

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032371.D
 Acq On : 25 Oct 2022 17:56
 Operator : JC/MD
 Sample : N5249-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FSND-MW-24-20221019

Quant Time: Oct 27 14:18:13 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)

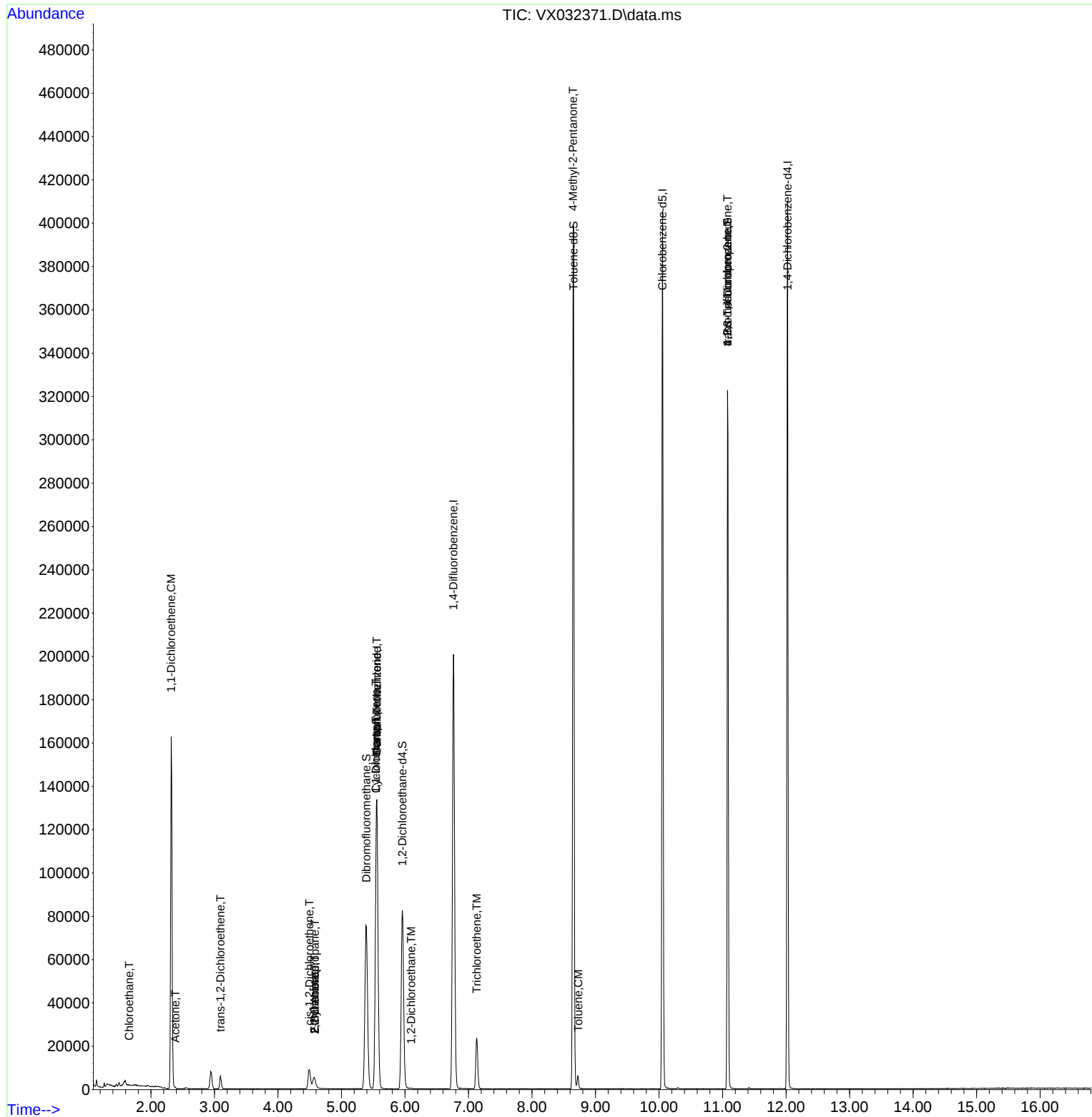
Internal Standards						
1) Pentafluorobenzene	5.556	168	125934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203104	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81280	49.613	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.220%
35) Dibromofluoromethane	5.391	113	65526	46.363	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.720%
50) Toluene-d8	8.653	98	236968	46.578	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.160%
62) 4-Bromofluorobenzene	11.079	95	81721	43.866	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.740%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	46	Below Cal	#	44
6) Chloroethane	1.654	64	277	2.167	ug/l #	41
11) Tert butyl alcohol	2.941	59	4934	Below Cal	#	74
12) 1,1-Dichloroethene	2.319	96	51577	45.885	ug/l	96
16) Acetone	2.386	43	589	1.108	ug/l #	88
21) trans-1,2-Dichloroethene	3.093	96	2470	2.018	ug/l	91
25) 2-Butanone	4.574	43	459	0.553	ug/l #	48
26) 2,2-Dichloropropane	4.580	77	384	0.239	ug/l #	52
27) cis-1,2-Dichloroethene	4.495	96	5916	4.127	ug/l	93
31) Cyclohexane	5.544	56	2929	1.564	ug/l #	51
36) 1,1-Dichloropropene	5.544	75	9944	5.470	ug/l #	50
37) Ethyl Acetate	4.574	43	459	0.258	ug/l #	68
38) Carbon Tetrachloride	5.556	117	13604	7.088	ug/l #	17
42) 1,2-Dichloroethane	6.098	62	481	0.238	ug/l #	76
44) Trichloroethene	7.129	130	9103	6.273	ug/l	90
51) 4-Methyl-2-Pentanone	8.647	43	1129	0.645	ug/l #	1
52) Toluene	8.726	92	2256	0.661	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	44297	27.452	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	44297	84.245	ug/l #	6

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

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FSND-MW-24-20221019

Quant Time: Oct 27 14:18:13 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

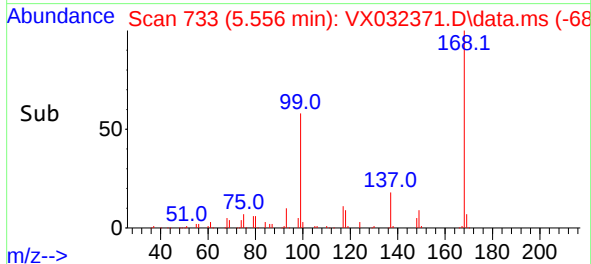
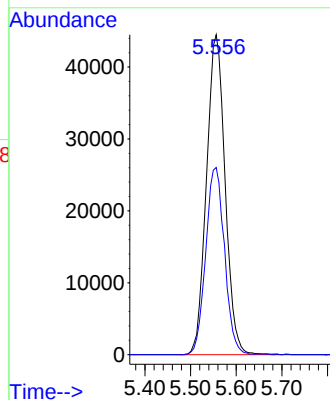
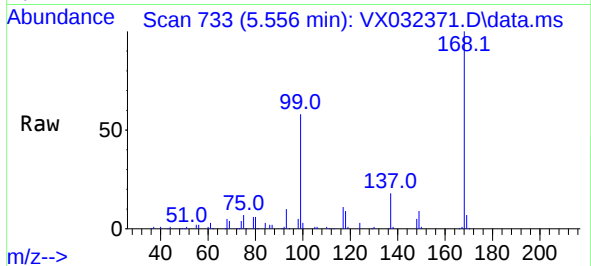




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

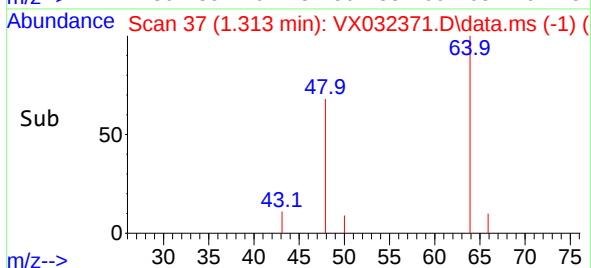
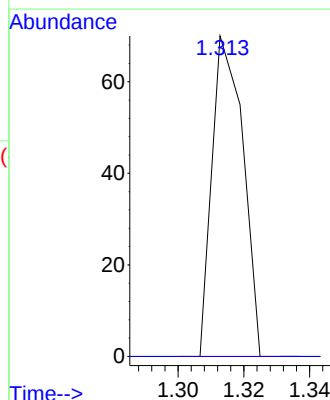
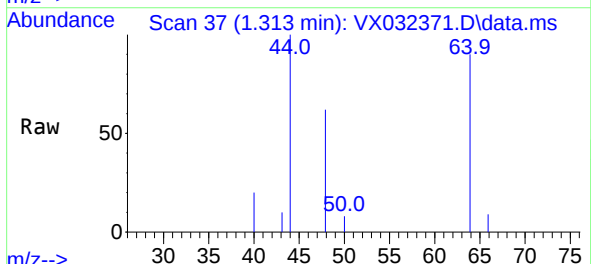
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20221019

Tgt Ion:168 Resp: 125934
Ion Ratio Lower Upper
168 100
99 58.5 44.8 67.2

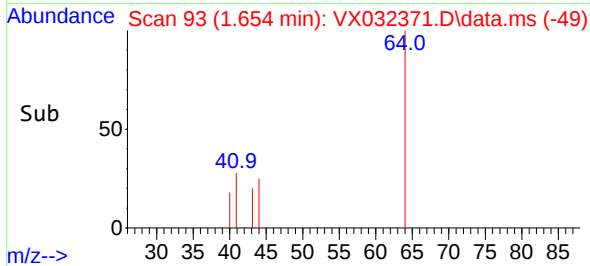
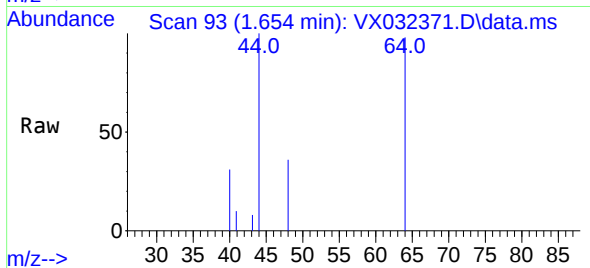
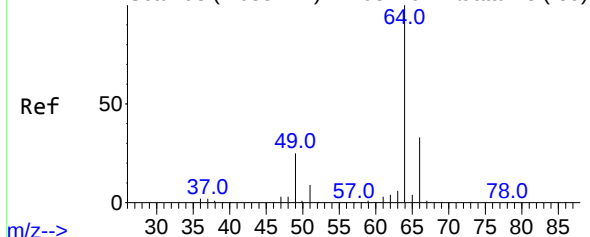


#3
Chloromethane
Concen: Below Cal
RT: 1.313 min Scan# 37
Delta R.T. 0.018 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

Tgt Ion: 50 Resp: 46
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



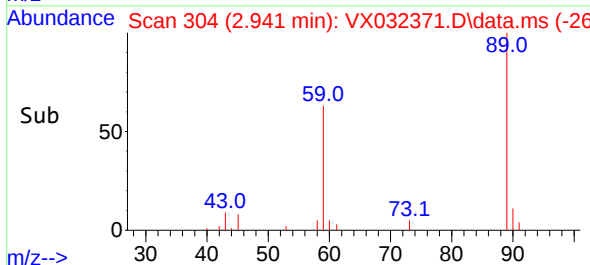
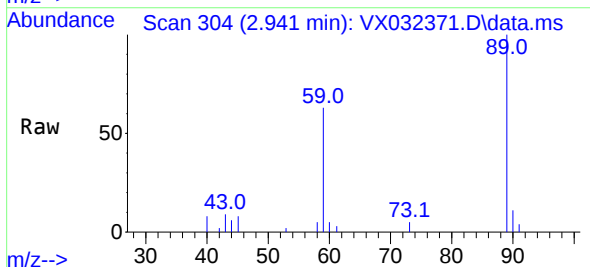
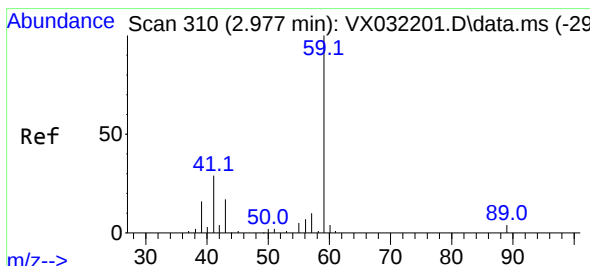
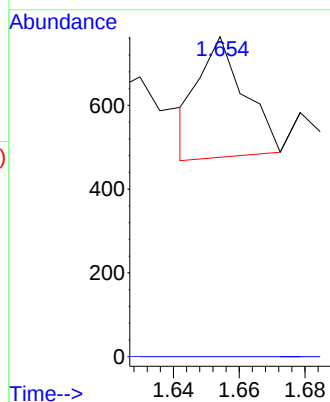
Abundance Scan 98 (1.685 min): VX032201.D\data.ms (-89)



#6
Chloroethane
Concen: 2.167 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.031 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

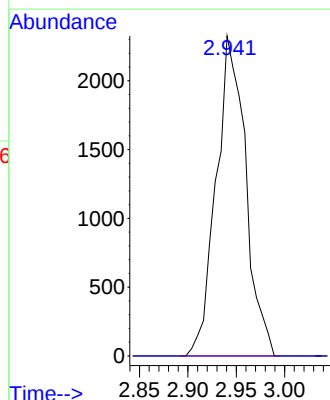
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20221019

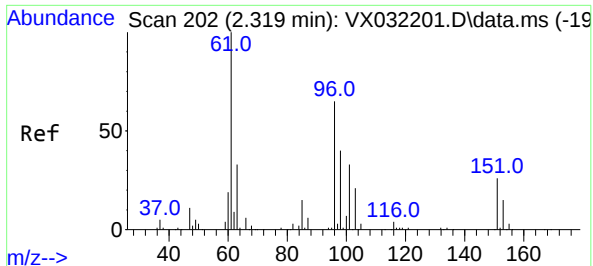
Tgt Ion: 64 Resp: 277
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

Tgt Ion: 59 Resp: 4934
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

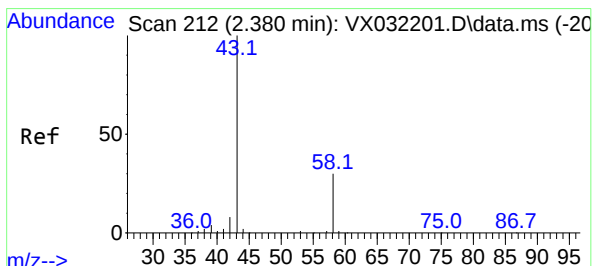
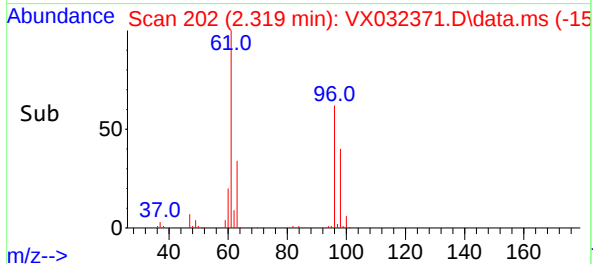
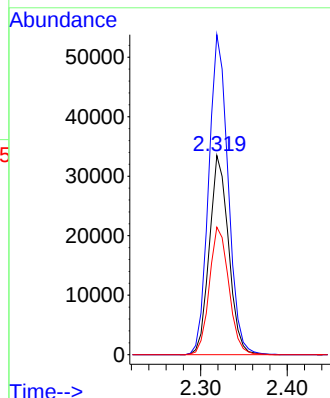
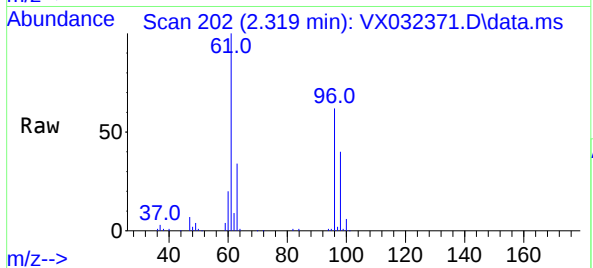




#12
1,1-Dichloroethene
Concen: 45.885 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

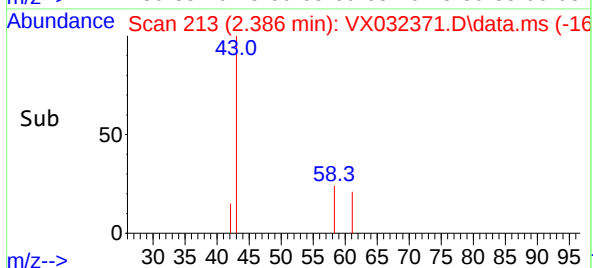
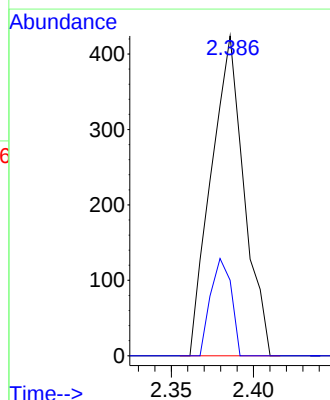
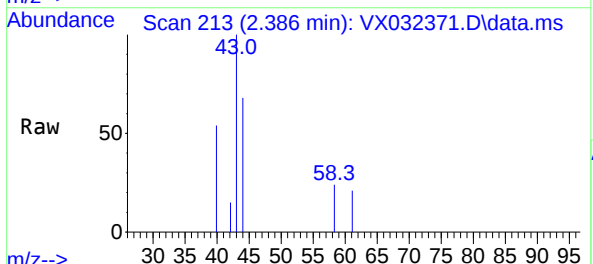
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20221019

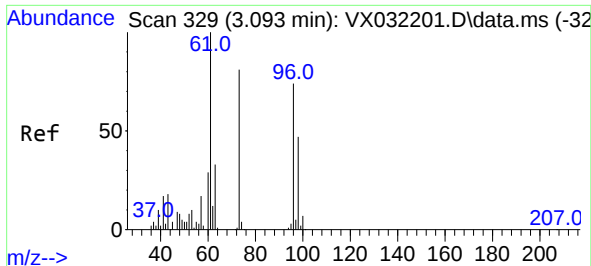
Tgt Ion: 96 Resp: 51577
Ion Ratio Lower Upper
96 100
61 160.7 124.0 186.0
98 64.1 50.0 75.0



#16
Acetone
Concen: 1.108 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

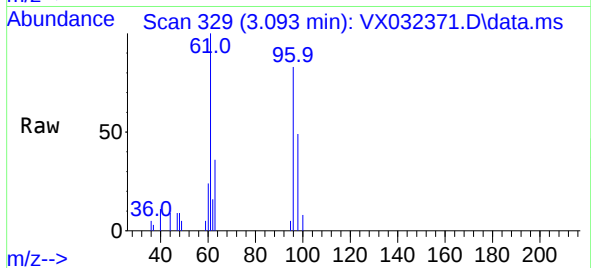
Tgt Ion: 43 Resp: 589
Ion Ratio Lower Upper
43 100
58 23.6 24.2 36.2#



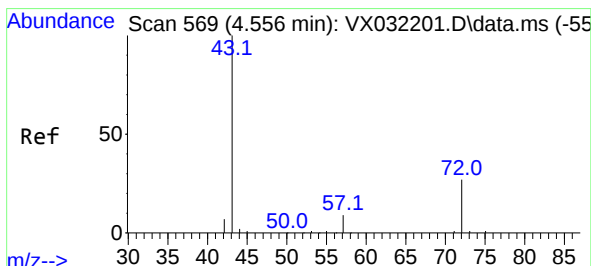
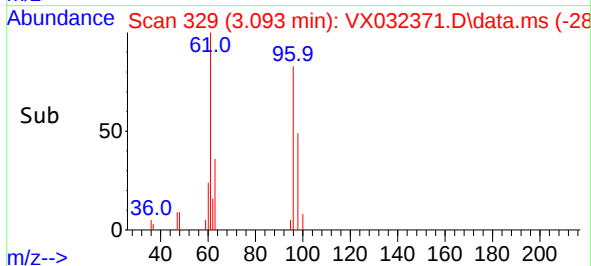
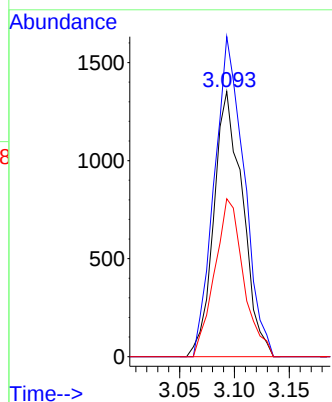


#21
trans-1,2-Dichloroethene
Concen: 2.018 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20221019

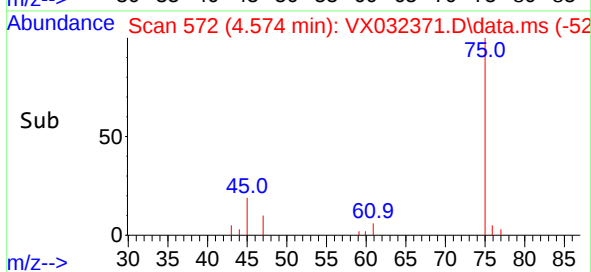
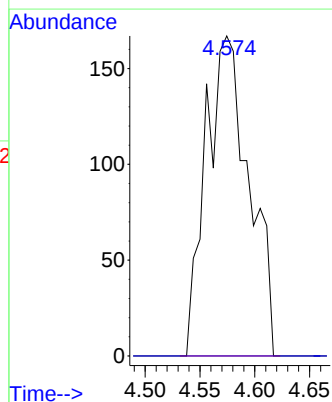
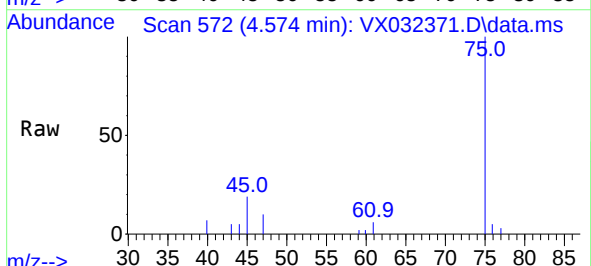


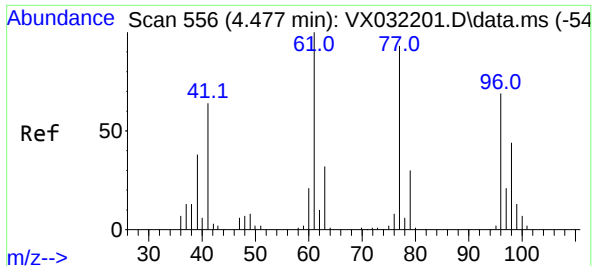
Tgt Ion: 96 Resp: 2470
Ion Ratio Lower Upper
96 100
61 120.7 107.7 161.5
98 59.5 50.2 75.4



#25
2-Butanone
Concen: 0.553 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

Tgt Ion: 43 Resp: 459
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#





#26

2,2-Dichloropropane

Concen: 0.239 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.103 min

Lab File: VX032371.D

Acq: 25 Oct 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

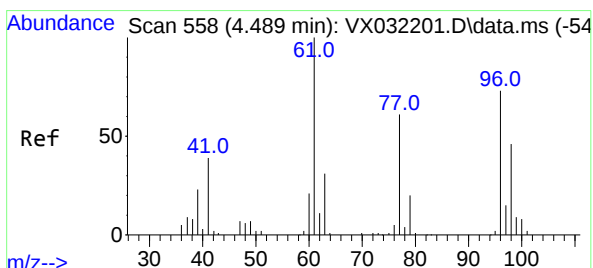
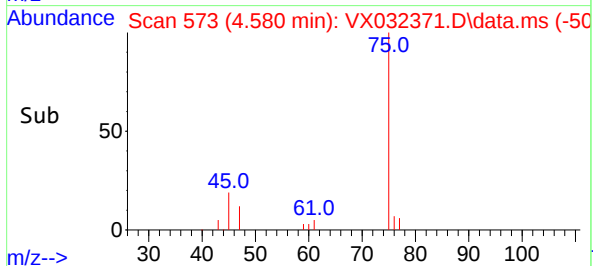
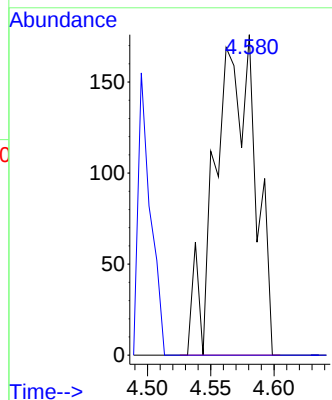
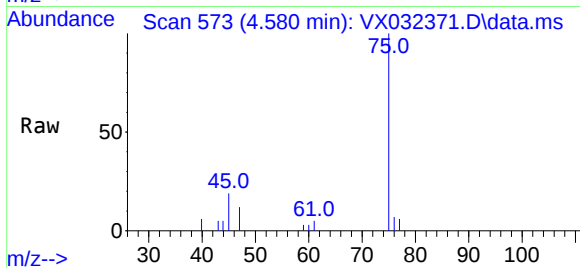
FSND-MW-24-20221019

Tgt Ion: 77 Resp: 384

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



#27

cis-1,2-Dichloroethene

Concen: 4.127 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX032371.D

Acq: 25 Oct 2022 17:56

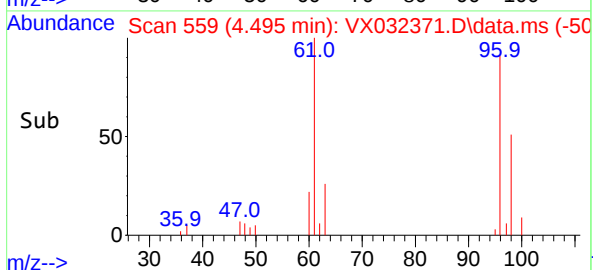
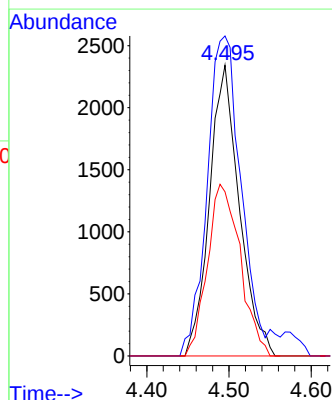
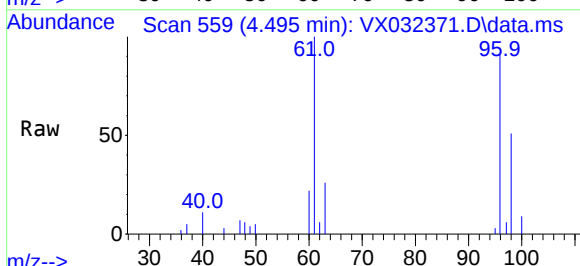
Tgt Ion: 96 Resp: 5916

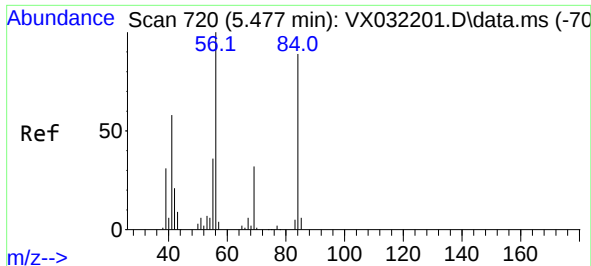
Ion Ratio Lower Upper

96 100

61 127.5 0.0 279.2

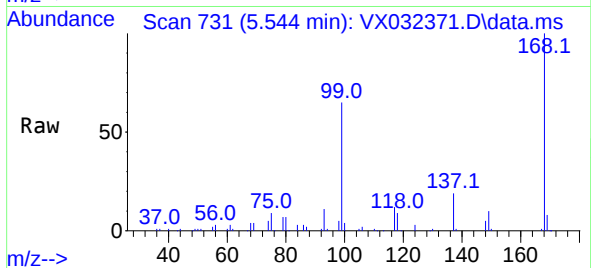
98 64.8 0.0 128.0



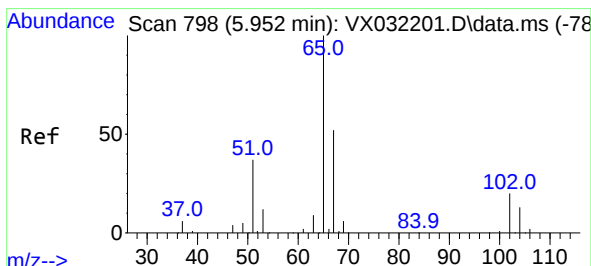
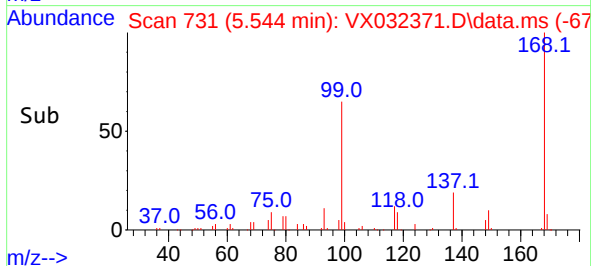
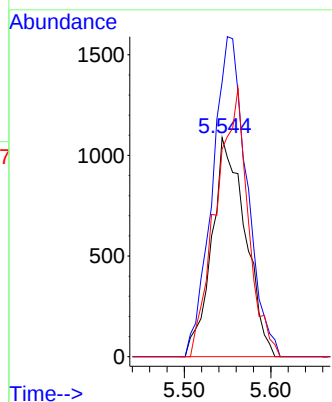


#31
Cyclohexane
Concen: 1.564 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.067 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20221019

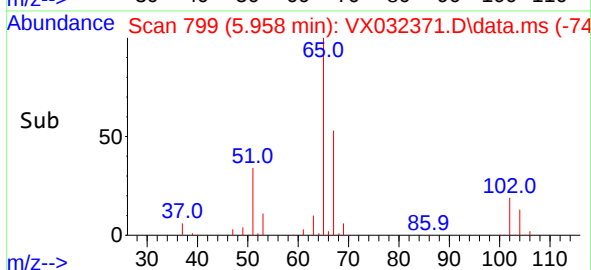
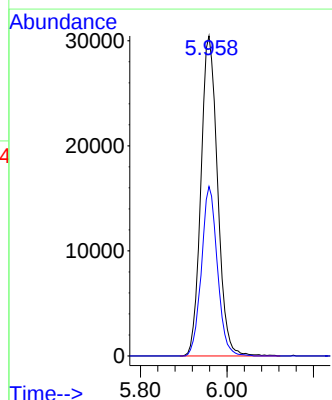
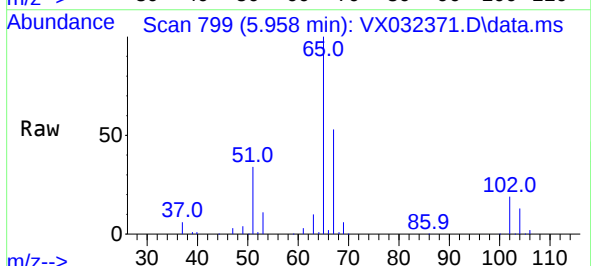


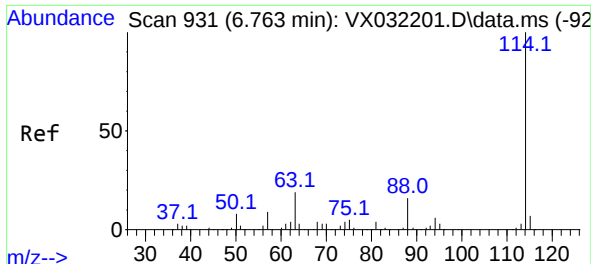
Tgt Ion: 56 Resp: 2929
Ion Ratio Lower Upper
56 100
69 125.5 25.4 38.0#
84 94.9 71.2 106.8



#33
1,2-Dichloroethane-d4
Concen: 49.613 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

Tgt Ion: 65 Resp: 81280
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.6

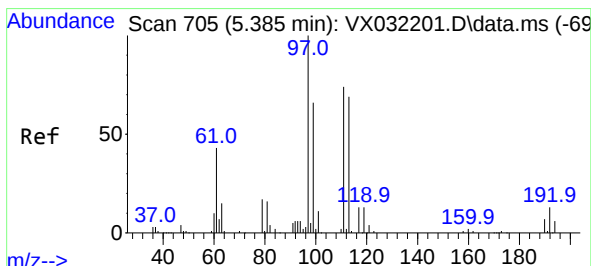
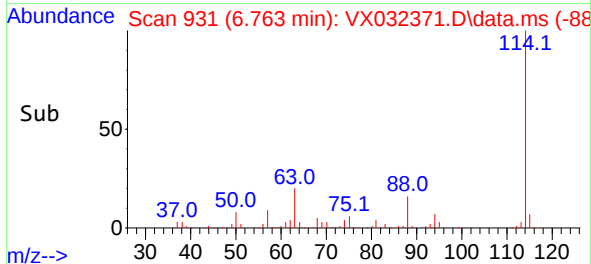
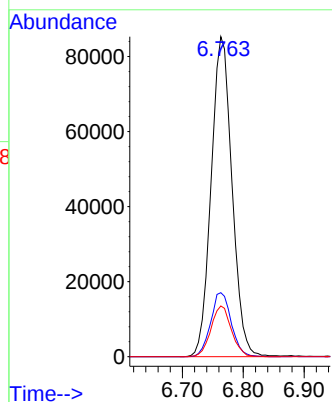
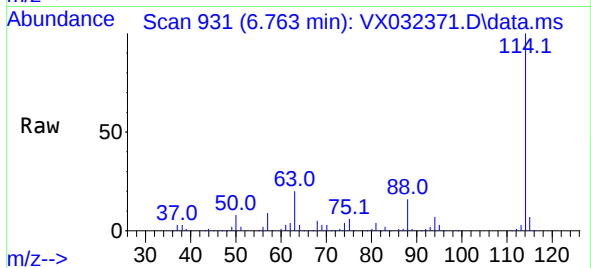




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

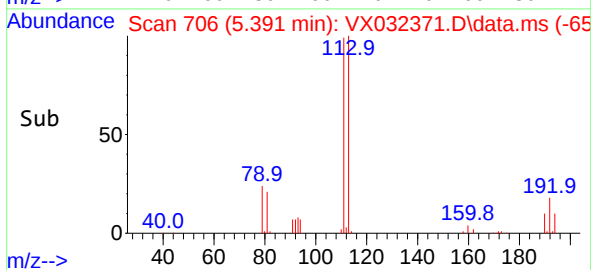
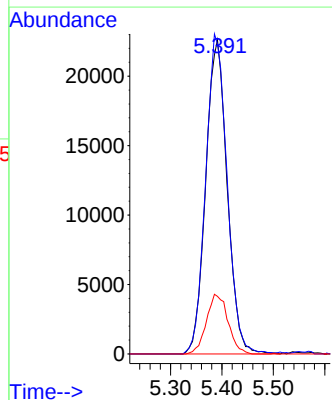
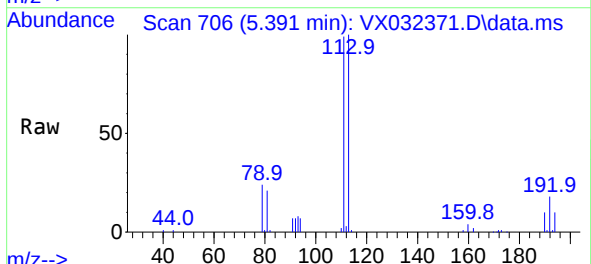
Instrument :
MSVOA_X
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FSND-MW-24-20221019

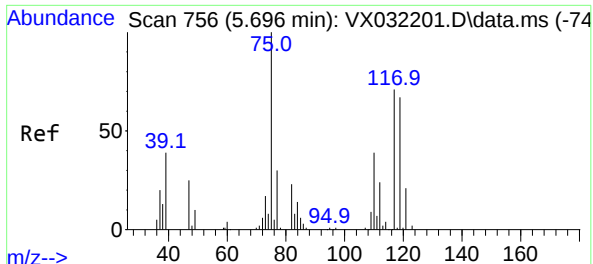
Tgt Ion:114 Resp: 203104
Ion Ratio Lower Upper
114 100
63 20.0 0.0 38.6
88 15.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 46.363 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

Tgt Ion:113 Resp: 65526
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 19.1 15.5 23.3





#36

1,1-Dichloropropene

Concen: 5.470 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX032371.D

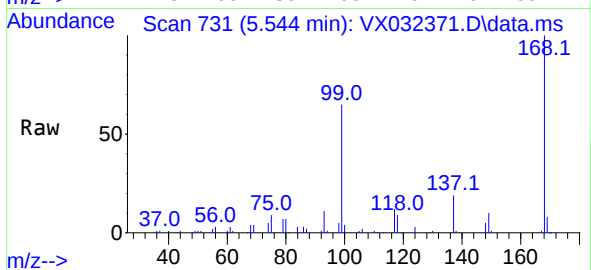
Acq: 25 Oct 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-24-20221019



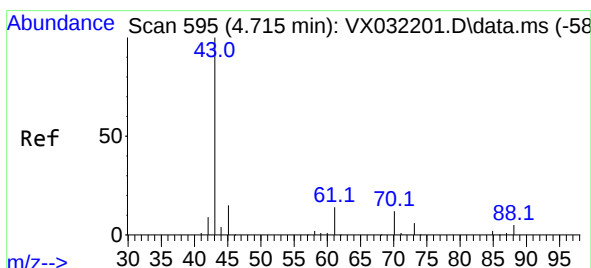
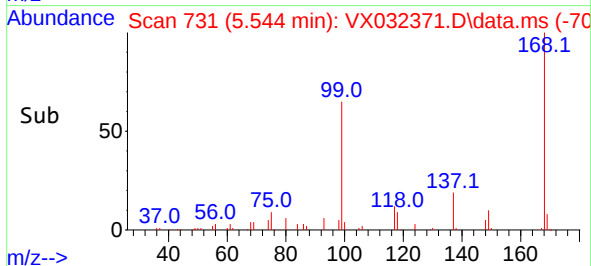
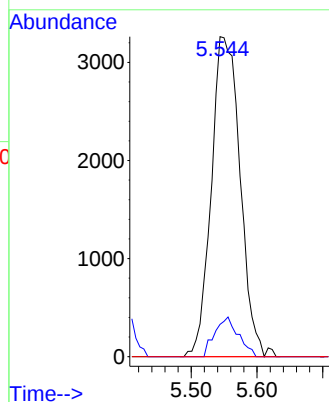
Tgt Ion: 75 Resp: 9944

Ion Ratio Lower Upper

75 100

110 10.1 18.4 55.0#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.258 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.141 min

Lab File: VX032371.D

Acq: 25 Oct 2022 17:56

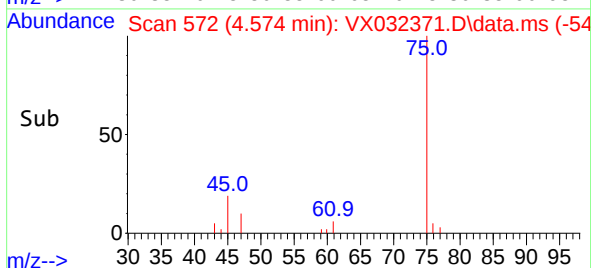
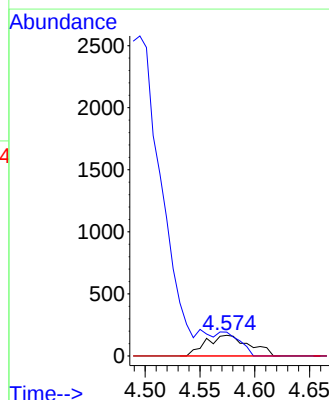
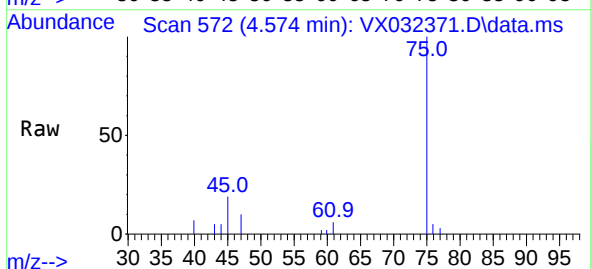
Tgt Ion: 43 Resp: 459

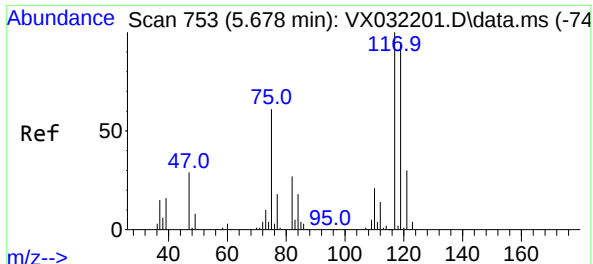
Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.2#

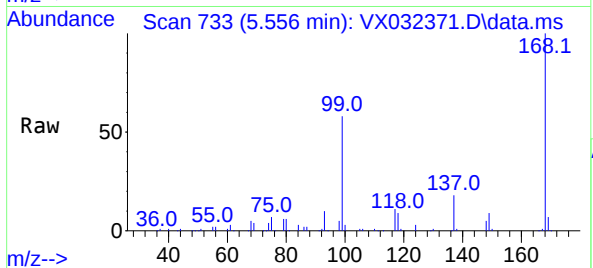
70 0.0 8.8 13.2#



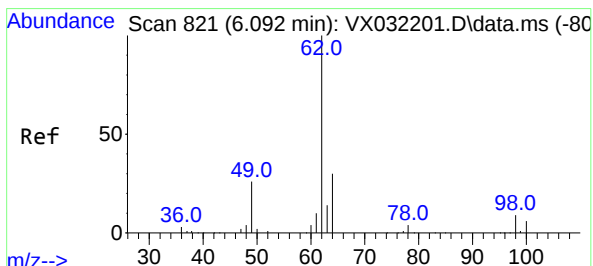
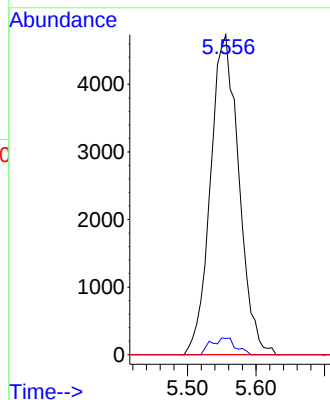
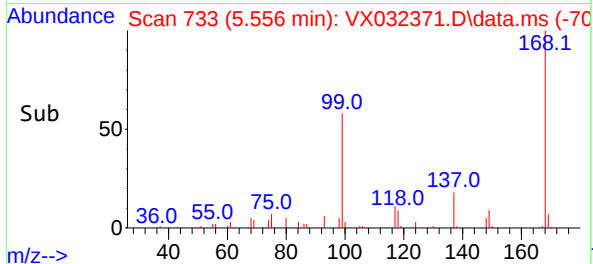


#38
Carbon Tetrachloride
Concen: 7.088 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20221019

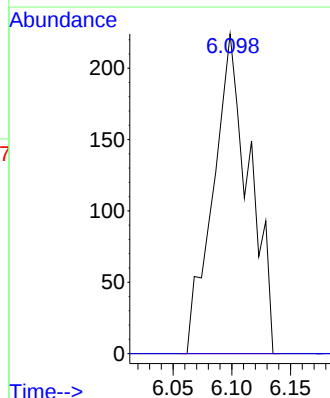
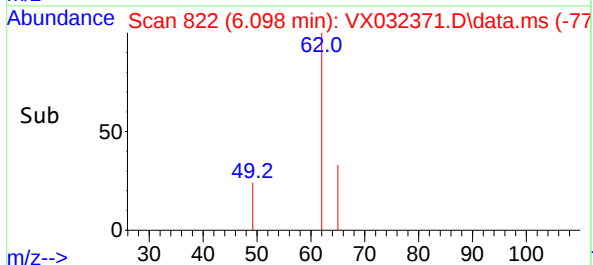
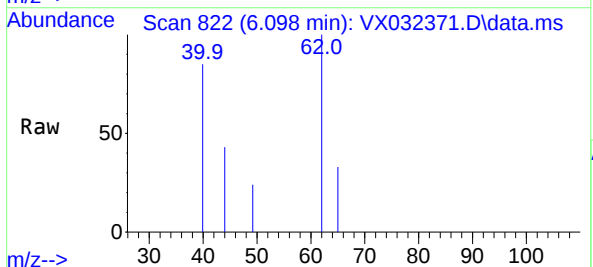


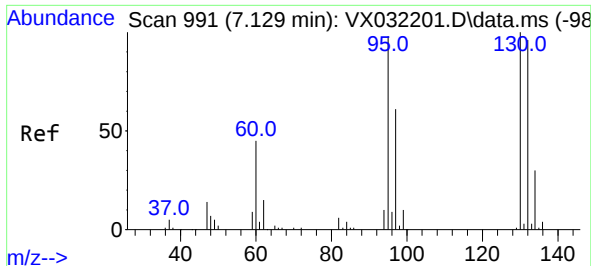
Tgt Ion:117 Resp: 13604
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.0#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.238 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.006 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

Tgt Ion: 62 Resp: 481
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.4

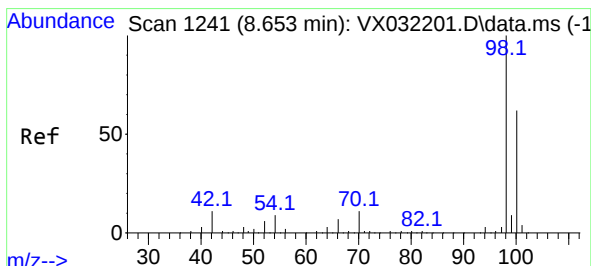
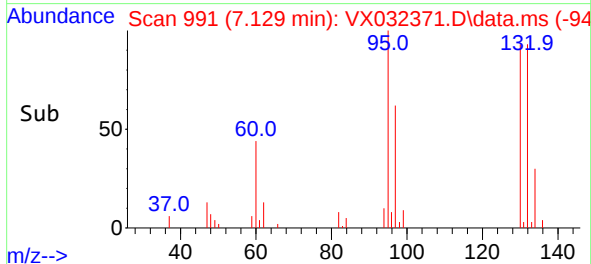
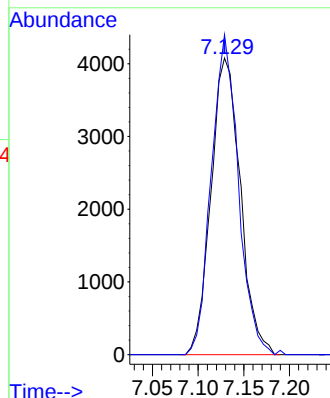
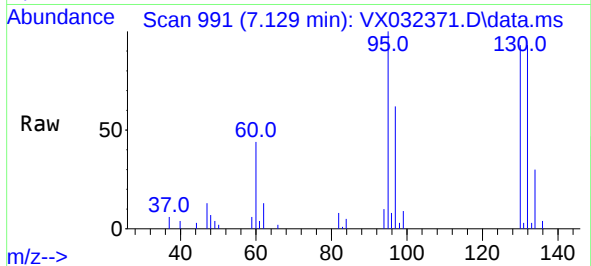




#44
Trichloroethene
Concen: 6.273 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

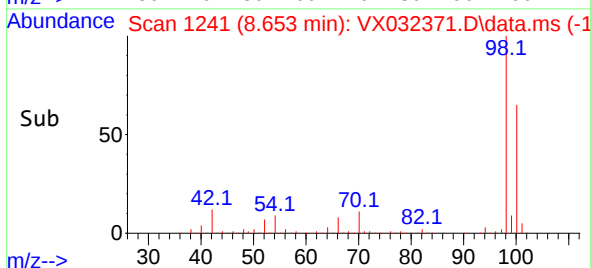
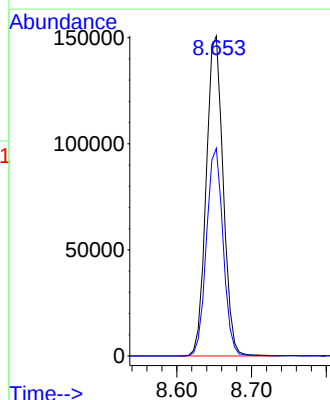
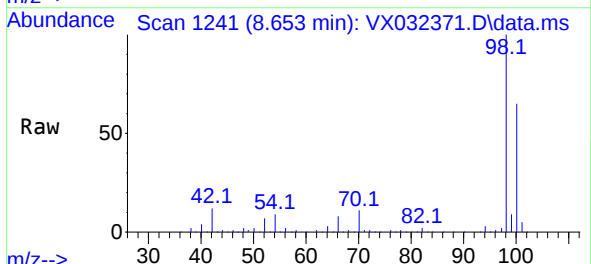
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20221019

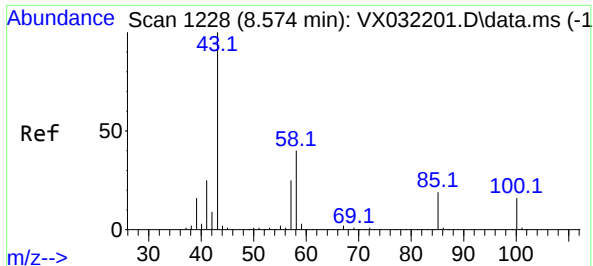
Tgt Ion:130 Resp: 9103
Ion Ratio Lower Upper
130 100
95 107.9 0.0 196.8



#50
Toluene-d8
Concen: 46.578 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

Tgt Ion: 98 Resp: 236968
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.645 ug/l

RT: 8.647 min Scan# 1129

Delta R.T. 0.073 min

Lab File: VX032371.D

Acq: 25 Oct 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

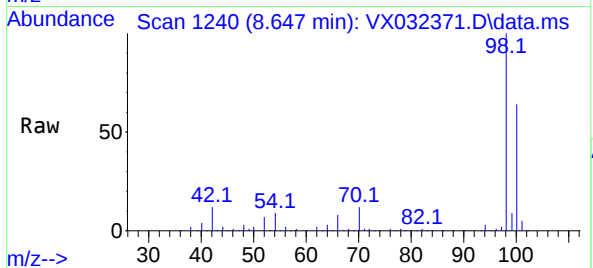
FSND-MW-24-20221019

Tgt Ion: 43 Resp: 1129

Ion Ratio Lower Upper

43 100

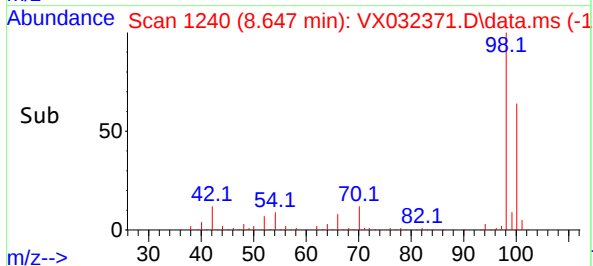
58 172.6 31.0 46.4#



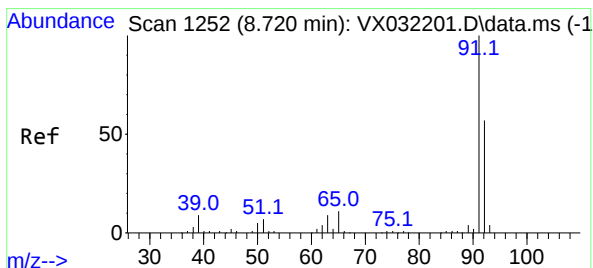
Abundance

1000

8.647



Time-->



#52

Toluene

Concen: 0.661 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX032371.D

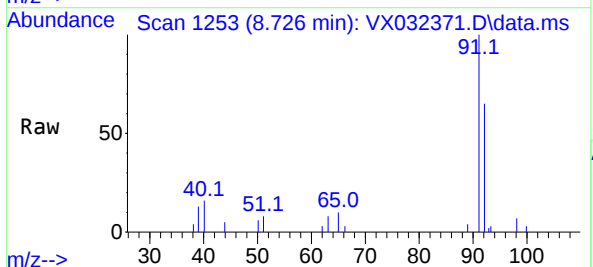
Acq: 25 Oct 2022 17:56

Tgt Ion: 92 Resp: 2256

Ion Ratio Lower Upper

92 100

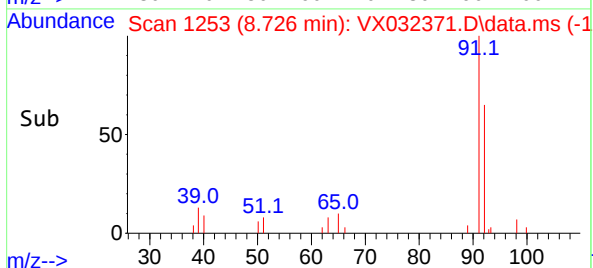
91 175.5 140.3 210.5



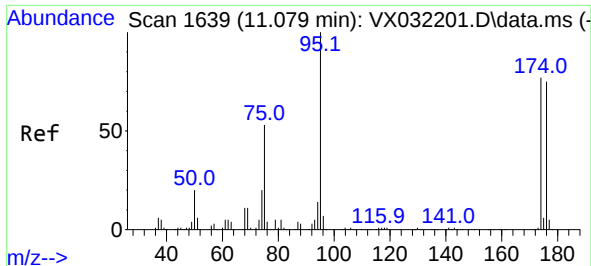
Abundance

2000

8.726



Time-->



#62

4-Bromofluorobenzene

Concen: 43.866 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032371.D

Acq: 25 Oct 2022 17:56

Instrument :

MSVOA_X

ClientSampleId :

FSND-MW-24-20221019

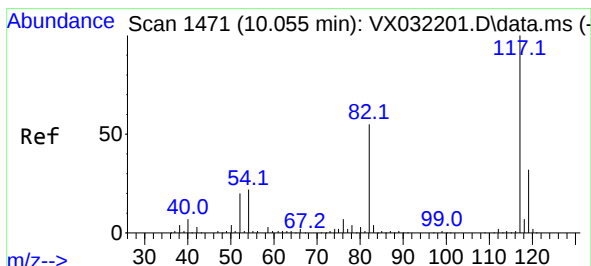
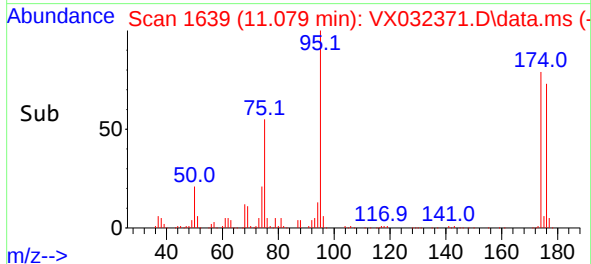
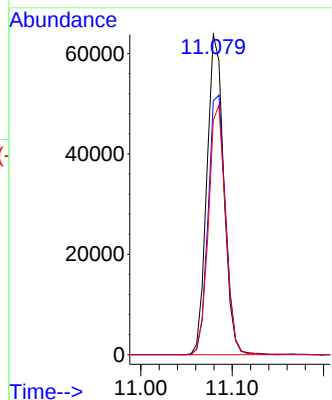
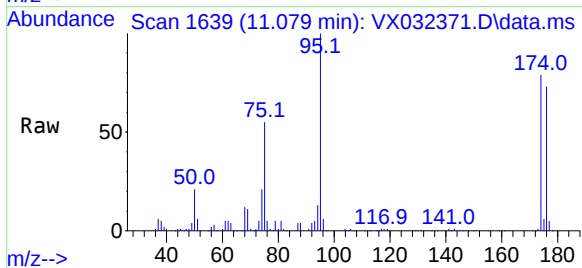
Tgt Ion: 95 Resp: 81721

Ion Ratio Lower Upper

95 100

174 83.5 0.0 166.8

176 78.7 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: VX032371.D

Acq: 25 Oct 2022 17:56

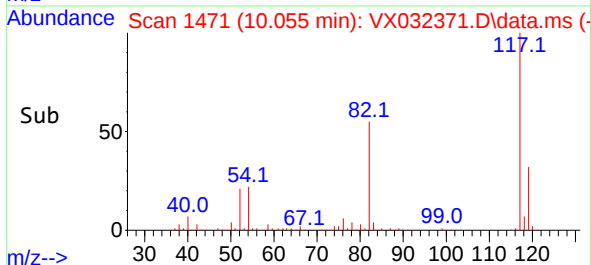
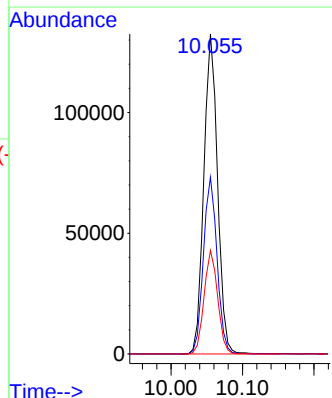
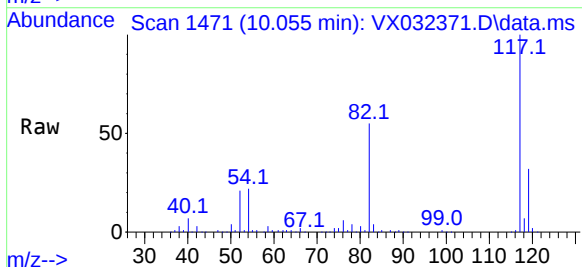
Tgt Ion: 117 Resp: 176800

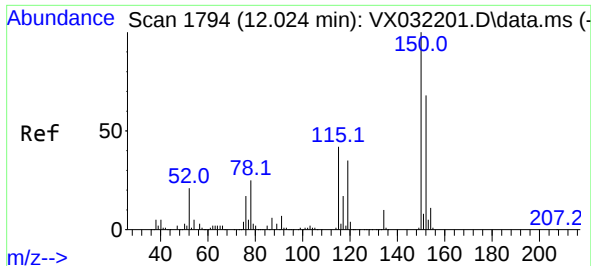
Ion Ratio Lower Upper

117 100

82 55.2 44.2 66.4

119 32.3 25.8 38.8

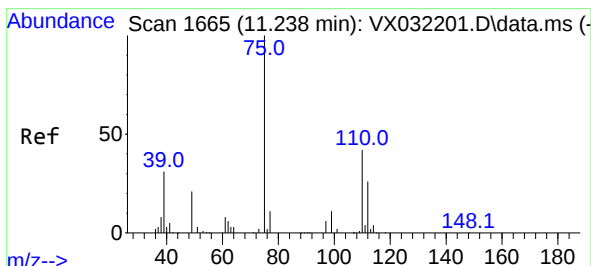
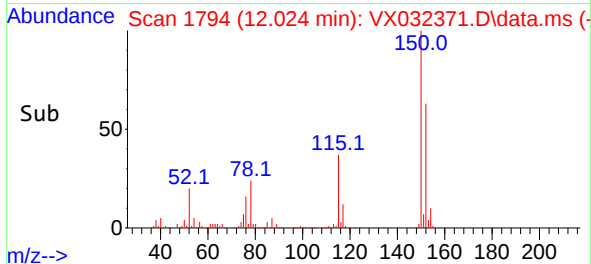
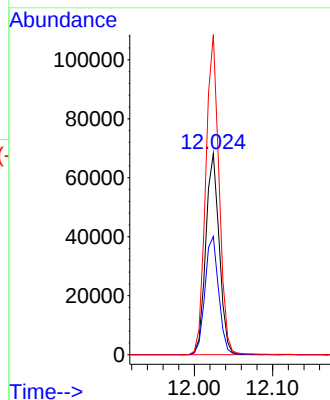
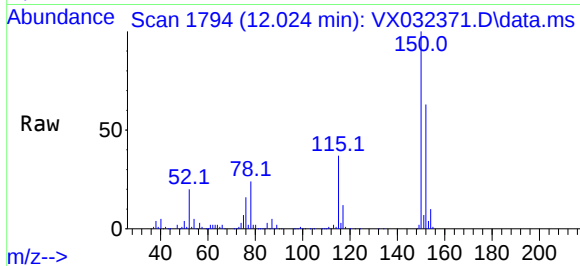




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

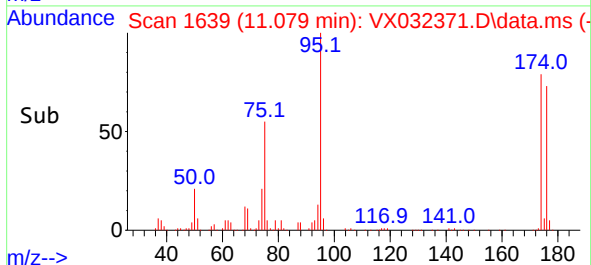
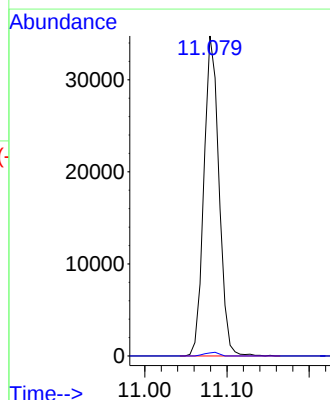
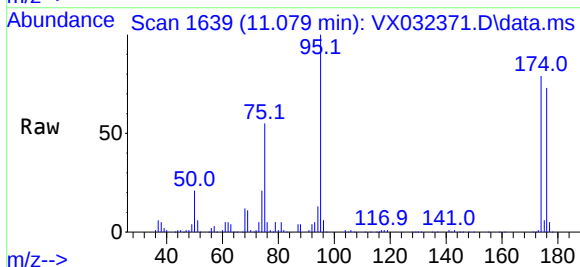
Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20221019

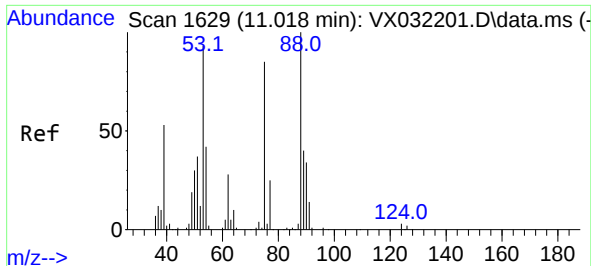
Tgt Ion:152 Resp: 81436
Ion Ratio Lower Upper
152 100
115 59.7 43.1 129.4
150 157.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 27.452 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

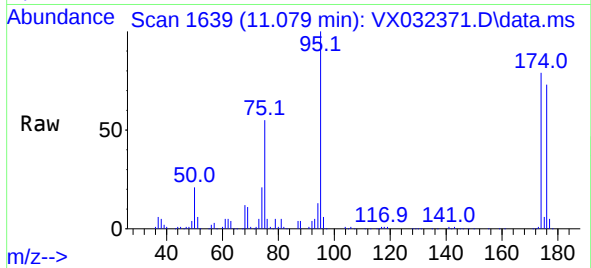
Tgt Ion: 75 Resp: 44297
Ion Ratio Lower Upper
75 100
77 1.0 16.0 47.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 84.245 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX032371.D
Acq: 25 Oct 2022 17:56

Instrument :
MSVOA_X
ClientSampleId :
FSND-MW-24-20221019



Tgt Ion: 75 Resp: 44297
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#

