

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092222\
 Data File : VX031578.D
 Acq On : 22 Sep 2022 18:18
 Operator : JC/MD
 Sample : N4728-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-3

Quant Time: Sep 23 01:50:09 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	66325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	107687	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	99980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45736	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68720	56.532	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.060%	
35) Dibromofluoromethane	5.385	113	59064	53.110	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.220%	
50) Toluene-d8	8.653	98	225868	52.646	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.300%	
62) 4-Bromofluorobenzene	11.079	95	68903	47.412	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.820%	

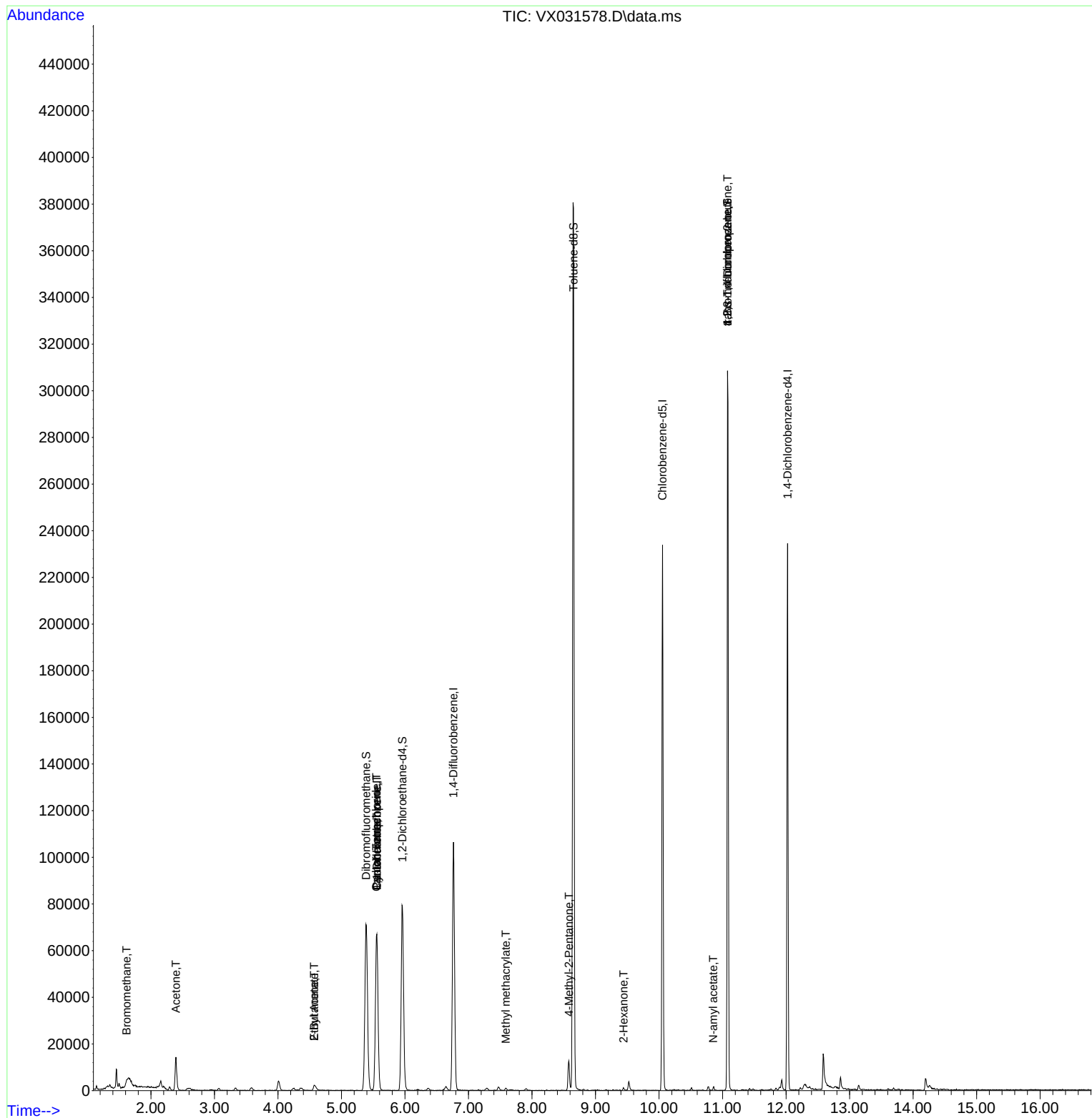
Target Compounds			Qvalue			
5) Bromomethane	1.618	94	534	0.260	ug/l #	67
6) Chloroethane	1.691	64	387	Below Cal	#	43
11) Tert butyl alcohol	2.971	59	45	Below Cal	#	73
13) Acrolein	2.239	56	327	Below Cal		88
16) Acetone	2.392	43	16335	21.471	ug/l	94
25) 2-Butanone	4.568	43	4741	5.049	ug/l #	85
31) Cyclohexane	5.556	56	1479	0.820	ug/l #	50
36) 1,1-Dichloropropene	5.556	75	4855	2.836	ug/l #	49
37) Ethyl Acetate	4.568	43	4741	2.322	ug/l #	68
38) Carbon Tetrachloride	5.550	117	6463	3.406	ug/l #	15
48) Methyl methacrylate	7.586	41	335	0.234	ug/l #	49
51) 4-Methyl-2-Pentanone	8.580	43	8443	4.182	ug/l	97
59) 2-Hexanone	9.439	43	814	0.537	ug/l	82
74) N-amyl acetate	10.854	43	374	0.270	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	11.079	83	126	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	39630	38.823	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	39630	125.005	ug/l #	11

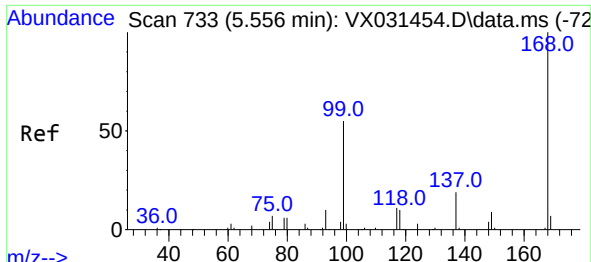
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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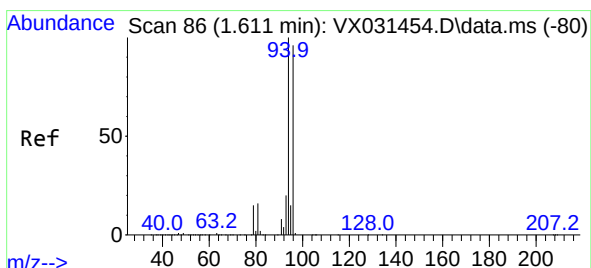
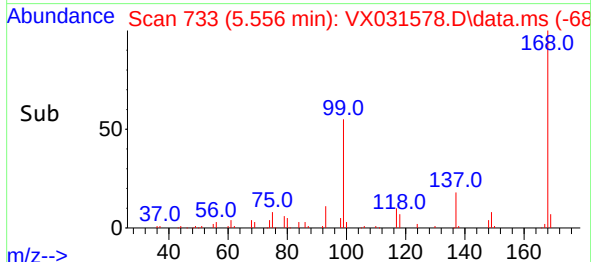
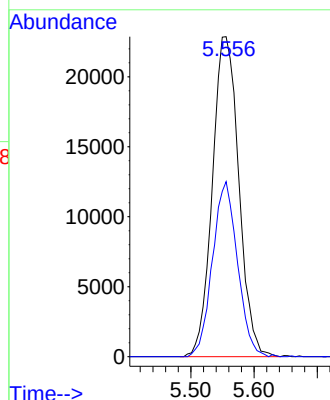
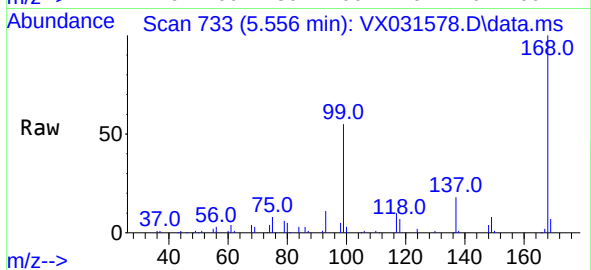




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

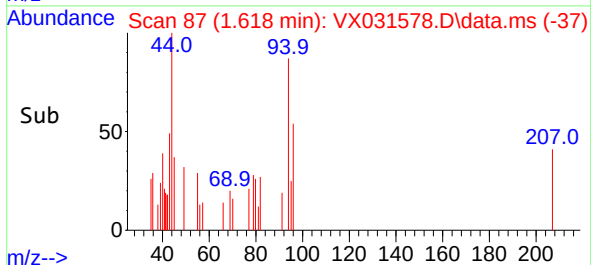
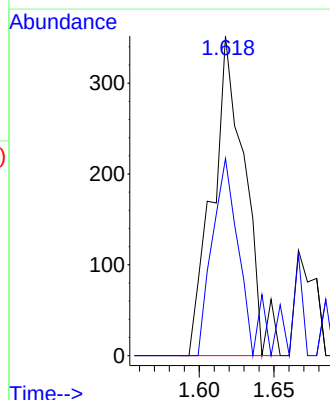
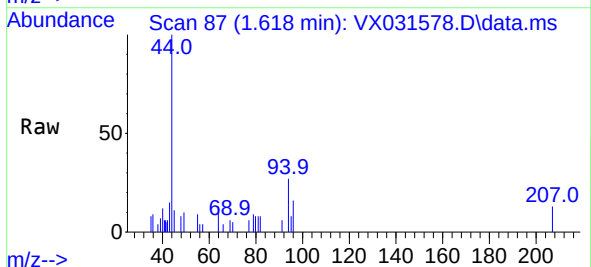
Instrument :
MSVOA_X
ClientSampleId :
OF-3

Tgt Ion:168 Resp: 66325
Ion Ratio Lower Upper
168 100
99 54.7 48.8 73.2

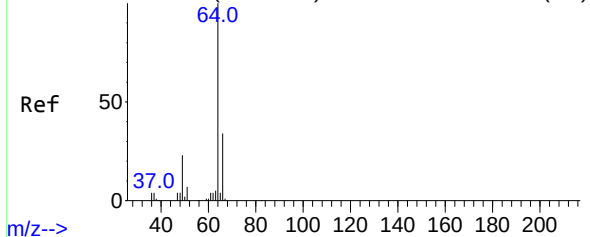


#5
Bromomethane
Concen: 0.260 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.007 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

Tgt Ion: 94 Resp: 534
Ion Ratio Lower Upper
94 100
96 61.6 74.4 111.6#



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



#6

Chloroethane

Concen: Below Cal

RT: 1.691 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX031578.D

Acq: 22 Sep 2022 18:18

Instrument :

MSVOA_X

ClientSampleId :

OF-3

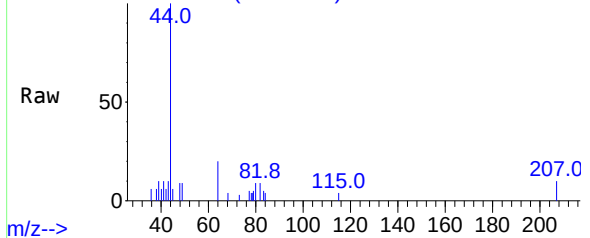
Tgt Ion: 64 Resp: 387

Ion Ratio Lower Upper

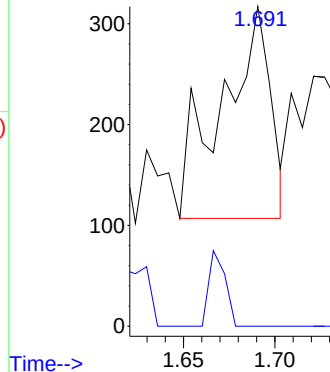
64 100

66 0.0 25.0 37.4#

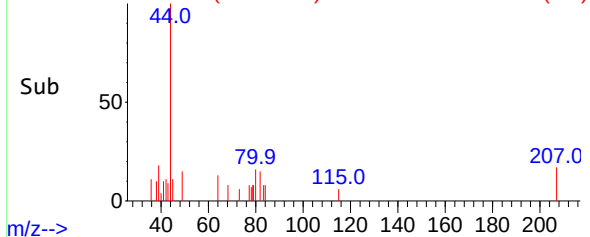
Abundance Scan 99 (1.691 min): VX031578.D\data.ms



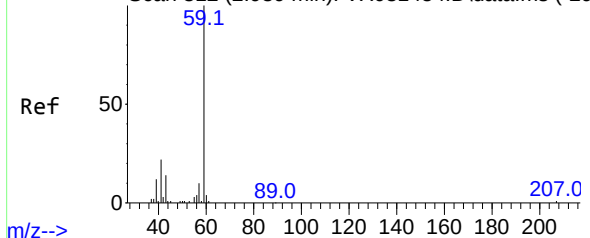
Abundance



Abundance Scan 99 (1.691 min): VX031578.D\data.ms (-49)



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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.971 min Scan# 309

Delta R.T. -0.018 min

Lab File: VX031578.D

Acq: 22 Sep 2022 18:18

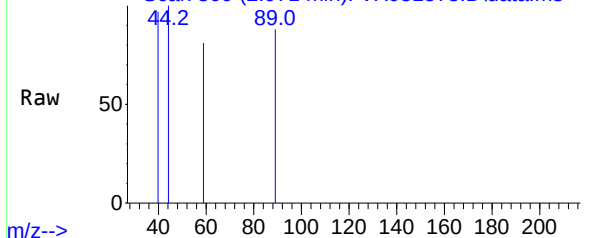
Tgt Ion: 59 Resp: 45

Ion Ratio Lower Upper

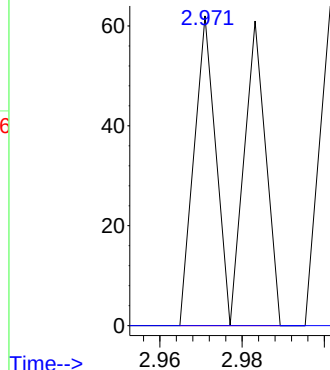
59 100

57 0.0 8.2 12.2#

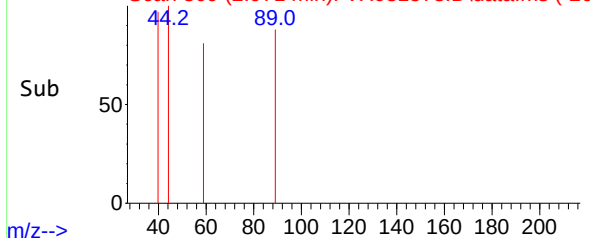
Abundance Scan 309 (2.971 min): VX031578.D\data.ms



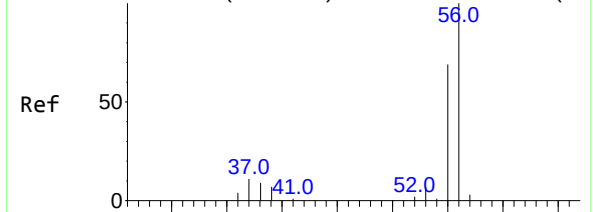
Abundance



Abundance Scan 309 (2.971 min): VX031578.D\data.ms (-26)

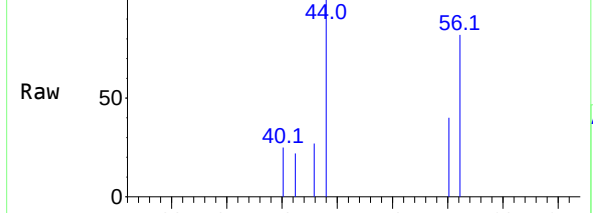


Abundance Scan 189 (2.239 min): VX031454.D\data.ms (-18



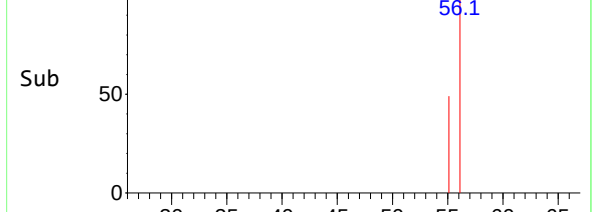
m/z-->

Abundance Scan 189 (2.239 min): VX031578.D\data.ms



m/z-->

Abundance Scan 189 (2.239 min): VX031578.D\data.ms (-14



m/z-->

#13

Acrolein

Concen: Below Cal

RT: 2.239 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031578.D

Acq: 22 Sep 2022 18:18

Instrument :

MSVOA_X

ClientSampleId :

OF-3

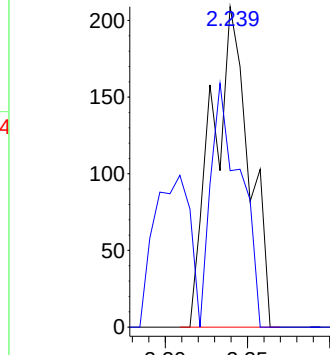
Tgt Ion: 56 Resp: 327

Ion Ratio Lower Upper

56 100

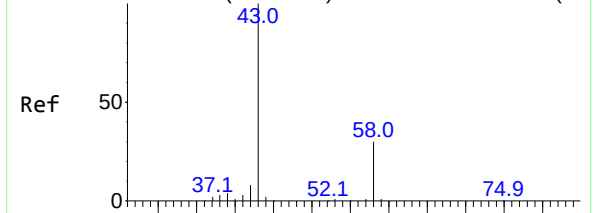
55 60.6 56.0 84.0

Abundance



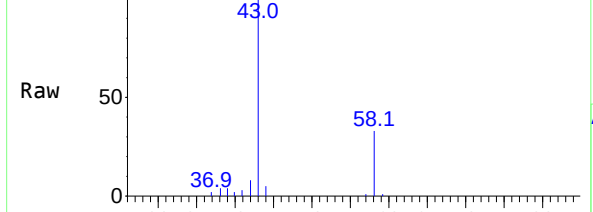
Time-->

Abundance Scan 213 (2.386 min): VX031454.D\data.ms (-20



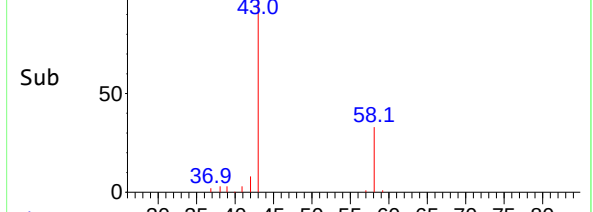
m/z-->

Abundance Scan 214 (2.392 min): VX031578.D\data.ms



m/z-->

Abundance Scan 214 (2.392 min): VX031578.D\data.ms (-16



m/z-->

#16

Acetone

Concen: 21.471 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX031578.D

Acq: 22 Sep 2022 18:18

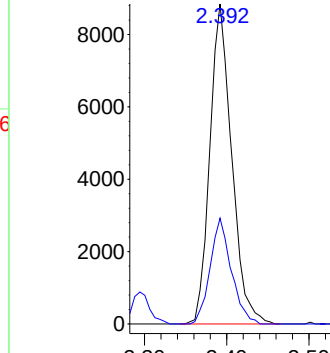
Tgt Ion: 43 Resp: 16335

Ion Ratio Lower Upper

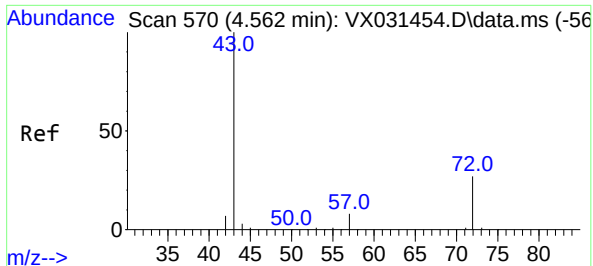
43 100

58 33.1 23.8 35.8

Abundance



Time-->



#25

2-Butanone

Concen: 5.049 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX031578.D

Acq: 22 Sep 2022 18:18

Instrument :

MSVOA_X

ClientSampleId :

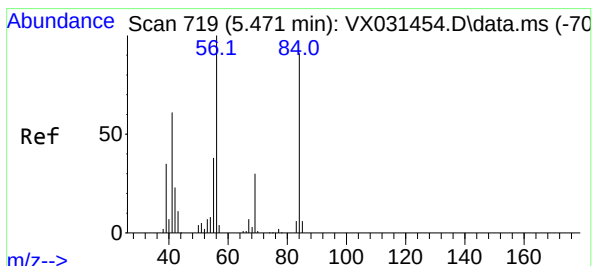
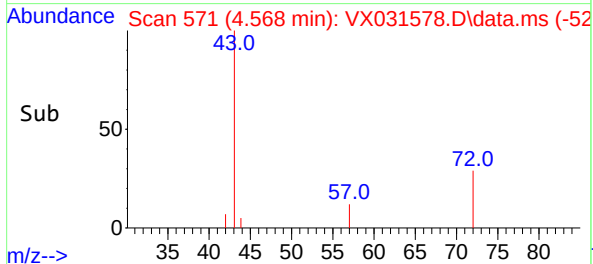
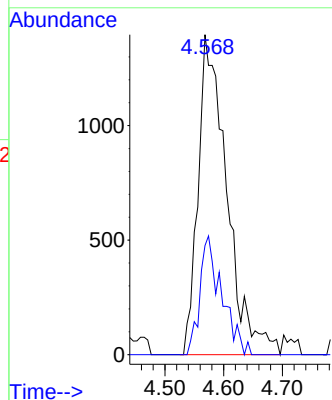
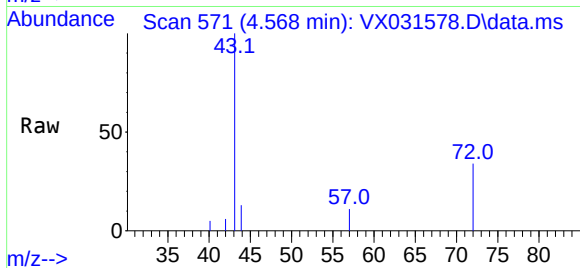
OF-3

Tgt Ion: 43 Resp: 4741

Ion Ratio Lower Upper

43 100

72 34.1 21.1 31.7#



#31

Cyclohexane

Concen: 0.820 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX031578.D

Acq: 22 Sep 2022 18:18

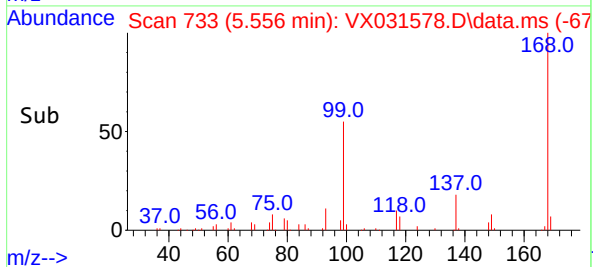
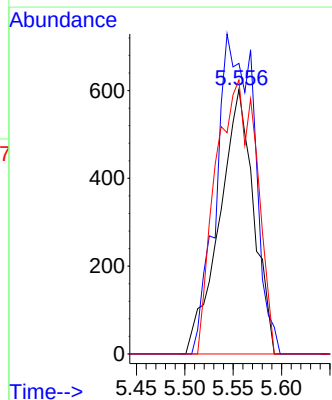
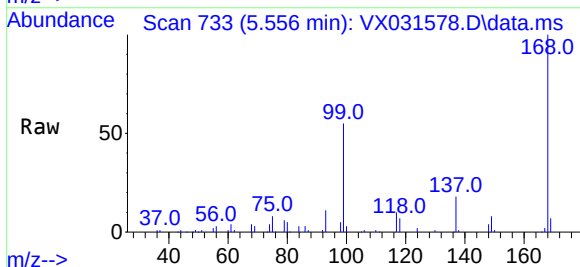
Tgt Ion: 56 Resp: 1479

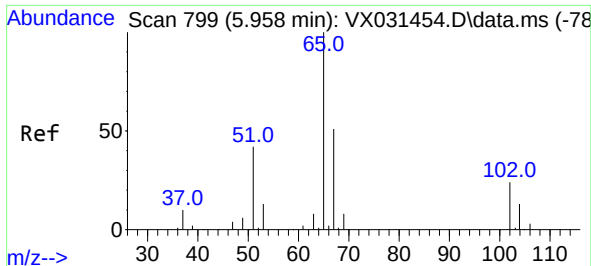
Ion Ratio Lower Upper

56 100

69 110.0 25.1 37.7#

84 103.7 70.2 105.4

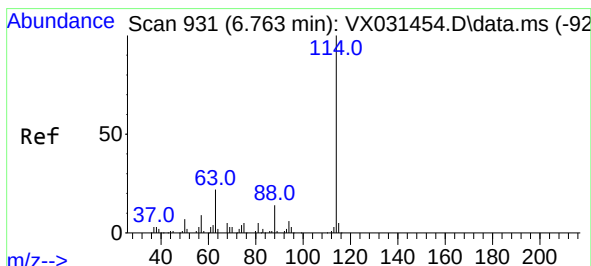
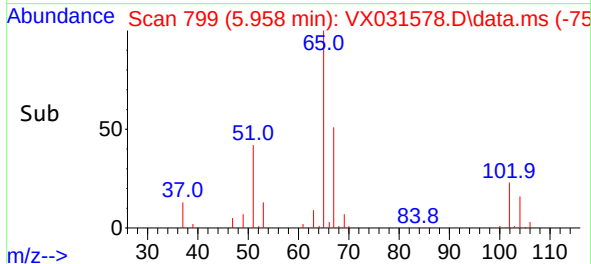
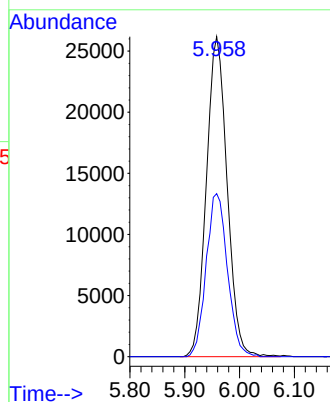
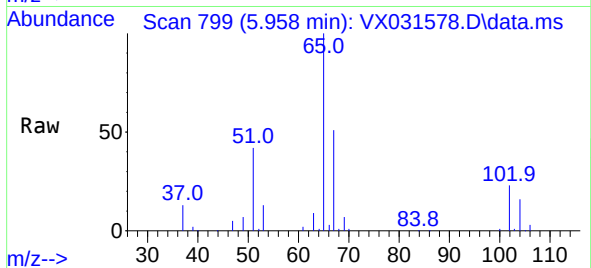




#33
 1,2-Dichloroethane-d4
 Concen: 56.532 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX031578.D
 Acq: 22 Sep 2022 18:18

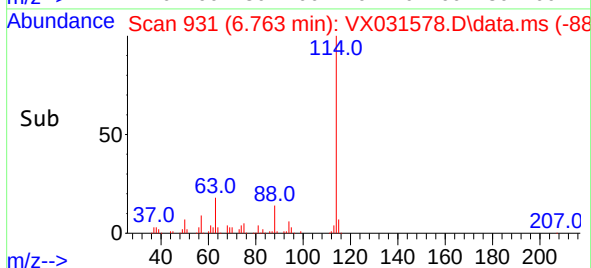
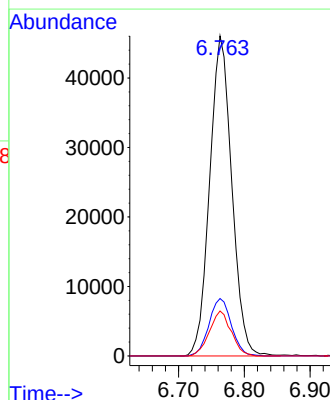
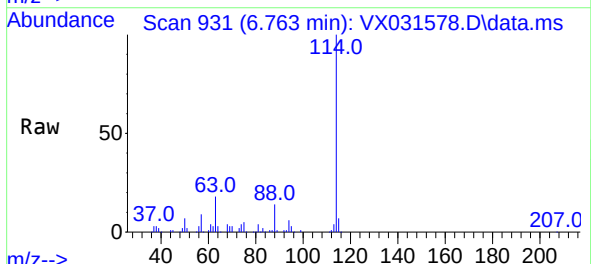
Instrument :
 MSVOA_X
 ClientSampleId :
 OF-3

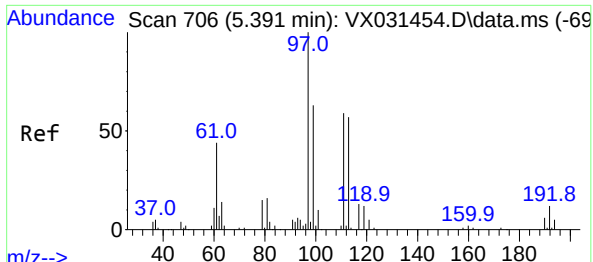
Tgt Ion: 65 Resp: 68720
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX031578.D
 Acq: 22 Sep 2022 18:18

Tgt Ion: 114 Resp: 107687
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 42.6
 88 14.1 0.0 33.0

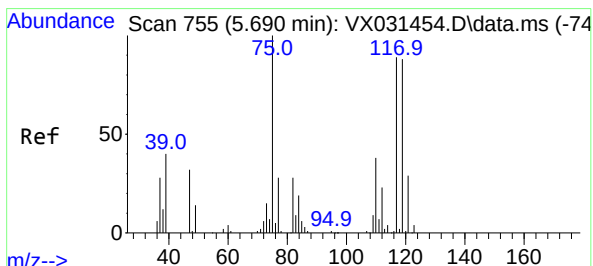
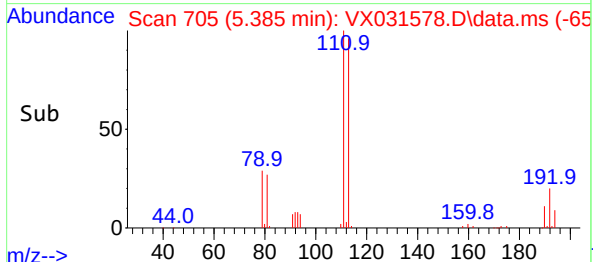
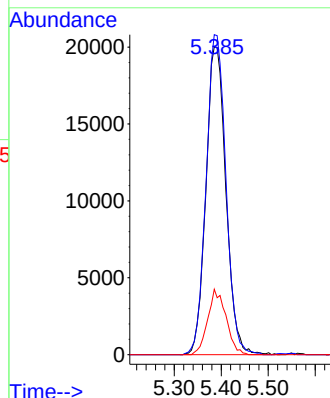
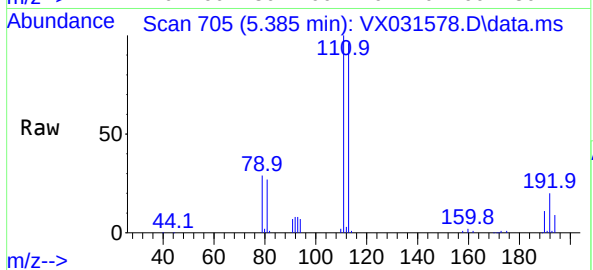




#35
Dibromofluoromethane
Concen: 53.110 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

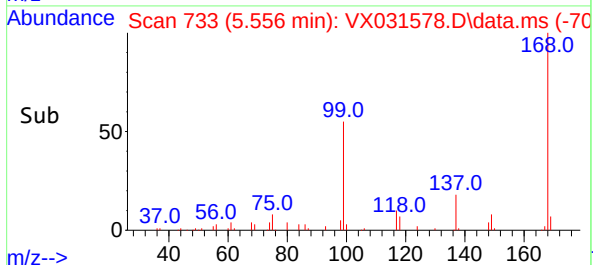
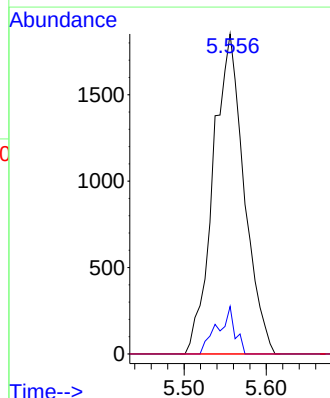
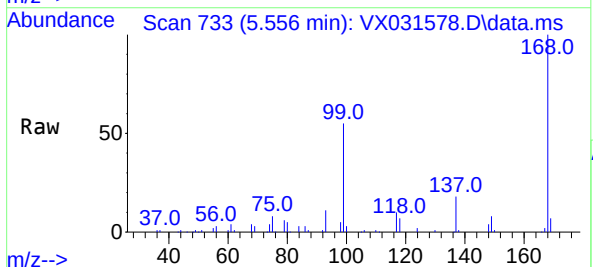
Instrument :
MSVOA_X
ClientSampleId :
OF-3

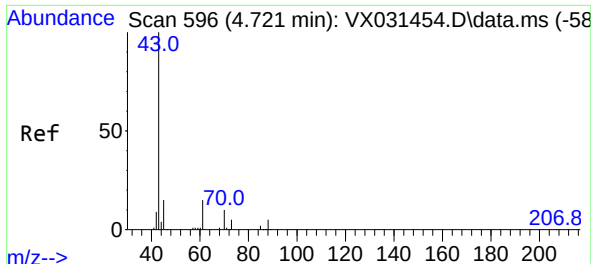
Tgt Ion:113 Resp: 59064
Ion Ratio Lower Upper
113 100
111 102.9 82.4 123.6
192 19.5 14.1 21.1



#36
1,1-Dichloropropene
Concen: 2.836 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

Tgt Ion: 75 Resp: 4855
Ion Ratio Lower Upper
75 100
110 8.4 17.5 52.5#
77 0.0 24.9 37.3#

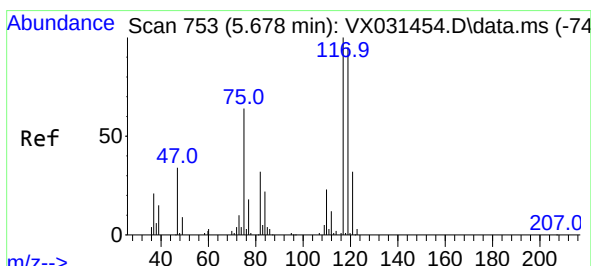
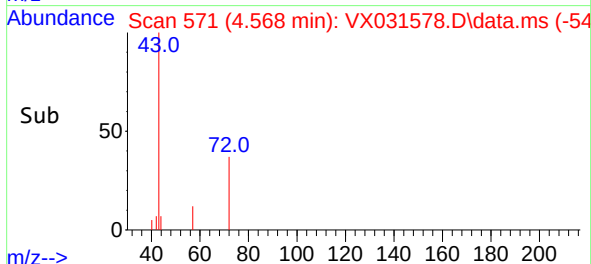
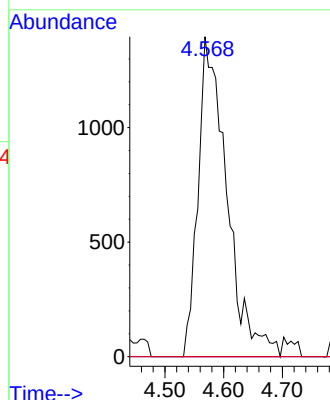
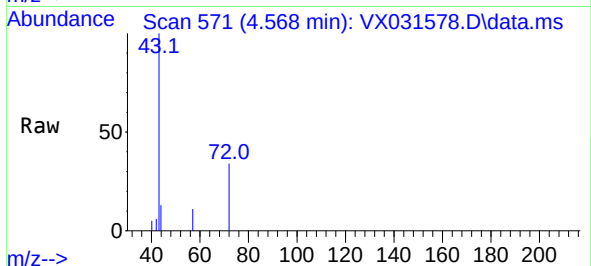




#37
Ethyl Acetate
Concen: 2.322 ug/l
RT: 4.568 min Scan# 51
Delta R.T. -0.153 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

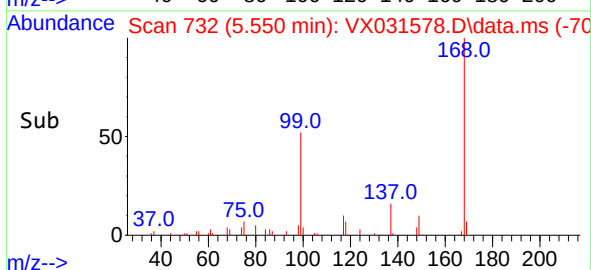
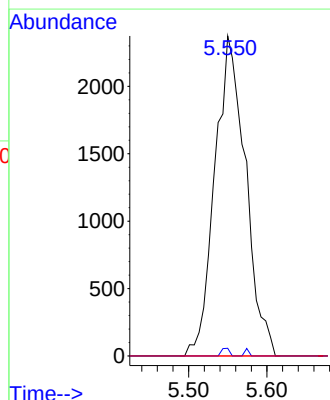
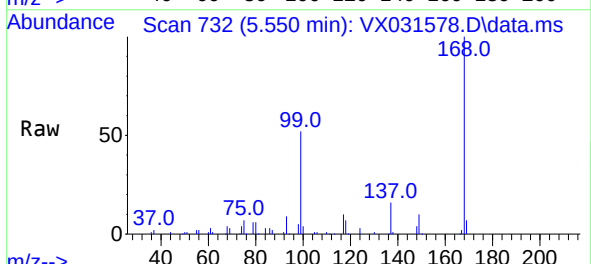
Instrument :
MSVOA_X
ClientSampleId :
OF-3

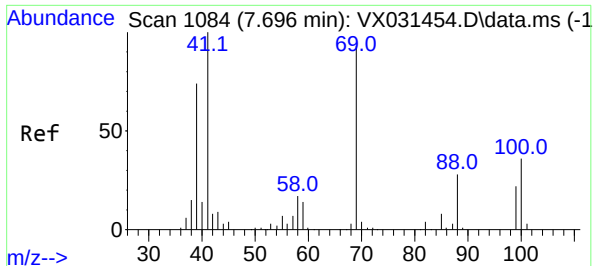
Tgt Ion: 43 Resp: 4741
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.6 13.0#



#38
Carbon Tetrachloride
Concen: 3.406 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

Tgt Ion: 117 Resp: 6463
Ion Ratio Lower Upper
117 100
119 2.4 74.6 112.0#
121 0.0 25.3 37.9#





#48

Methyl methacrylate

Concen: 0.234 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. -0.110 min

Lab File: VX031578.D

Acq: 22 Sep 2022 18:18

Instrument :

MSVOA_X

ClientSampleId :

OF-3

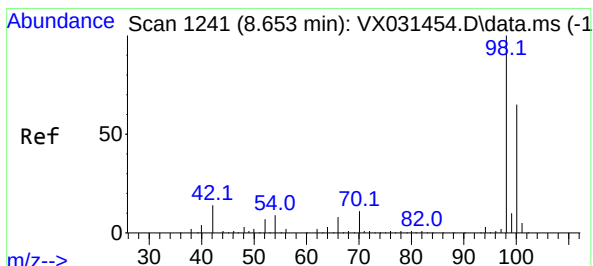
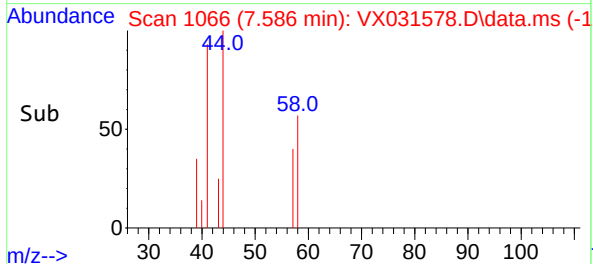
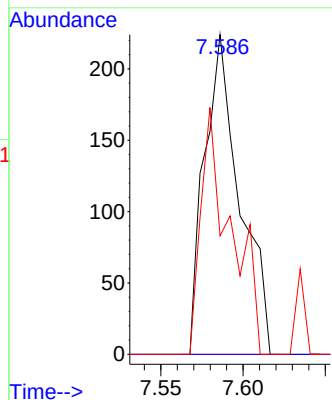
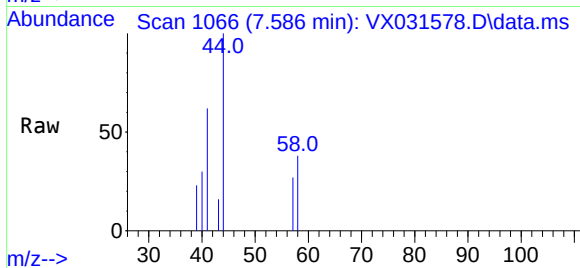
Tgt Ion: 41 Resp: 335

Ion Ratio Lower Upper

41 100

69 0.0 64.6 96.8#

39 65.1 51.4 77.0



#50

Toluene-d8

Concen: 52.646 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031578.D

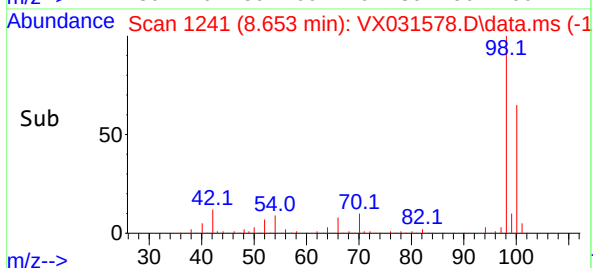
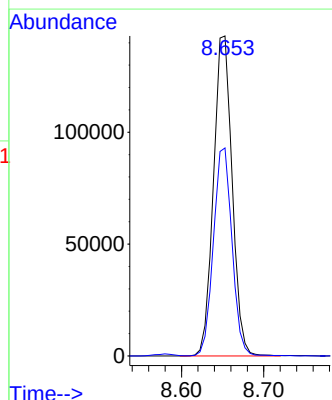
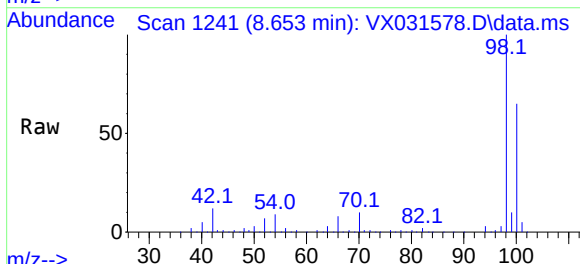
Acq: 22 Sep 2022 18:18

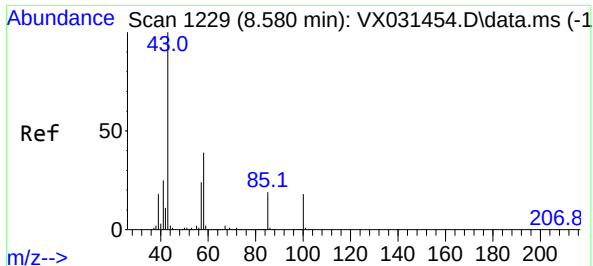
Tgt Ion: 98 Resp: 225868

Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7

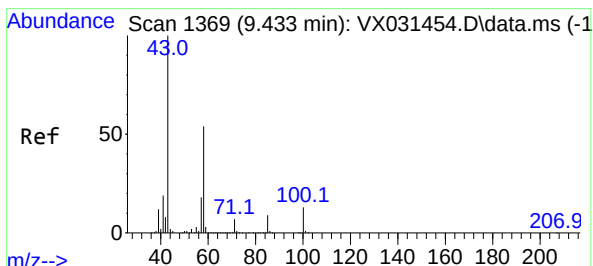
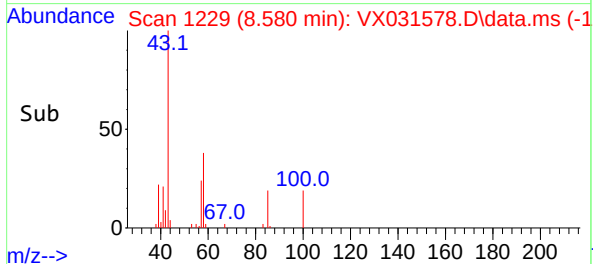
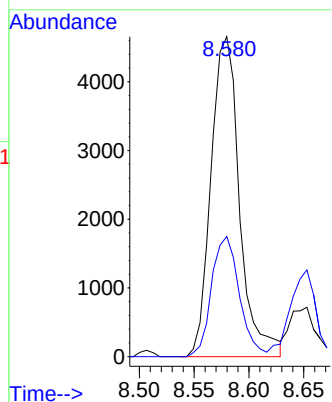
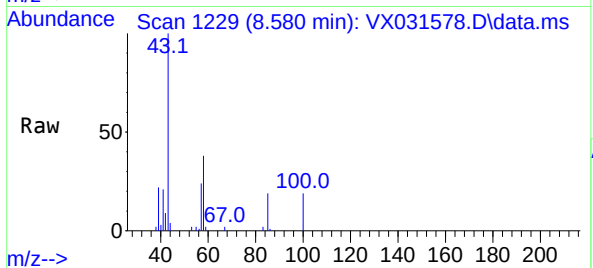




#51
4-Methyl-2-Pentanone
Concen: 4.182 ug/l
RT: 8.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

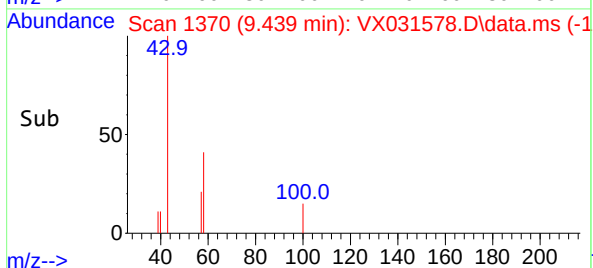
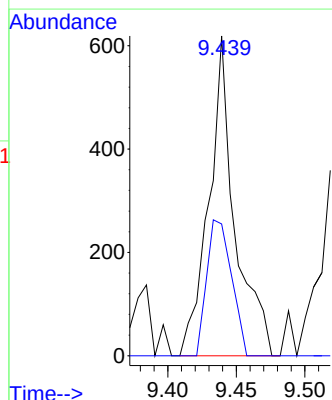
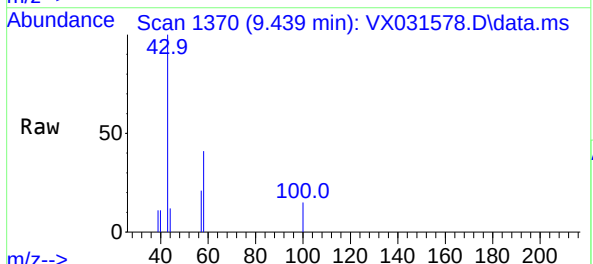
Instrument :
MSVOA_X
ClientSampleId :
OF-3

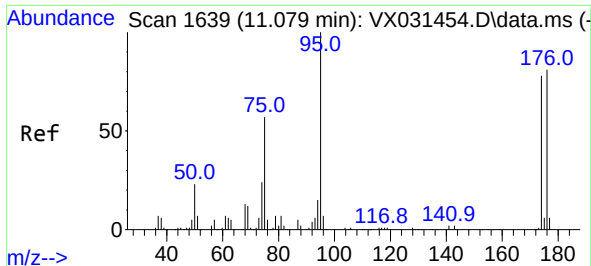
Tgt Ion: 43 Resp: 8443
Ion Ratio Lower Upper
43 100
58 36.6 30.6 46.0



#59
2-Hexanone
Concen: 0.537 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

Tgt Ion: 43 Resp: 814
Ion Ratio Lower Upper
43 100
58 40.4 26.7 80.0

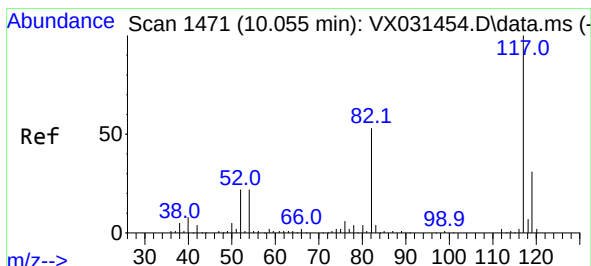
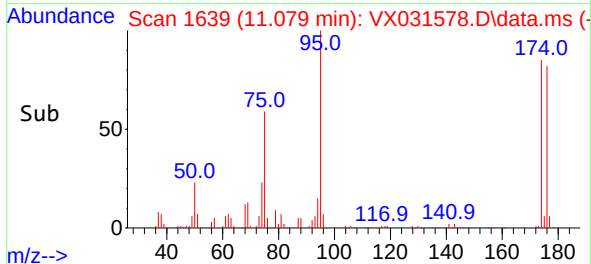
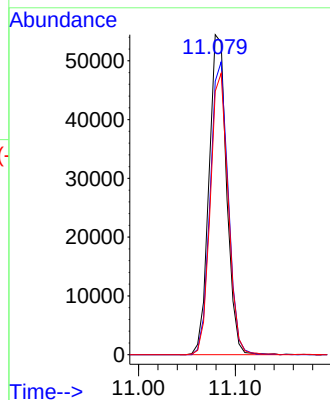
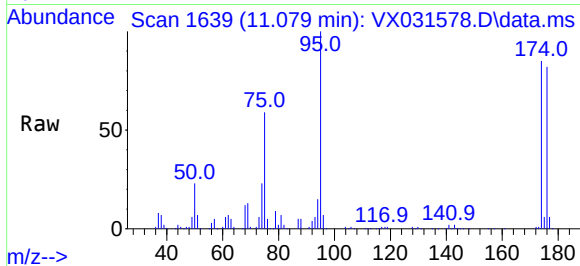




#62
4-Bromofluorobenzene
Concen: 47.412 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

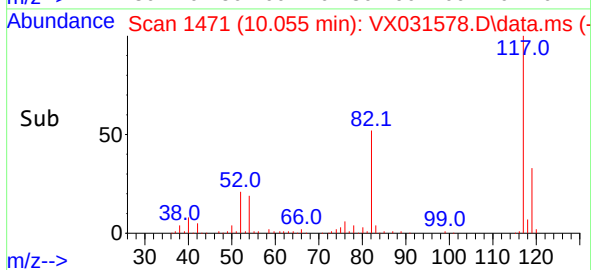
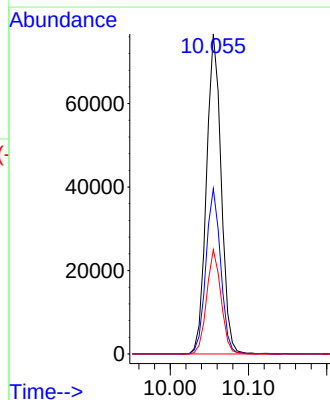
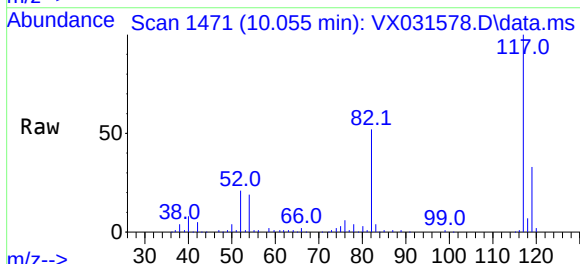
Instrument :
MSVOA_X
ClientSampleId :
OF-3

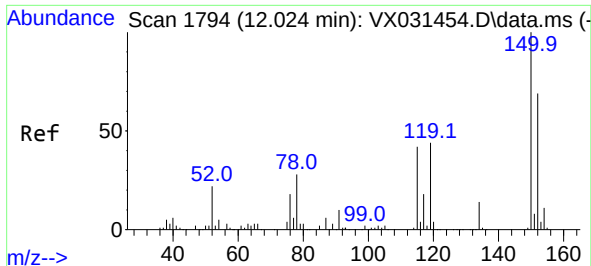
Tgt Ion: 95 Resp: 68903
Ion Ratio Lower Upper
95 100
174 93.0 0.0 153.2
176 88.8 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

Tgt Ion: 117 Resp: 99980
Ion Ratio Lower Upper
117 100
82 51.6 46.8 70.2
119 32.6 26.4 39.6

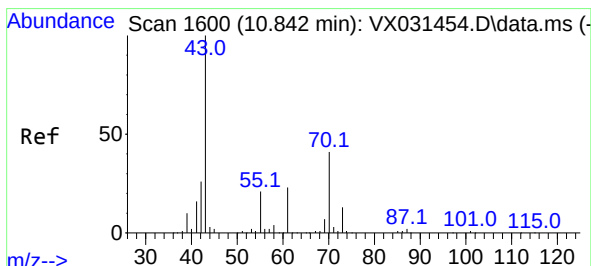
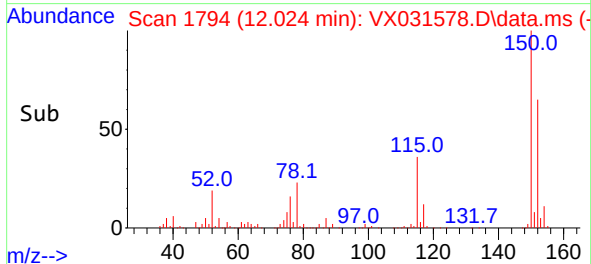
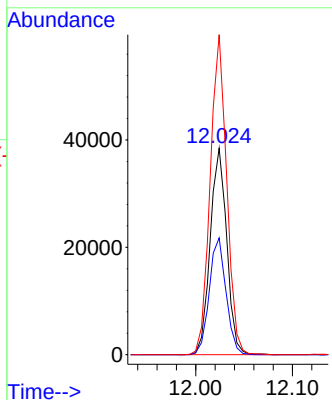
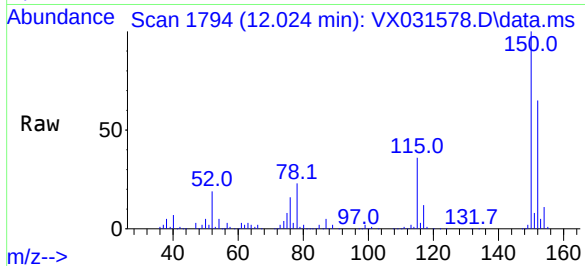




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

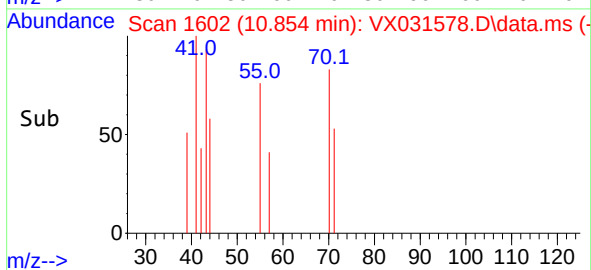
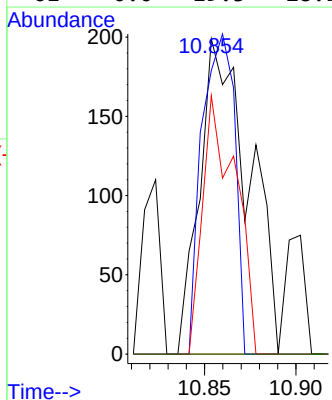
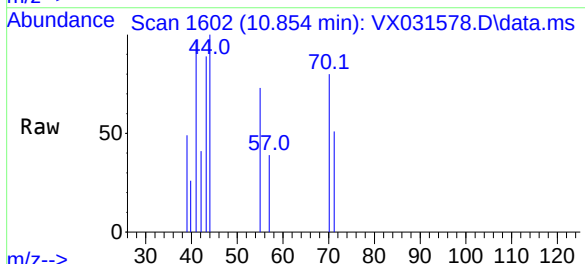
Instrument :
MSVOA_X
ClientSampleId :
OF-3

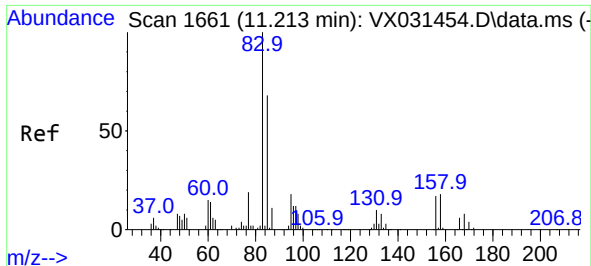
Tgt Ion:152 Resp: 45736
Ion Ratio Lower Upper
152 100
115 57.2 43.4 130.1
150 154.3 0.0 346.8



#74
N-ethyl acetate
Concen: 0.270 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

Tgt Ion: 43 Resp: 374
Ion Ratio Lower Upper
43 100
70 67.4 33.4 50.2#
55 55.1 18.2 27.2#
61 0.0 19.3 28.9#

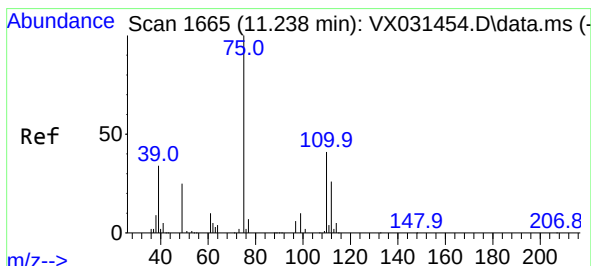
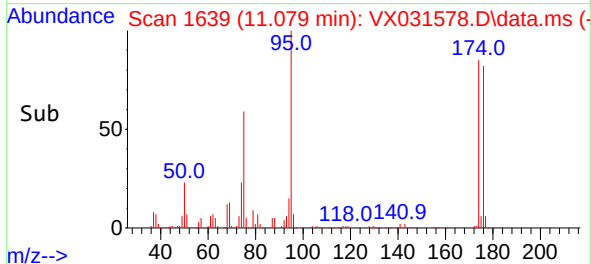
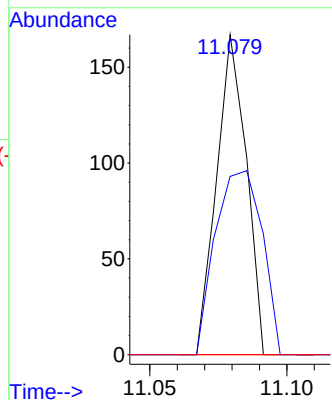
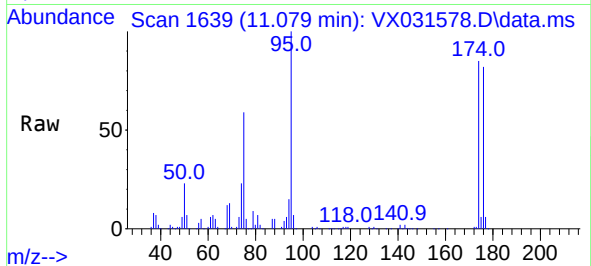




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

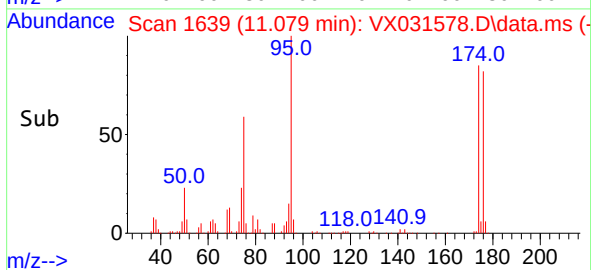
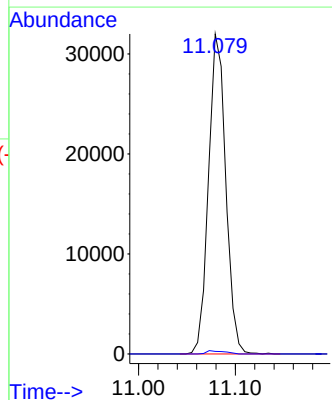
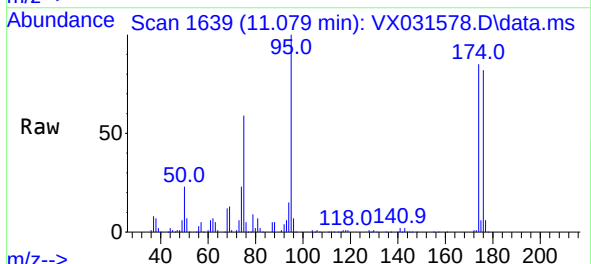
Instrument :
MSVOA_X
ClientSampleId :
OF-3

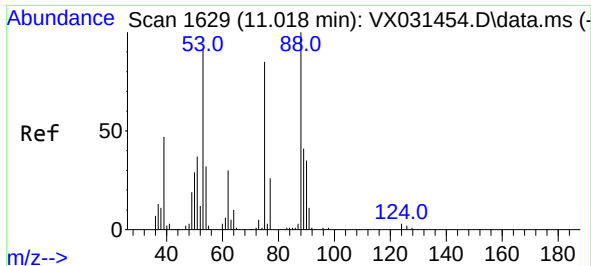
Tgt Ion: 83 Resp: 126
Ion Ratio Lower Upper
83 100
131 90.5 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 38.823 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031578.D
Acq: 22 Sep 2022 18:18

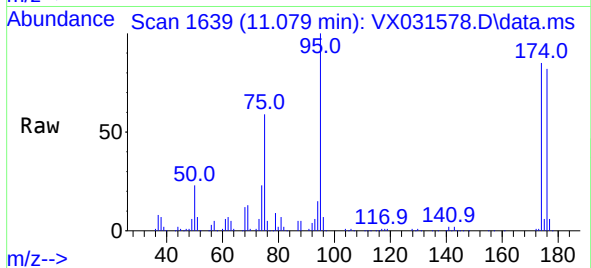
Tgt Ion: 75 Resp: 39630
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.005 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031578.D
 Acq: 22 Sep 2022 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-3



Tgt Ion: 75 Resp: 39630
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

