

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102122\
 Data File : VX032302.D
 Acq On : 21 Oct 2022 20:25
 Operator : JC/MD
 Sample : N5248-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-17-20221018

Quant Time: Oct 22 05:15:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

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

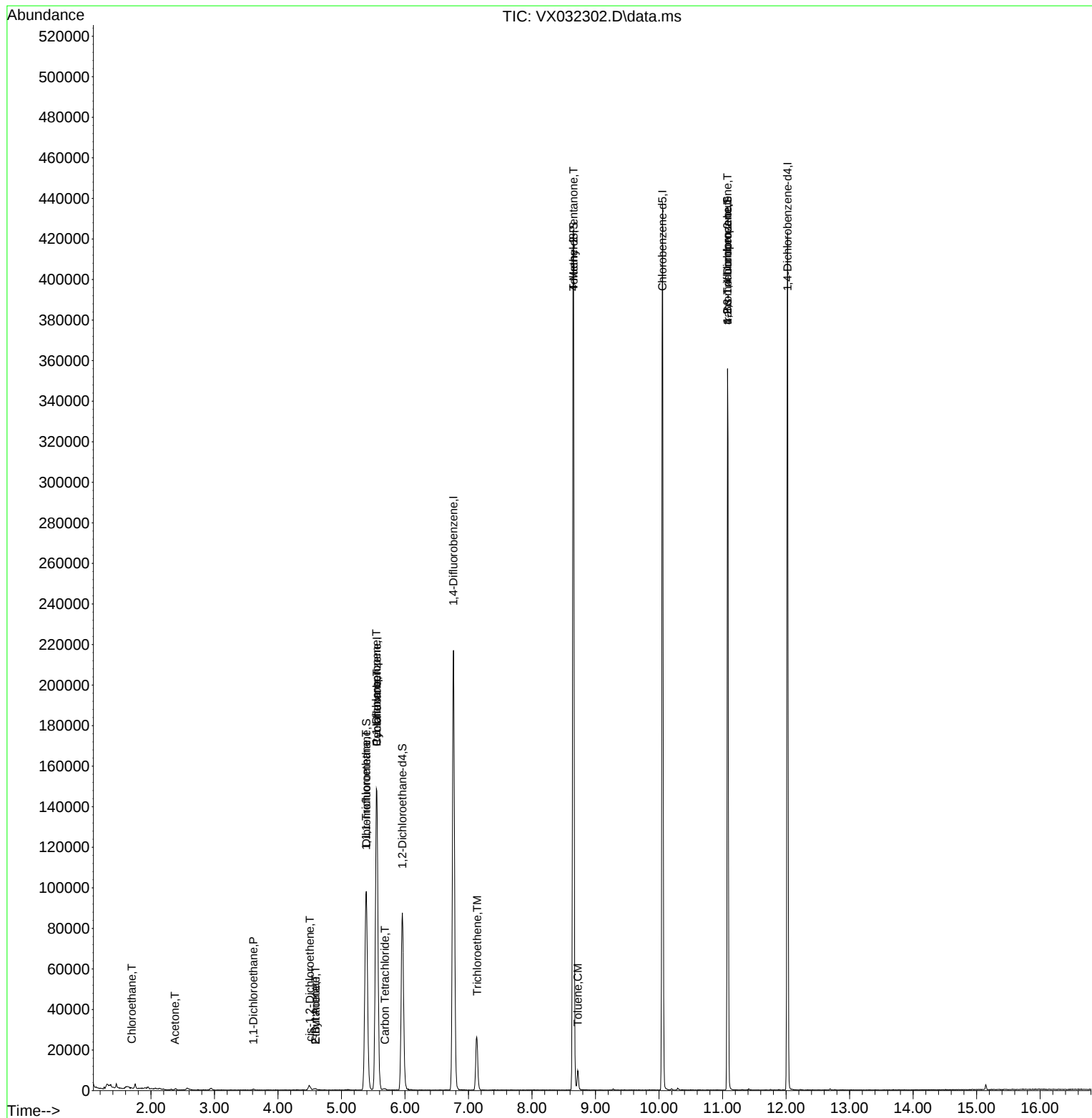
Internal Standards						
1) Pentafluorobenzene	5.556	168	142275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	217350	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87406	47.225	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.440%
35) Dibromofluoromethane	5.391	113	67743	44.790	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.580%
50) Toluene-d8	8.653	98	257484	47.293	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.580%
62) 4-Bromofluorobenzene	11.079	95	88811	44.547	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.100%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	57	Below Cal	#	44
6) Chloroethane	1.697	64	142	2.050	ug/l #	41
11) Tert butyl alcohol	2.995	59	67	Below Cal	#	74
16) Acetone	2.380	43	911	1.517	ug/l	90
24) 1,1-Dichloroethane	3.611	63	630	0.250	ug/l #	82
25) 2-Butanone	4.593	43	650	0.693	ug/l #	48
27) cis-1,2-Dichloroethene	4.501	96	1480	0.914	ug/l	96
31) Cyclohexane	5.556	56	3170	1.498	ug/l #	12
32) 1,1,1-Trichloroethane	5.385	97	18840	8.043	ug/l	99
36) 1,1-Dichloropropene	5.550	75	10968	5.637	ug/l #	49
37) Ethyl Acetate	4.593	43	650	0.341	ug/l #	68
38) Carbon Tetrachloride	5.684	117	689	0.335	ug/l #	79
44) Trichloroethene	7.135	130	10726	6.907	ug/l	99
51) 4-Methyl-2-Pentanone	8.653	43	1153	0.615	ug/l #	1
52) Toluene	8.720	92	3599	0.985	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	48904	28.974	ug/l #	44
81) trans-1,4-Dichloro-2-b...	11.079	75	48904	88.761	ug/l #	6

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

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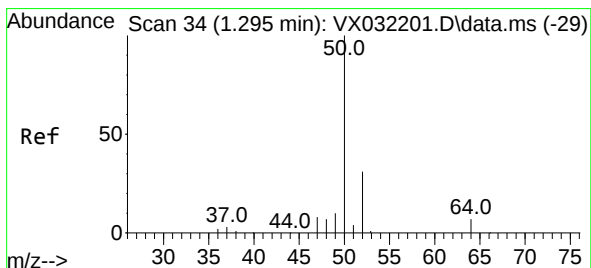
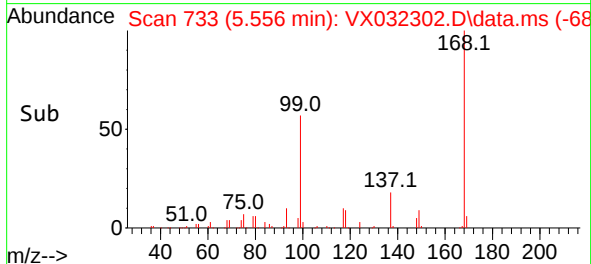
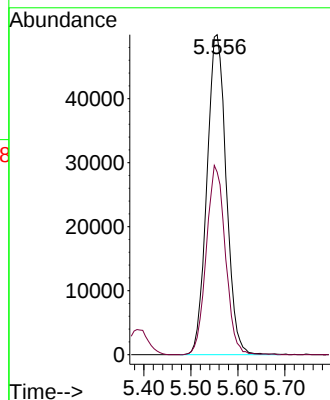
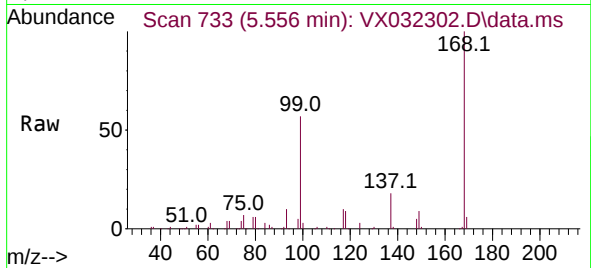




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

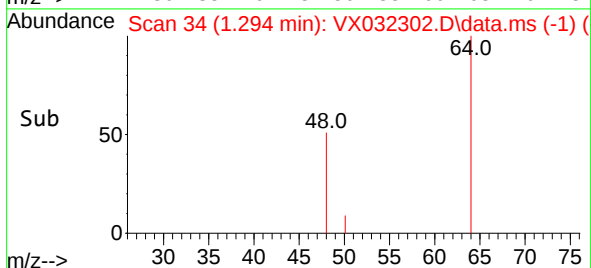
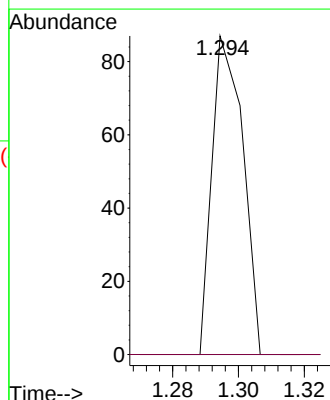
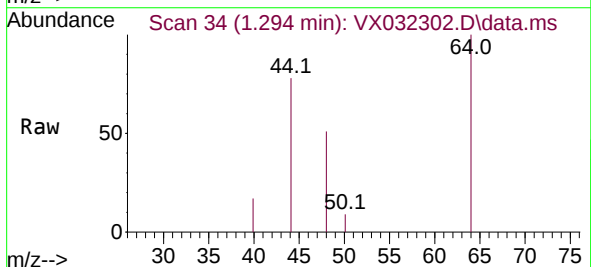
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-17-20221018

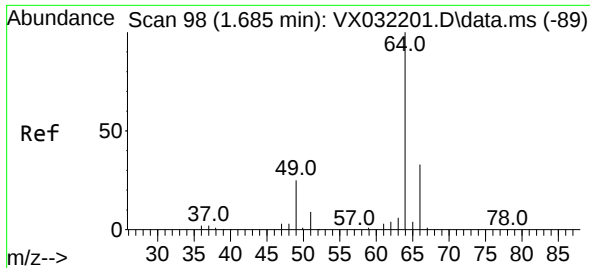
Tgt Ion:168 Resp: 142275
Ion Ratio Lower Upper
168 100
99 57.0 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

Tgt Ion: 50 Resp: 57
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

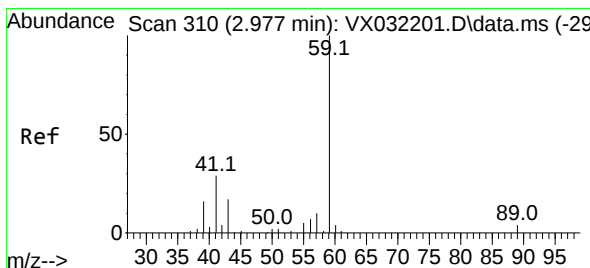
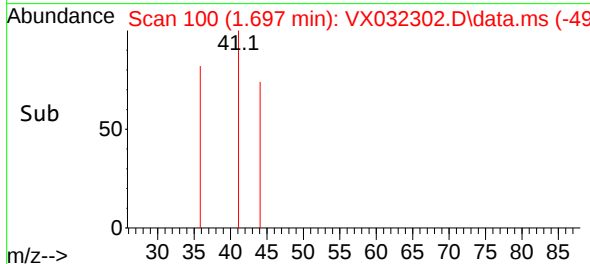
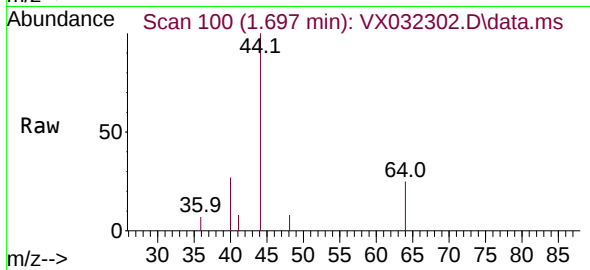




#6
Chloroethane
Concen: 2.050 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

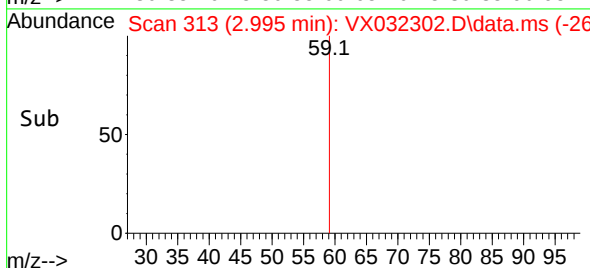
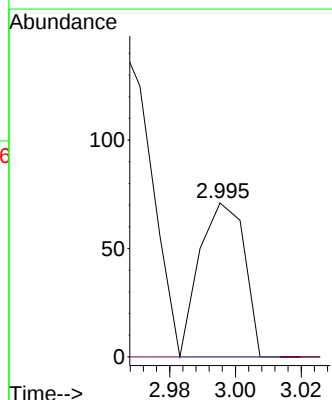
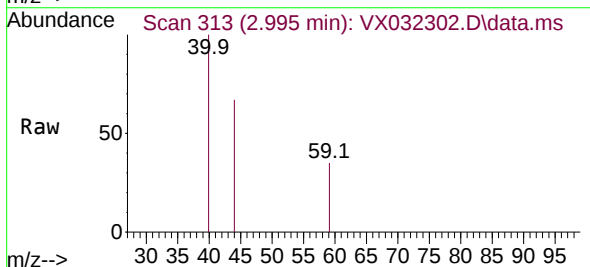
Instrument : MSVOA_X
ClientSampleId : FSND-MW-17-20221018

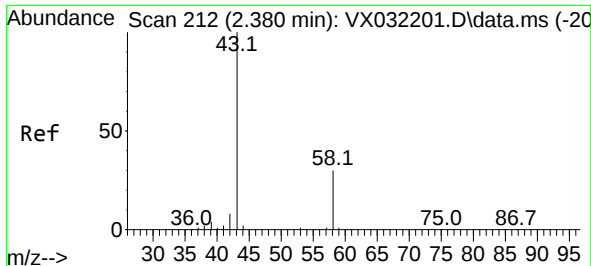
Tgt Ion: 64 Resp: 142
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.995 min Scan# 313
Delta R.T. 0.018 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

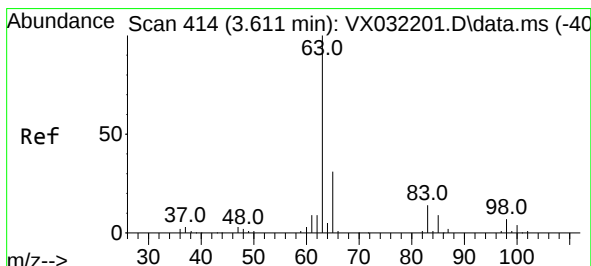
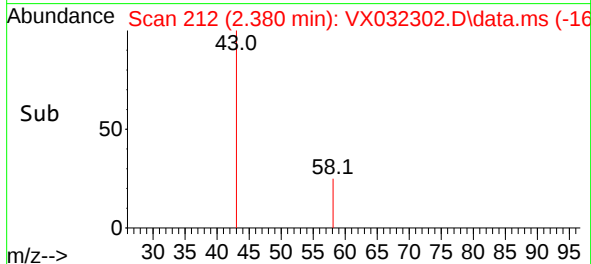
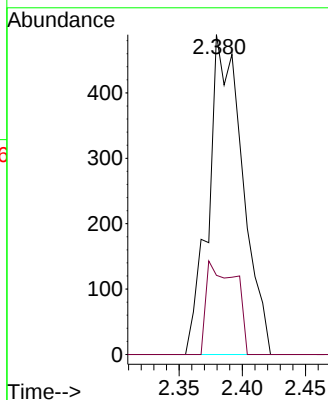
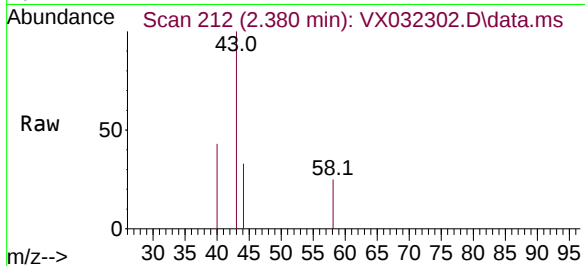




#16
Acetone
Concen: 1.517 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

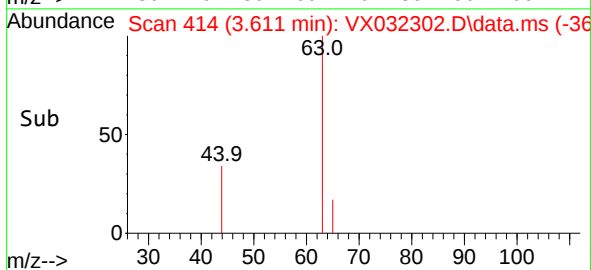
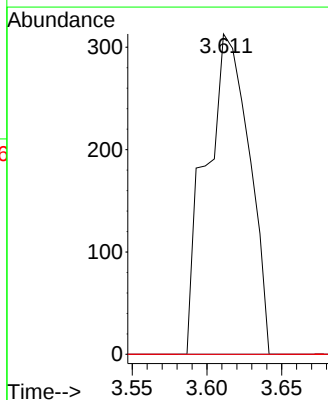
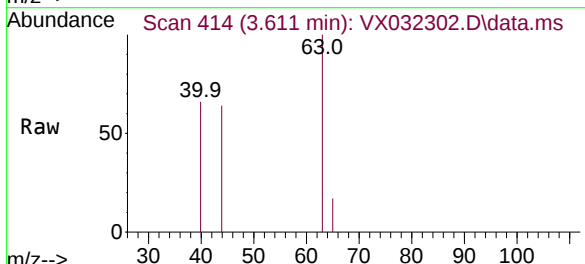
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-17-20221018

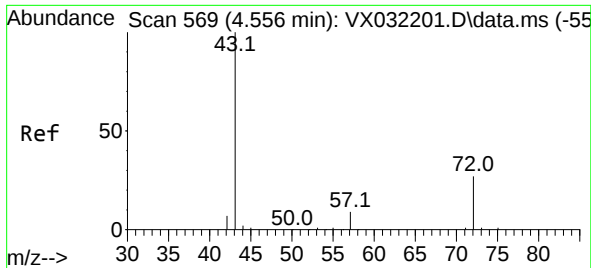
Tgt Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
58 24.7 24.2 36.2



#24
1,1-Dichloroethane
Concen: 0.250 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

Tgt Ion: 63 Resp: 630
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.9#
100 0.0 2.1 6.3#

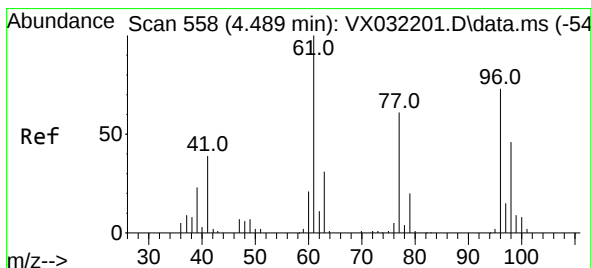
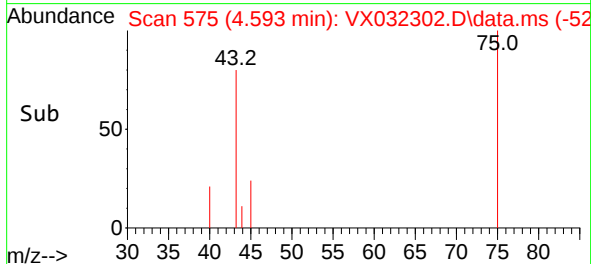
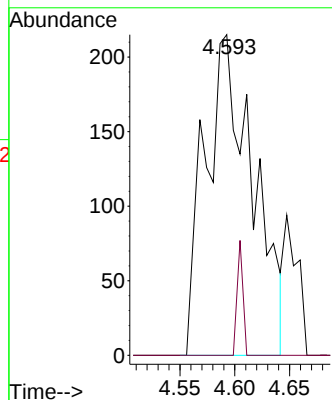
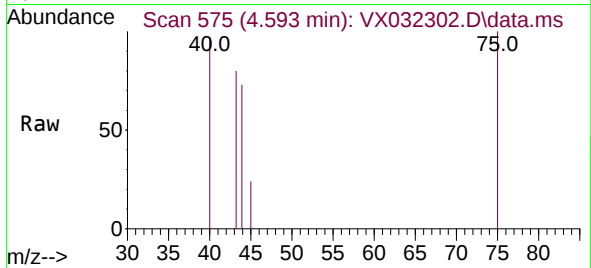




#25
2-Butanone
Concen: 0.693 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

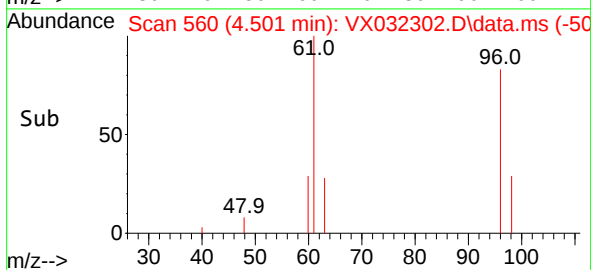
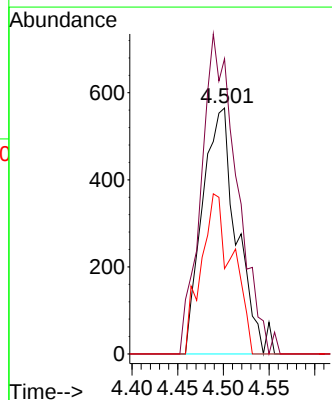
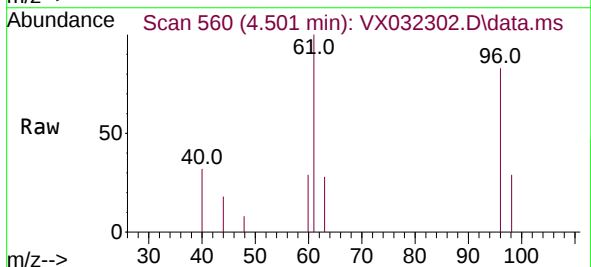
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-17-20221018

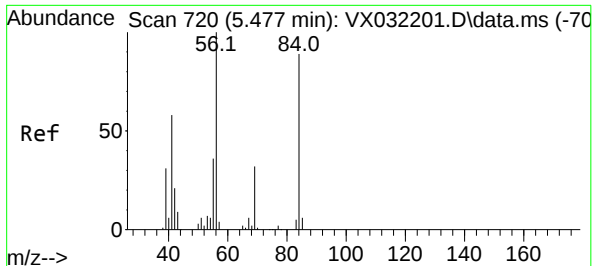
Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#27
cis-1,2-Dichloroethene
Concen: 0.914 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

Tgt Ion: 96 Resp: 1480
Ion Ratio Lower Upper
96 100
61 135.6 0.0 279.2
98 59.7 0.0 128.0

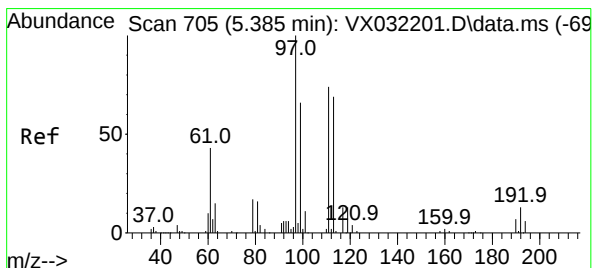
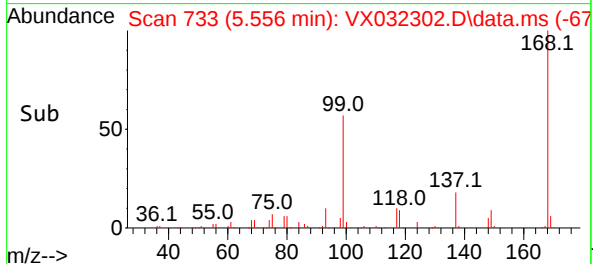
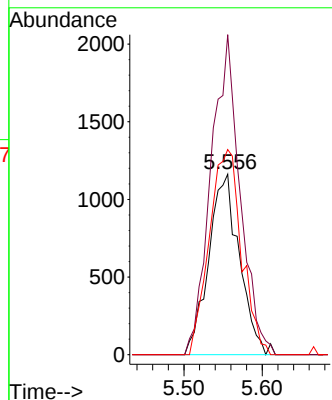
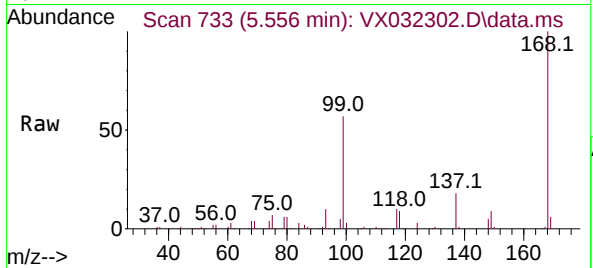




#31
Cyclohexane
Concen: 1.498 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

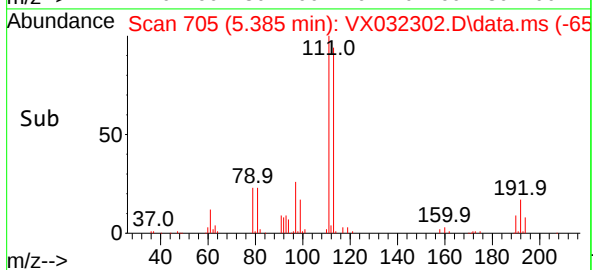
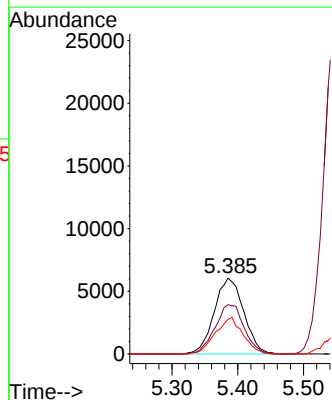
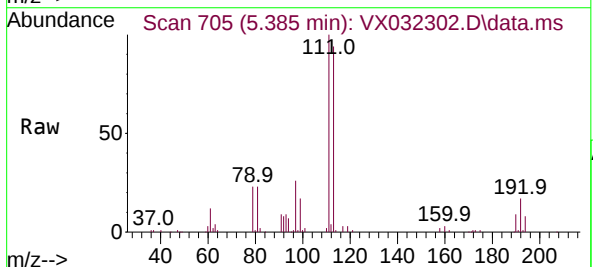
Instrument :
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ClientSampleId :
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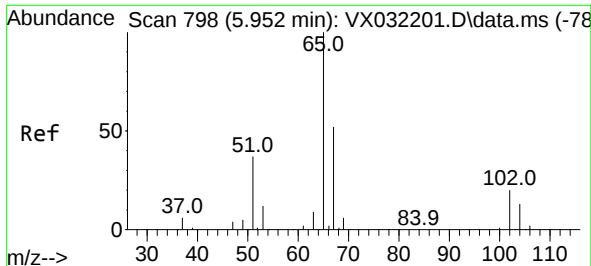
Tgt Ion: 56 Resp: 3170
Ion Ratio Lower Upper
56 100
69 177.4 25.4 38.0#
84 113.7 71.2 106.8#



#32
1,1,1-Trichloroethane
Concen: 8.043 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

Tgt Ion: 97 Resp: 18840
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.8
61 44.9 35.7 53.5





#33

1,2-Dichloroethane-d4

Concen: 47.225 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032302.D

Acq: 21 Oct 2022 20:25

Instrument :

MSVOA_X

ClientSampleId :

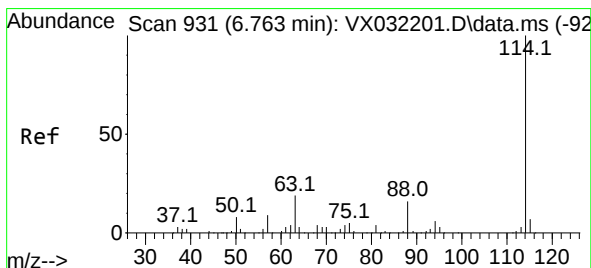
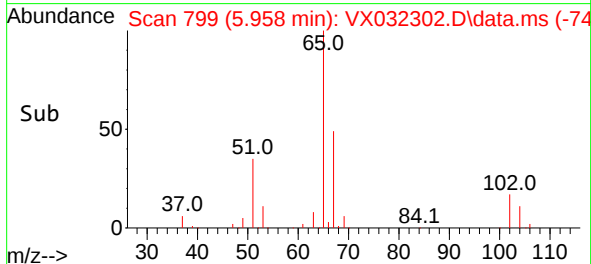
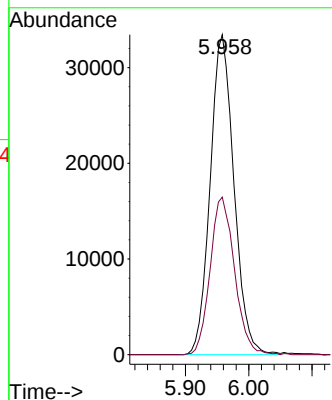
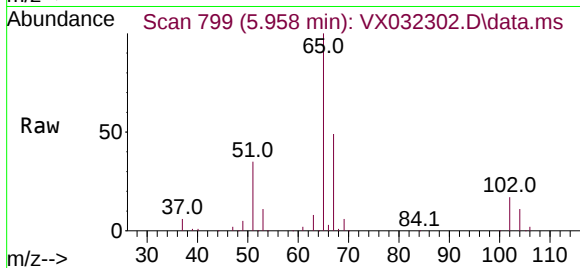
FSND-MW-17-20221018

Tgt Ion: 65 Resp: 87406

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032302.D

Acq: 21 Oct 2022 20:25

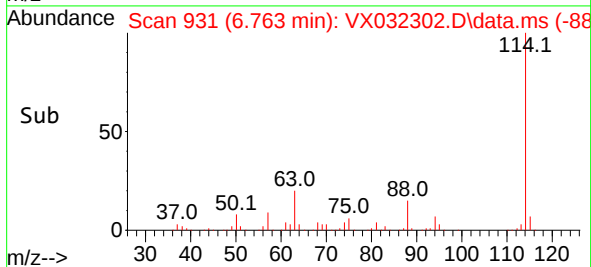
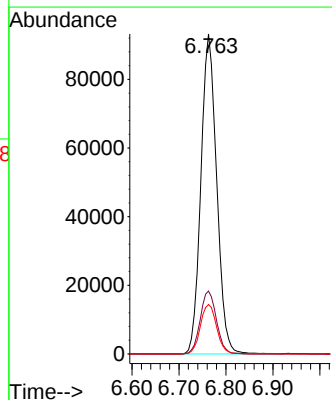
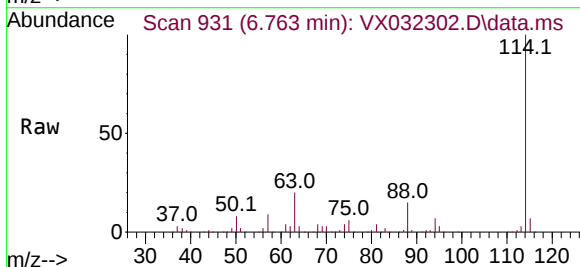
Tgt Ion: 114 Resp: 217350

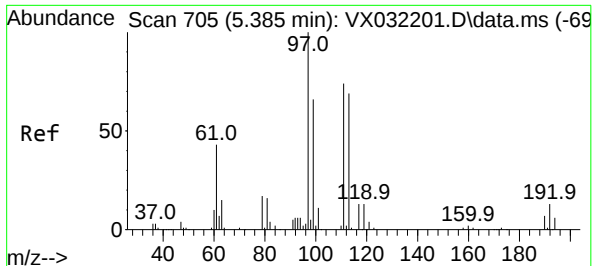
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 44.790 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX032302.D

Acq: 21 Oct 2022 20:25

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-17-20221018

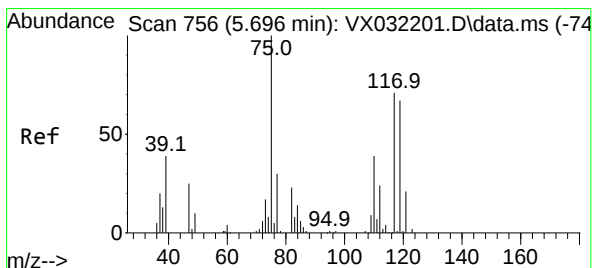
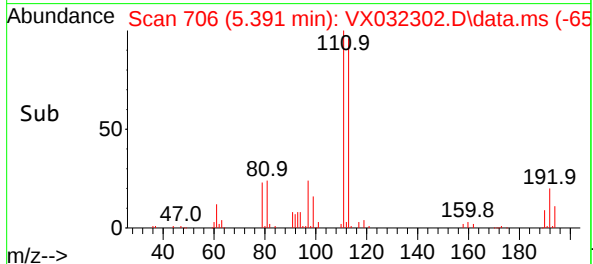
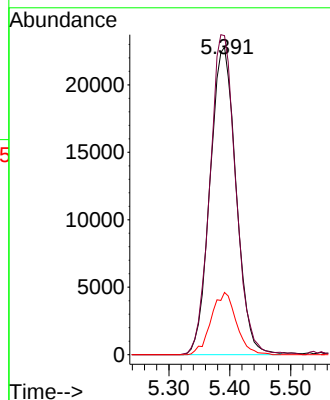
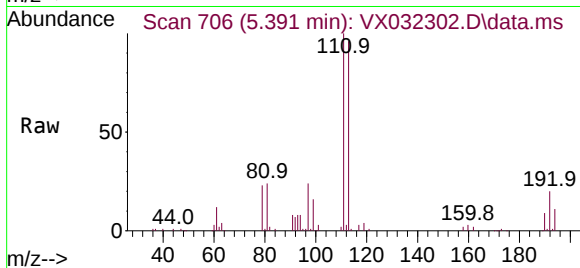
Tgt Ion:113 Resp: 67743

Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

192 19.6 15.5 23.3



#36

1,1-Dichloropropene

Concen: 5.637 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX032302.D

Acq: 21 Oct 2022 20:25

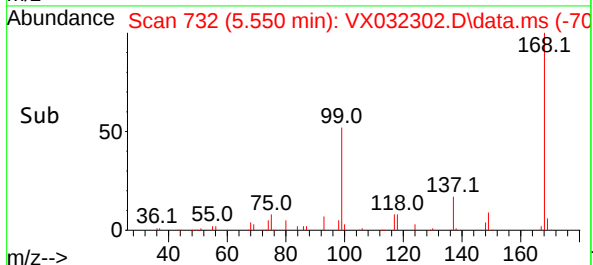
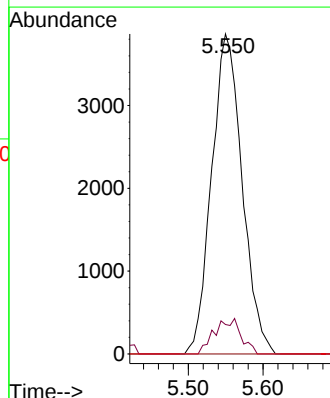
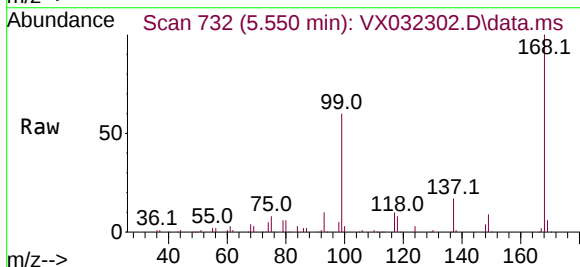
Tgt Ion: 75 Resp: 10968

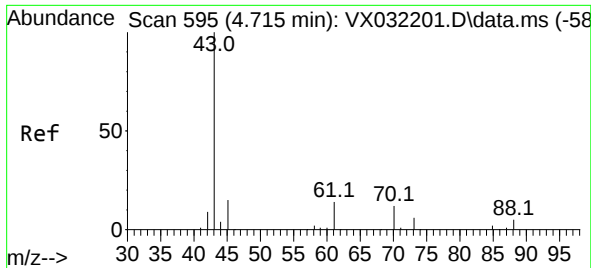
Ion Ratio Lower Upper

75 100

110 9.6 18.4 55.0#

77 0.0 24.7 37.1#

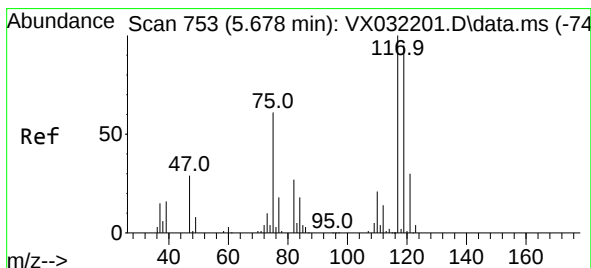
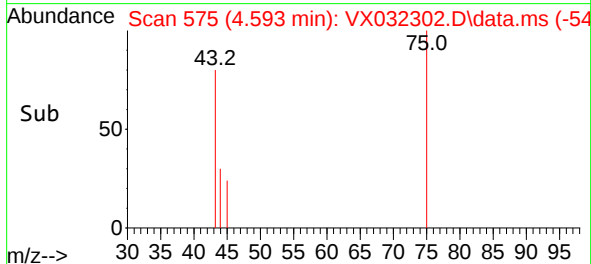
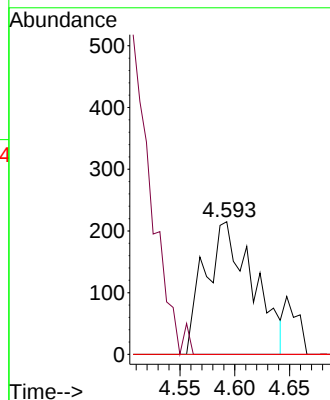
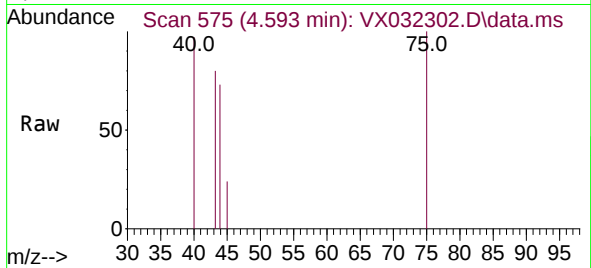




#37
Ethyl Acetate
Concen: 0.341 ug/l
RT: 4.593 min Scan# 51
Delta R.T. -0.122 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

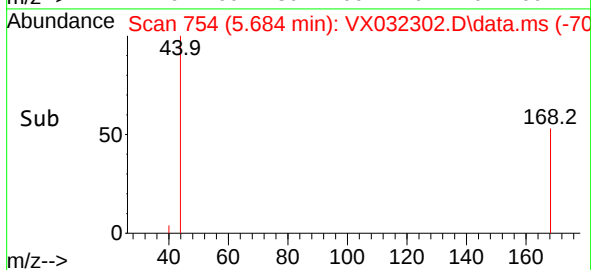
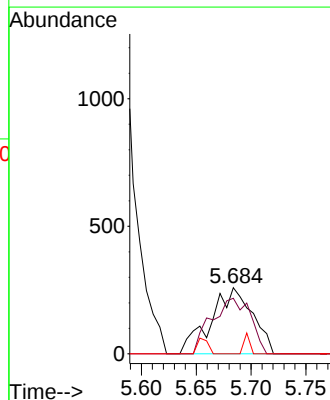
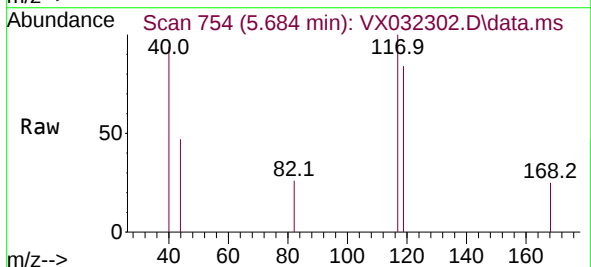
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-17-20221018

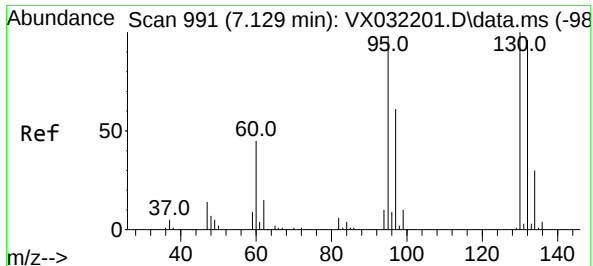
Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.2#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 0.335 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

Tgt Ion: 117 Resp: 689
Ion Ratio Lower Upper
117 100
119 84.2 75.4 113.0
121 0.0 23.9 35.9#

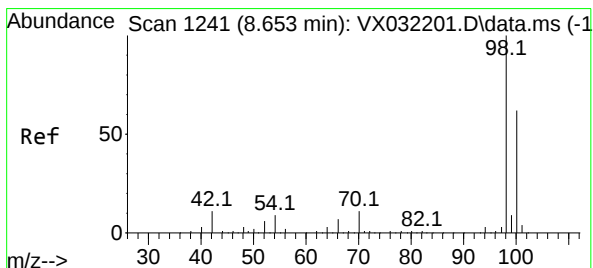
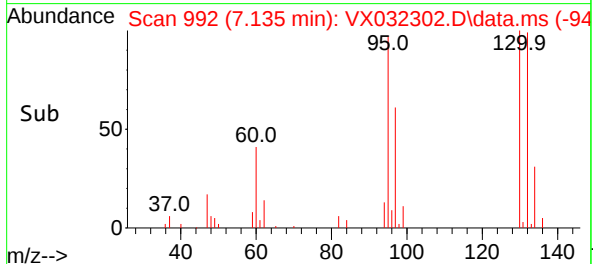
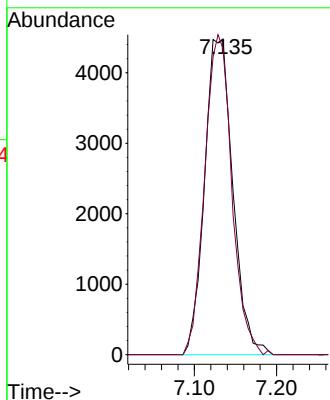
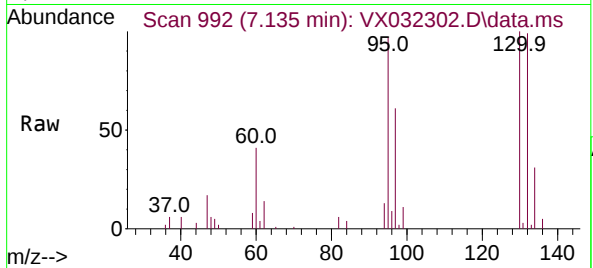




#44
 Trichloroethene
 Concen: 6.907 ug/l
 RT: 7.135 min Scan# 991
 Delta R.T. 0.006 min
 Lab File: VX032302.D
 Acq: 21 Oct 2022 20:25

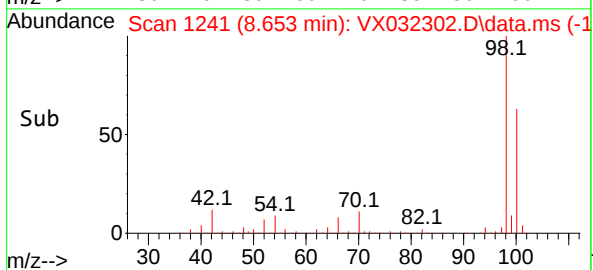
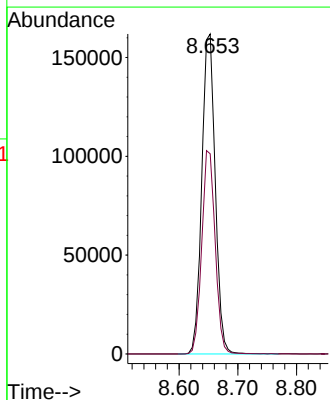
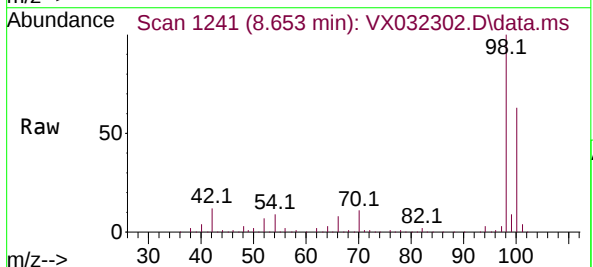
Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-17-20221018

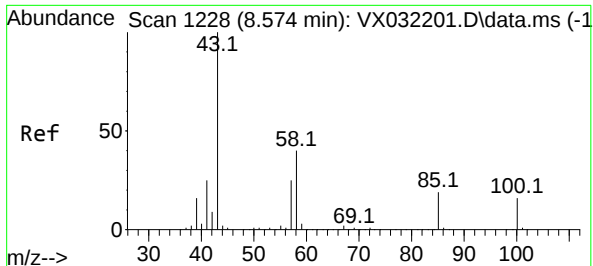
Tgt Ion:130 Resp: 10726
 Ion Ratio Lower Upper
 130 100
 95 96.9 0.0 196.8



#50
 Toluene-d8
 Concen: 47.293 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. -0.000 min
 Lab File: VX032302.D
 Acq: 21 Oct 2022 20:25

Tgt Ion: 98 Resp: 257484
 Ion Ratio Lower Upper
 98 100
 100 63.4 50.7 76.1

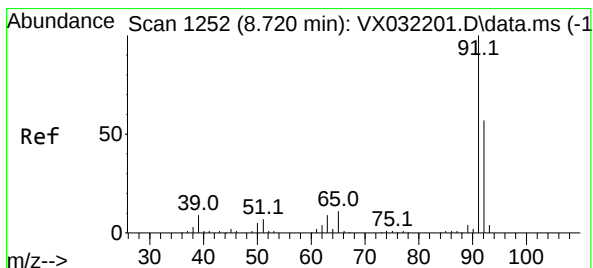
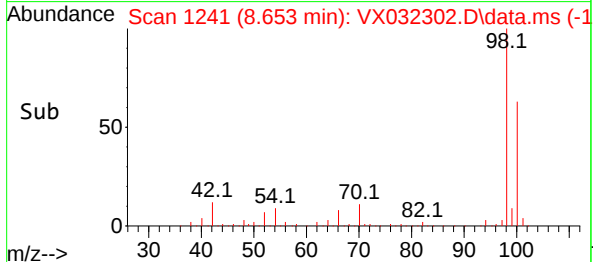
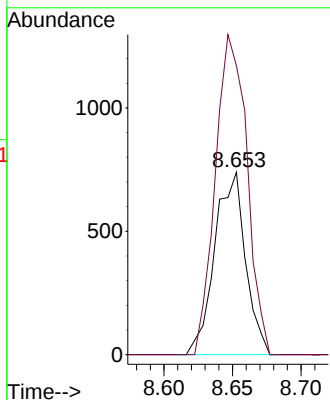
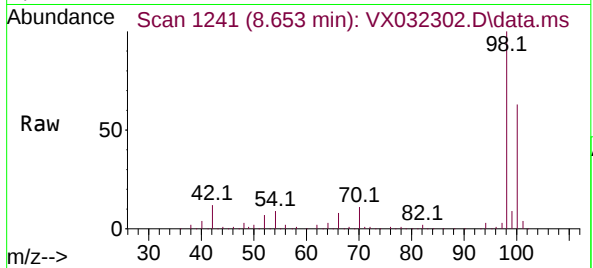




#51
4-Methyl-2-Pentanone
Concen: 0.615 ug/l
RT: 8.653 min Scan# 1153
Delta R.T. 0.079 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

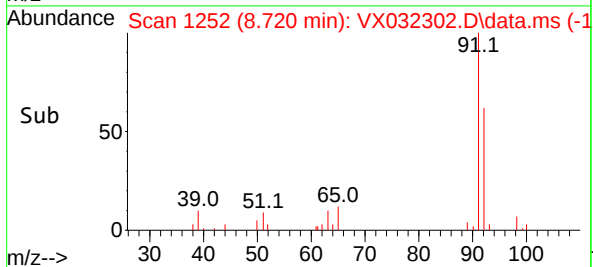
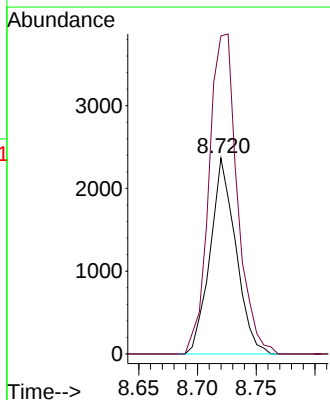
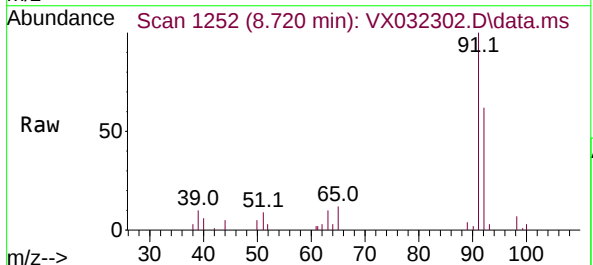
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-17-20221018

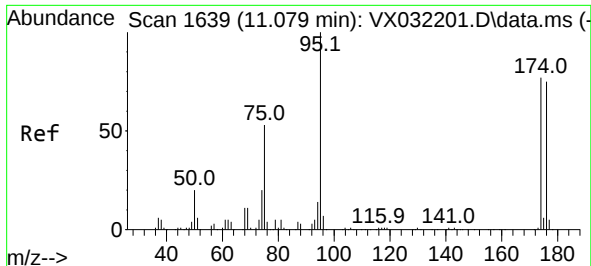
Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
58 180.3 31.0 46.4#



#52
Toluene
Concen: 0.985 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX032302.D
Acq: 21 Oct 2022 20:25

Tgt Ion: 92 Resp: 3599
Ion Ratio Lower Upper
92 100
91 180.3 140.3 210.5





#62

4-Bromofluorobenzene

Concen: 44.547 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032302.D

Acq: 21 Oct 2022 20:25

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-17-20221018

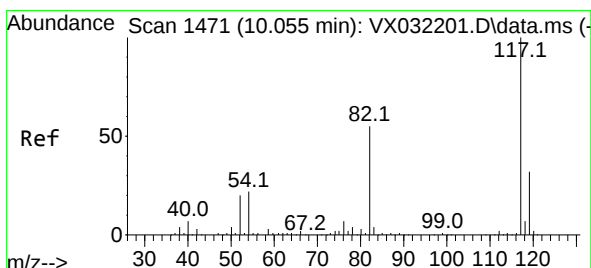
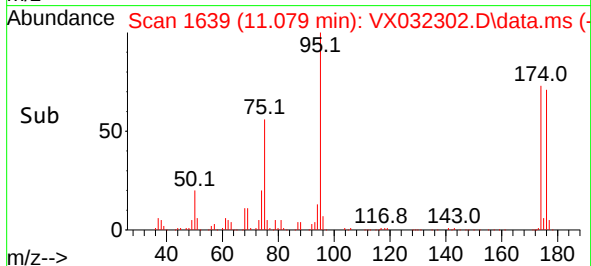
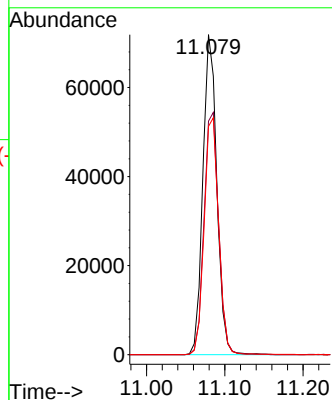
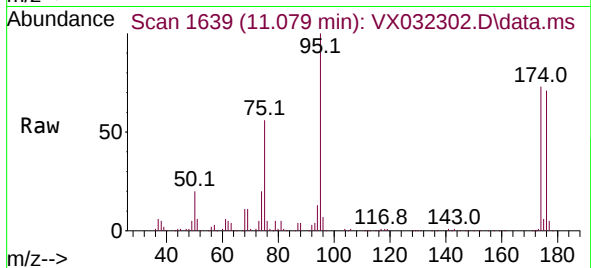
Tgt Ion: 95 Resp: 88811

Ion Ratio Lower Upper

95 100

174 79.2 0.0 166.8

176 77.2 0.0 161.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032302.D

Acq: 21 Oct 2022 20:25

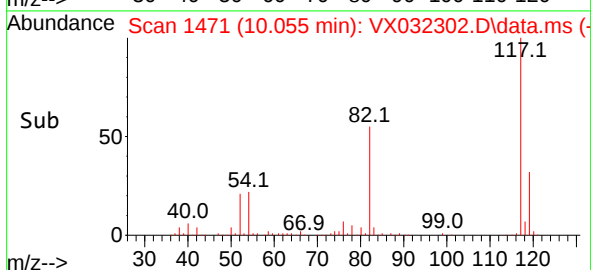
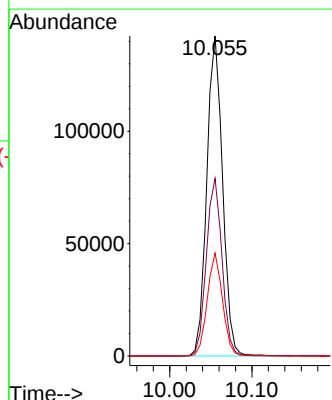
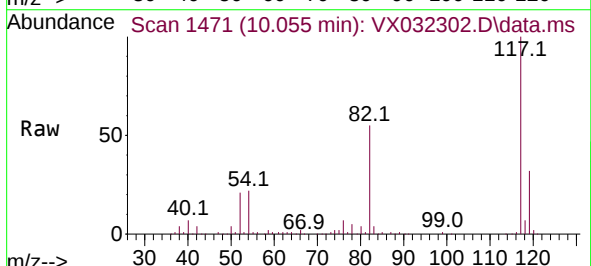
Tgt Ion: 117 Resp: 189825

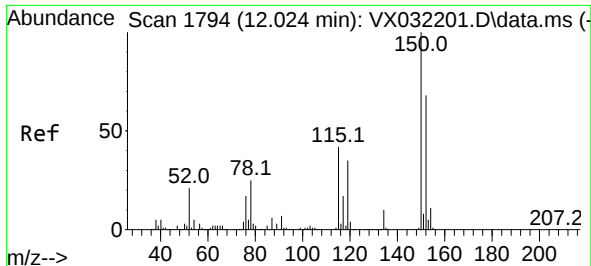
Ion Ratio Lower Upper

117 100

82 55.4 44.2 66.4

119 32.1 25.8 38.8

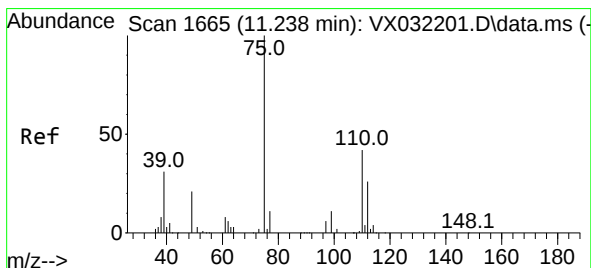
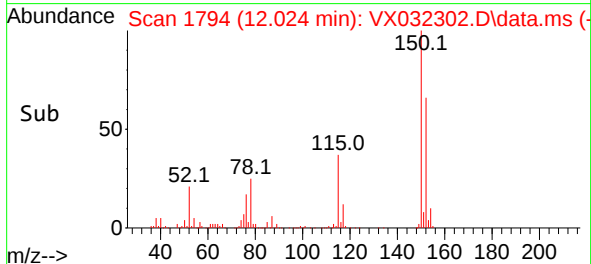
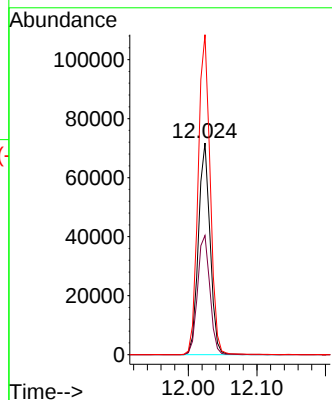
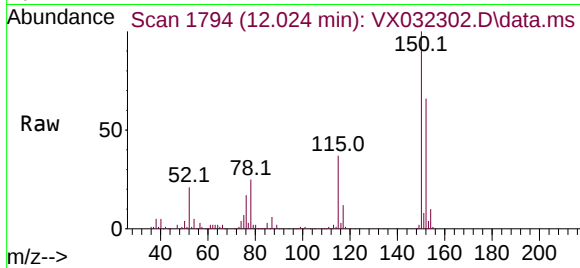




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX032302.D
 Acq: 21 Oct 2022 20:25

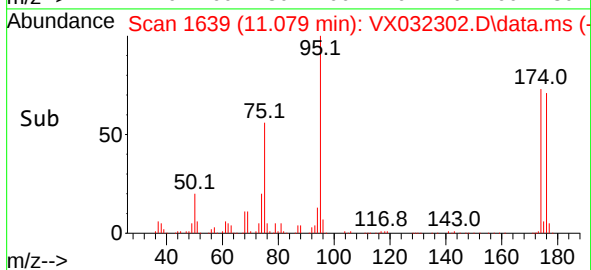
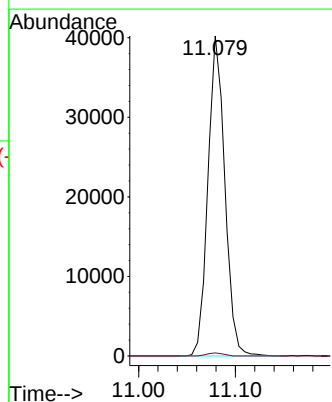
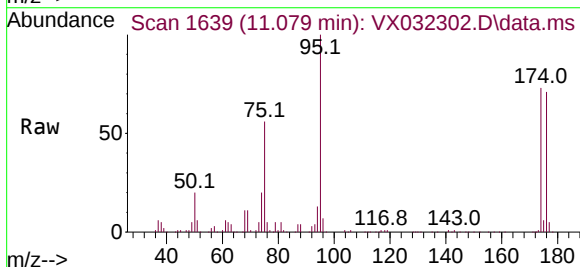
Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-17-20221018

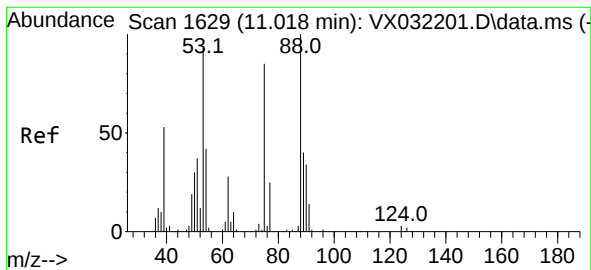
Tgt Ion:152 Resp: 85184
 Ion Ratio Lower Upper
 152 100
 115 59.3 43.1 129.4
 150 156.4 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 28.974 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX032302.D
 Acq: 21 Oct 2022 20:25

Tgt Ion: 75 Resp: 48904
 Ion Ratio Lower Upper
 75 100
 77 0.9 16.0 47.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.761 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032302.D
 Acq: 21 Oct 2022 20:25

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-17-20221018

Tgt Ion: 75 Resp: 48904
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.8 131.8#
 89 0.0 37.8 56.8#

