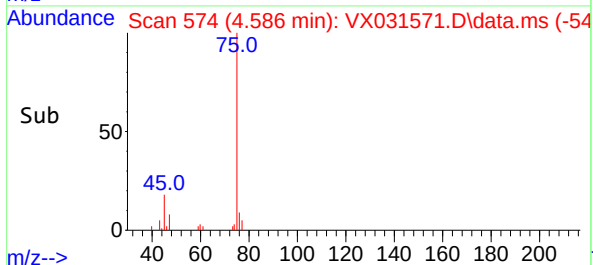
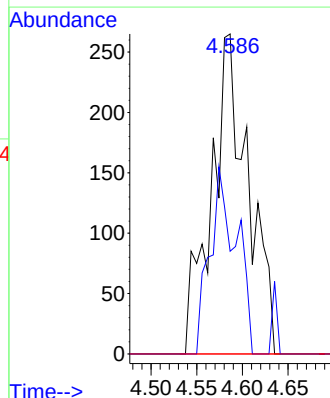
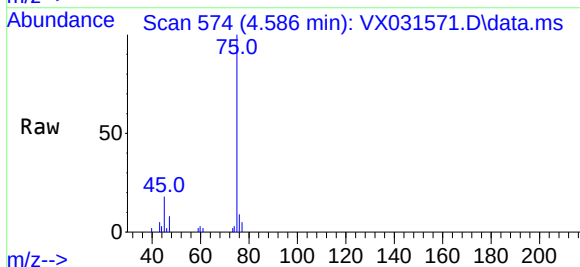
Tgt Ion: 43 Resp: 741

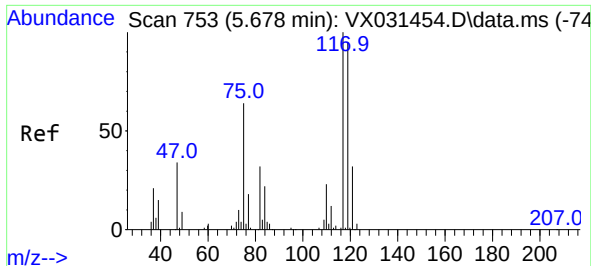
Ion Ratio Lower Upper

43 100

61 42.1 11.1 16.7#

70 0.0 8.6 13.0#

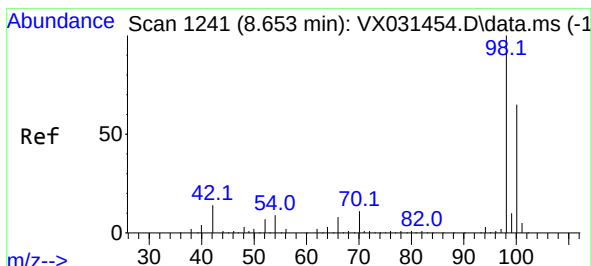
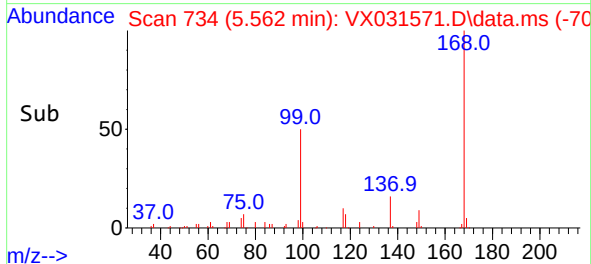
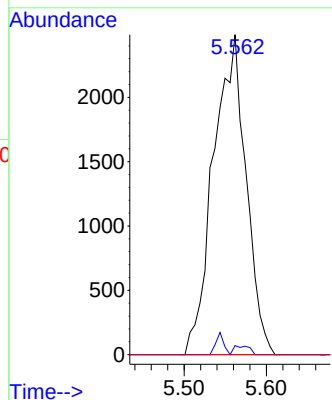
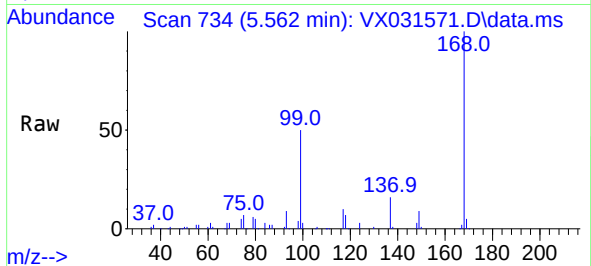




#38
Carbon Tetrachloride
Concen: 3.354 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX031571.D
Acq: 22 Sep 2022 15:34

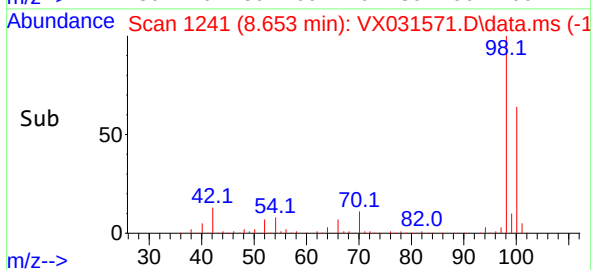
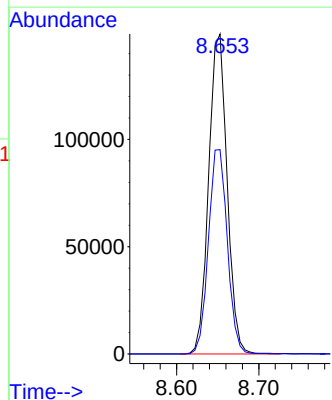
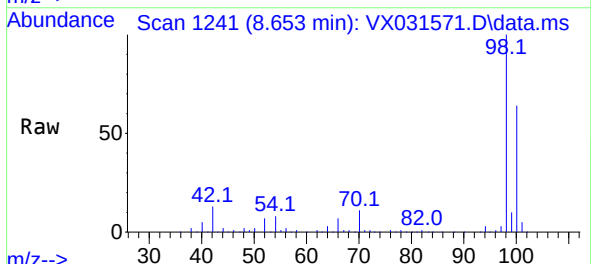
Instrument :
MSVOA_X
ClientSampleId :
FB091322

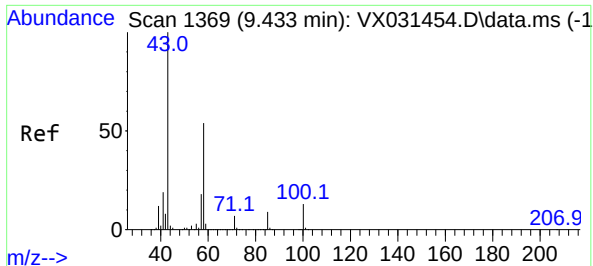
Tgt Ion:117 Resp: 6844
Ion Ratio Lower Upper
117 100
119 2.9 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 50.468 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031571.D
Acq: 22 Sep 2022 15:34

Tgt Ion: 98 Resp: 232898
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7





#59

2-Hexanone

Concen: 0.373 ug/l

RT: 9.537 min Scan# 11

Delta R.T. 0.104 min

Lab File: VX031571.D

Acq: 22 Sep 2022 15:34

Instrument :

MSVOA_X

ClientSampleId :

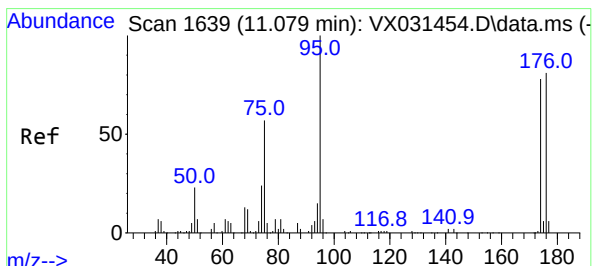
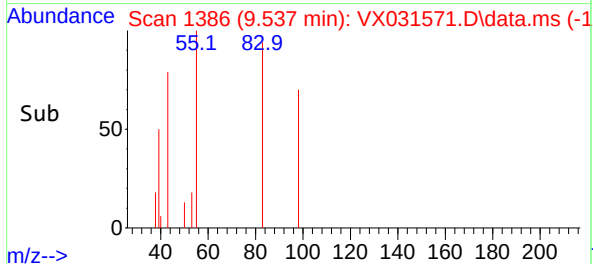
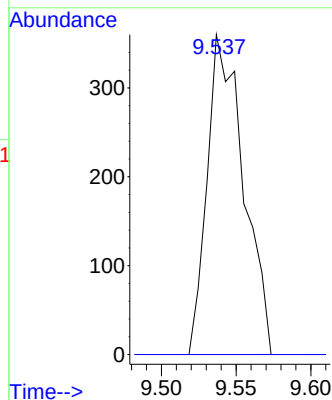
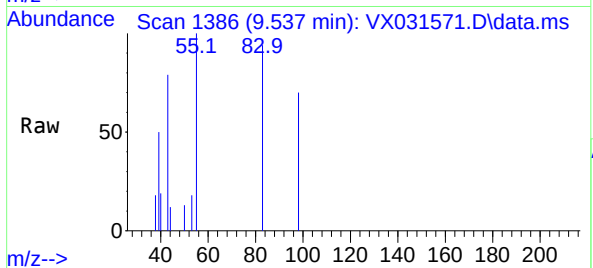
FB091322

Tgt Ion: 43 Resp: 608

Ion Ratio Lower Upper

43 100

58 0.0 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 46.240 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031571.D

Acq: 22 Sep 2022 15:34

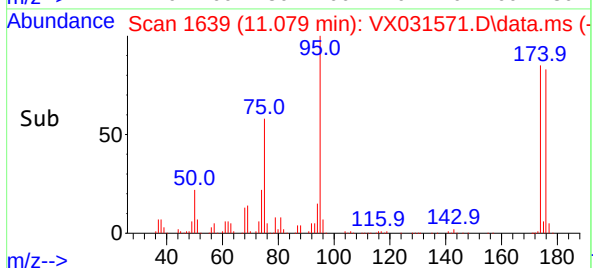
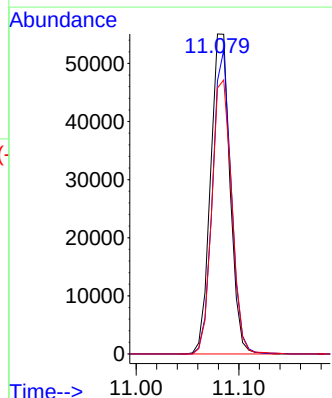
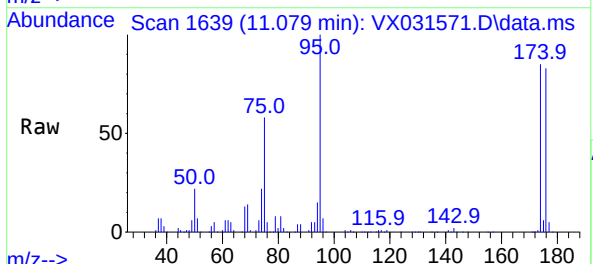
Tgt Ion: 95 Resp: 72281

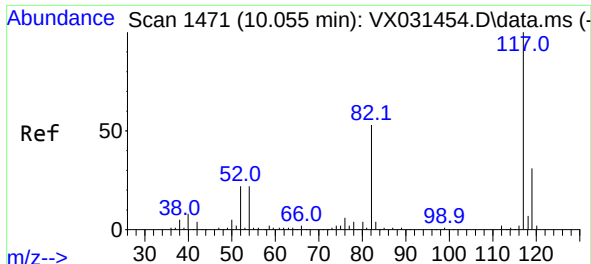
Ion Ratio Lower Upper

95 100

174 90.8 0.0 153.2

176 87.4 0.0 144.0

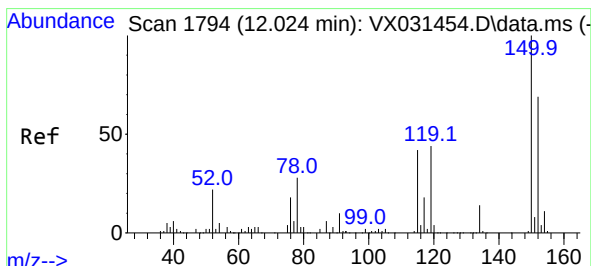
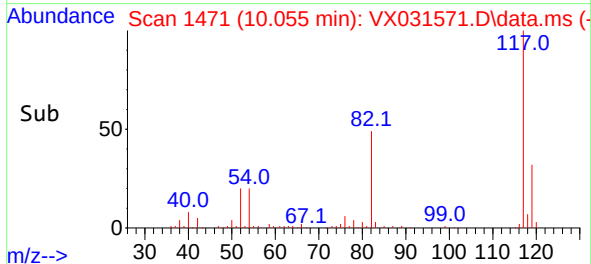
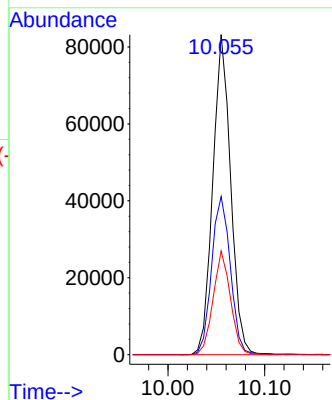
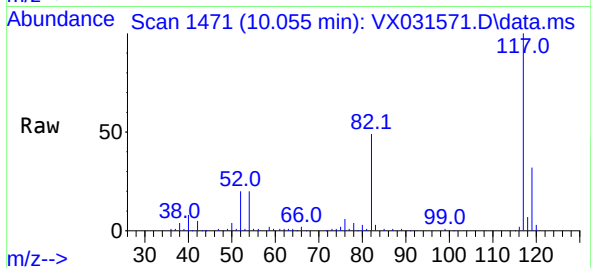




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031571.D
Acq: 22 Sep 2022 15:34

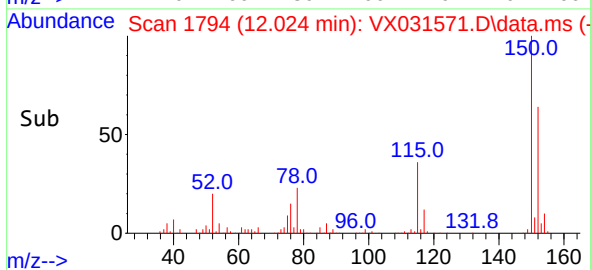
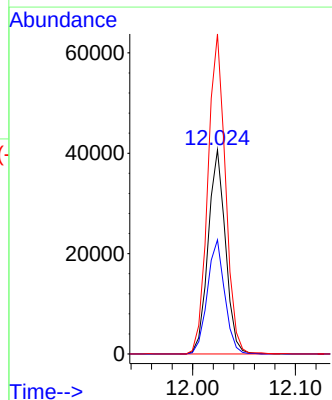
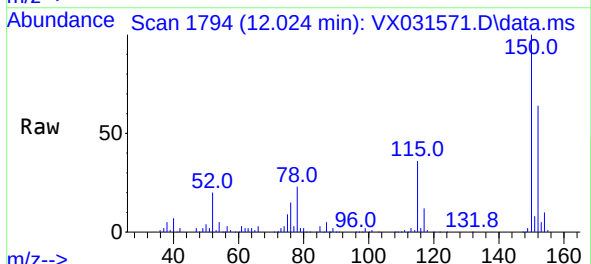
Instrument :
MSVOA_X
ClientSampleId :
FB091322

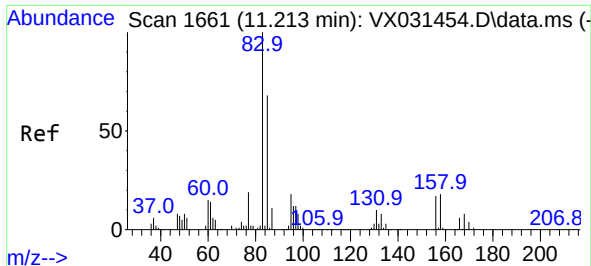
Tgt Ion:117 Resp: 106878
Ion Ratio Lower Upper
117 100
82 49.4 46.8 70.2
119 32.4 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031571.D
Acq: 22 Sep 2022 15:34

Tgt Ion:152 Resp: 47758
Ion Ratio Lower Upper
152 100
115 56.0 43.4 130.1
150 159.4 0.0 346.8

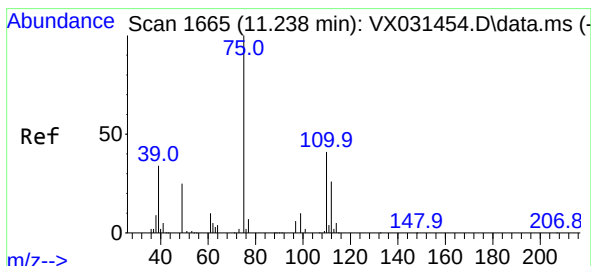
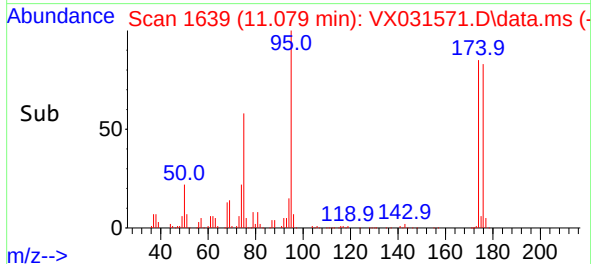
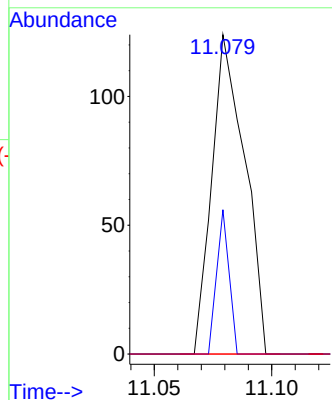
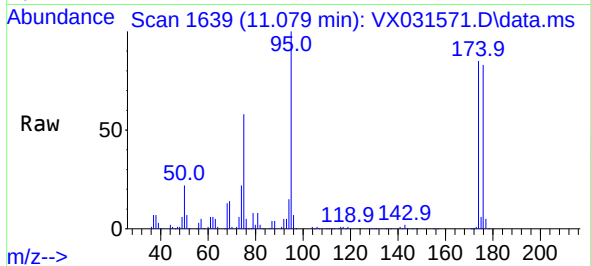




#75
1,1,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX031571.D
Acq: 22 Sep 2022 15:34

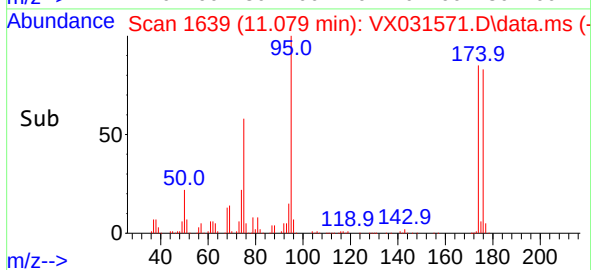
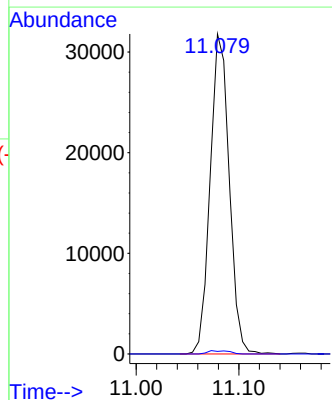
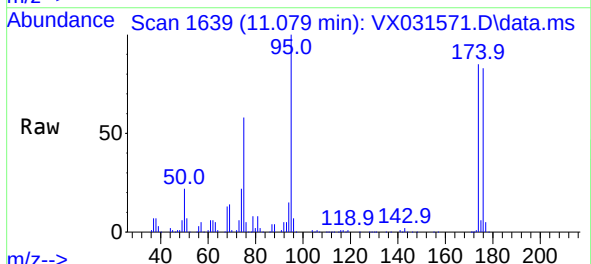
Instrument :
MSVOA_X
ClientSampleId :
FB091322

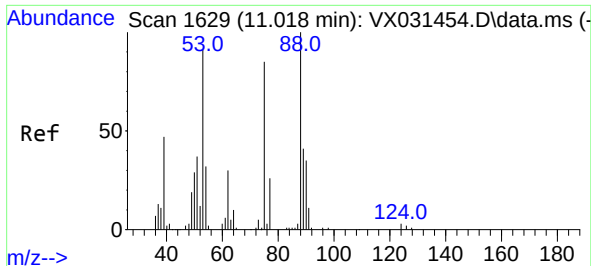
Tgt Ion: 83 Resp: 121
Ion Ratio Lower Upper
83 100
131 16.5 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 38.372 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031571.D
Acq: 22 Sep 2022 15:34

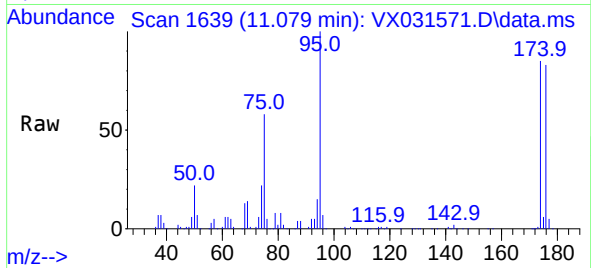
Tgt Ion: 75 Resp: 40901
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.552 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031571.D
 Acq: 22 Sep 2022 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 FB091322



Tgt Ion:	75	Resp:	40901
Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.6	116.4#
89	0.1	37.4	56.0#

