

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111722\
 Data File : VX032897.D
 Acq On : 17 Nov 2022 14:07
 Operator : JC/MD
 Sample : N5671-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20221115

Quant Time: Nov 18 01:40:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

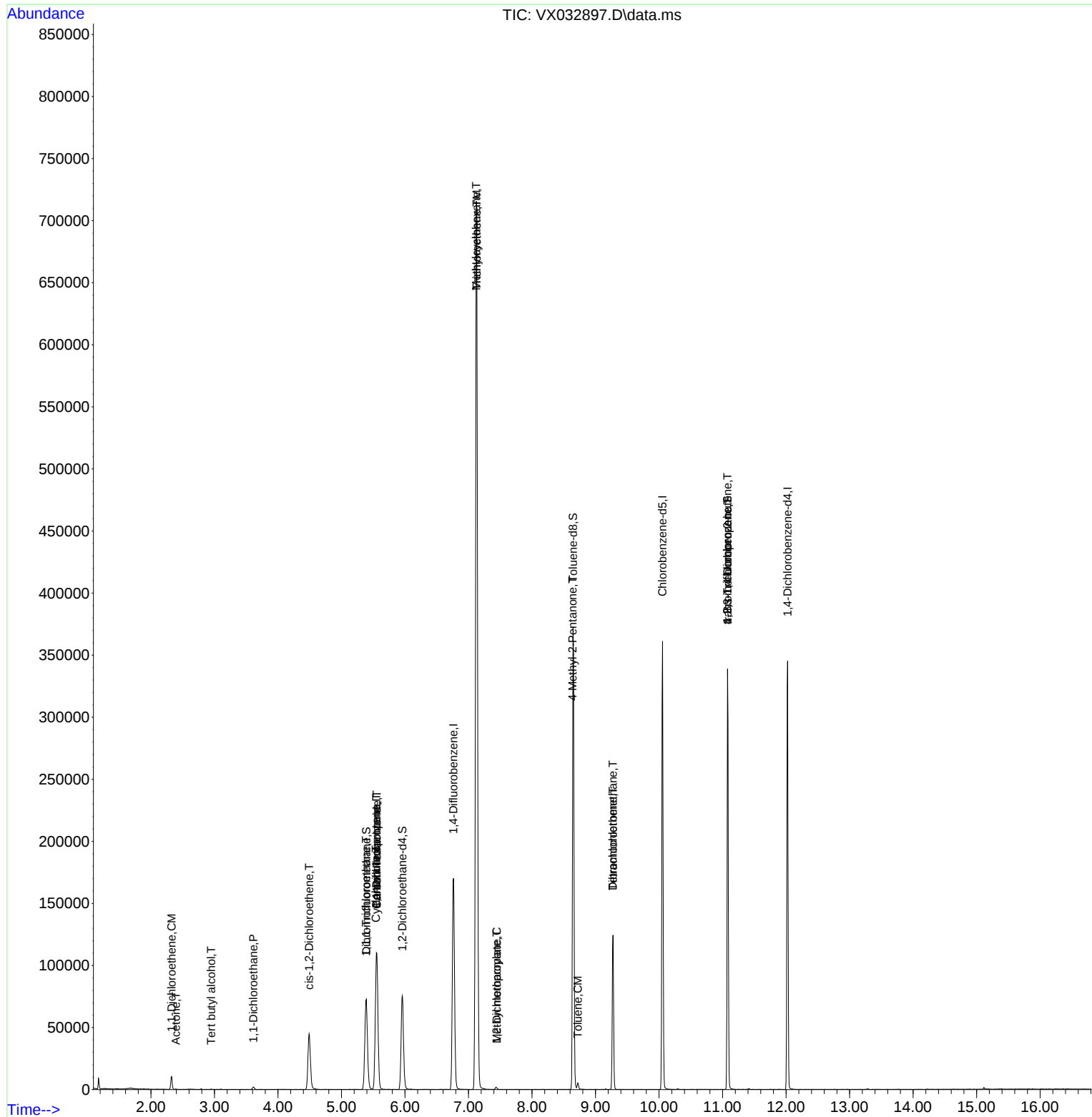
Internal Standards						
1) Pentafluorobenzene	5.550	168	107702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	175932	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76708	51.258	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.520%
35) Dibromofluoromethane	5.391	113	61027	48.629	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.260%
50) Toluene-d8	8.647	98	220064	50.430	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.860%
62) 4-Bromofluorobenzene	11.079	95	84412	49.521	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	152	0.698	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	3473	3.215	ug/l	97
16) Acetone	2.392	43	447	0.822	ug/l	95
24) 1,1-Dichloroethane	3.611	63	2359	1.101	ug/l #	93
27) cis-1,2-Dichloroethene	4.489	96	28864	21.240	ug/l	89
31) Cyclohexane	5.543	56	2223	1.225	ug/l #	16
32) 1,1,1-Trichloroethane	5.385	97	1577	0.748	ug/l #	51
36) 1,1-Dichloropropene	5.550	75	8429	4.823	ug/l #	49
38) Carbon Tetrachloride	5.556	117	11001	5.676	ug/l #	16
39) Methylcyclohexane	7.122	83	3135	1.516	ug/l #	1
44) Trichloroethene	7.129	130	274986	197.527	ug/l	99
45) 1,2-Dichloropropane	7.446	63	837	0.659	ug/l	92
48) Methyl methacrylate	7.446	41	543	0.376	ug/l #	40
51) 4-Methyl-2-Pentanone	8.640	43	961	0.546	ug/l #	1
52) Toluene	8.720	92	1810	0.561	ug/l	87
60) Dibromochloromethane	9.274	129	21269	14.331	ug/l #	11
64) Tetrachloroethene	9.274	164	22923	19.870	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	45771	28.702	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	45771	91.331	ug/l #	6

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

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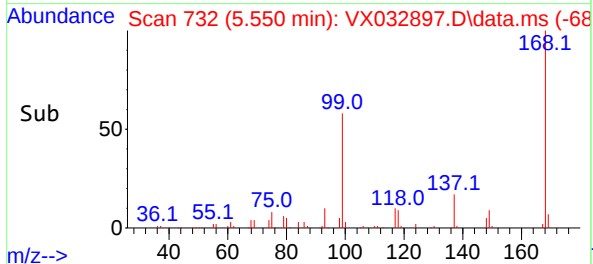
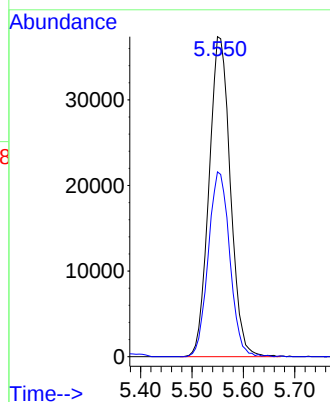
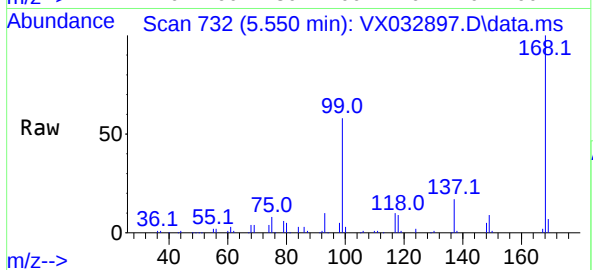




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

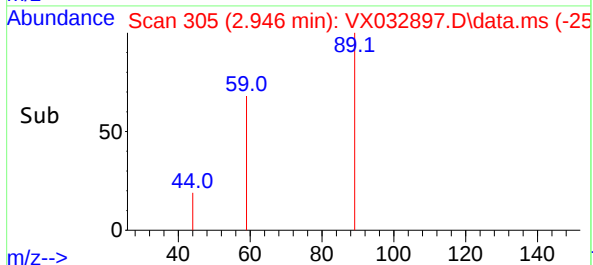
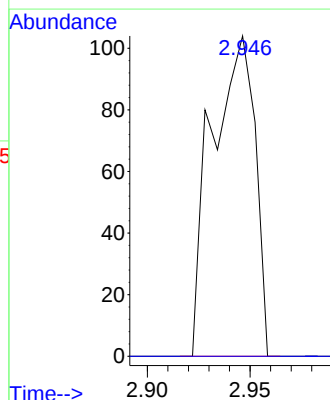
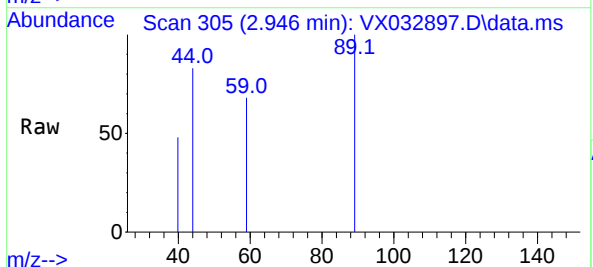
Instrument :
MSVOA_X
ClientSampleId :
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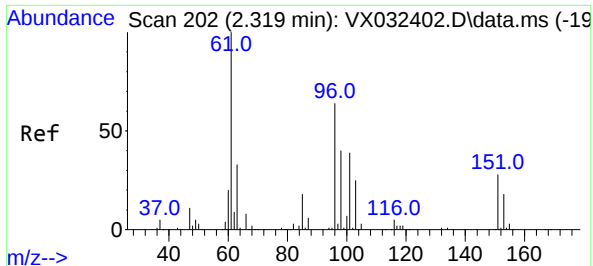
Tgt Ion:168 Resp: 107702
Ion Ratio Lower Upper
168 100
99 57.8 46.1 69.1



#11
Tert butyl alcohol
Concen: 0.698 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

Tgt Ion: 59 Resp: 152
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 3.215 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX032897.D

Acq: 17 Nov 2022 14:07

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20221115

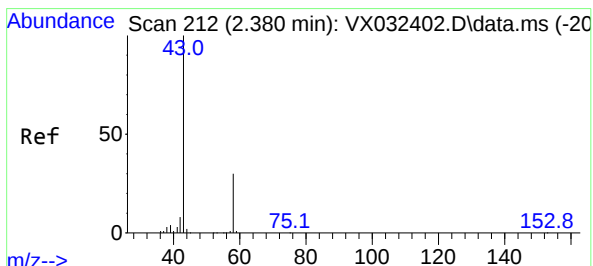
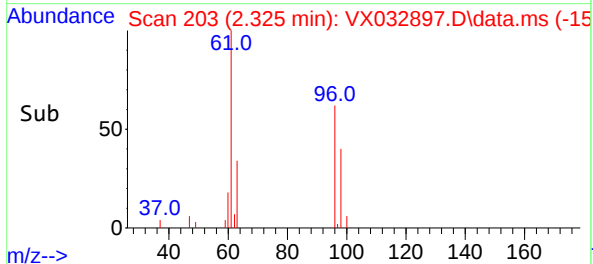
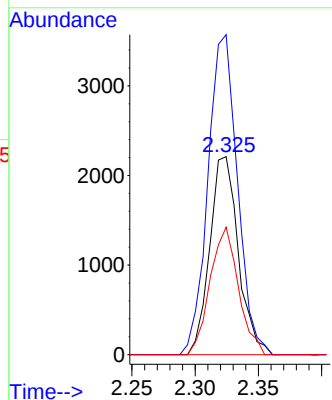
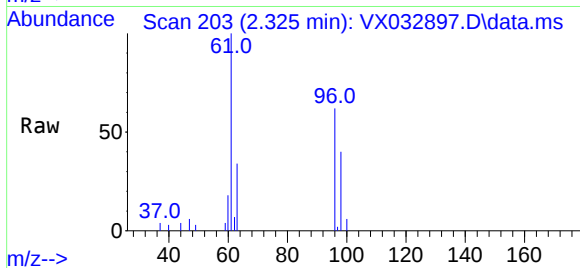
Tgt Ion: 96 Resp: 3473

Ion Ratio Lower Upper

96 100

61 161.5 125.1 187.7

98 64.4 50.6 76.0



#16

Acetone

Concen: 0.822 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX032897.D

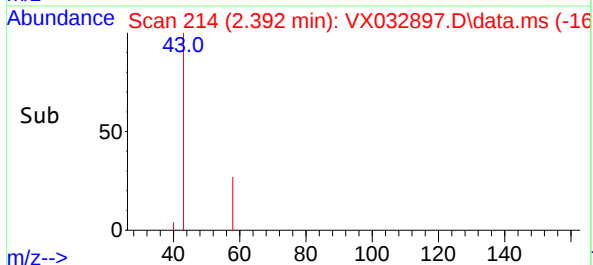
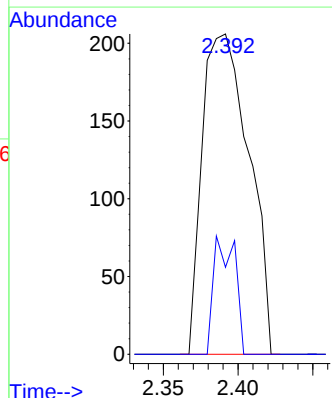
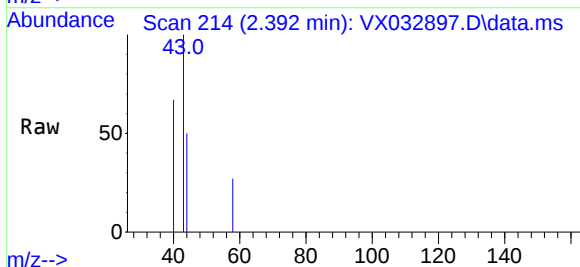
Acq: 17 Nov 2022 14:07

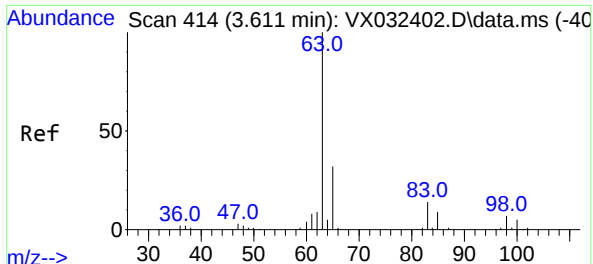
Tgt Ion: 43 Resp: 447

Ion Ratio Lower Upper

43 100

58 27.2 23.8 35.8

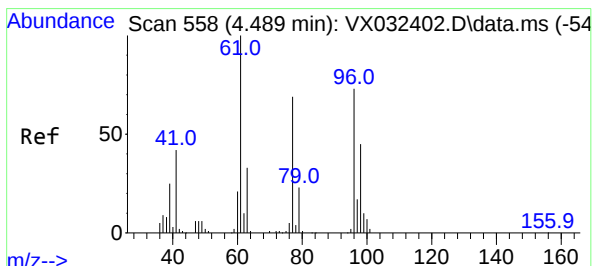
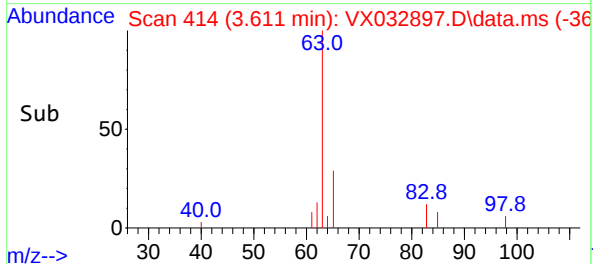
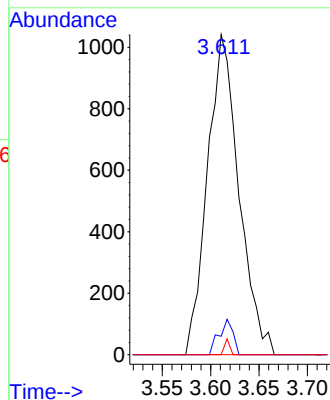
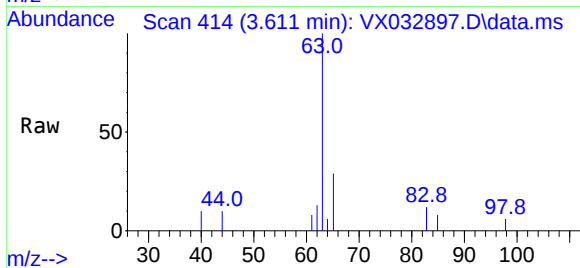




#24
1,1-Dichloroethane
Concen: 1.101 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

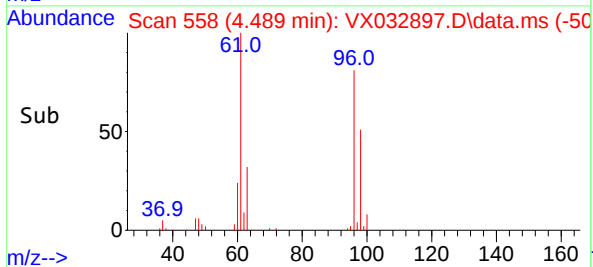
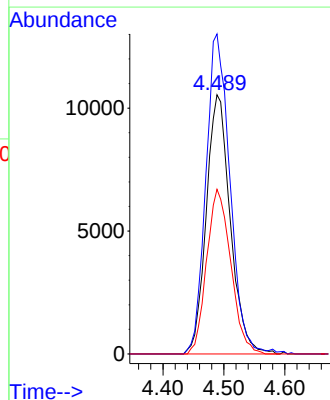
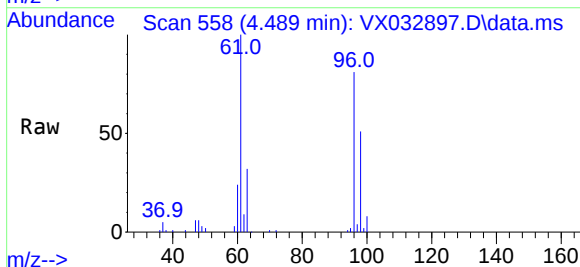
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115

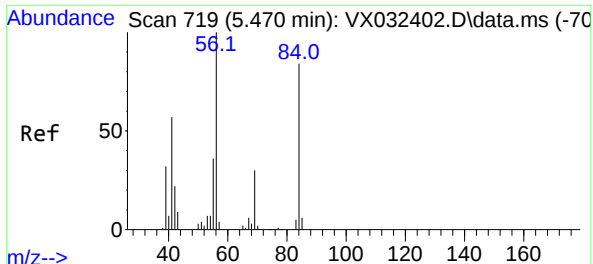
Tgt Ion:	63	Resp:	2359
Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.5	10.4
100	0.0	2.3	6.8



#27
cis-1,2-Dichloroethene
Concen: 21.240 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

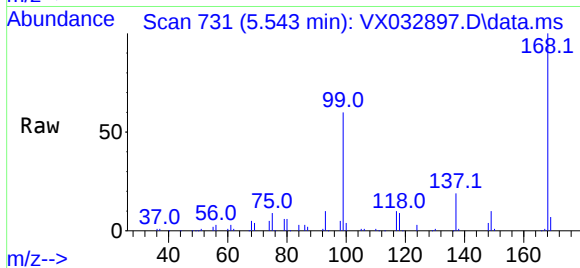
Tgt Ion:	96	Resp:	28864
Ion	Ratio	Lower	Upper
96	100		
61	124.0	0.0	286.0
98	63.8	0.0	129.6



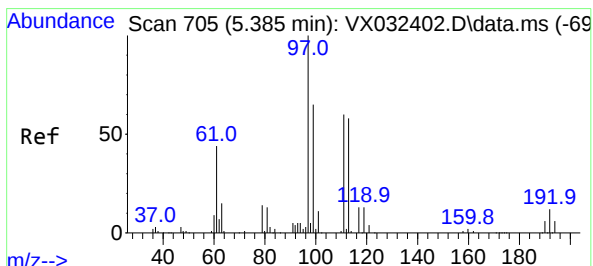
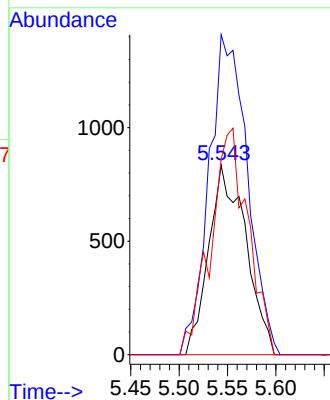
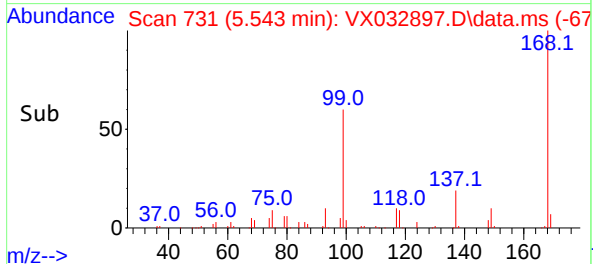


#31
Cyclohexane
Concen: 1.225 ug/l
RT: 5.543 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

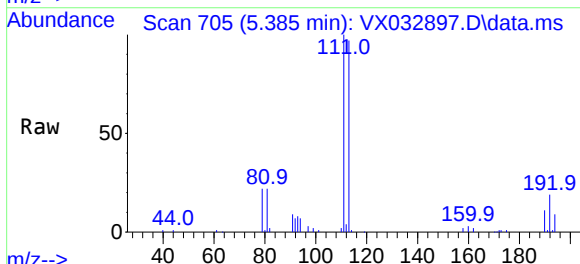
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115



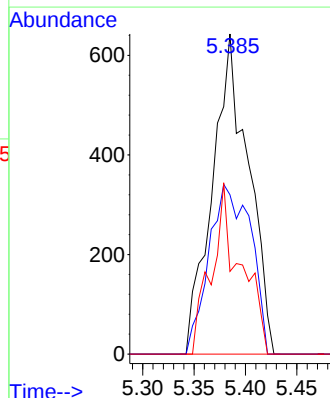
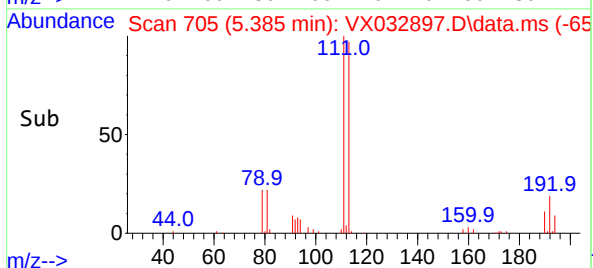
Tgt Ion: 56 Resp: 2223
Ion Ratio Lower Upper
56 100
69 168.9 24.1 36.1#
84 103.1 66.9 100.3#

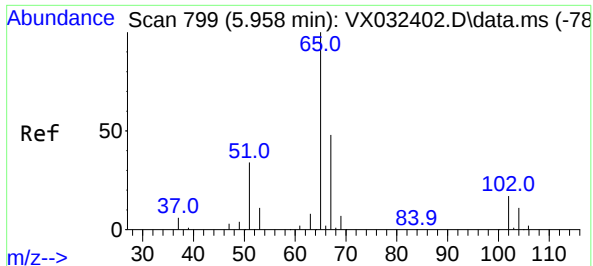


#32
1,1,1-Trichloroethane
Concen: 0.748 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07



Tgt Ion: 97 Resp: 1577
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 43.4 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 51.258 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX032897.D

Acq: 17 Nov 2022 14:07

Instrument :

MSVOA_X

ClientSampleId :

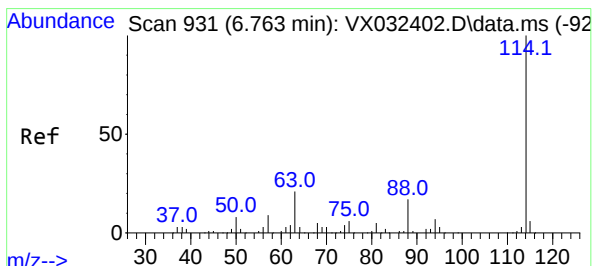
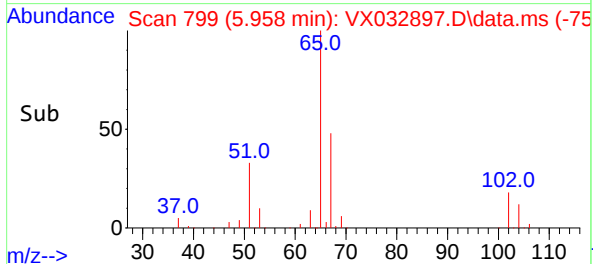
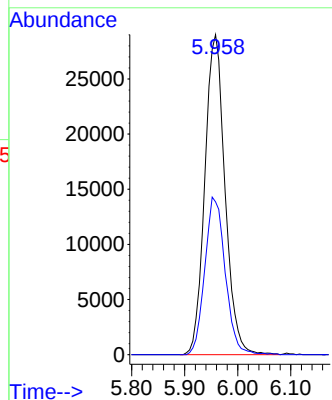
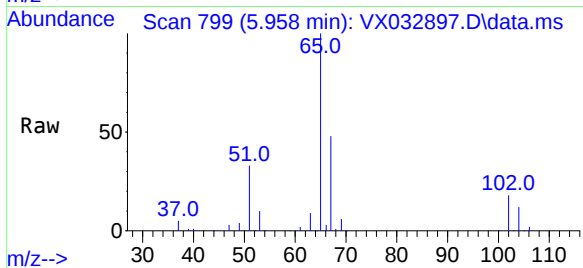
MW179D2-20221115

Tgt Ion: 65 Resp: 76708

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032897.D

Acq: 17 Nov 2022 14:07

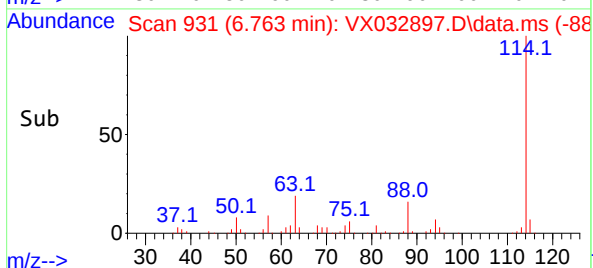
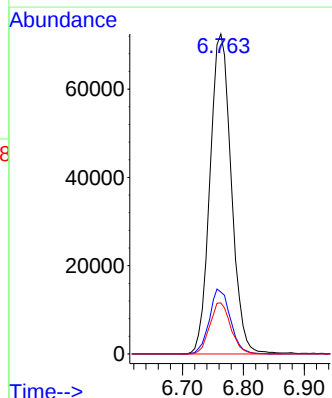
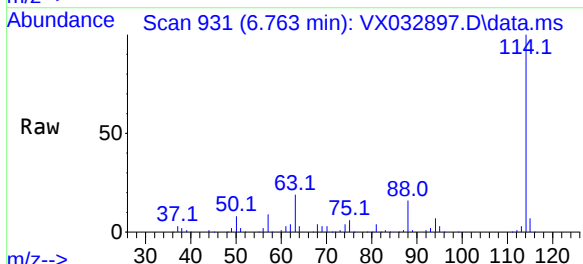
Tgt Ion: 114 Resp: 175932

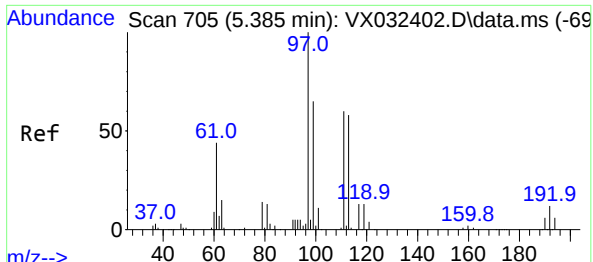
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.6

88 16.0 0.0 33.4

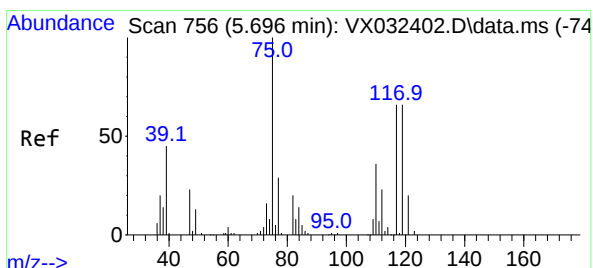
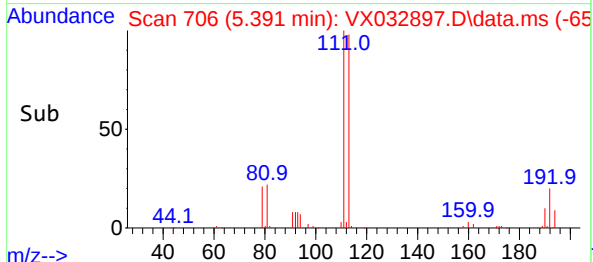
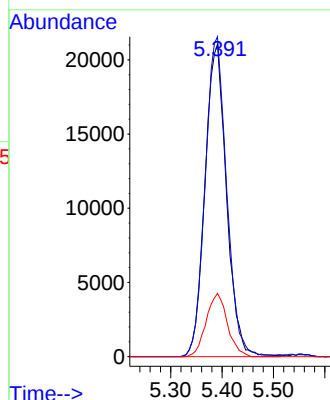
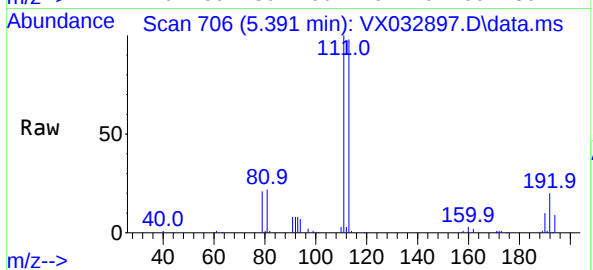




#35
Dibromofluoromethane
Concen: 48.629 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

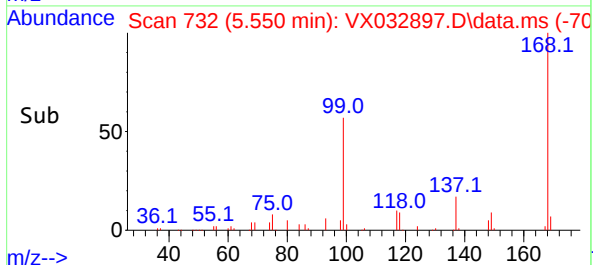
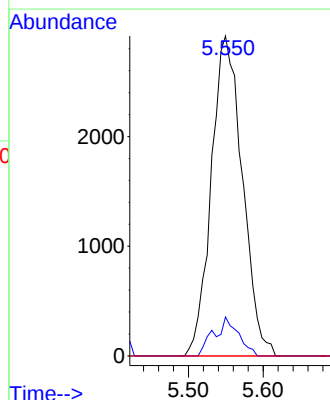
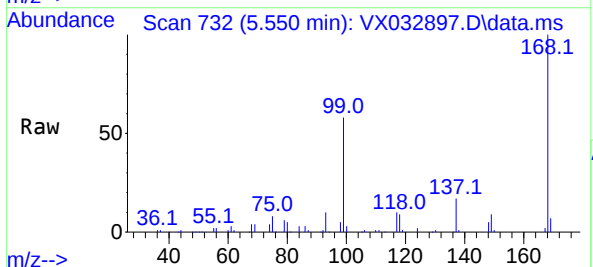
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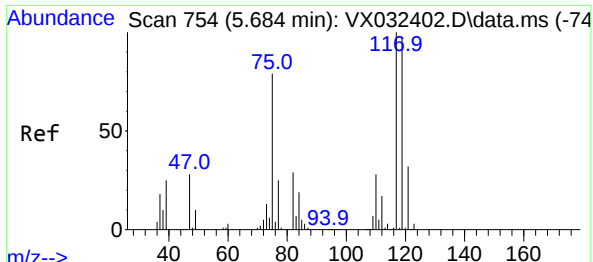
Tgt Ion:113 Resp: 61027
Ion Ratio Lower Upper
113 100
111 102.4 82.4 123.6
192 20.0 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.823 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.147 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

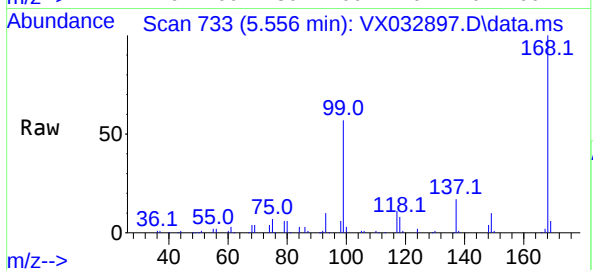
Tgt Ion: 75 Resp: 8429
Ion Ratio Lower Upper
75 100
110 9.5 18.4 55.2#
77 0.0 24.5 36.7#



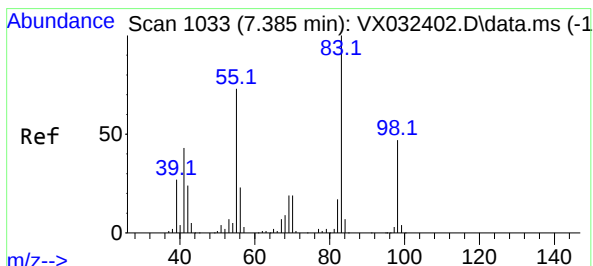
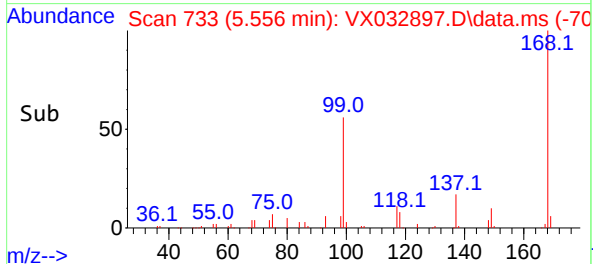
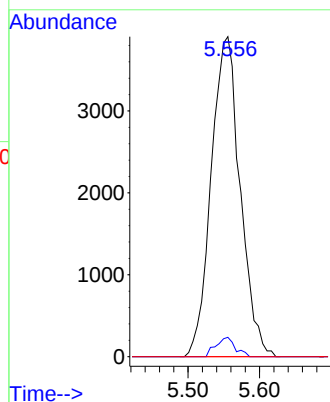


#38
Carbon Tetrachloride
Concen: 5.676 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

Instrument :
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ClientSampleId :
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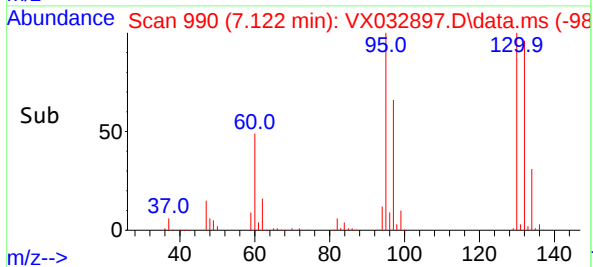
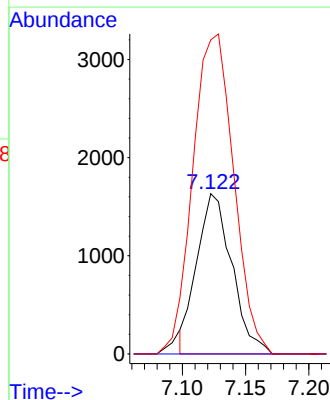
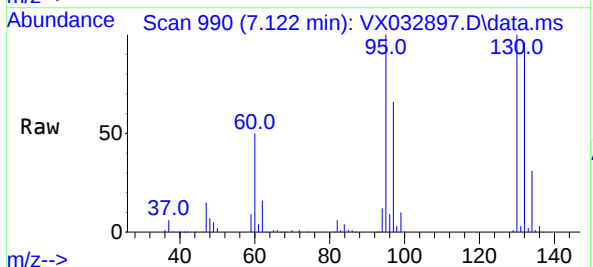


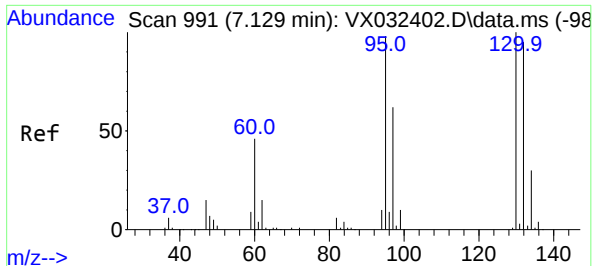
Tgt Ion:117 Resp: 11001
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 1.516 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

Tgt Ion: 83 Resp: 3135
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 196.0 37.2 55.8#

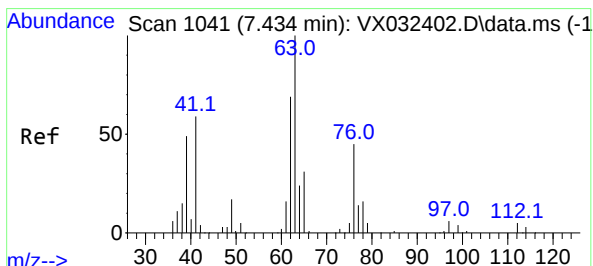
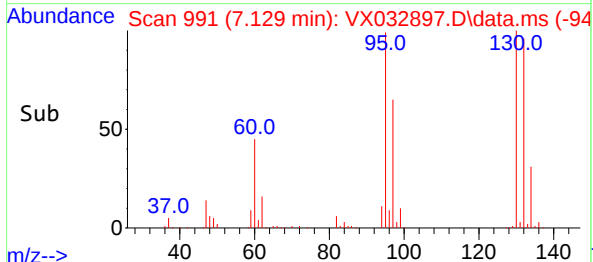
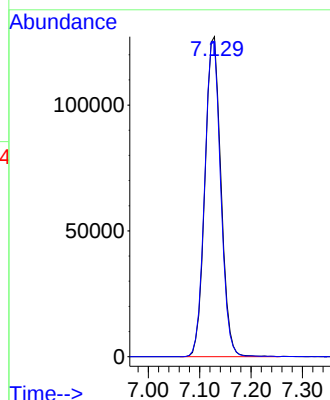
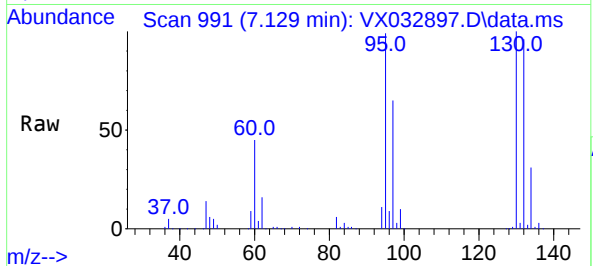




#44
Trichloroethene
Concen: 197.527 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

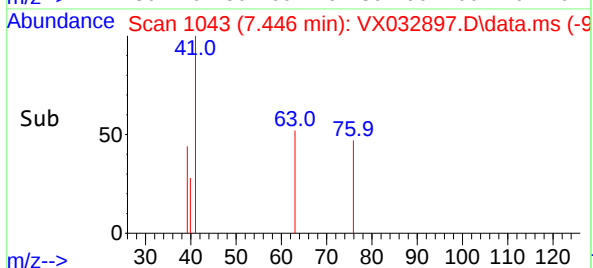
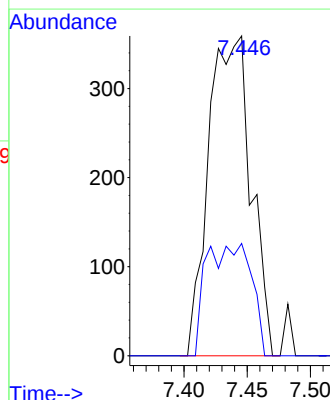
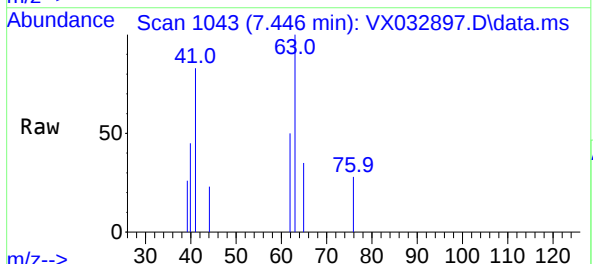
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115

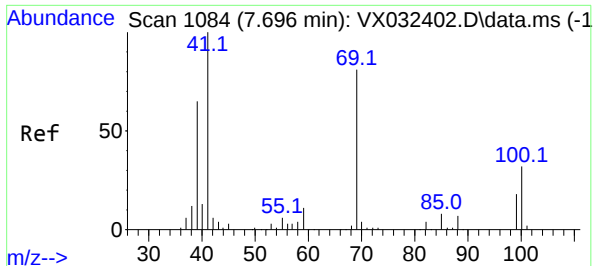
Tgt Ion:130 Resp: 274986
Ion Ratio Lower Upper
130 100
95 98.6 0.0 195.2



#45
1,2-Dichloropropane
Concen: 0.659 ug/l
RT: 7.446 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

Tgt Ion: 63 Resp: 837
Ion Ratio Lower Upper
63 100
65 35.1 24.6 36.8





#48

Methyl methacrylate

Concen: 0.376 ug/l

RT: 7.446 min Scan# 1

Delta R.T. -0.250 min

Lab File: VX032897.D

Acq: 17 Nov 2022 14:07

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20221115

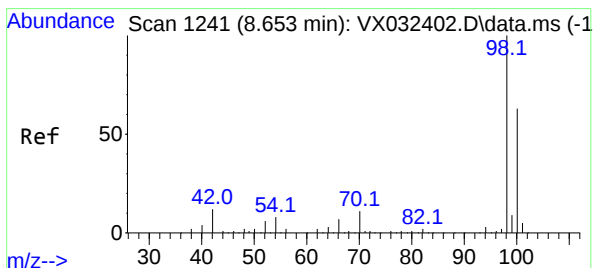
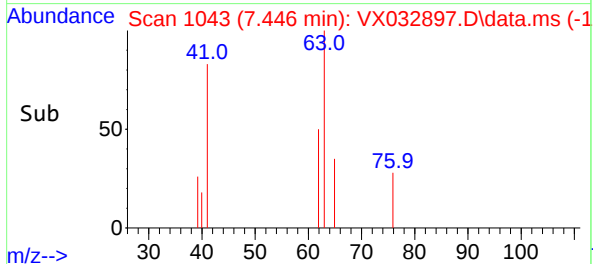
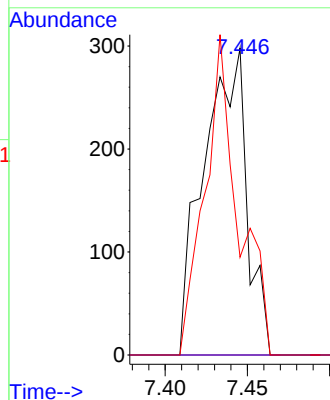
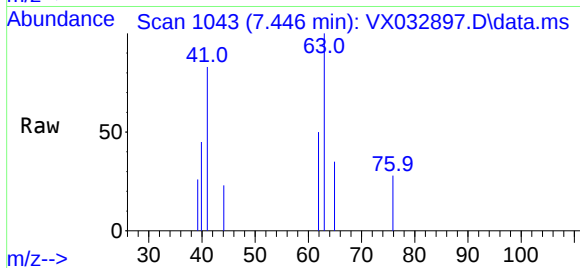
Tgt Ion: 41 Resp: 543

Ion Ratio Lower Upper

41 100

69 0.0 65.1 97.7#

39 81.0 51.9 77.9#



#50

Toluene-d8

Concen: 50.430 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032897.D

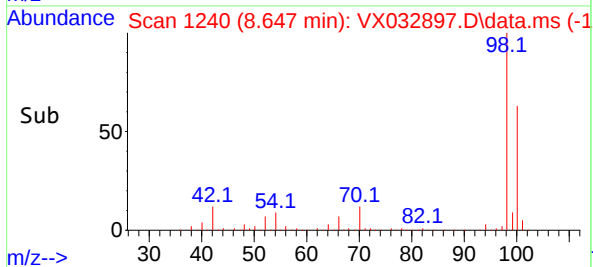
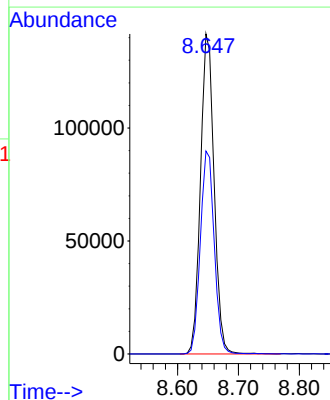
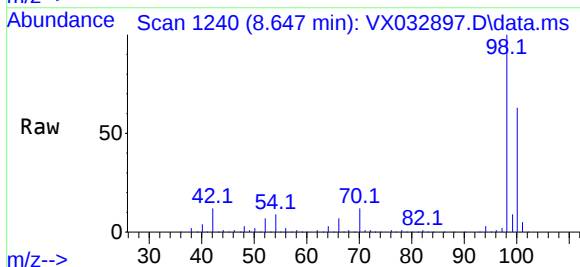
Acq: 17 Nov 2022 14:07

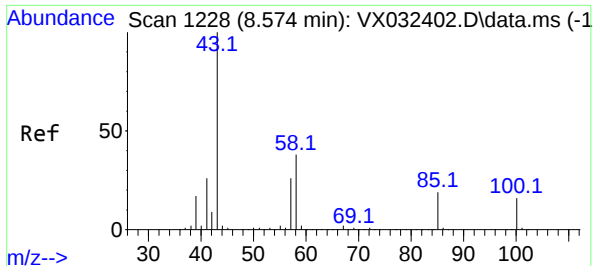
Tgt Ion: 98 Resp: 220064

Ion Ratio Lower Upper

98 100

100 64.7 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.546 ug/l

RT: 8.640 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX032897.D

Acq: 17 Nov 2022 14:07

Instrument :

MSVOA_X

ClientSampleId :

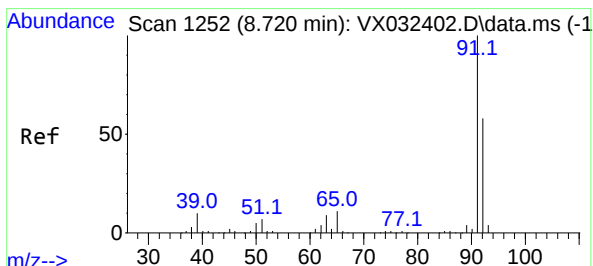
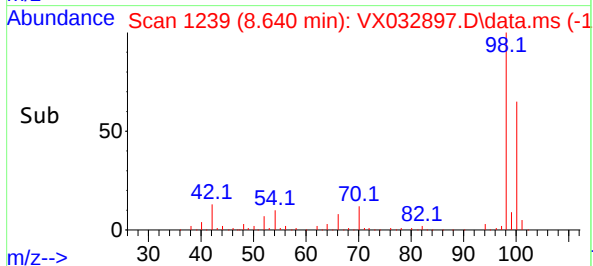
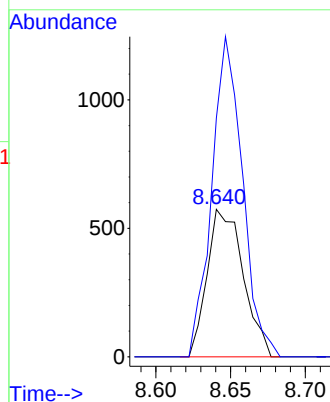
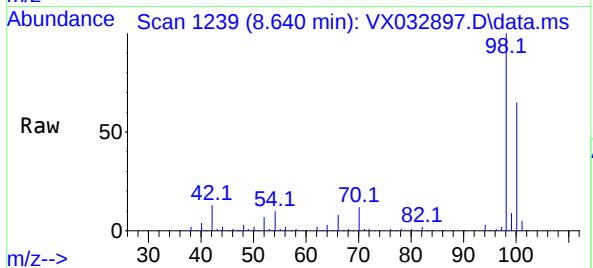
MW179D2-20221115

Tgt Ion: 43 Resp: 961

Ion Ratio Lower Upper

43 100

58 185.2 30.9 46.3#



#52

Toluene

Concen: 0.561 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX032897.D

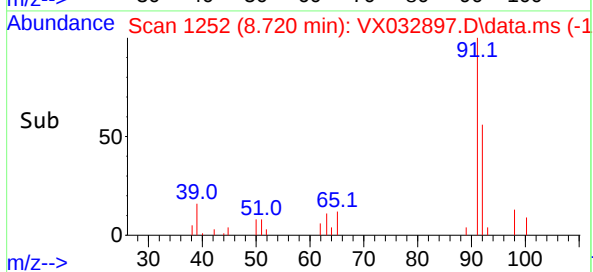
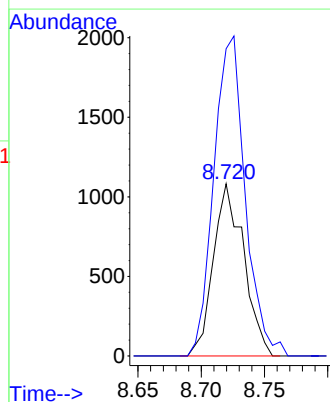
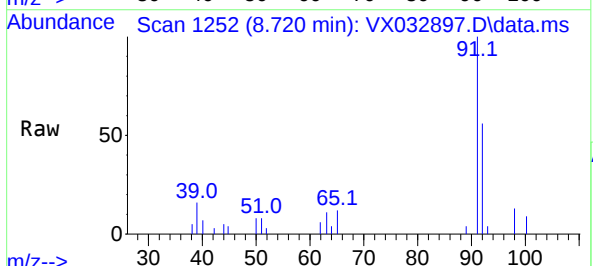
Acq: 17 Nov 2022 14:07

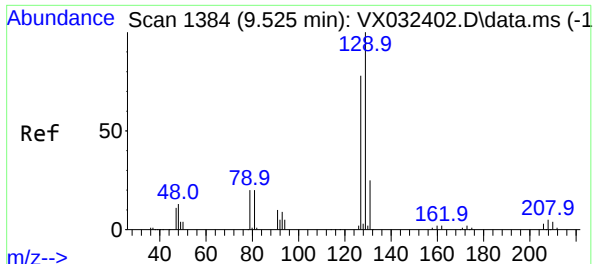
Tgt Ion: 92 Resp: 1810

Ion Ratio Lower Upper

92 100

91 191.5 138.3 207.5

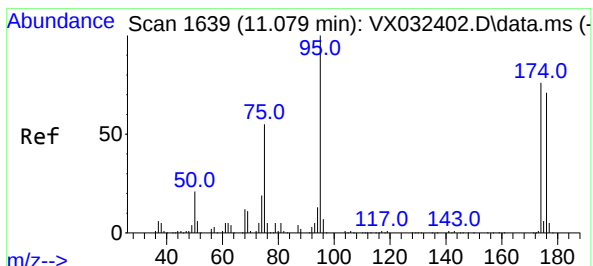
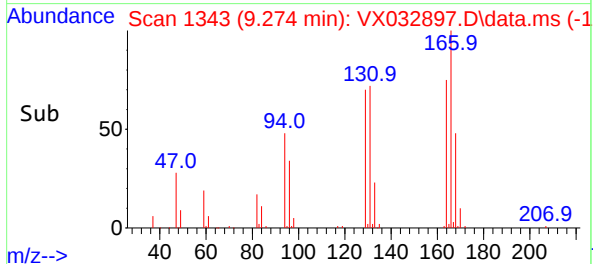
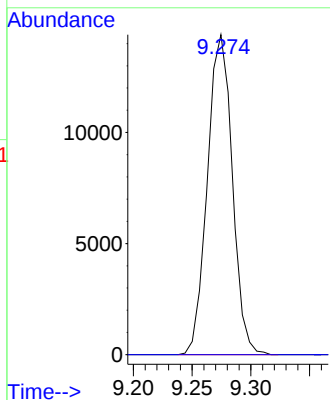
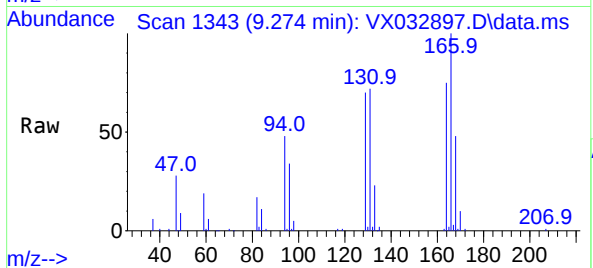




#60
Dibromochloromethane
Concen: 14.331 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

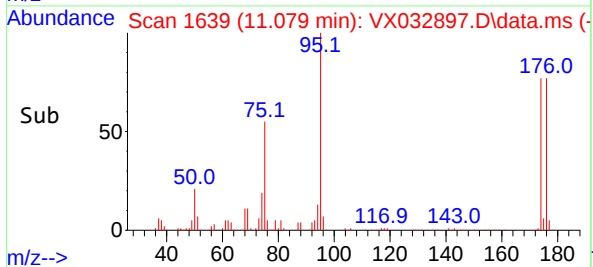
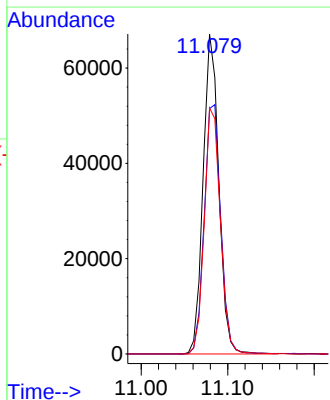
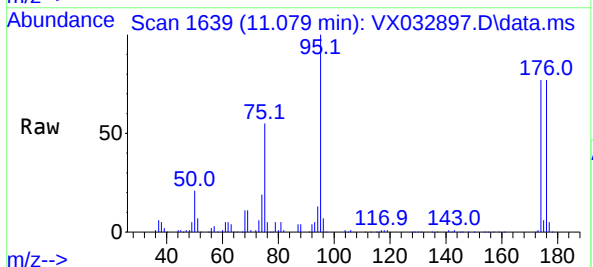
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115

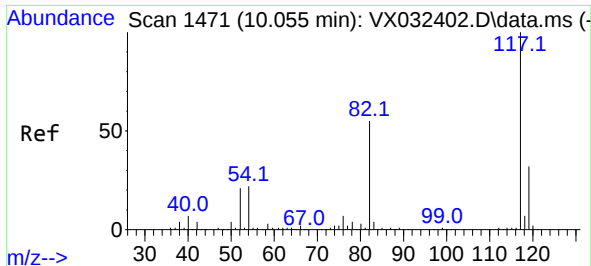
Tgt Ion:129 Resp: 21269
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 49.521 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

Tgt Ion: 95 Resp: 84412
Ion Ratio Lower Upper
95 100
174 82.3 0.0 164.0
176 79.1 0.0 154.4

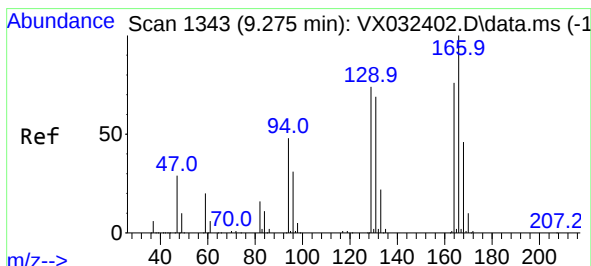
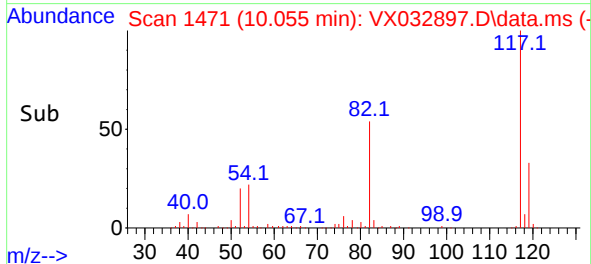
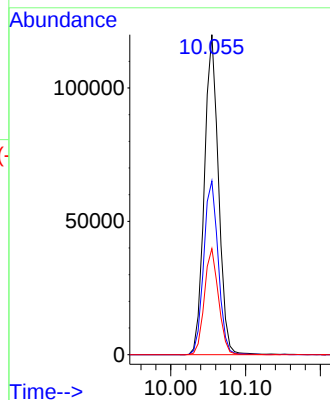
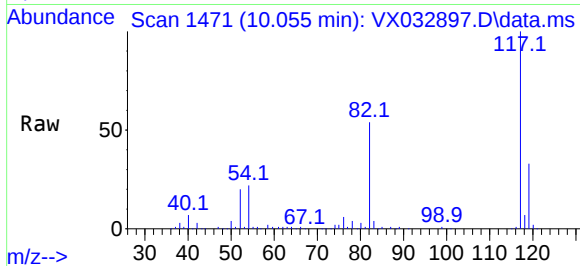




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

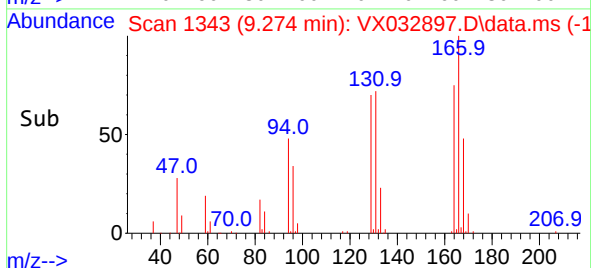
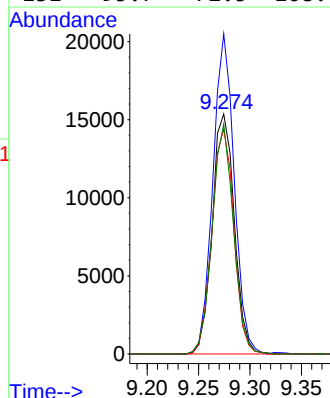
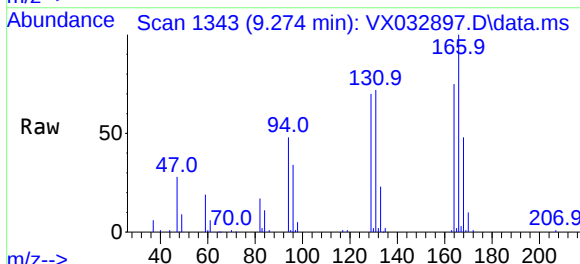
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115

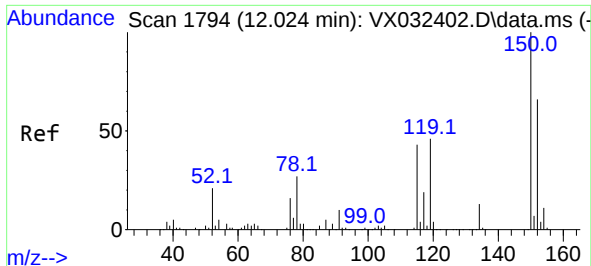
Tgt Ion:117 Resp: 157615
Ion Ratio Lower Upper
117 100
82 54.3 44.3 66.5
119 33.1 25.7 38.5



#64
Tetrachloroethene
Concen: 19.870 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

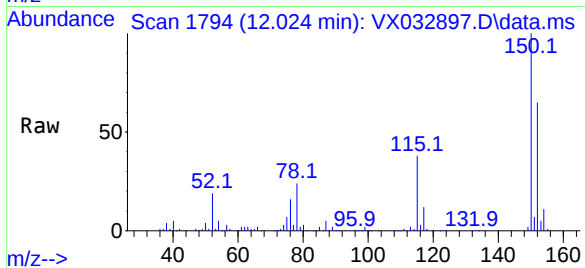
Tgt Ion:164 Resp: 22923
Ion Ratio Lower Upper
164 100
166 133.3 105.4 158.2
129 93.7 78.2 117.2
131 95.7 72.5 108.7



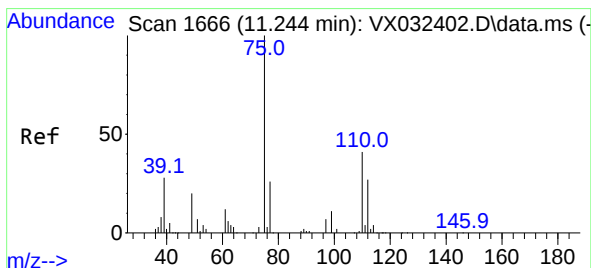
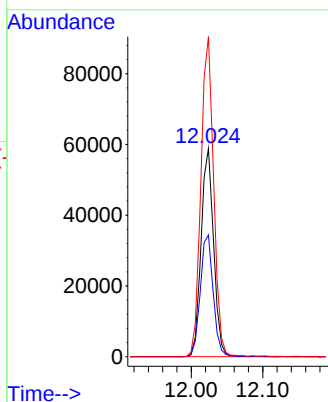
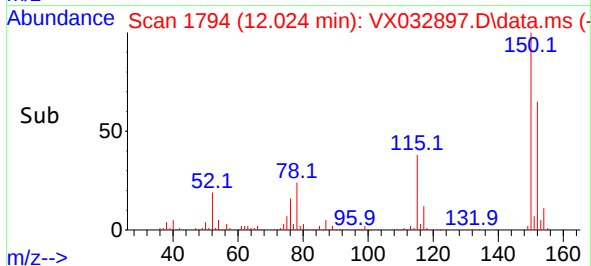


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20221115

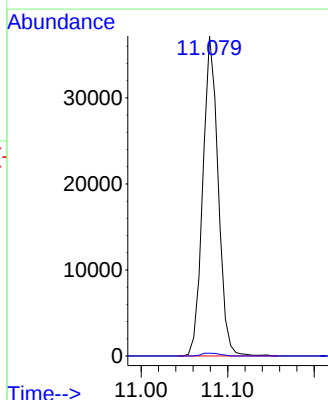
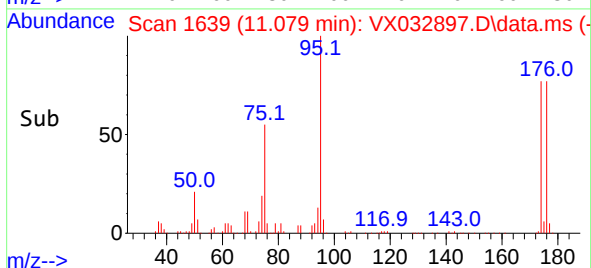
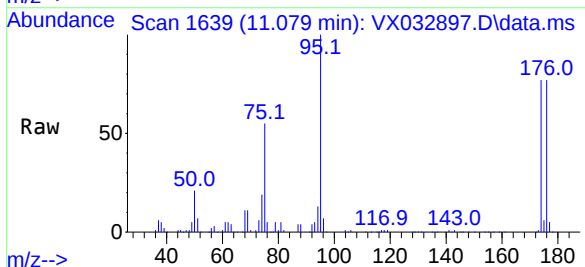


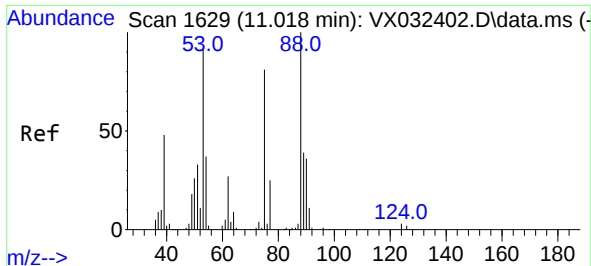
Tgt Ion:152 Resp: 71679
Ion Ratio Lower Upper
152 100
115 60.1 44.0 132.0
150 156.3 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 28.702 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032897.D
Acq: 17 Nov 2022 14:07

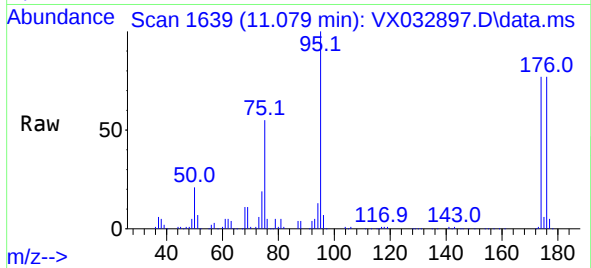
Tgt Ion: 75 Resp: 45771
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.331 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032897.D
 Acq: 17 Nov 2022 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20221115



Tgt Ion: 75 Resp: 45771
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

