

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092222\
 Data File : VX031572.D
 Acq On : 22 Sep 2022 15:58
 Operator : JC/MD
 Sample : N4642-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB091422

Quant Time: Sep 23 01:49:40 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)

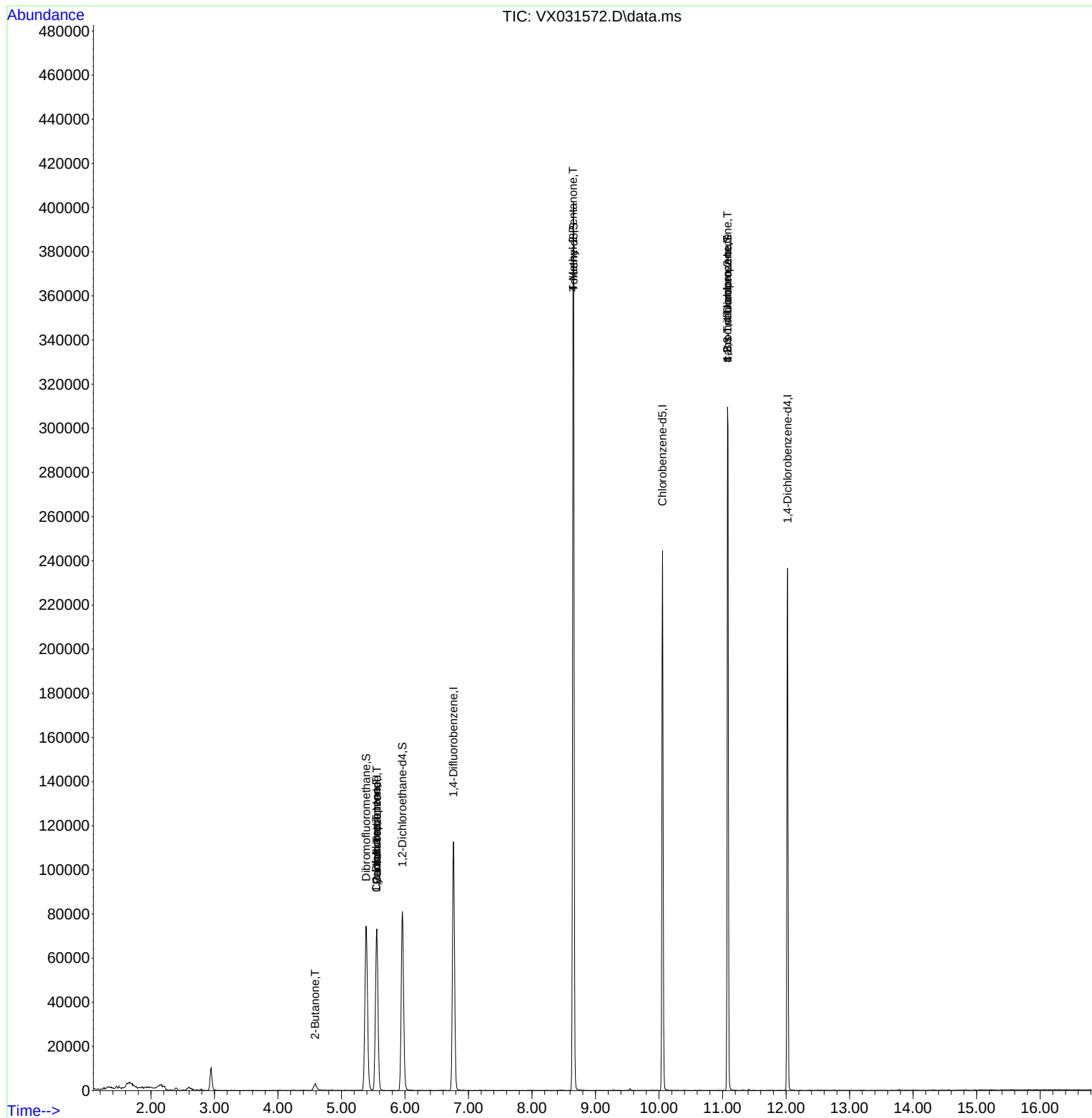
Internal Standards						
1) Pentafluorobenzene	5.556	168	70550	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	115652	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	103670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70257	54.293	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 108.580%		
35) Dibromofluoromethane	5.385	113	61123	51.149	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 102.300%		
50) Toluene-d8	8.653	98	236083	51.237	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 102.480%		
62) 4-Bromofluorobenzene	11.079	95	70143	44.942	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 89.880%		
Target Compounds						Qvalue
6) Chloroethane	1.691	64	337	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	5097	Below Cal	#	73
16) Acetone	2.398	43	1418	Below Cal	#	86
20) Methylene Chloride	2.794	84	328	Below Cal	#	63
25) 2-Butanone	4.587	43	293	0.293	ug/l #	49
31) Cyclohexane	5.550	56	1694	0.883	ug/l #	62
36) 1,1-Dichloropropene	5.550	75	5573	3.032	ug/l #	49
38) Carbon Tetrachloride	5.556	117	6894	3.383	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	1168	0.539	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.079	83	95	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	40413	39.749	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	40413	127.985	ug/l #	11

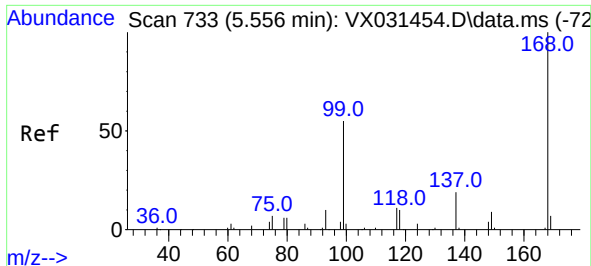
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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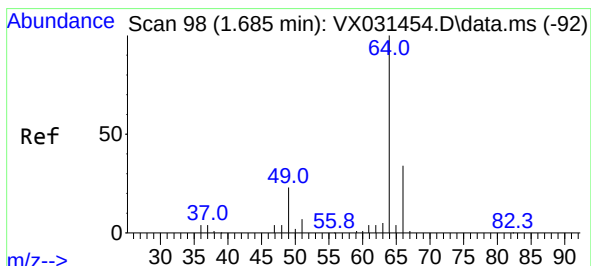
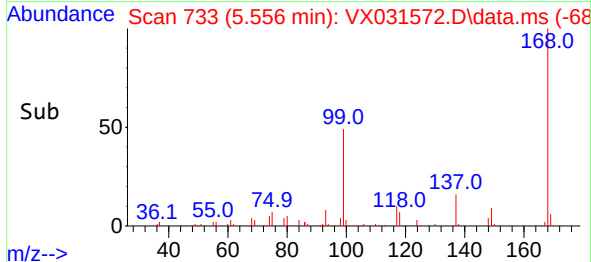
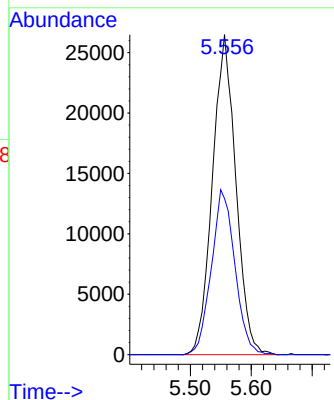
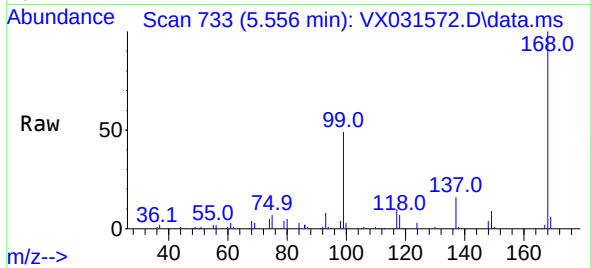




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

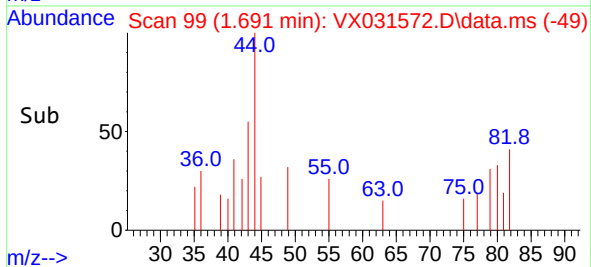
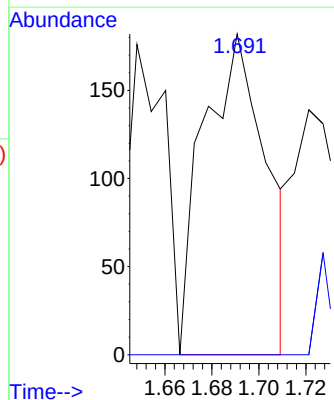
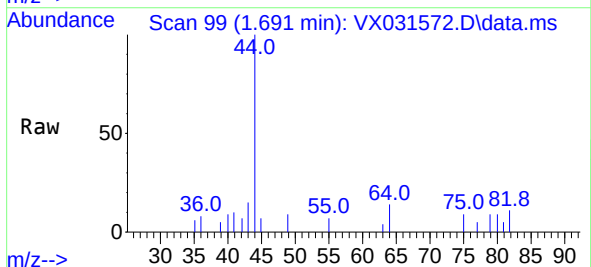
Instrument :
MSVOA_X
ClientSampleId :
FB091422

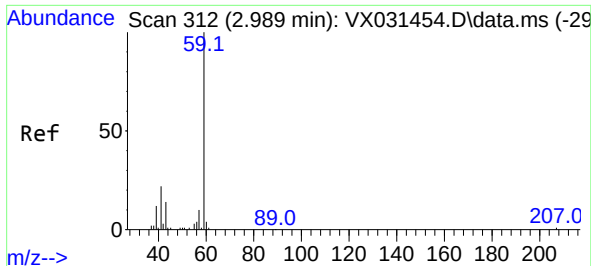
Tgt Ion:168 Resp: 70550
Ion Ratio Lower Upper
168 100
99 48.8 48.8 73.2#



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

Tgt Ion: 64 Resp: 337
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.042 min

Lab File: VX031572.D

Acq: 22 Sep 2022 15:58

Instrument :

MSVOA_X

ClientSampleId :

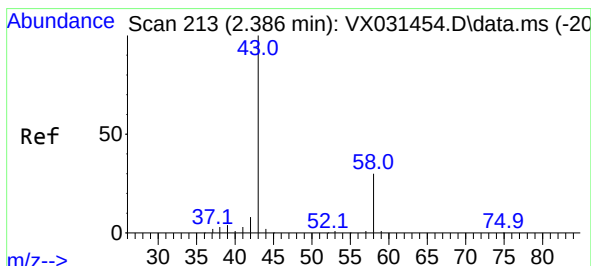
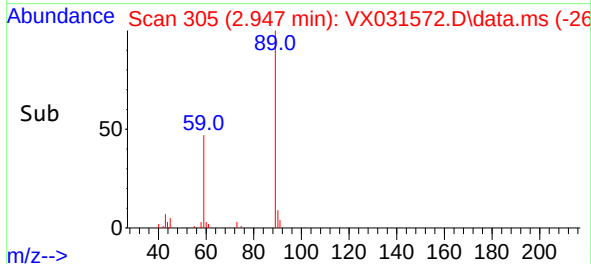
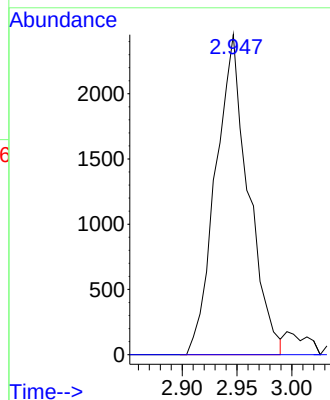
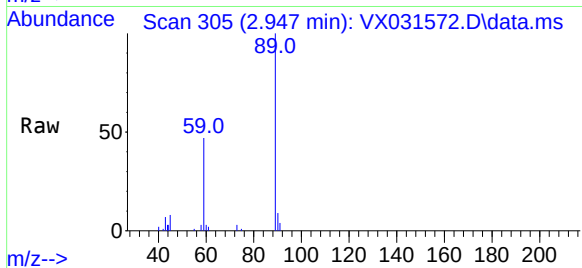
FB091422

Tgt Ion: 59 Resp: 5097

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.398 min Scan# 215

Delta R.T. 0.012 min

Lab File: VX031572.D

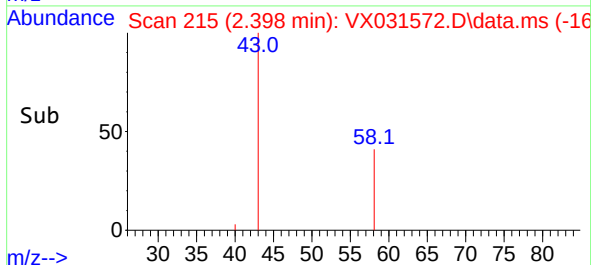
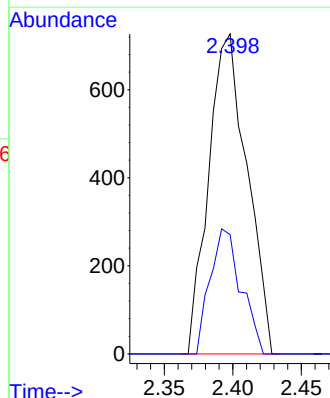
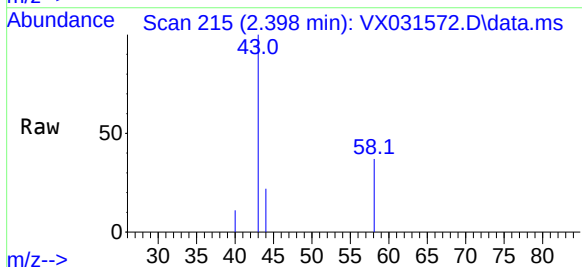
Acq: 22 Sep 2022 15:58

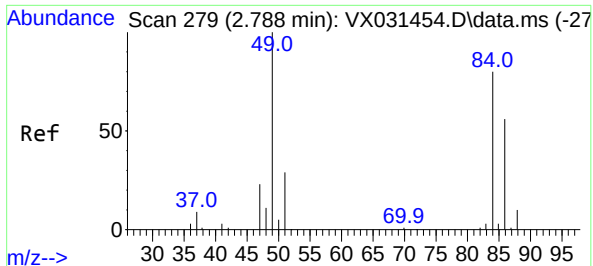
Tgt Ion: 43 Resp: 1418

Ion Ratio Lower Upper

43 100

58 37.3 23.8 35.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031572.D

Acq: 22 Sep 2022 15:58

Instrument :

MSVOA_X

ClientSampleId :

FB091422

Tgt Ion: 84 Resp: 328

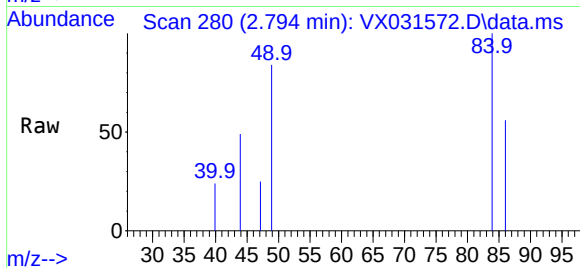
Ion Ratio Lower Upper

84 100

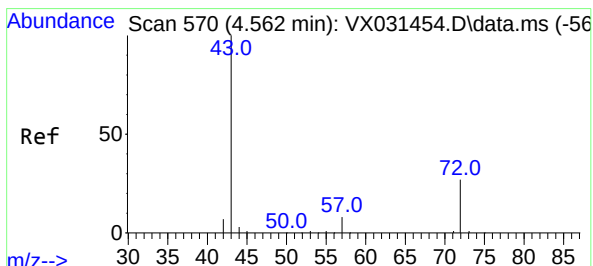
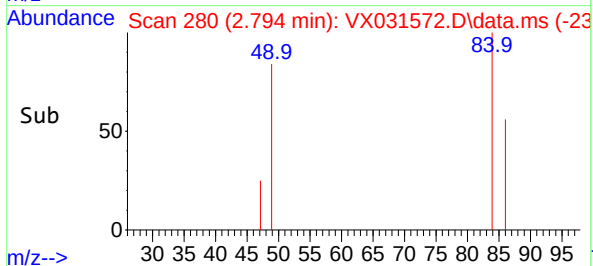
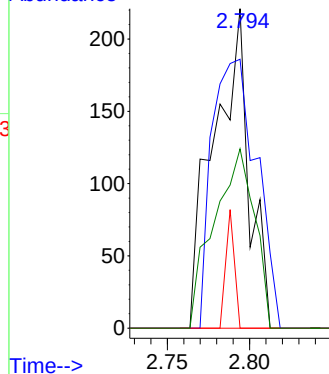
49 84.2 105.9 158.9#

51 0.0 32.2 48.2#

86 56.1 50.8 76.2



Abundance



#25

2-Butanone

Concen: 0.293 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.025 min

Lab File: VX031572.D

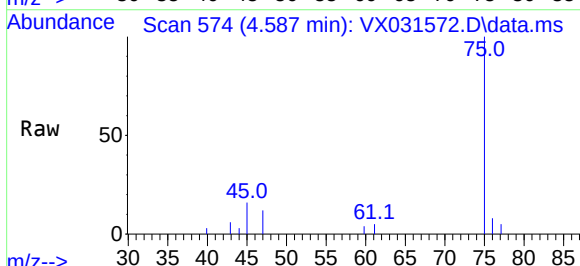
Acq: 22 Sep 2022 15:58

Tgt Ion: 43 Resp: 293

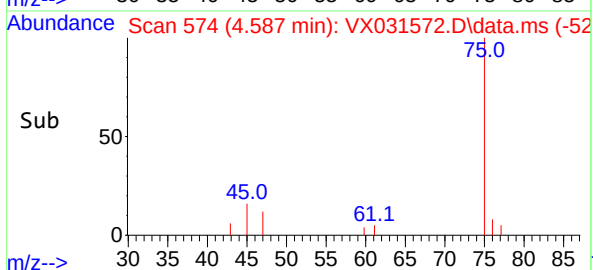
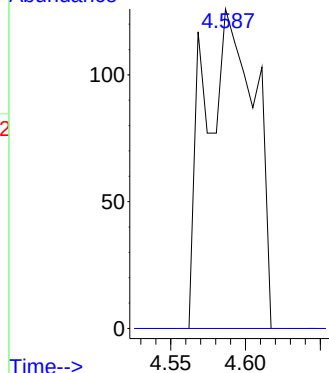
Ion Ratio Lower Upper

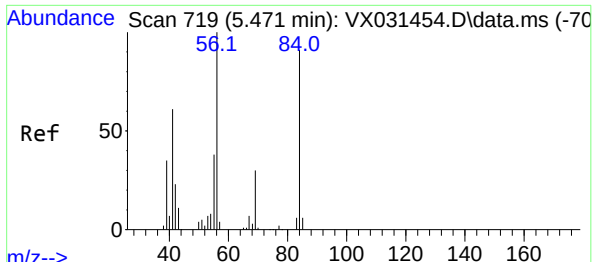
43 100

72 0.0 21.1 31.7#



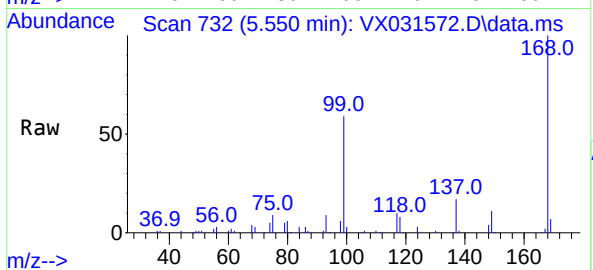
Abundance



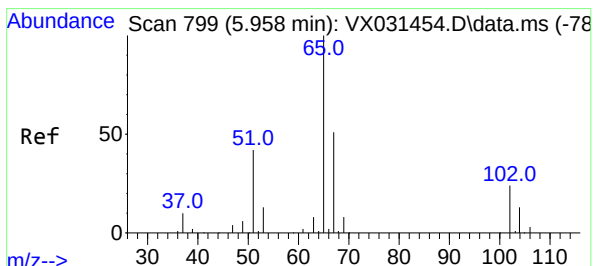
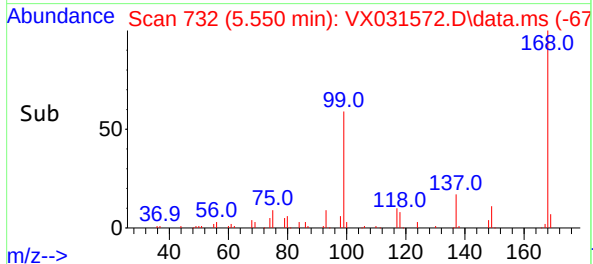
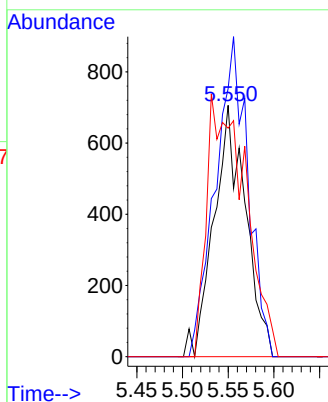


#31
Cyclohexane
Concen: 0.883 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

Instrument :
MSVOA_X
ClientSampleId :
FB091422

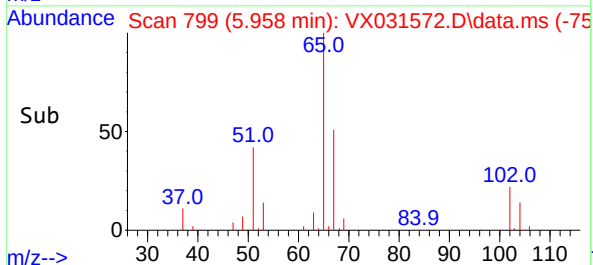
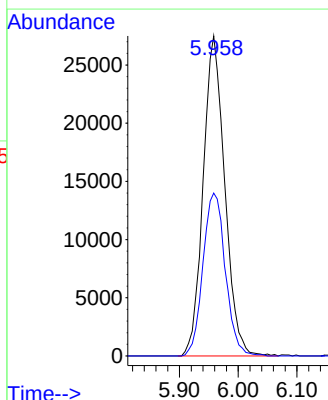
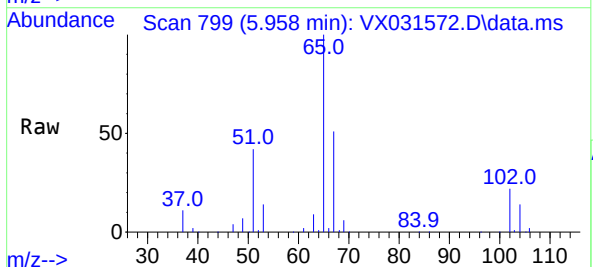


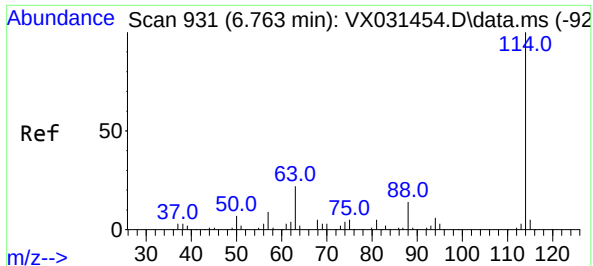
Tgt Ion: 56 Resp: 1694
Ion Ratio Lower Upper
56 100
69 106.7 25.1 37.7#
84 90.9 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 54.293 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

Tgt Ion: 65 Resp: 70257
Ion Ratio Lower Upper
65 100
67 52.7 0.0 102.4

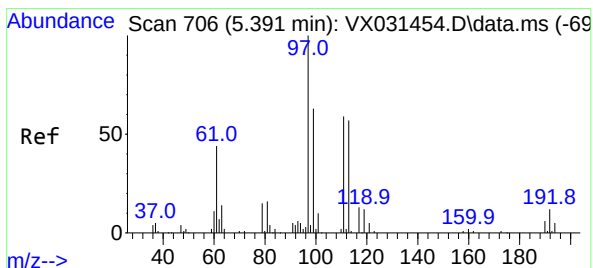
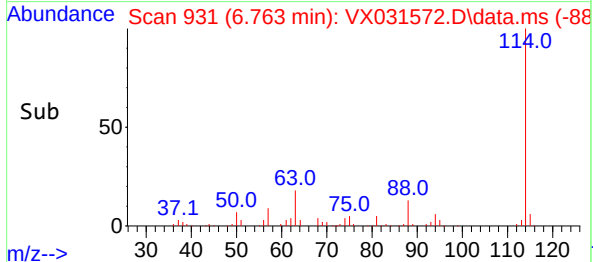
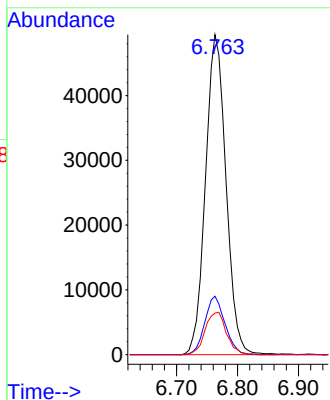
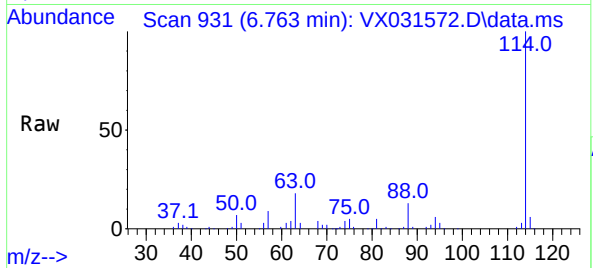




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

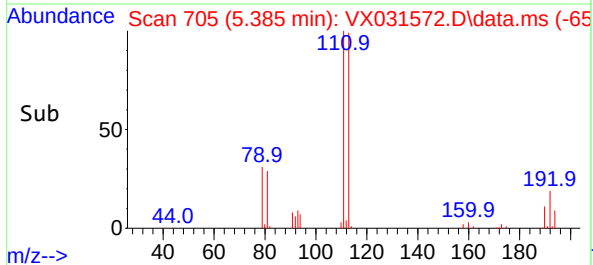
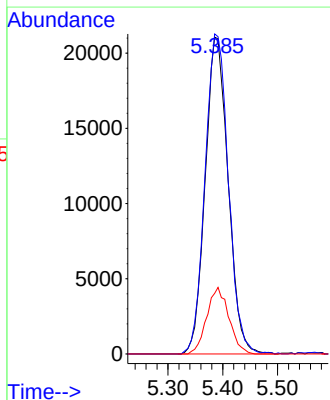
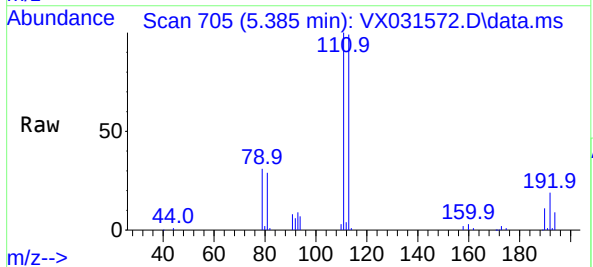
Instrument :
MSVOA_X
ClientSampleId :
FB091422

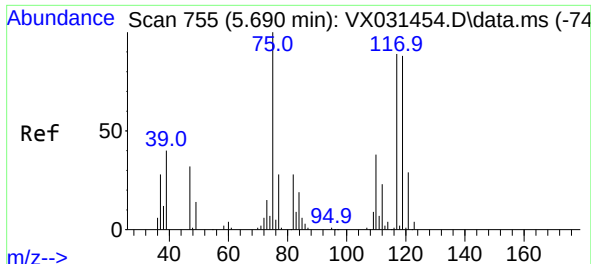
Tgt Ion:114 Resp: 115652
Ion Ratio Lower Upper
114 100
63 18.2 0.0 42.6
88 13.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.149 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

Tgt Ion:113 Resp: 61123
Ion Ratio Lower Upper
113 100
111 102.9 82.4 123.6
192 20.2 14.1 21.1

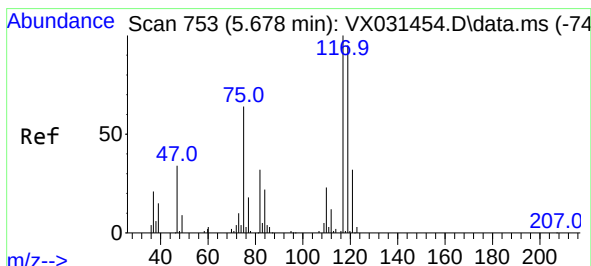
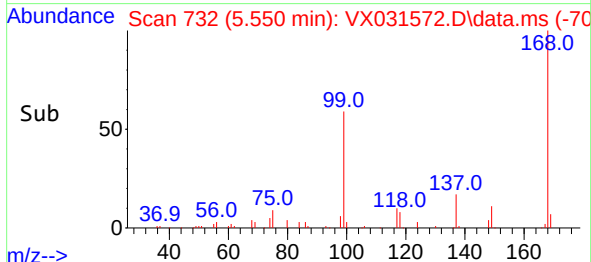
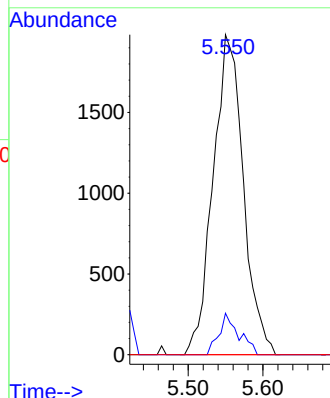
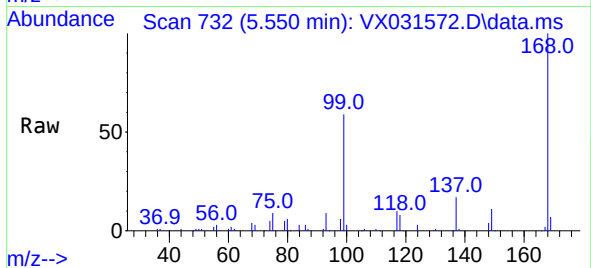




#36
1,1-Dichloropropene
Concen: 3.032 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

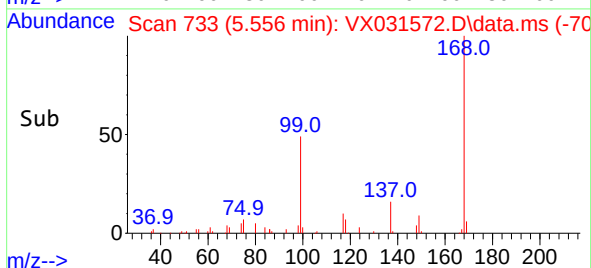
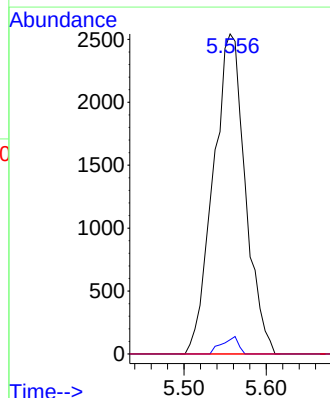
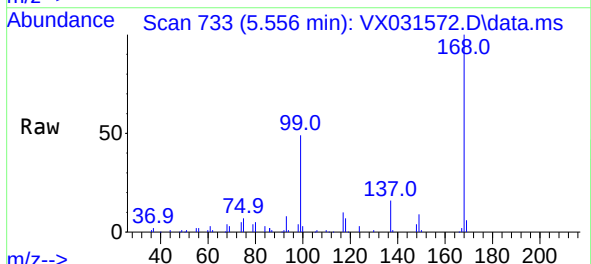
Instrument :
MSVOA_X
ClientSampleId :
FB091422

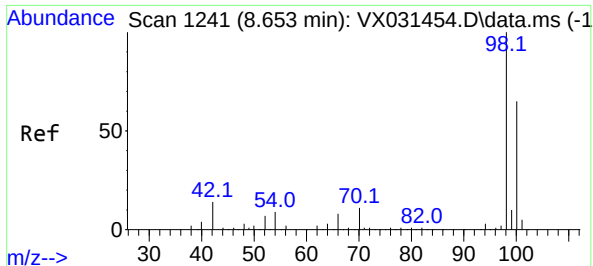
Tgt Ion: 75 Resp: 5573
Ion Ratio Lower Upper
75 100
110 8.5 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.383 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

Tgt Ion: 117 Resp: 6894
Ion Ratio Lower Upper
117 100
119 4.4 74.6 112.0#
121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 51.237 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031572.D

Acq: 22 Sep 2022 15:58

Instrument :

MSVOA_X

ClientSampleId :

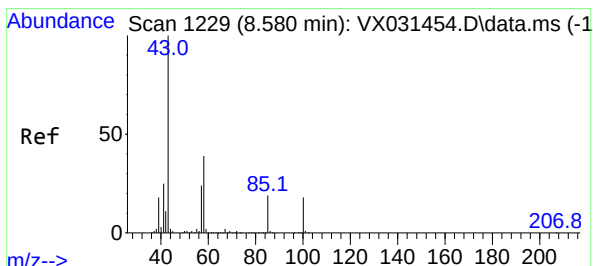
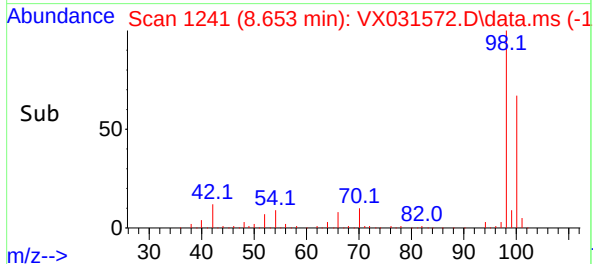
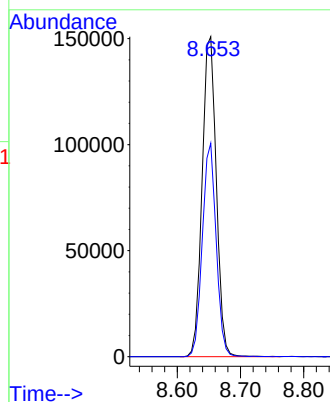
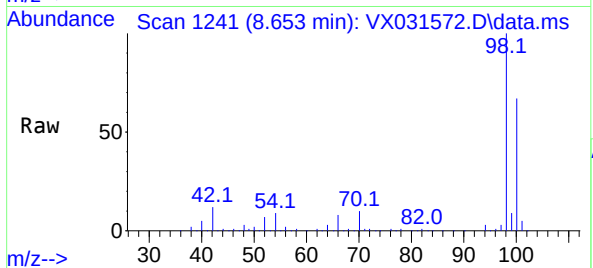
FB091422

Tgt Ion: 98 Resp: 236083

Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.539 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX031572.D

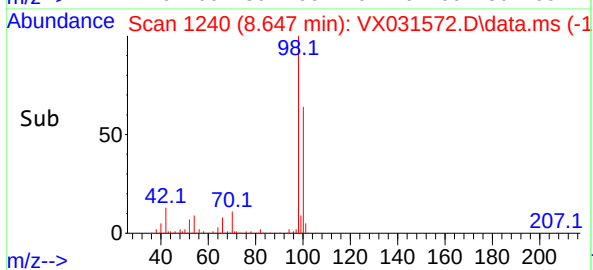
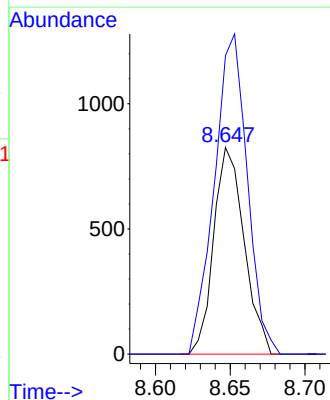
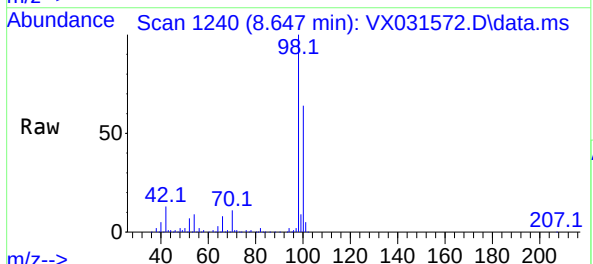
Acq: 22 Sep 2022 15:58

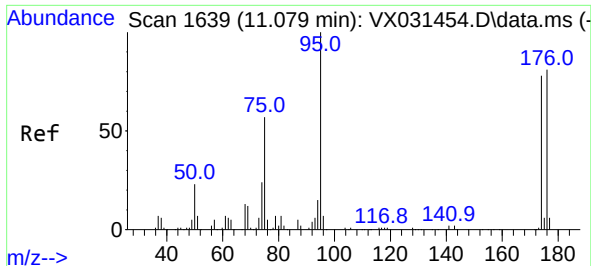
Tgt Ion: 43 Resp: 1168

Ion Ratio Lower Upper

43 100

58 167.7 30.6 46.0#

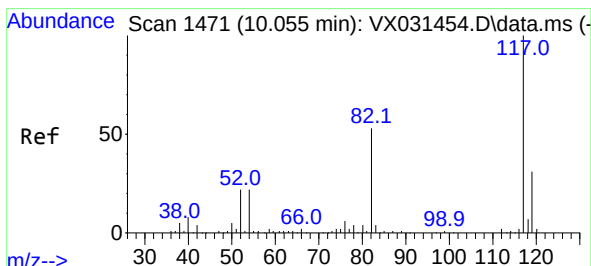
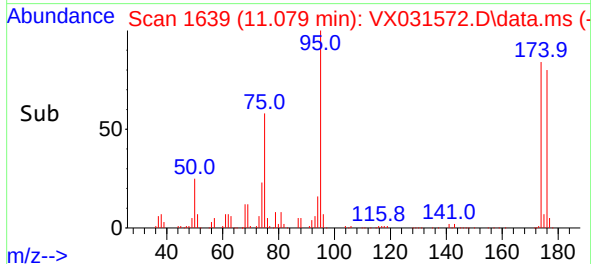
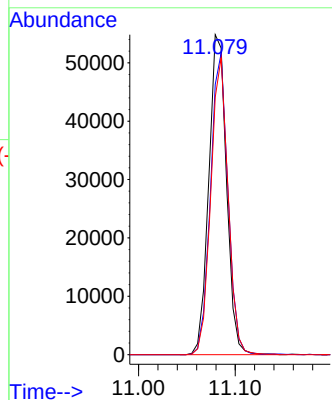
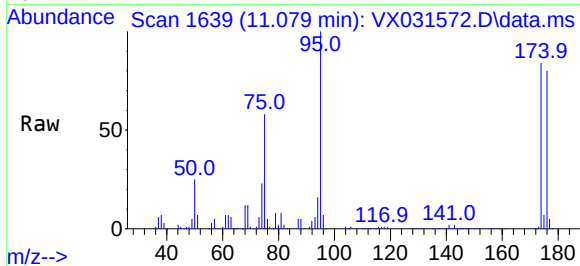




#62
4-Bromofluorobenzene
Concen: 44.942 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

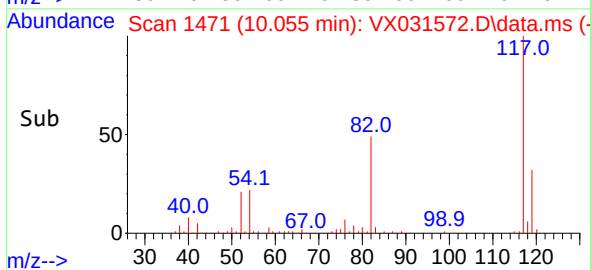
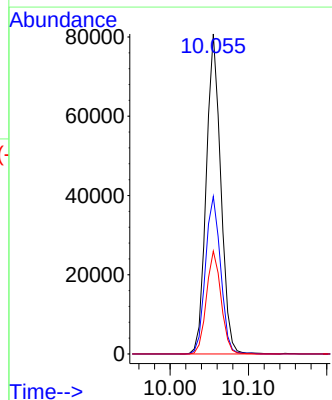
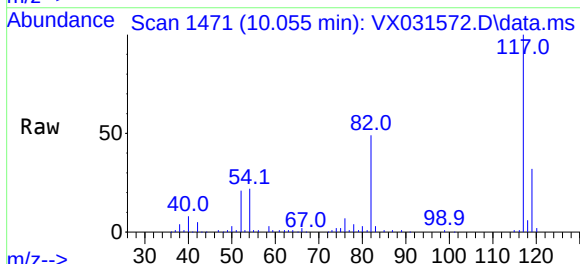
Instrument :
MSVOA_X
ClientSampleId :
FB091422

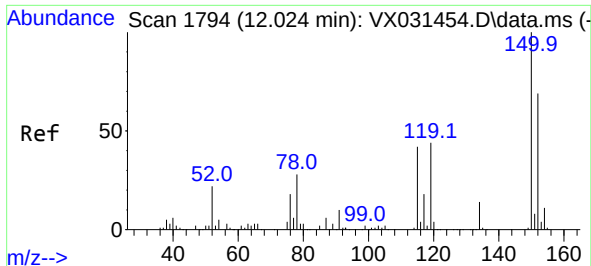
Tgt Ion: 95 Resp: 70143
Ion Ratio Lower Upper
95 100
174 92.5 0.0 153.2
176 89.9 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

Tgt Ion: 117 Resp: 103670
Ion Ratio Lower Upper
117 100
82 49.2 46.8 70.2
119 32.2 26.4 39.6

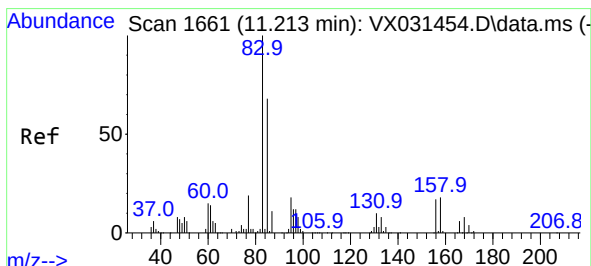
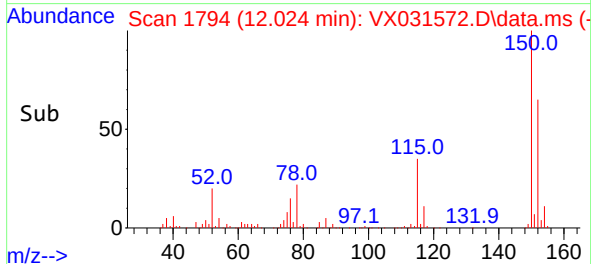
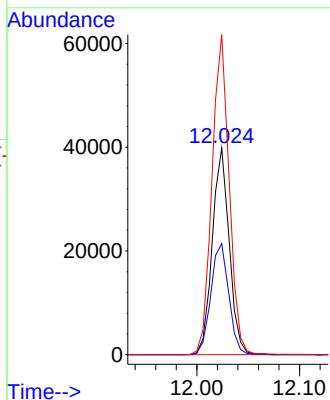
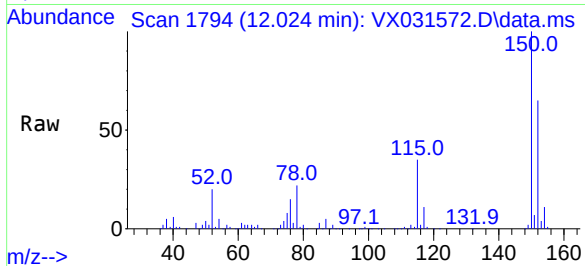




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

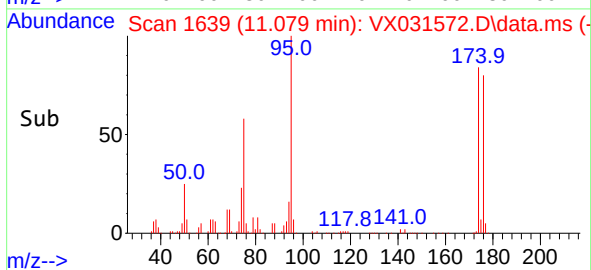
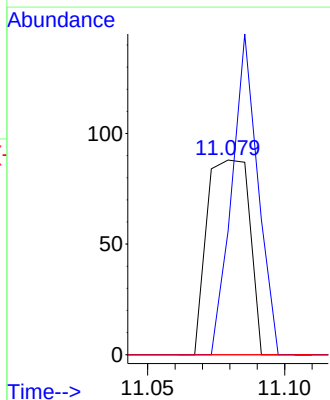
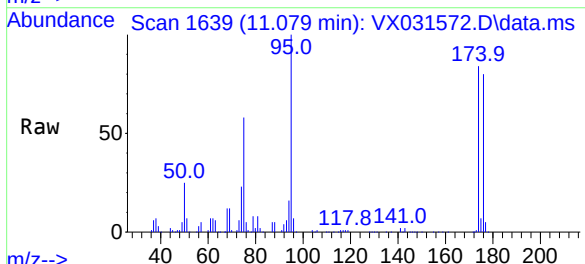
Instrument :
MSVOA_X
ClientSampleId :
FB091422

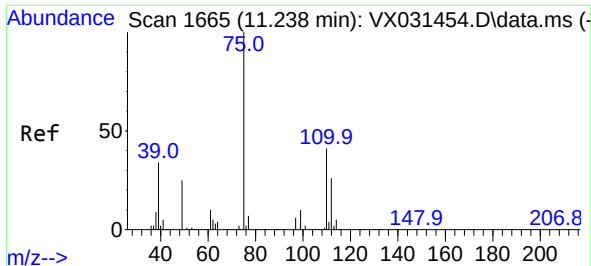
Tgt Ion:152 Resp: 45554
Ion Ratio Lower Upper
152 100
115 57.0 43.4 130.1
150 157.1 0.0 346.8



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

Tgt Ion: 83 Resp: 95
Ion Ratio Lower Upper
83 100
131 101.1 5.1 15.4#
85 0.0 32.6 97.8#

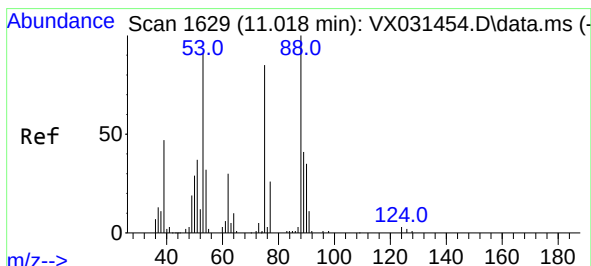
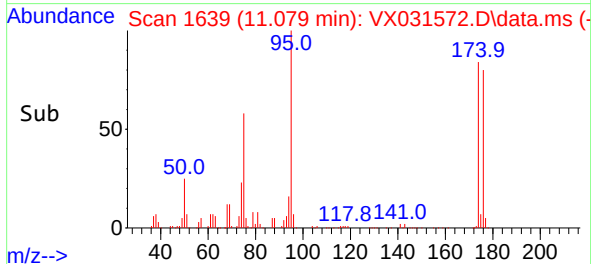
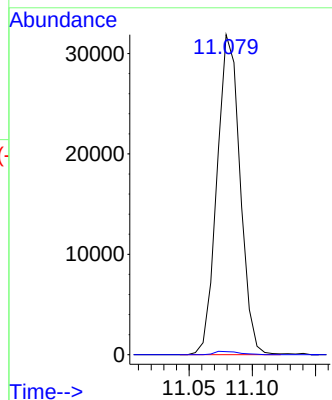
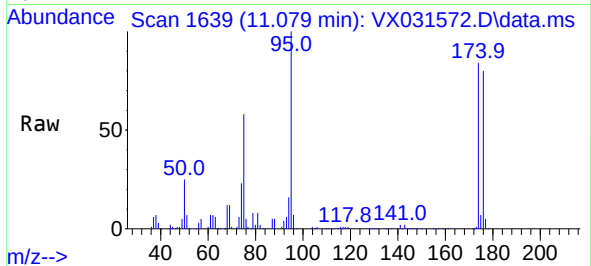




#76
1,2,3-Trichloropropane
Concen: 39.749 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

Instrument :
MSVOA_X
ClientSampleId :
FB091422

Tgt Ion: 75 Resp: 40413
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.985 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031572.D
Acq: 22 Sep 2022 15:58

Tgt Ion: 75 Resp: 40413
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

