

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102122\
 Data File : VX032321.D
 Acq On : 22 Oct 2022 05:11
 Operator : JC/MD
 Sample : N5248-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-28-20221019

Quant Time: Oct 22 06:05:59 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)

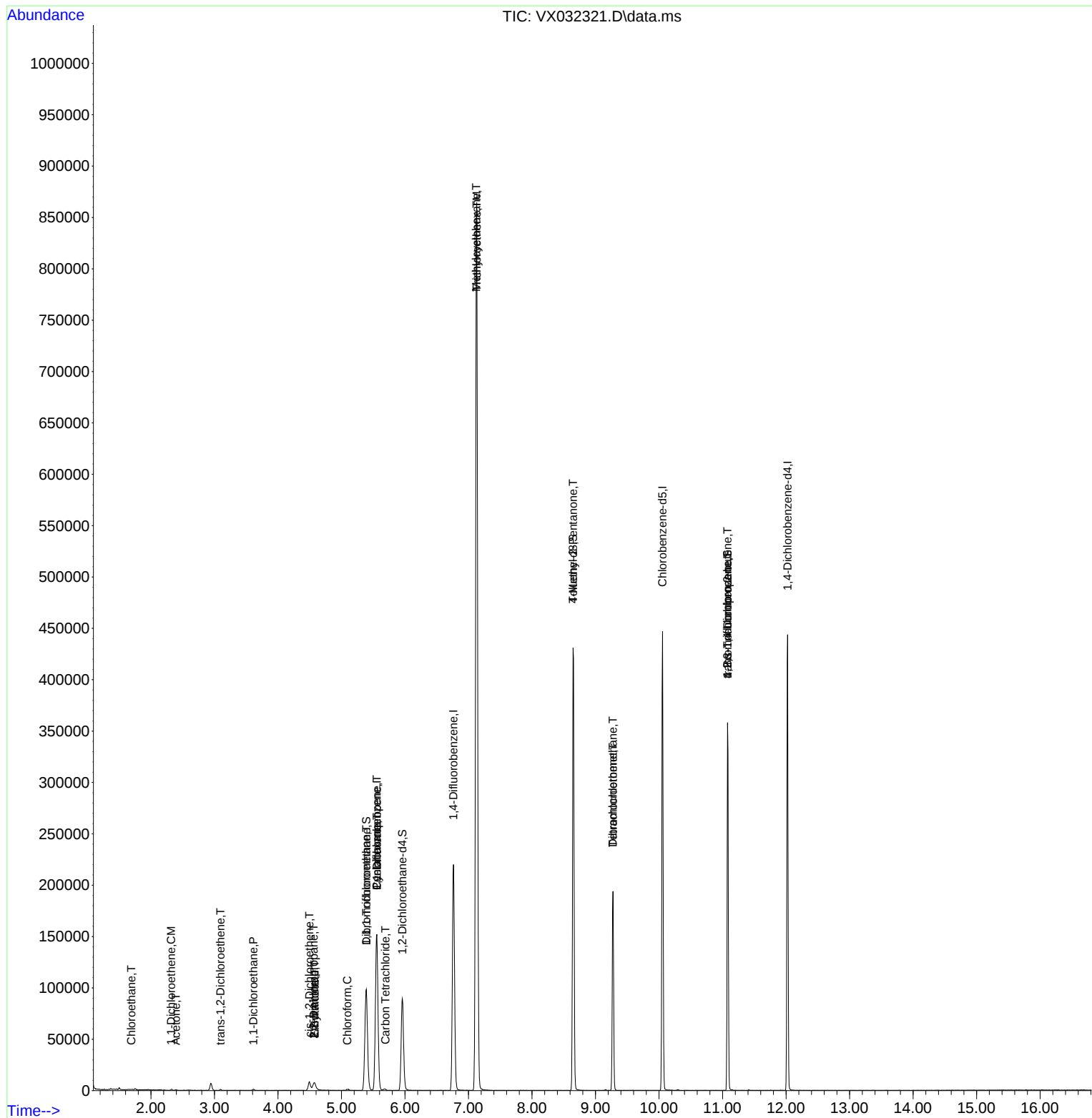
Internal Standards						
1) Pentafluorobenzene	5.556	168	142365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	221091	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89640	48.401	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.800%		
35) Dibromofluoromethane	5.391	113	69570	45.219	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.440%		
50) Toluene-d8	8.647	98	259554	46.867	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.740%		
62) 4-Bromofluorobenzene	11.079	95	90494	44.623	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.240%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	34	Below Cal	#	44
6) Chloroethane	1.691	64	75	2.004	ug/l #	41
11) Tert butyl alcohol	2.940	59	4225	Below Cal	#	74
12) 1,1-Dichloroethene	2.319	96	329	0.259	ug/l #	92
16) Acetone	2.392	43	779	1.296	ug/l #	87
21) trans-1,2-Dichloroethene	3.093	96	385	0.278	ug/l #	94
24) 1,1-Dichloroethane	3.611	63	1431	0.567	ug/l #	82
25) 2-Butanone	4.574	43	660	0.703	ug/l #	48
26) 2,2-Dichloropropane	4.562	77	581	0.319	ug/l #	52
27) cis-1,2-Dichloroethene	4.495	96	5388	3.325	ug/l	90
30) Chloroform	5.092	83	904	0.329	ug/l #	77
31) Cyclohexane	5.556	56	3400	1.606	ug/l #	40
32) 1,1,1-Trichloroethane	5.391	97	16864	7.195	ug/l	98
36) 1,1-Dichloropropene	5.556	75	11354	5.737	ug/l #	49
37) Ethyl Acetate	4.574	43	660	0.341	ug/l #	68
38) Carbon Tetrachloride	5.690	117	1088	0.521	ug/l #	72
39) Methylcyclohexane	7.123	83	3846	1.627	ug/l #	1
44) Trichloroethene	7.129	130	327653	207.437	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1281	0.672	ug/l #	1
60) Dibromochloromethane	9.275	129	34425	22.253	ug/l #	11
64) Tetrachloroethene	9.275	164	34779	27.104	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	49989	28.587	ug/l #	44
81) trans-1,4-Dichloro-2-b...	11.079	75	49989	87.611	ug/l #	6

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

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Instrument :
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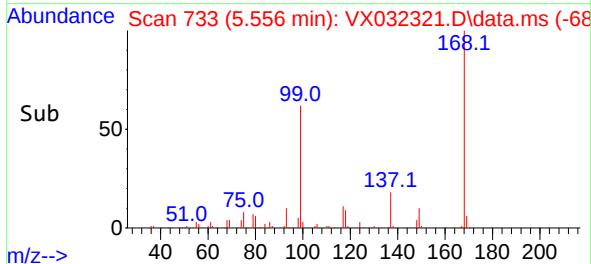
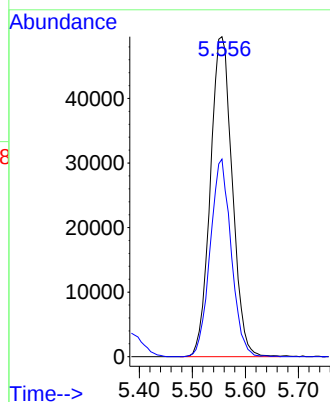
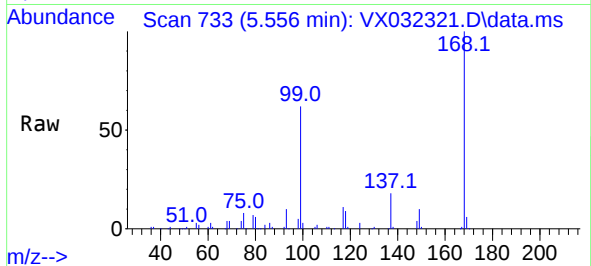




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

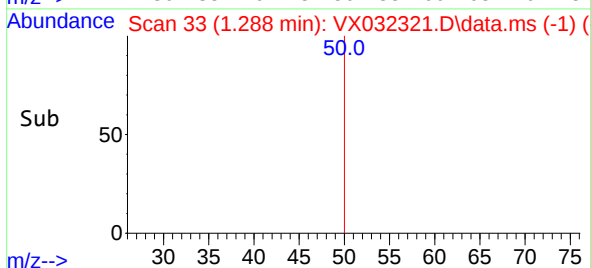
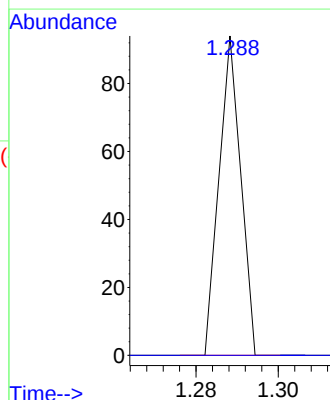
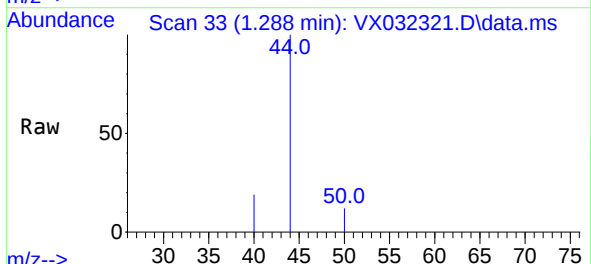
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20221019

Tgt Ion:168 Resp: 142365
Ion Ratio Lower Upper
168 100
99 61.7 44.8 67.2

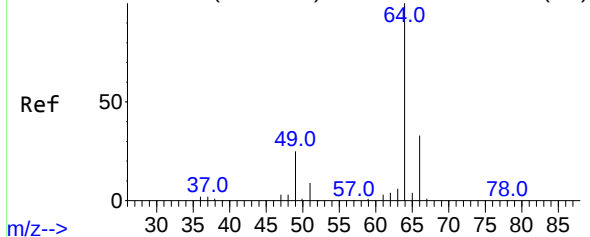


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.007 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

Tgt Ion: 50 Resp: 34
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



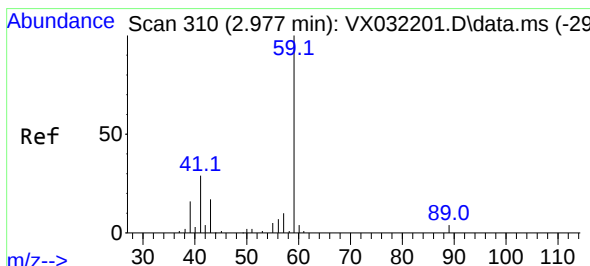
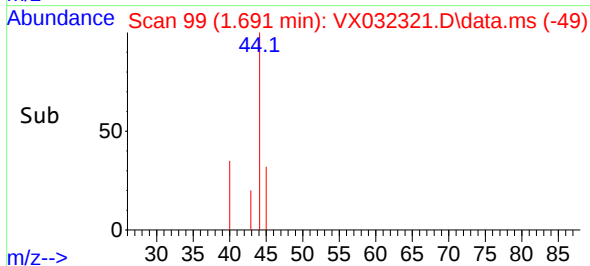
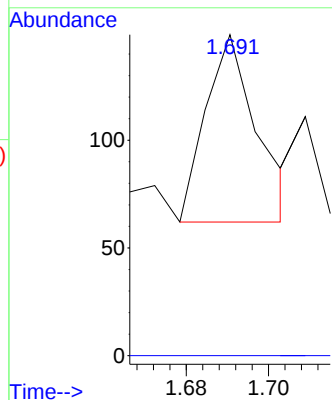
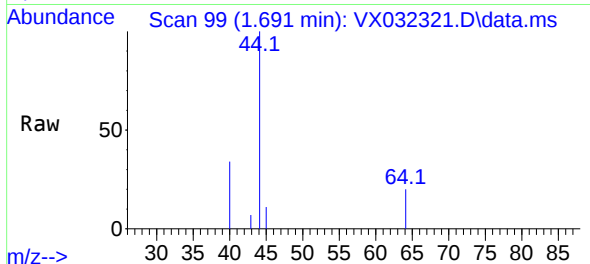
Abundance Scan 98 (1.685 min): VX032201.D\data.ms (-89)



#6
Chloroethane
Concen: 2.004 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

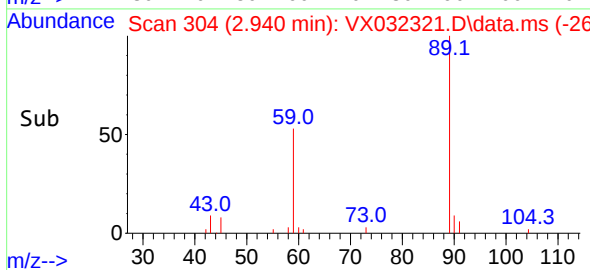
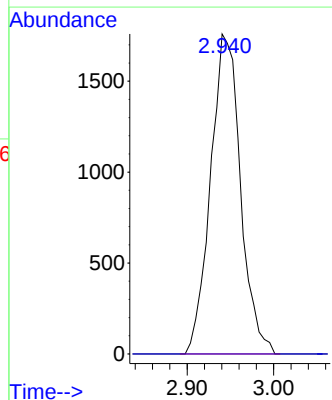
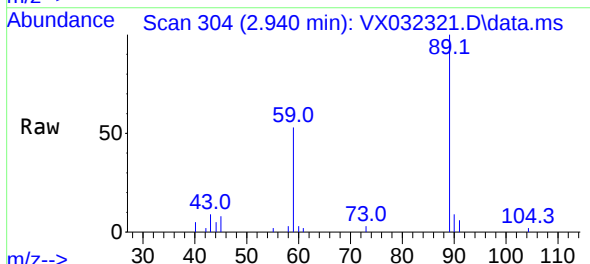
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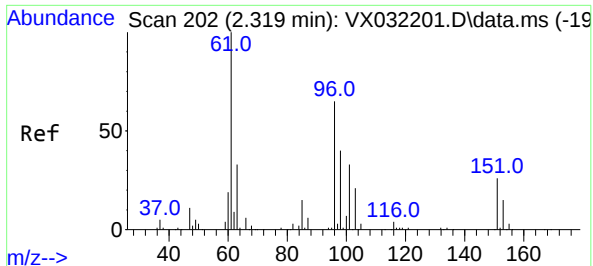
Tgt Ion: 64 Resp: 75
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

Tgt Ion: 59 Resp: 4225
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

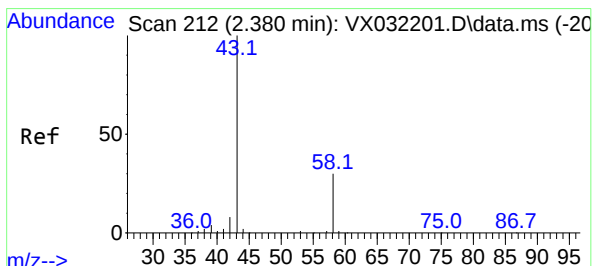
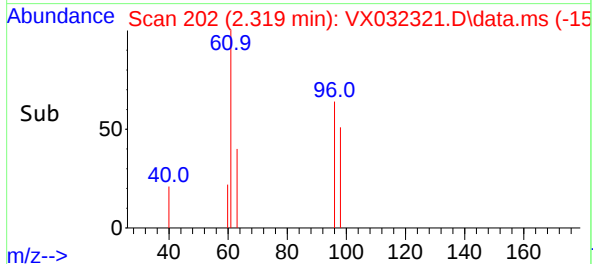
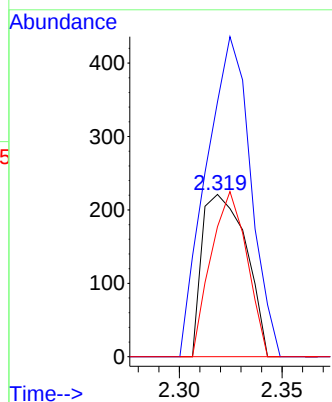
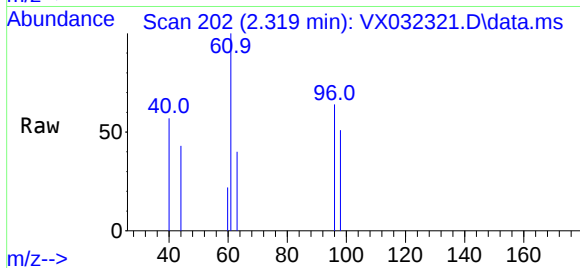




#12
1,1-Dichloroethene
Concen: 0.259 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

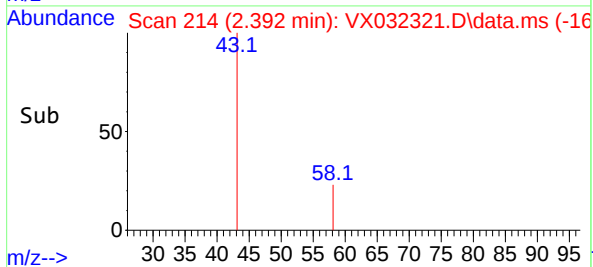
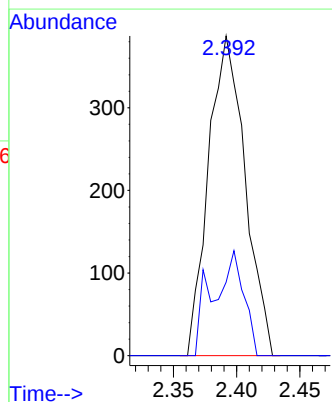
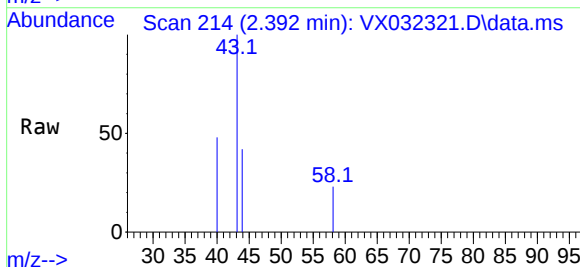
Instrument :
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ClientSampleId :
FSND-MW-28-20221019

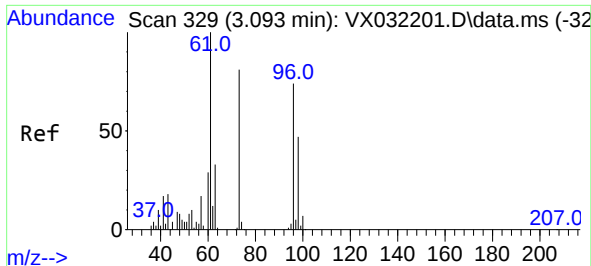
Tgt Ion: 96 Resp: 329
Ion Ratio Lower Upper
96 100
61 157.0 124.0 186.0
98 80.1 50.0 75.0#



#16
Acetone
Concen: 1.296 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

Tgt Ion: 43 Resp: 779
Ion Ratio Lower Upper
43 100
58 23.0 24.2 36.2#

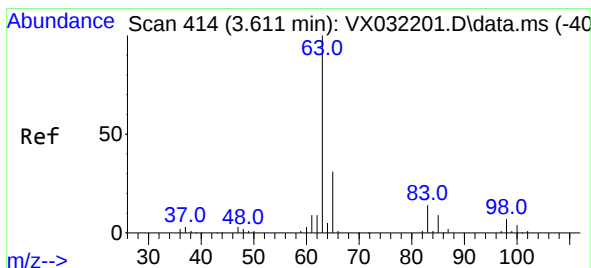
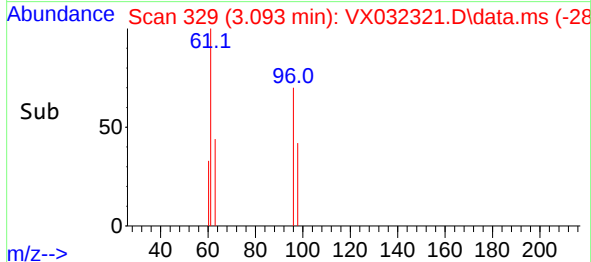
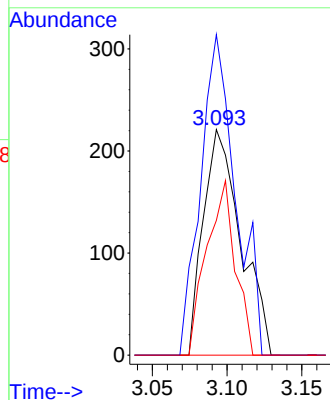
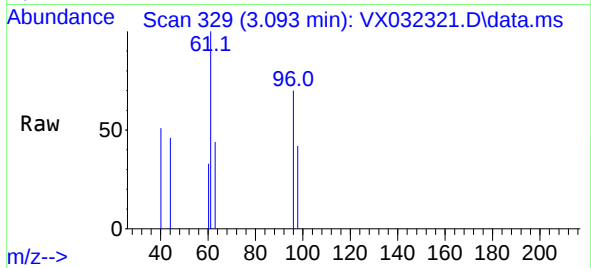




#21
trans-1,2-Dichloroethene
Concen: 0.278 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

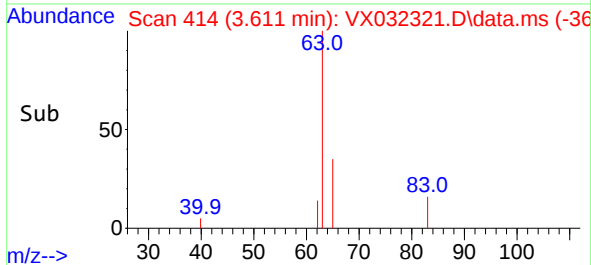
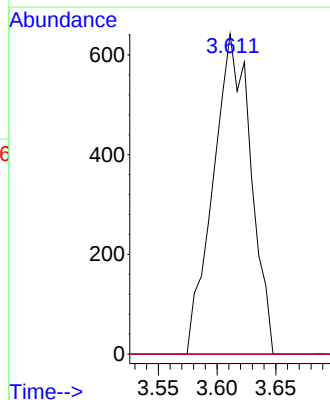
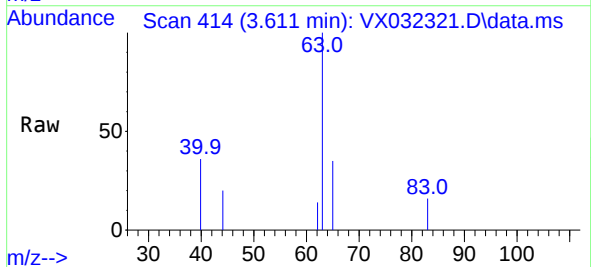
Instrument :
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ClientSampleId :
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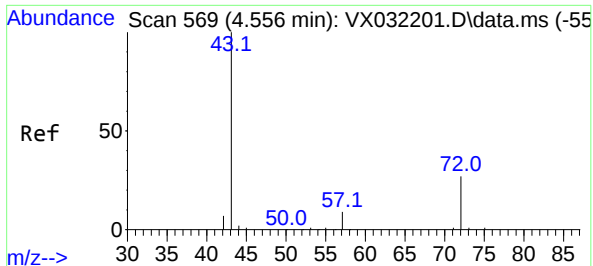
Tgt Ion: 96 Resp: 385
Ion Ratio Lower Upper
96 100
61 142.1 107.7 161.5
98 59.7 50.2 75.4



#24
1,1-Dichloroethane
Concen: 0.567 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

Tgt Ion: 63 Resp: 1431
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.9#
100 0.0 2.1 6.3#

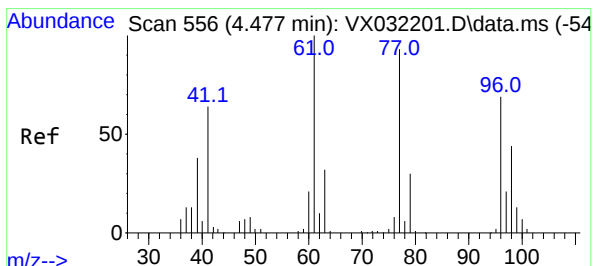
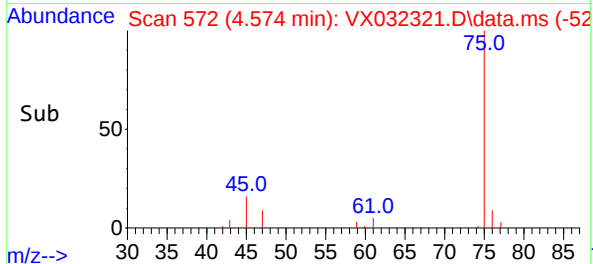
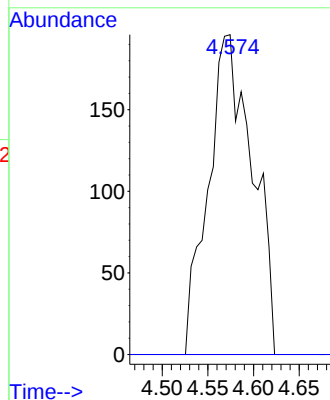
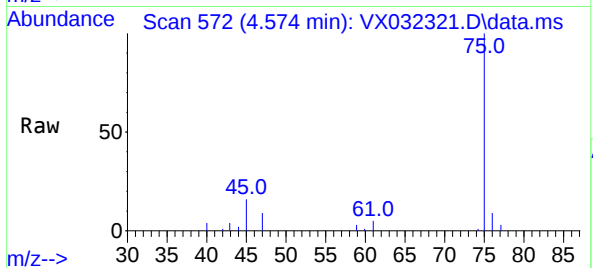




#25
2-Butanone
Concen: 0.703 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

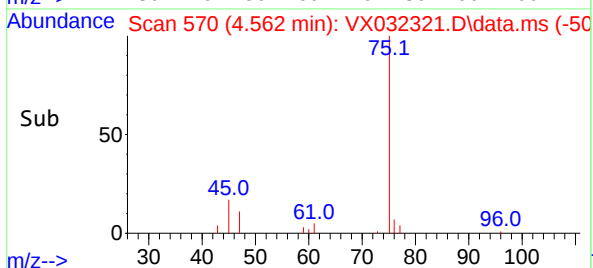
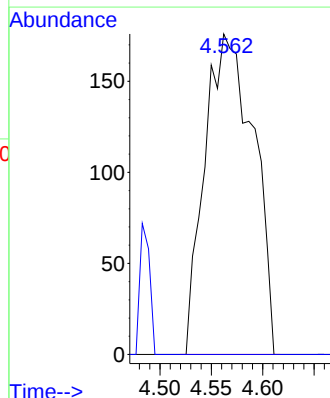
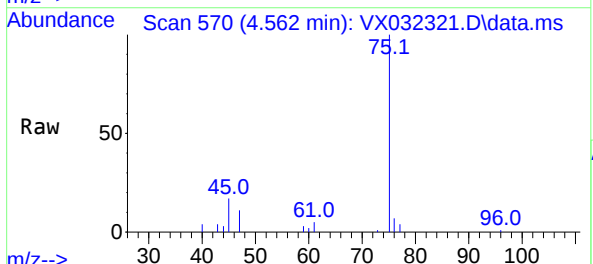
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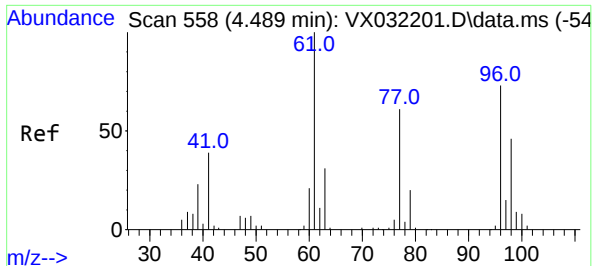
Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#26
2,2-Dichloropropane
Concen: 0.319 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.085 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

Tgt Ion: 77 Resp: 581
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.3#

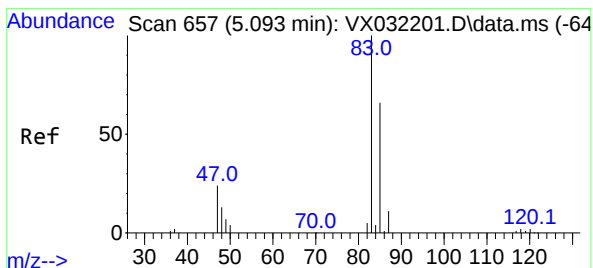
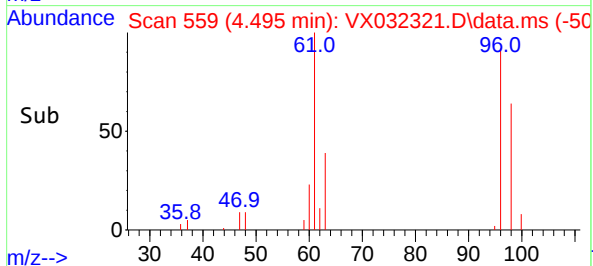
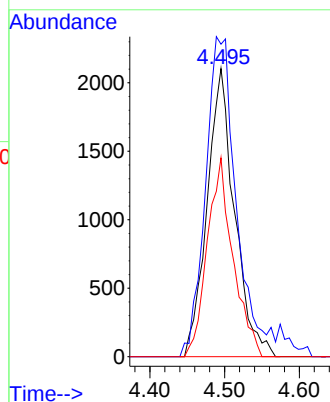
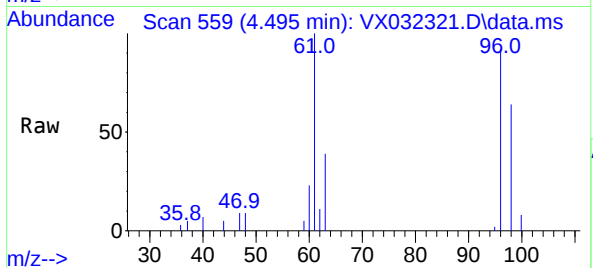




#27
cis-1,2-Dichloroethene
Concen: 3.325 ug/l
RT: 4.495 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

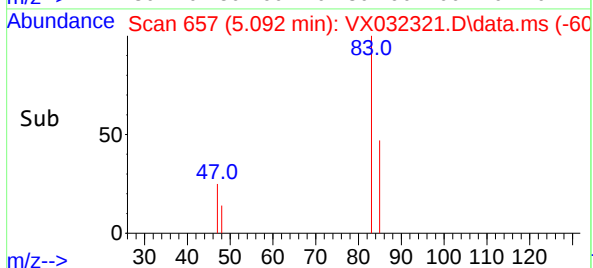
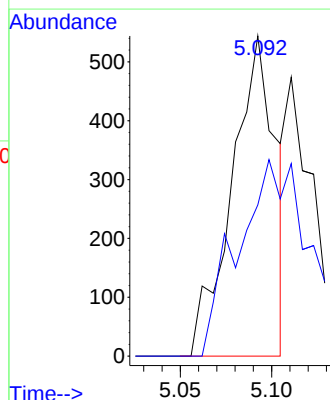
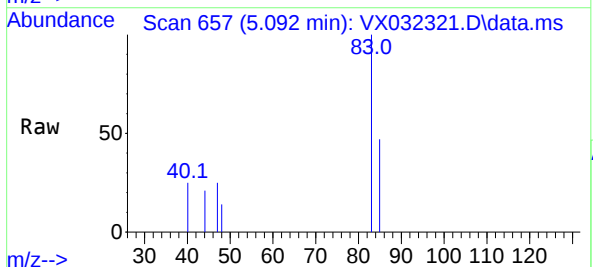
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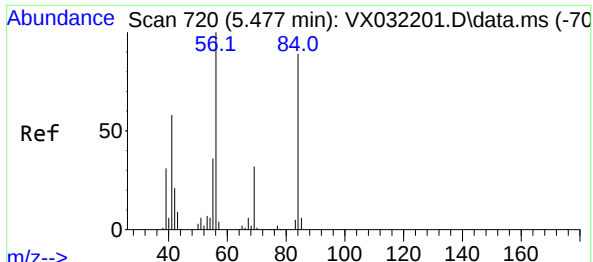
Tgt Ion: 96 Resp: 5388
Ion Ratio Lower Upper
96 100
61 123.1 0.0 279.2
98 64.6 0.0 128.0



#30
Chloroform
Concen: 0.329 ug/l
RT: 5.092 min Scan# 657
Delta R.T. -0.001 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

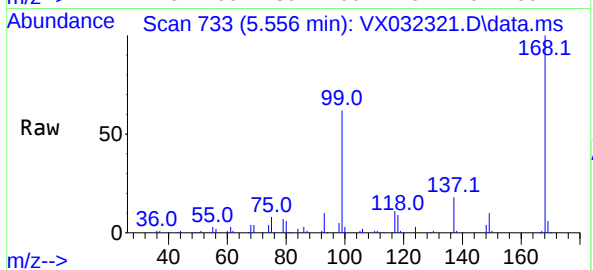
Tgt Ion: 83 Resp: 904
Ion Ratio Lower Upper
83 100
85 47.2 52.5 78.7#



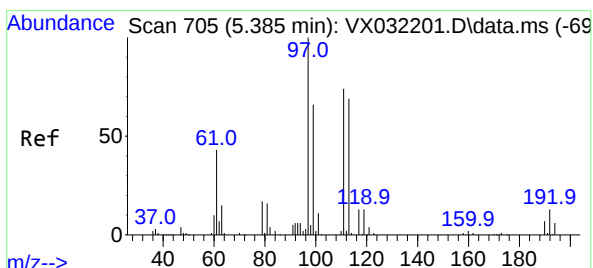
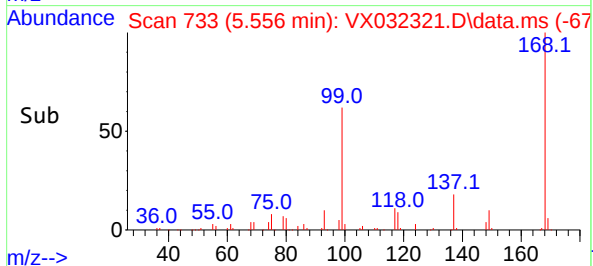
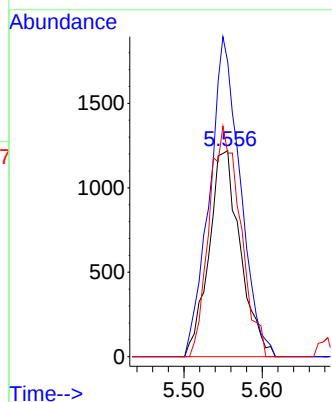


#31
Cyclohexane
Concen: 1.606 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20221019

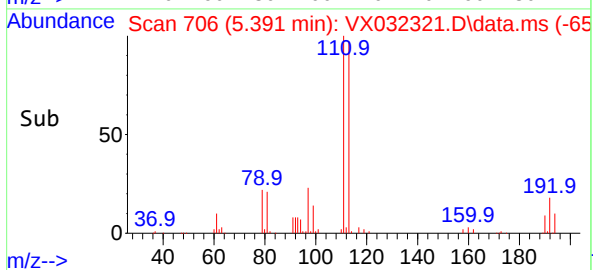
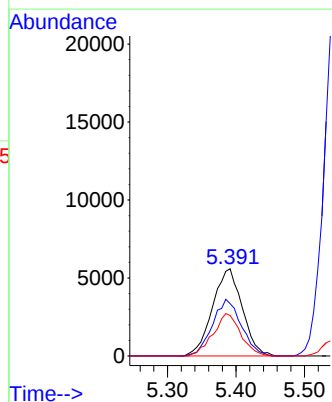
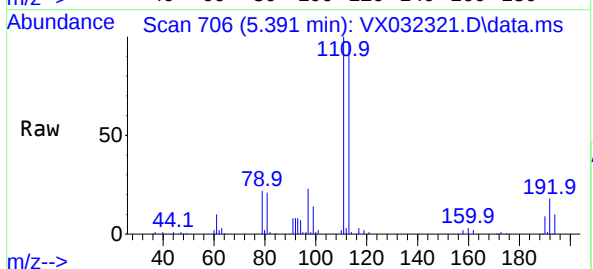


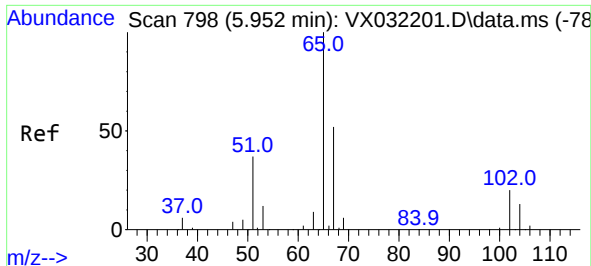
Tgt Ion: 56 Resp: 3400
Ion Ratio Lower Upper
56 100
69 143.0 25.4 38.0#
84 98.8 71.2 106.8



#32
1,1,1-Trichloroethane
Concen: 7.195 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

Tgt Ion: 97 Resp: 16864
Ion Ratio Lower Upper
97 100
99 62.9 51.8 77.8
61 44.9 35.7 53.5





#33

1,2-Dichloroethane-d4

Concen: 48.401 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032321.D

Acq: 22 Oct 2022 05:11

Instrument :

MSVOA_X

ClientSampleId :

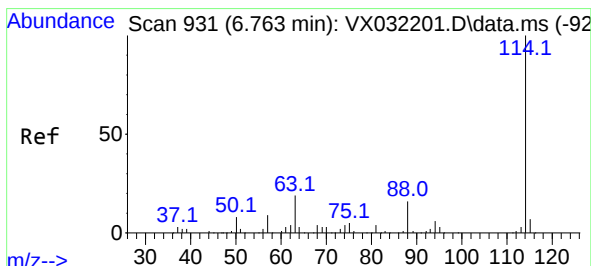
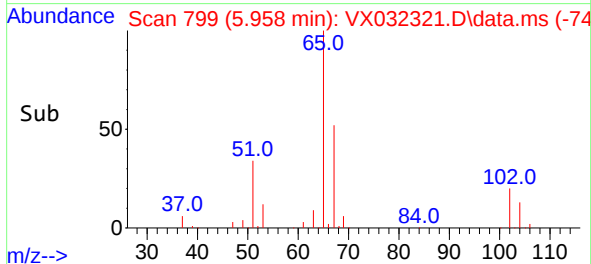
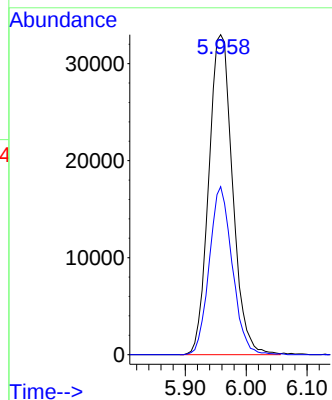
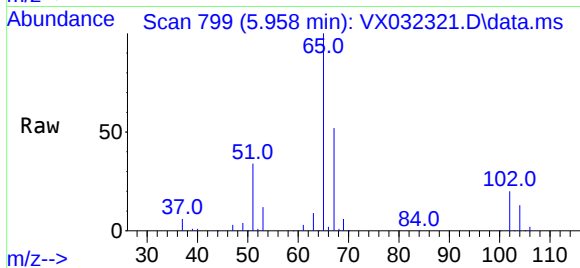
FSND-MW-28-20221019

Tgt Ion: 65 Resp: 89640

Ion Ratio Lower Upper

65 100

67 50.6 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: VX032321.D

Acq: 22 Oct 2022 05:11

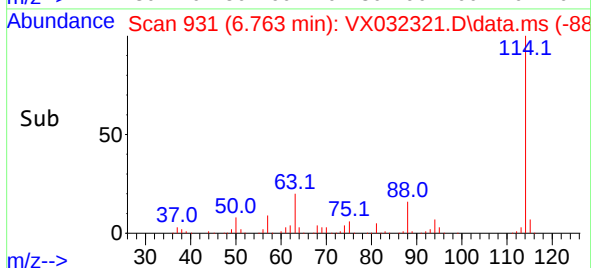
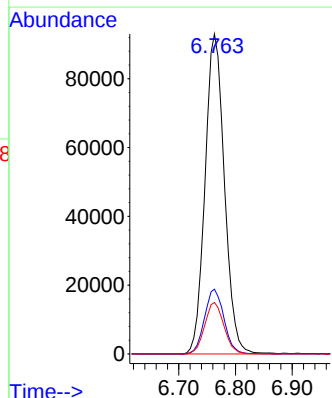
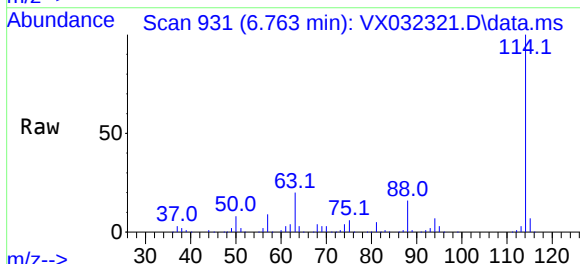
Tgt Ion: 114 Resp: 221091

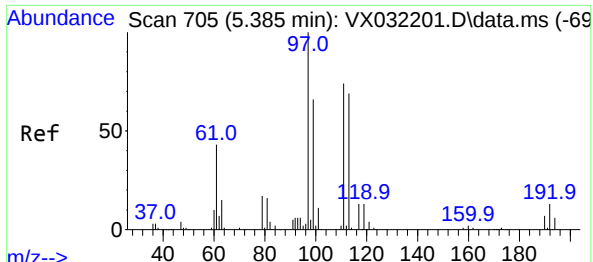
Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.6

88 16.1 0.0 32.6

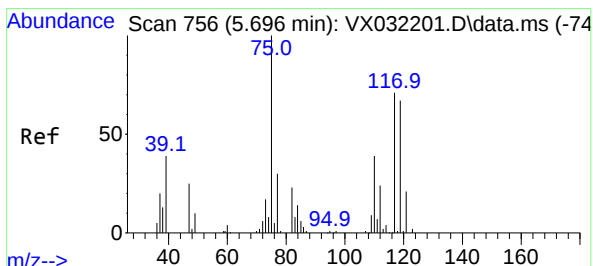
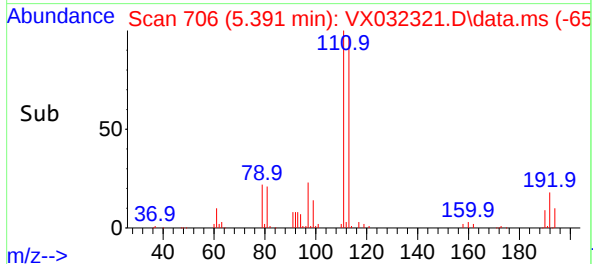
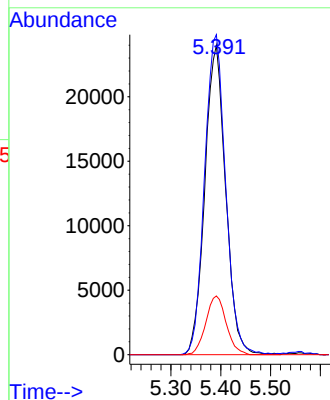
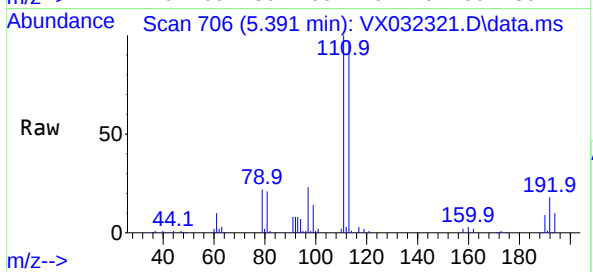




#35
Dibromofluoromethane
Concen: 45.219 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

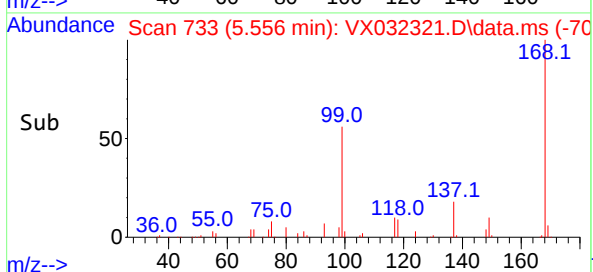
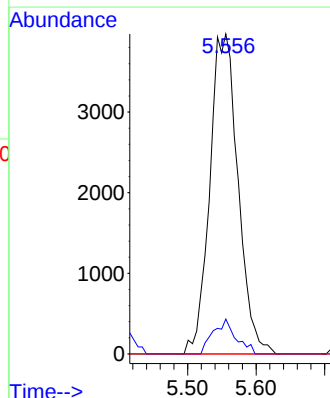
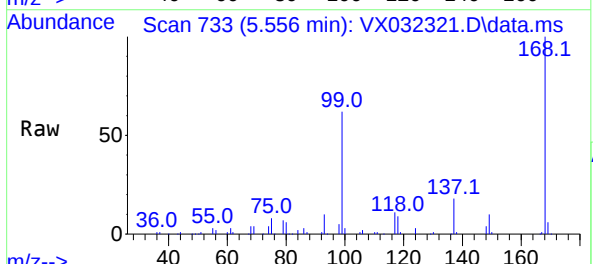
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20221019

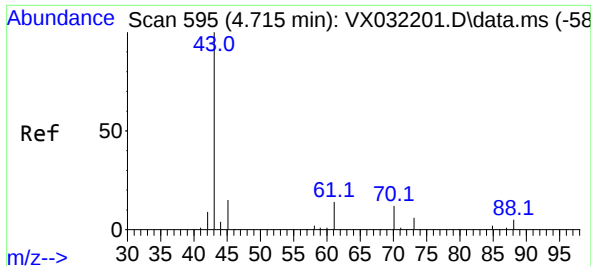
Tgt Ion:113 Resp: 69570
Ion Ratio Lower Upper
113 100
111 104.6 82.8 124.2
192 18.6 15.5 23.3



#36
1,1-Dichloropropene
Concen: 5.737 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

Tgt Ion: 75 Resp: 11354
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.0#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.341 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.141 min

Lab File: VX032321.D

Acq: 22 Oct 2022 05:11

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-28-20221019

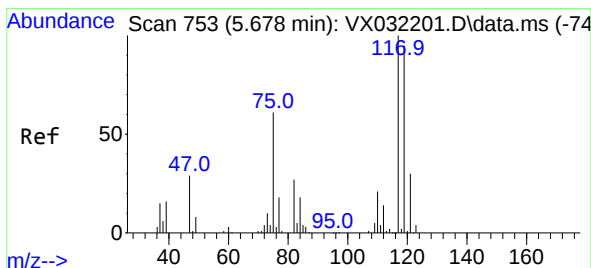
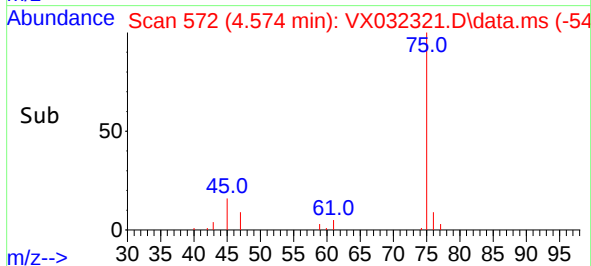
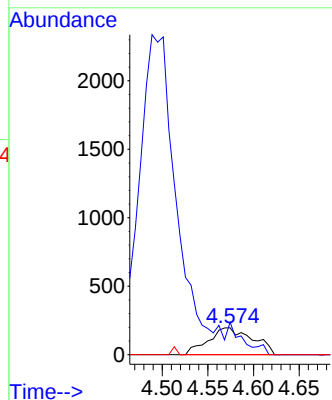
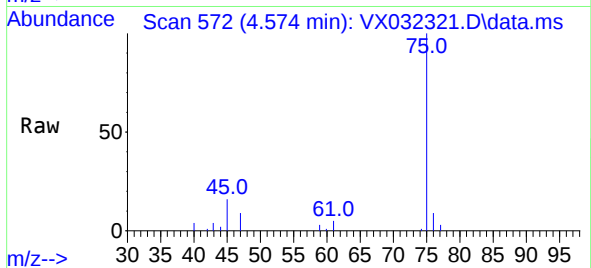
Tgt Ion: 43 Resp: 660

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.2#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 0.521 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.012 min

Lab File: VX032321.D

Acq: 22 Oct 2022 05:11

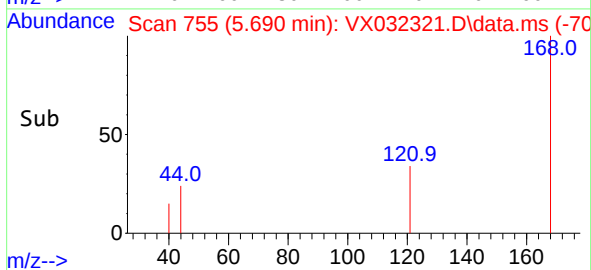
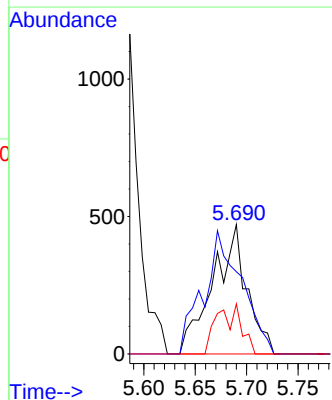
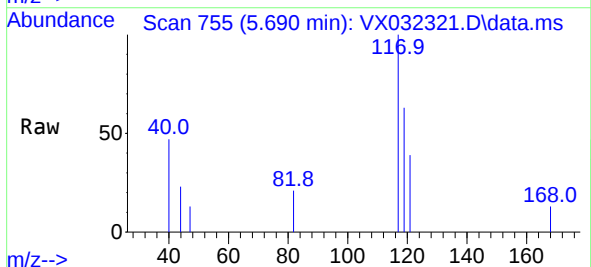
Tgt Ion: 117 Resp: 1088

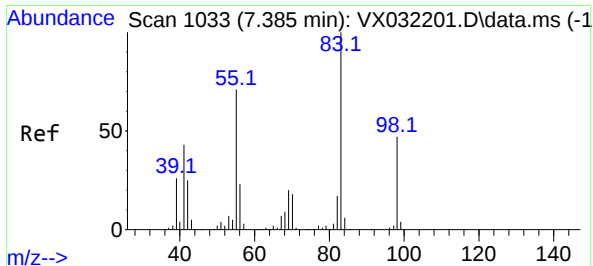
Ion Ratio Lower Upper

117 100

119 63.5 75.4 113.0#

121 38.6 23.9 35.9#





#39

Methylcyclohexane

Concen: 1.627 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.262 min

Lab File: VX032321.D

Acq: 22 Oct 2022 05:11

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-28-20221019

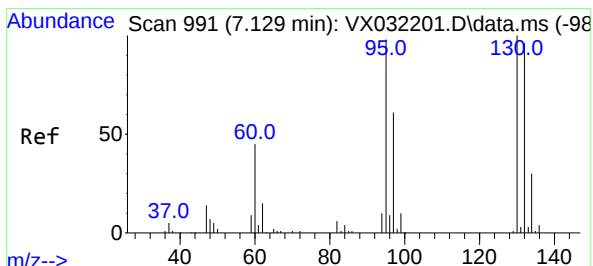
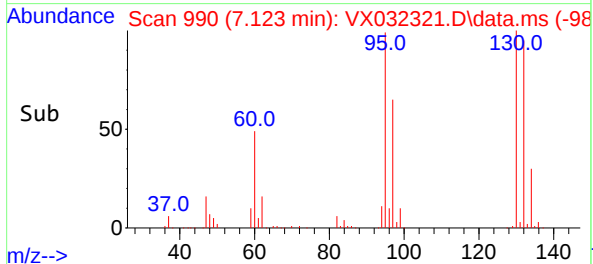
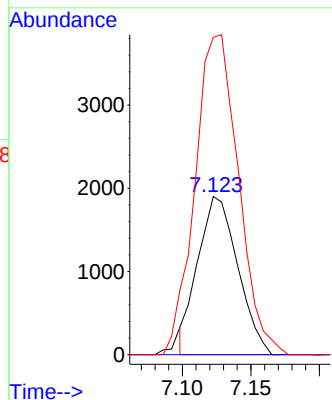
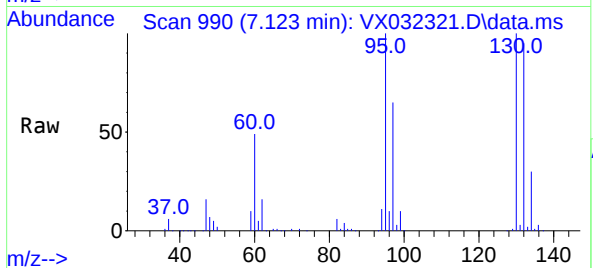
Tgt Ion: 83 Resp: 3846

Ion Ratio Lower Upper

83 100

55 0.0 56.6 85.0#

98 196.6 37.4 56.0#



#44

Trichloroethene

Concen: 207.437 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX032321.D

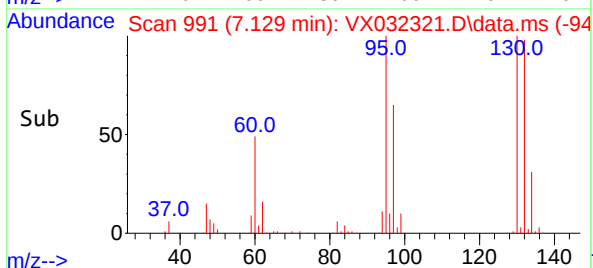
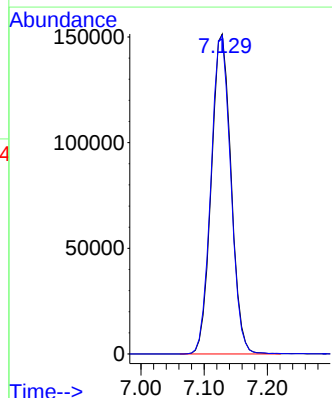
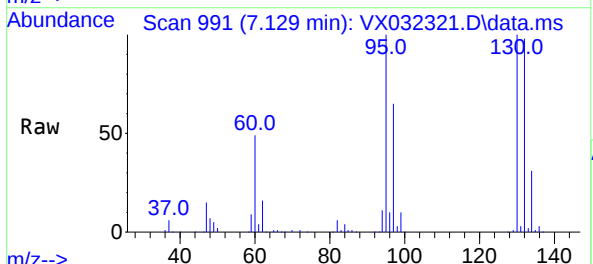
Acq: 22 Oct 2022 05:11

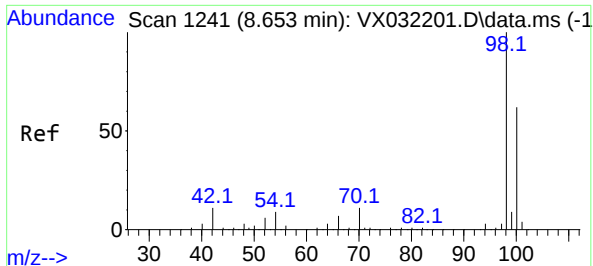
Tgt Ion:130 Resp: 327653

Ion Ratio Lower Upper

130 100

95 99.5 0.0 196.8

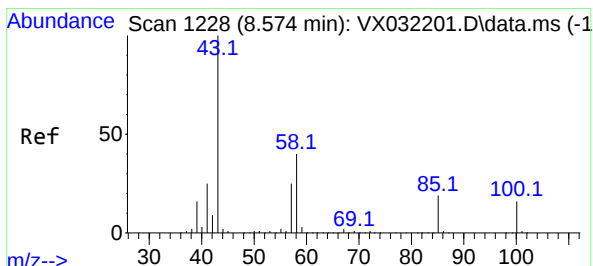
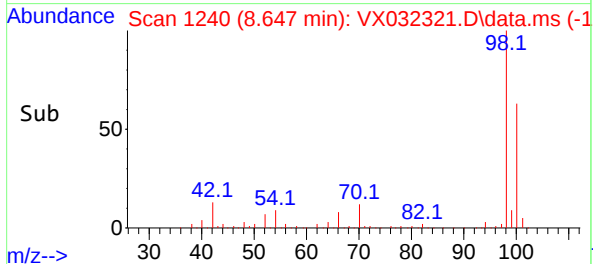
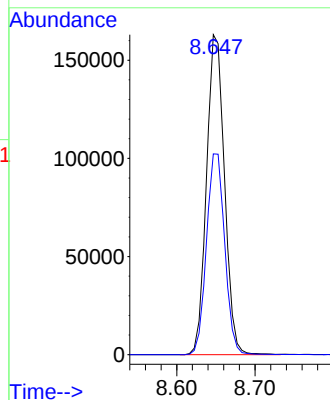
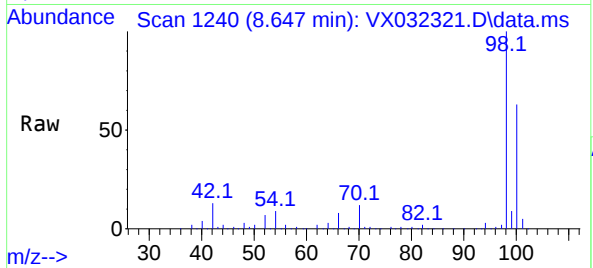




#50
Toluene-d8
Concen: 46.867 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

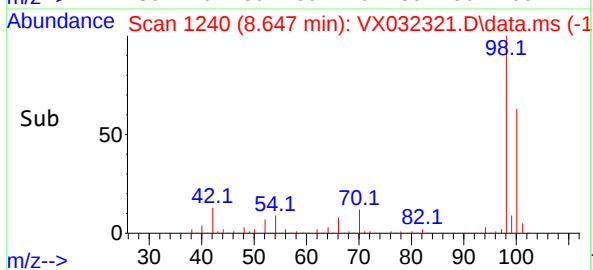
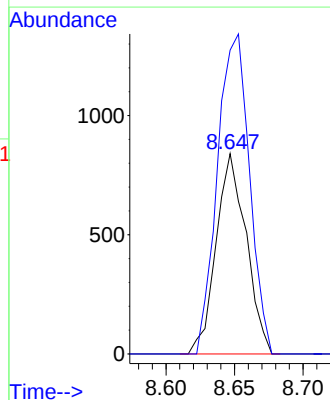
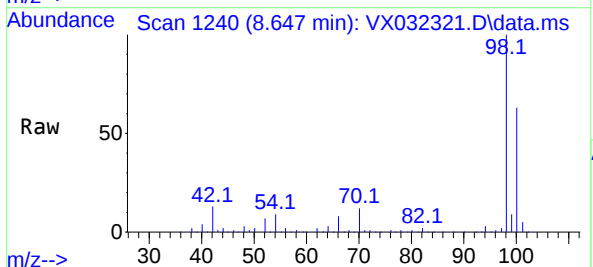
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20221019

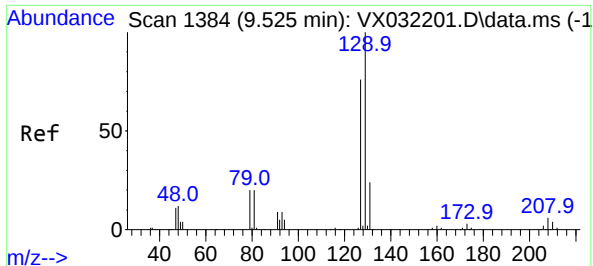
Tgt Ion: 98 Resp: 259554
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.672 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
58 170.4 31.0 46.4#

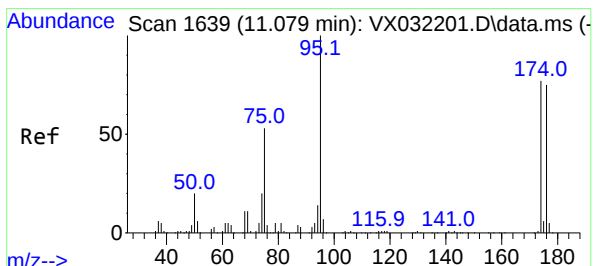
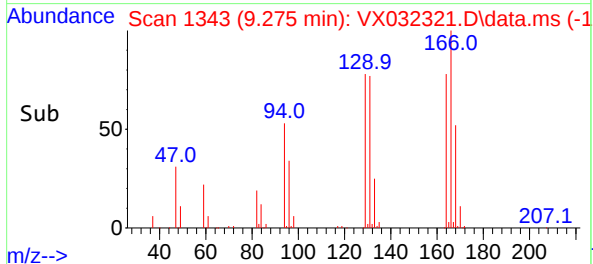
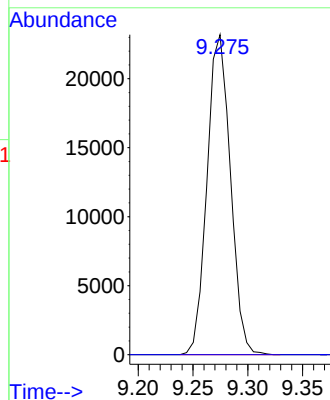
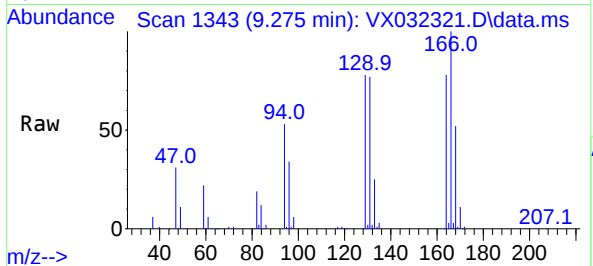




#60
Dibromochloromethane
Concen: 22.253 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

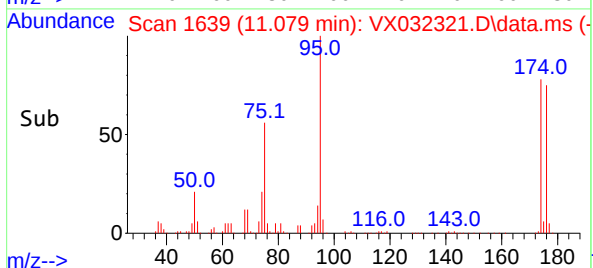
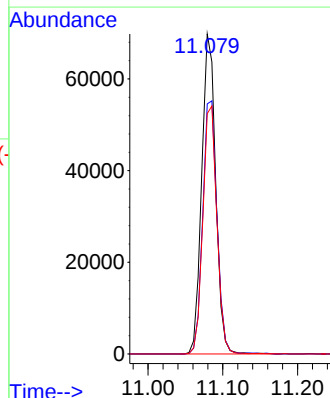
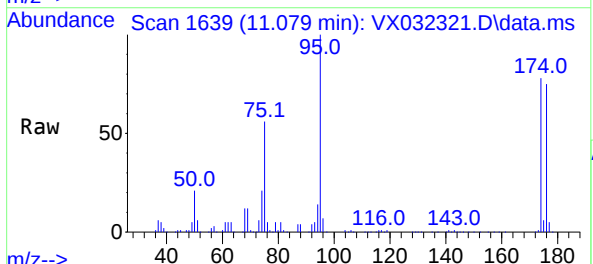
Instrument : MSVOA_X
ClientSampleId : FSND-MW-28-20221019

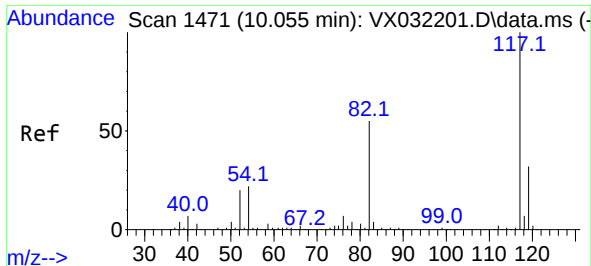
Tgt Ion:129 Resp: 34425
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 44.623 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

Tgt Ion: 95 Resp: 90494
Ion Ratio Lower Upper
95 100
174 80.4 0.0 166.8
176 78.0 0.0 161.4

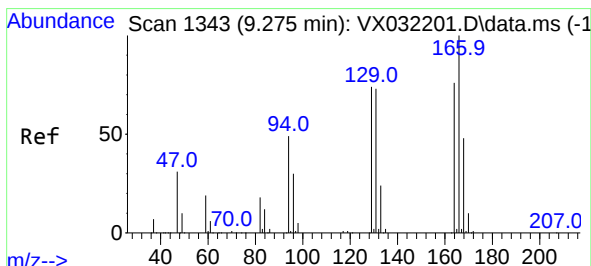
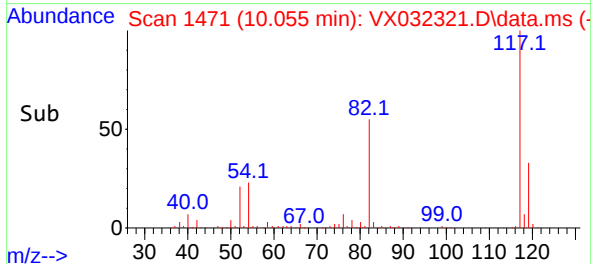
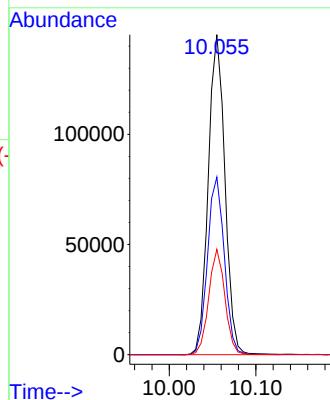
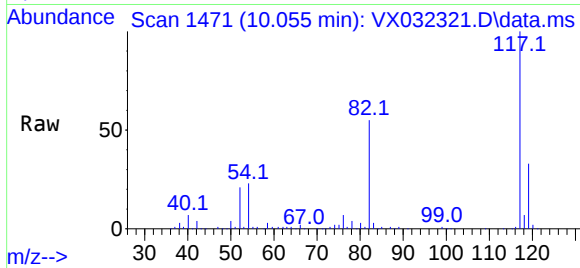




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

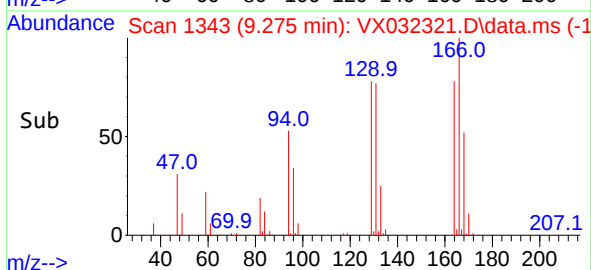
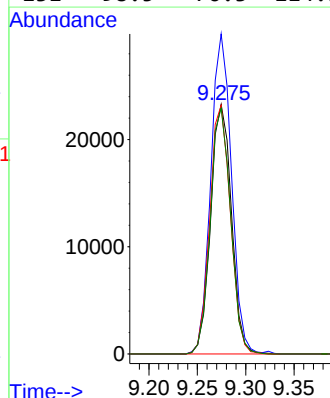
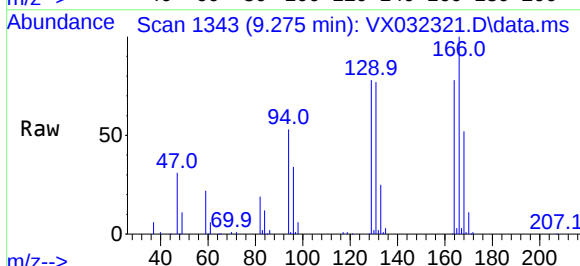
Instrument : MSVOA_X
ClientSampleId : FSND-MW-28-20221019

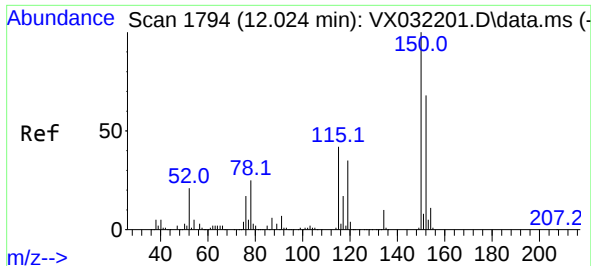
Tgt Ion:117 Resp: 194317
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.4
119 32.9 25.8 38.8



#64
Tetrachloroethene
Concen: 27.104 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

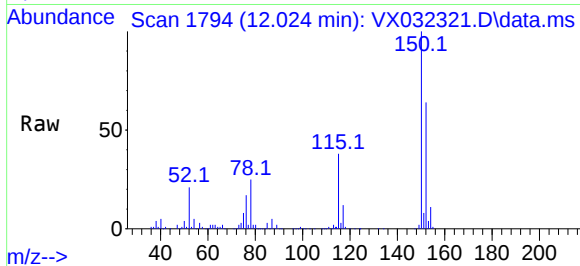
Tgt Ion:164 Resp: 34779
Ion Ratio Lower Upper
164 100
166 128.2 104.9 157.3
129 99.6 77.8 116.6
131 98.5 76.3 114.5



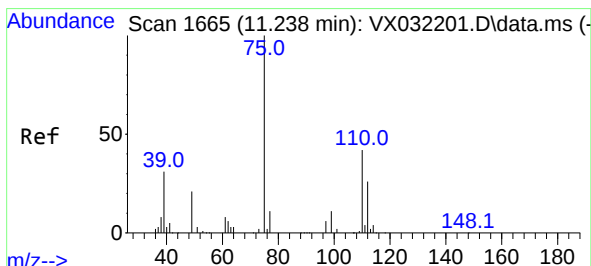
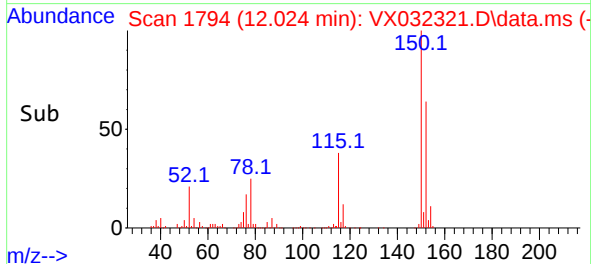
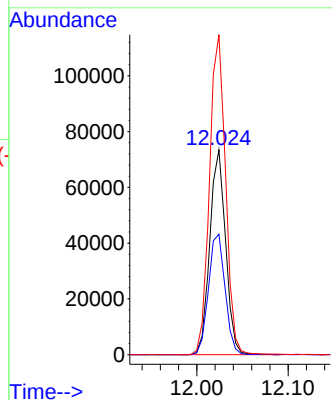


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-28-20221019

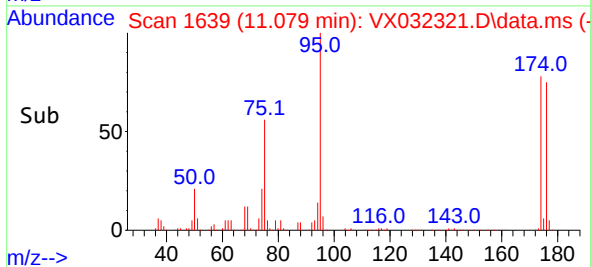
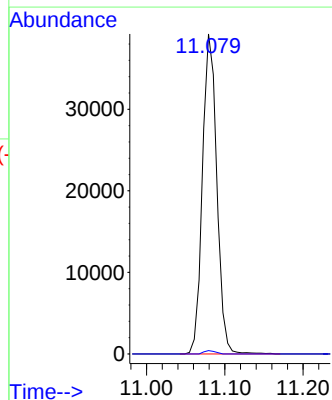
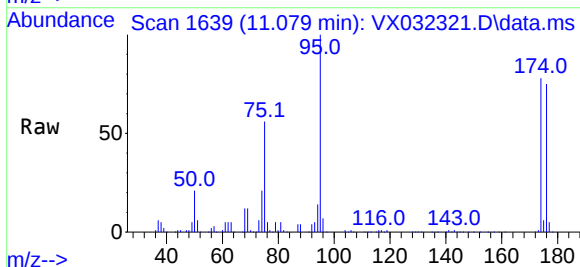


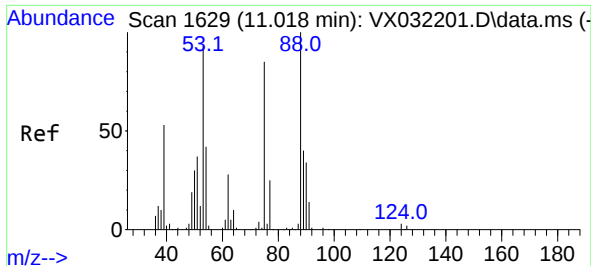
Tgt Ion:152 Resp: 88254
Ion Ratio Lower Upper
152 100
115 61.6 43.1 129.4
150 158.7 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 28.587 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032321.D
Acq: 22 Oct 2022 05:11

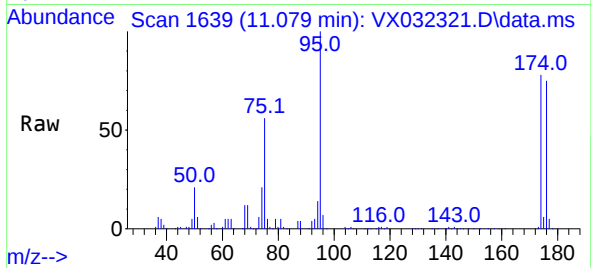
Tgt Ion: 75 Resp: 49989
Ion Ratio Lower Upper
75 100
77 0.8 16.0 47.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.611 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032321.D
 Acq: 22 Oct 2022 05:11

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-28-20221019



Tgt Ion: 75 Resp: 49989
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.8 131.8#
 89 0.0 37.8 56.8#

