

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112522\
 Data File : VX033062.D
 Acq On : 25 Nov 2022 12:59
 Operator : JC/MD
 Sample : N5741-12DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-31DL

Quant Time: Nov 28 00:46:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

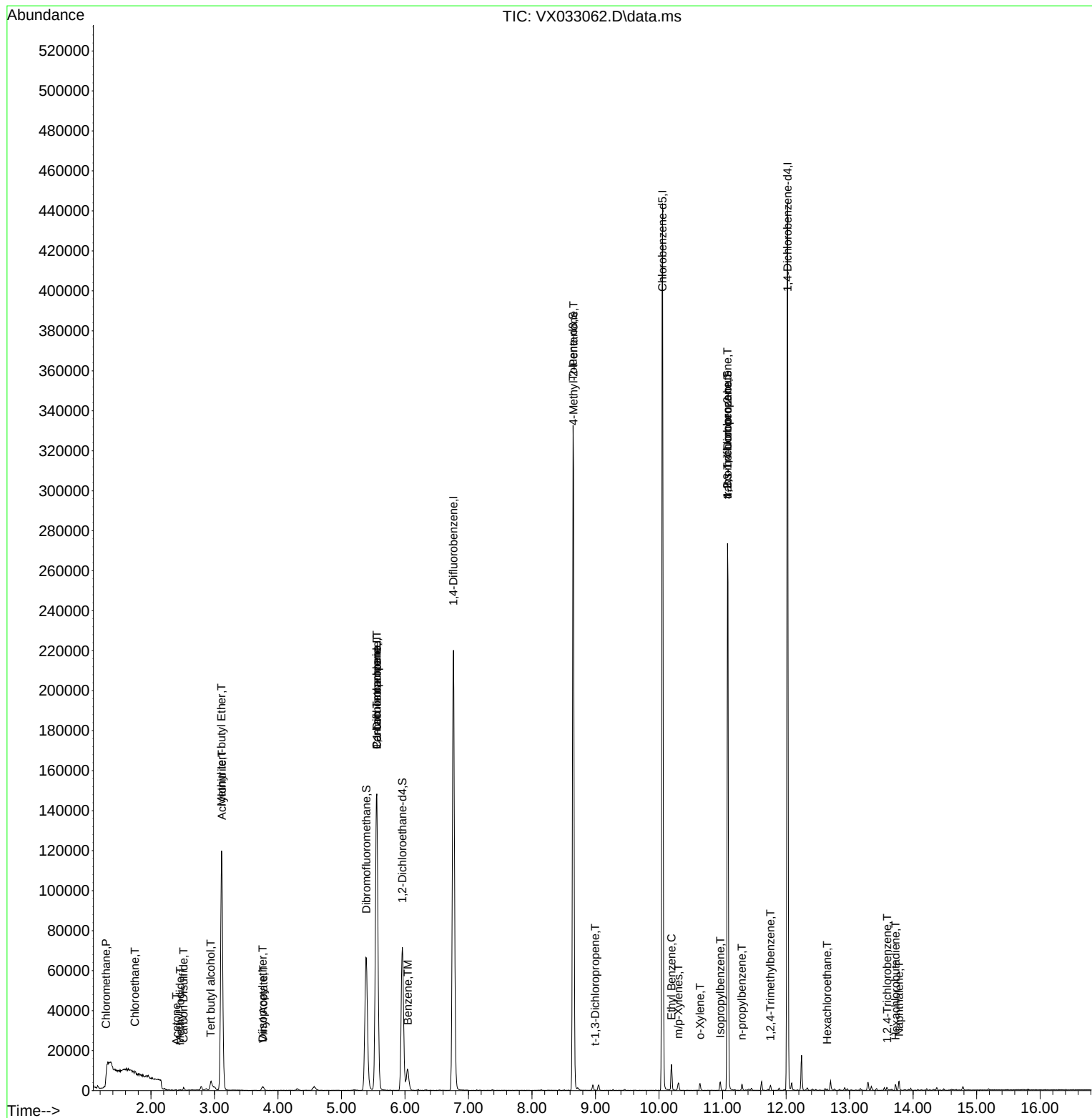
Internal Standards						
1) Pentafluorobenzene	5.556	168	139753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72907	53.615	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.220%	
35) Dibromofluoromethane	5.391	113	57712	45.632	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.260%	
50) Toluene-d8	8.647	98	194941	51.284	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	11.079	95	71279	42.904	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	327	0.284	ug/l #	43
6) Chloroethane	1.745	64	1029	0.985	ug/l #	42
10) Methyl Iodide	2.459	142	315	0.210	ug/l #	70
11) Tert butyl alcohol	2.940	59	5747	26.638	ug/l #	72
15) Acrylonitrile	3.117	53	1680	2.753	ug/l #	16
16) Acetone	2.398	43	324	0.510	ug/l #	45
17) Carbon Disulfide	2.514	76	1610	0.478	ug/l #	94
19) Methyl tert-butyl Ether	3.111	73	131117	31.000	ug/l	100
20) Methylene Chloride	2.800	84	826	Below Cal	#	75
22) Diisopropyl ether	3.757	45	1951	0.455	ug/l	92
23) Vinyl Acetate	3.769	43	1278	0.381	ug/l #	72
36) 1,1-Dichloropropene	5.556	75	11231	5.554	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14692	6.549	ug/l #	16
40) Benzene	6.043	78	12678	2.236	ug/l	99
51) 4-Methyl-2-Pentanone	8.653	43	879	0.488	ug/l #	1
53) t-1,3-Dichloropropene	8.994	75	29	1.530	ug/l #	43
67) Ethyl Benzene	10.195	91	7774	1.112	ug/l	95
68) m/p-Xylenes	10.305	106	995	0.363	ug/l	99
69) o-Xylene	10.646	106	876	0.331	ug/l	92
73) Isopropylbenzene	10.963	105	2341	0.356	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	38335	22.011	ug/l #	37
78) n-propylbenzene	11.305	91	2236	0.298	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	38335	71.547	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	1277	0.232	ug/l	95
90) Hexachloroethane	12.646	117	300	0.328	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.591	180	374	0.206	ug/l	93
94) Hexachlorobutadiene	13.725	225	479	0.597	ug/l	91
95) Naphthalene	13.780	128	3379	0.575	ug/l	98

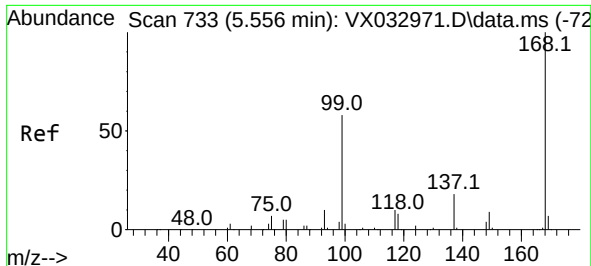
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112522\
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Sample : N5741-12DL 5X
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Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 2022
Response via : Initial Calibration

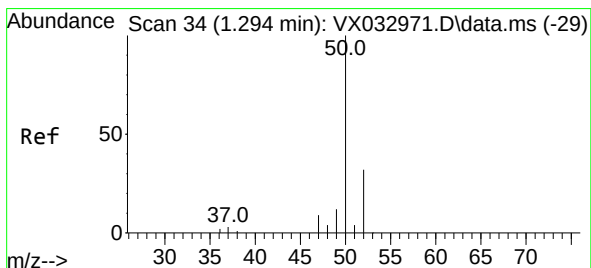
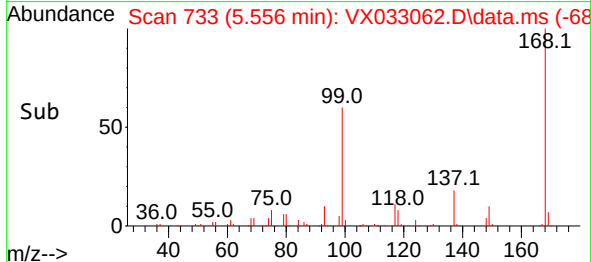
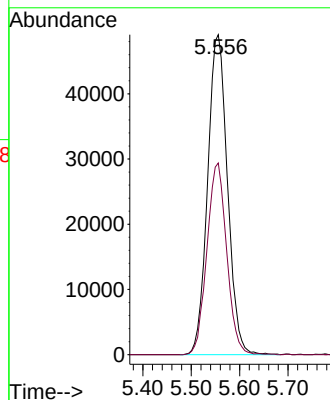
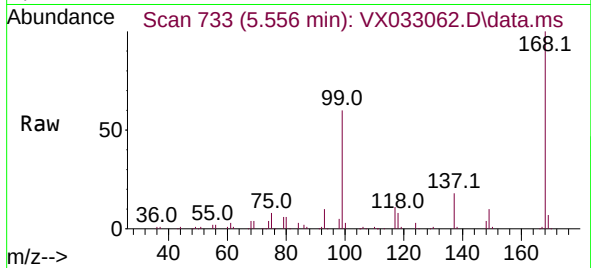




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

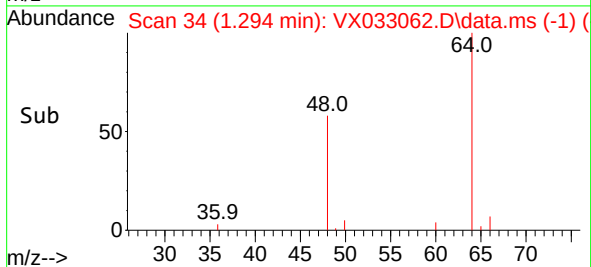
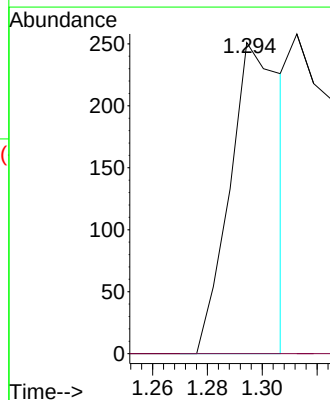
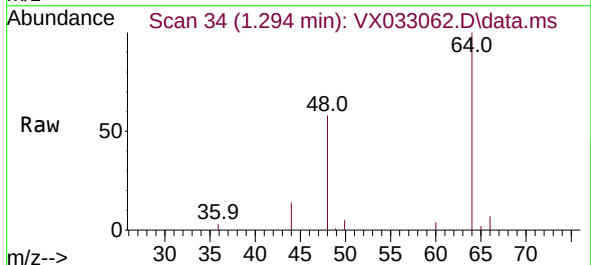
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

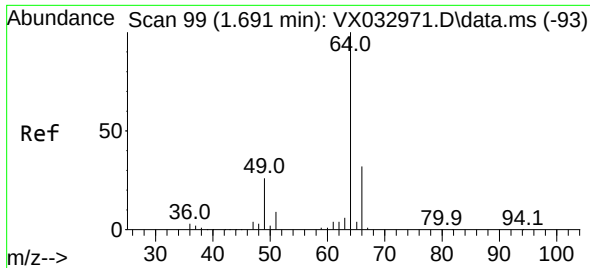
Tgt Ion:168 Resp: 139753
Ion Ratio Lower Upper
168 100
99 59.9 46.1 69.1



#3
Chloromethane
Concen: 0.284 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Tgt Ion: 50 Resp: 327
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

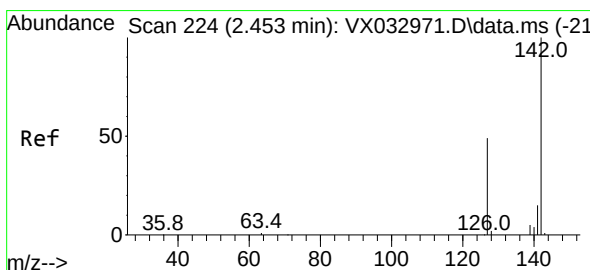
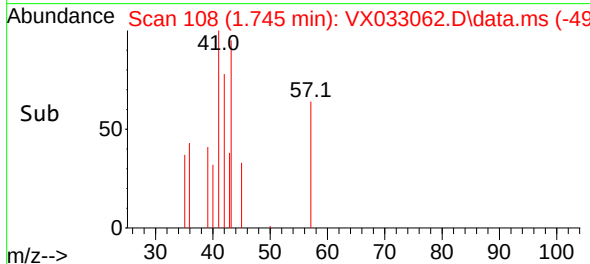
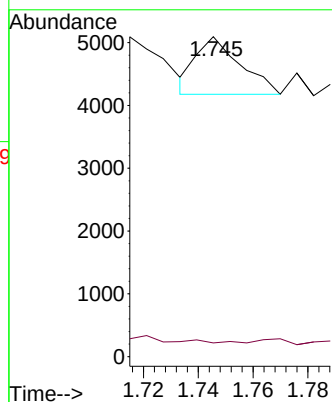
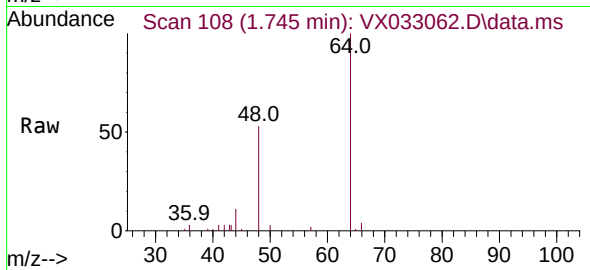




#6
Chloroethane
Concen: 0.985 ug/l
RT: 1.745 min Scan# 108
Delta R.T. 0.060 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

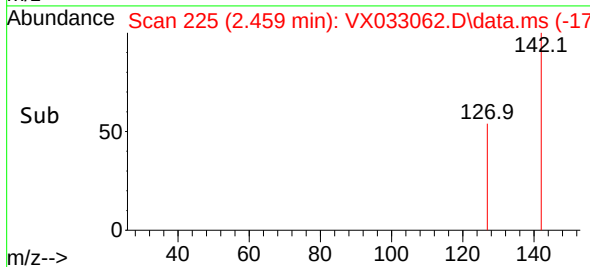
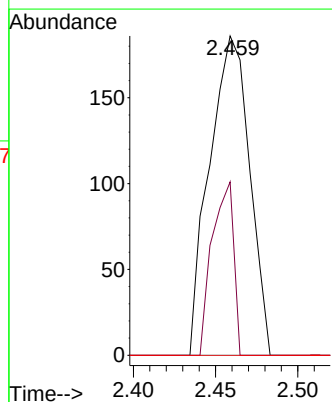
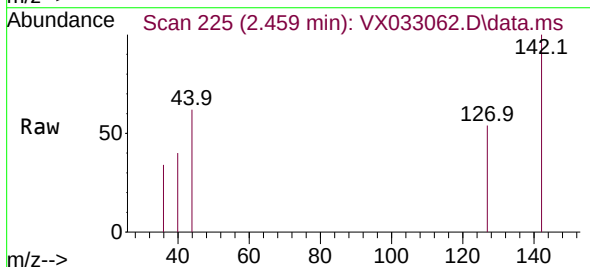
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

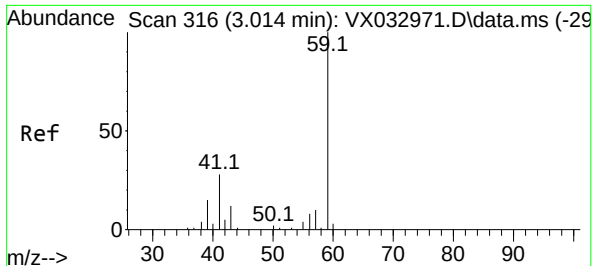
Tgt Ion: 64 Resp: 1029
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#



#10
Methyl Iodide
Concen: 0.210 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Tgt Ion: 142 Resp: 315
Ion Ratio Lower Upper
142 100
127 29.2 38.6 57.8#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 26.638 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.025 min

Lab File: VX033062.D

Acq: 25 Nov 2022 12:59

Instrument :

MSVOA_X

ClientSampleId :

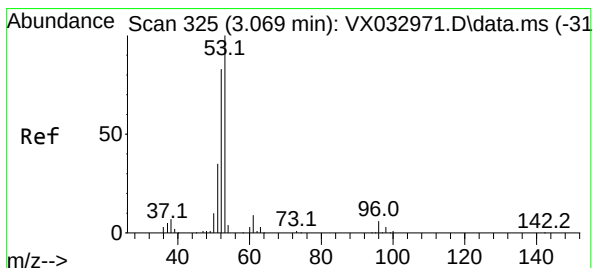
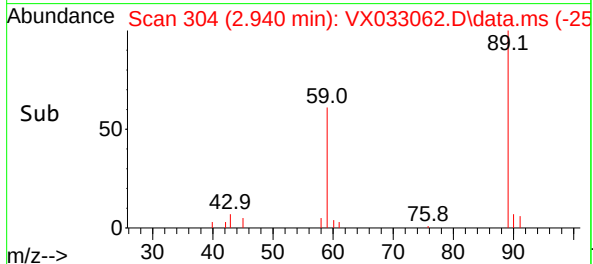
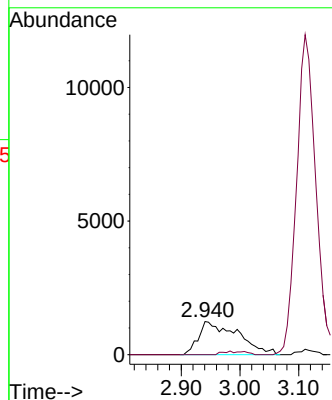
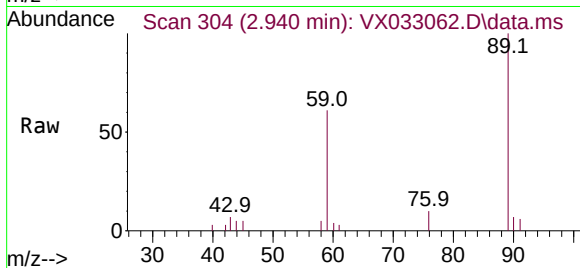
MW-31DL

Tgt Ion: 59 Resp: 5747

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#15

Acrylonitrile

Concen: 2.753 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.055 min

Lab File: VX033062.D

Acq: 25 Nov 2022 12:59

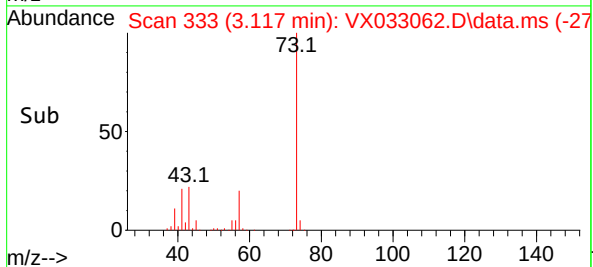
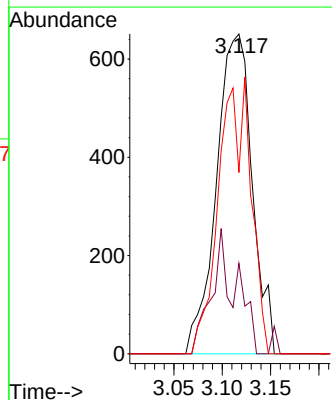
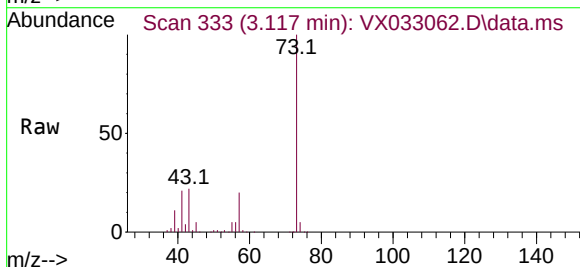
Tgt Ion: 53 Resp: 1680

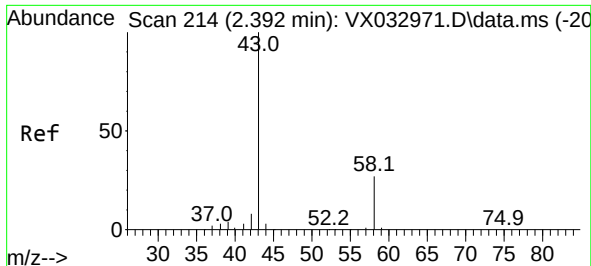
Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 77.1 30.3 45.5#





#16

Acetone

Concen: 0.510 ug/l

RT: 2.398 min Scan# 214

Delta R.T. 0.018 min

Lab File: VX033062.D

Acq: 25 Nov 2022 12:59

Instrument :

MSVOA_X

ClientSampleId :

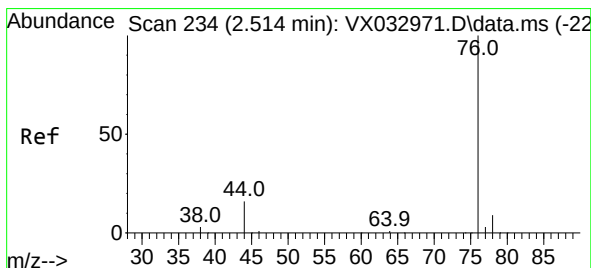
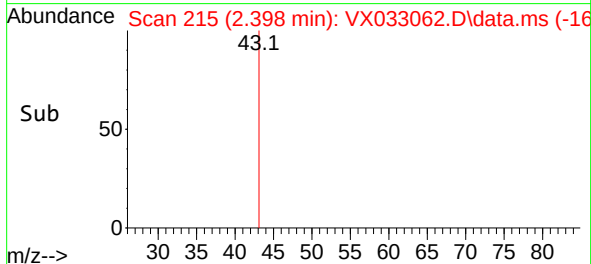
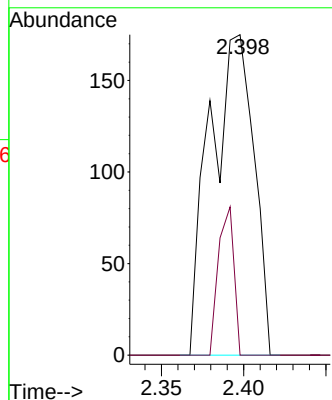
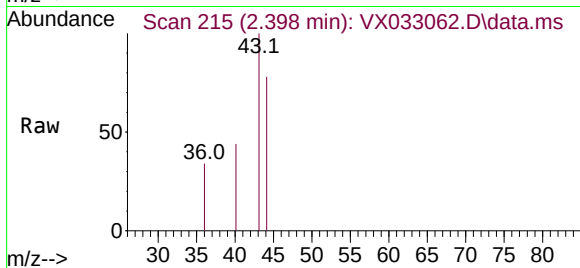
MW-31DL

Tgt Ion: 43 Resp: 324

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#



#17

Carbon Disulfide

Concen: 0.478 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX033062.D

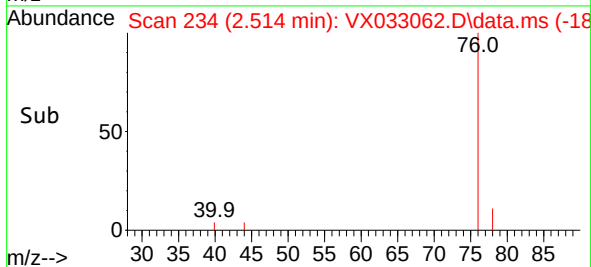
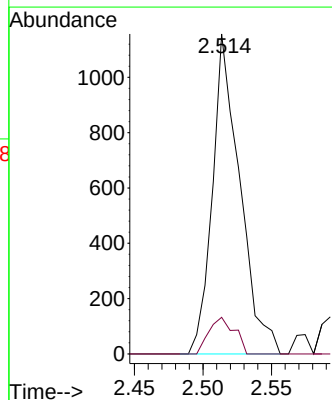
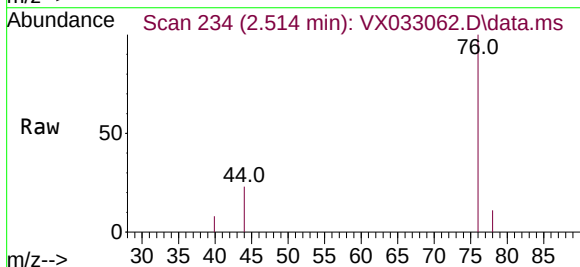
Acq: 25 Nov 2022 12:59

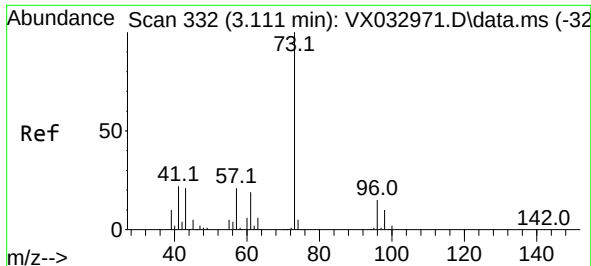
Tgt Ion: 76 Resp: 1610

Ion Ratio Lower Upper

76 100

78 11.4 7.5 11.3#

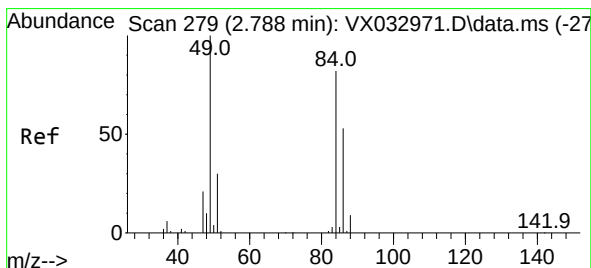
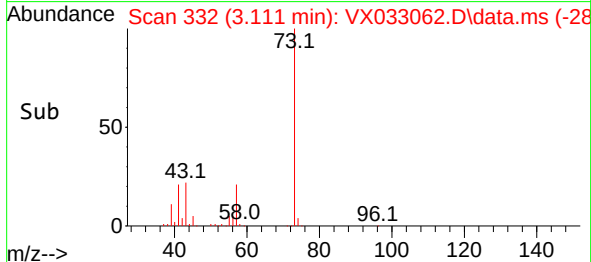
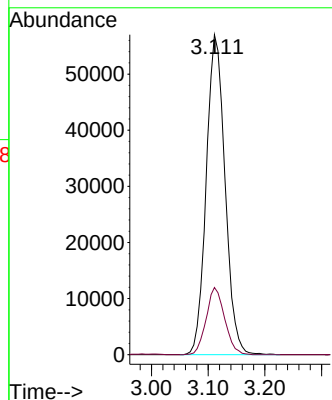
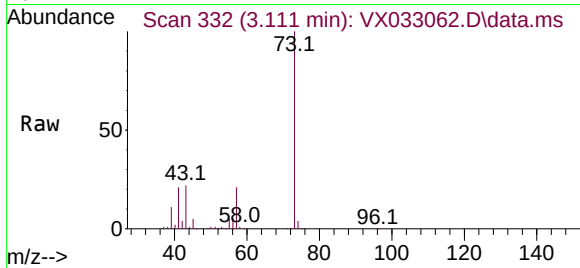




#19
Methyl tert-butyl Ether
Concen: 31.000 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

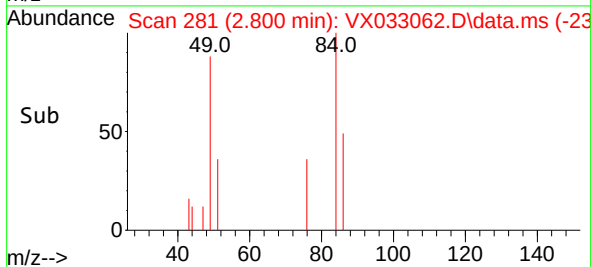
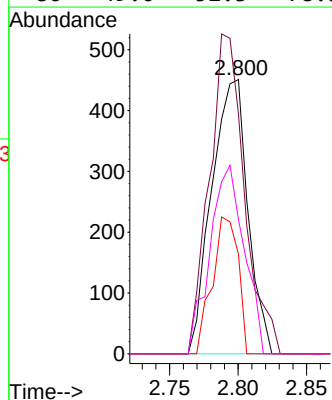
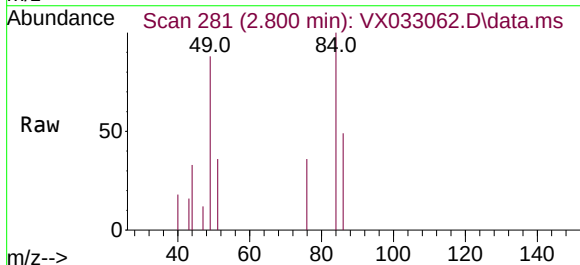
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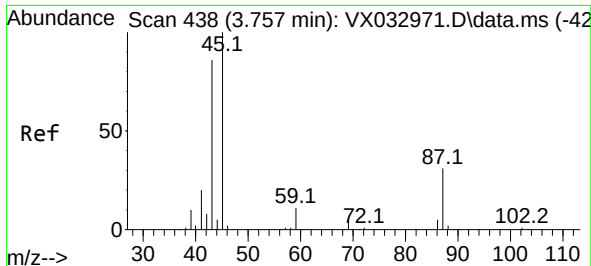
Tgt Ion: 73 Resp: 131117
Ion Ratio Lower Upper
73 100
57 21.0 16.6 25.0



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Tgt Ion: 84 Resp: 826
Ion Ratio Lower Upper
84 100
49 87.6 101.0 151.6#
51 36.4 31.1 46.7
86 49.0 52.3 78.5#

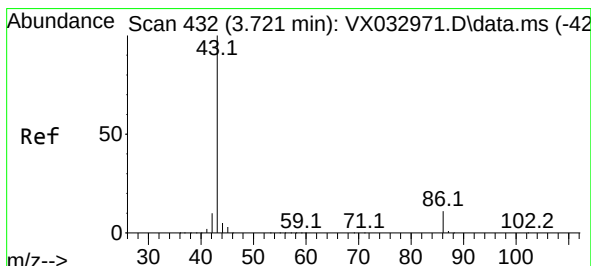
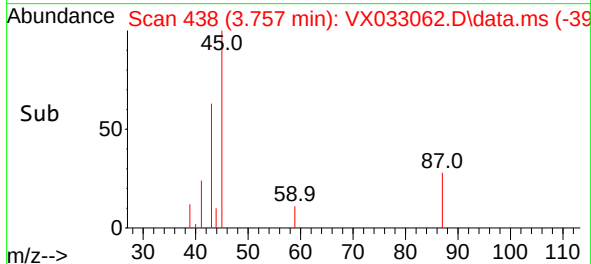
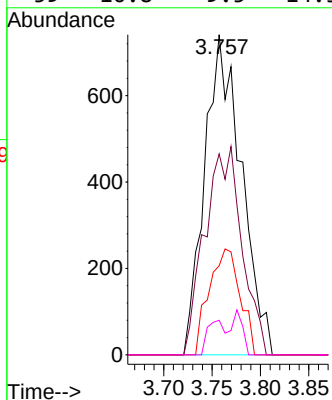
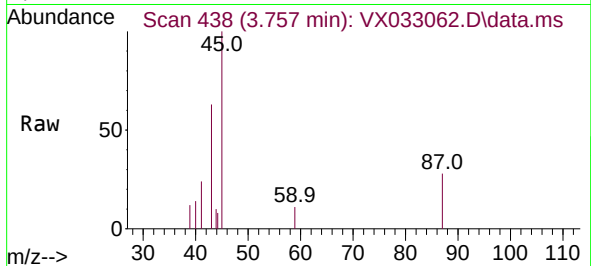




#22
Diisopropyl ether
Concen: 0.455 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

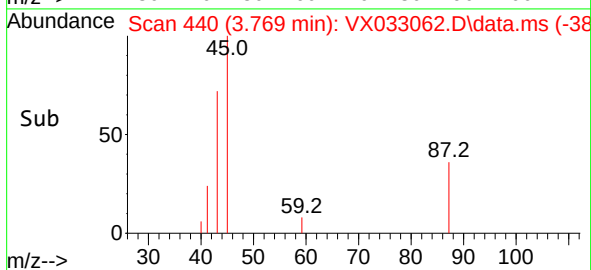
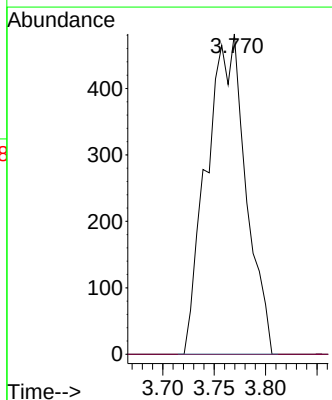
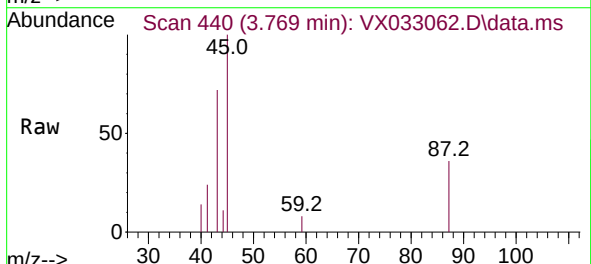
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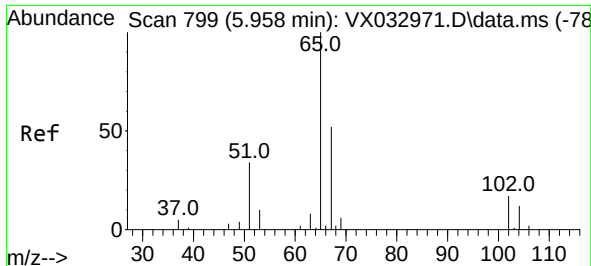
Tgt Ion:	45	Resp:	1951
Ion	Ratio	Lower	Upper
45	100		
43	62.8	56.4	84.6
87	27.8	24.4	36.6
59	10.8	9.5	14.3



#23
Vinyl Acetate
Concen: 0.381 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.048 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Tgt Ion:	43	Resp:	1278
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#





#33

1,2-Dichloroethane-d4

Concen: 53.615 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033062.D

Acq: 25 Nov 2022 12:59

Instrument :

MSVOA_X

ClientSampleId :

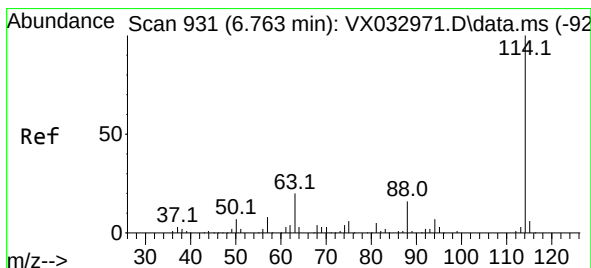
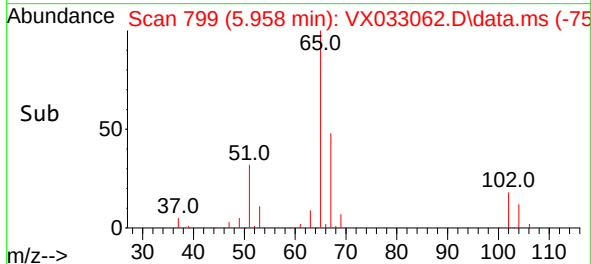
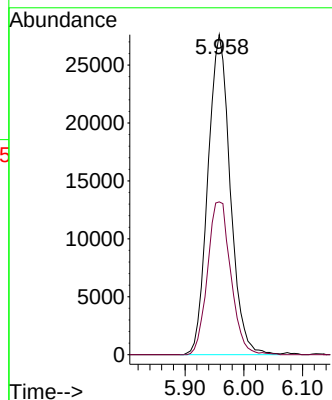
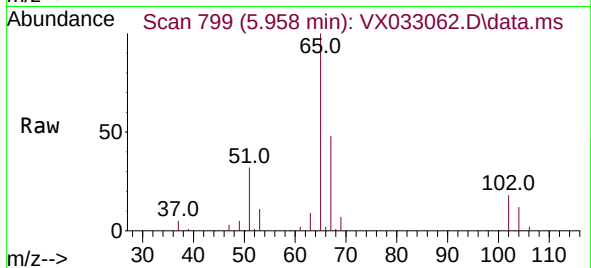
MW-31DL

Tgt Ion: 65 Resp: 72907

Ion Ratio Lower Upper

65 100

67 49.8 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: VX033062.D

Acq: 25 Nov 2022 12:59

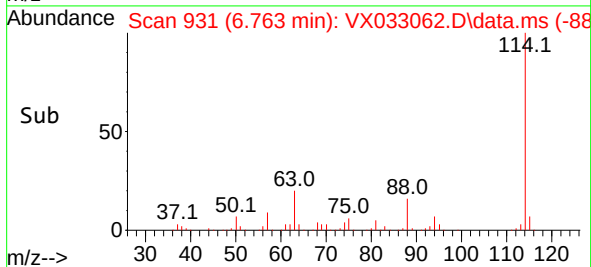
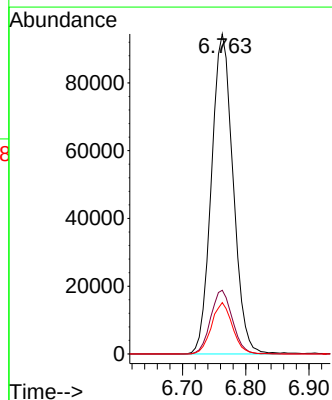
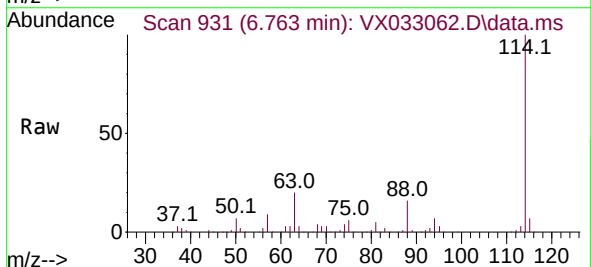
Tgt Ion: 114 Resp: 224338

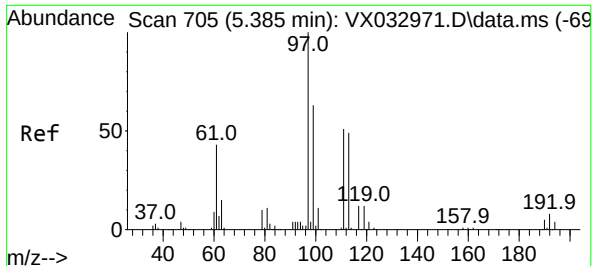
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 45.632 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX033062.D

Acq: 25 Nov 2022 12:59

Instrument :

MSVOA_X

ClientSampleId :

MW-31DL

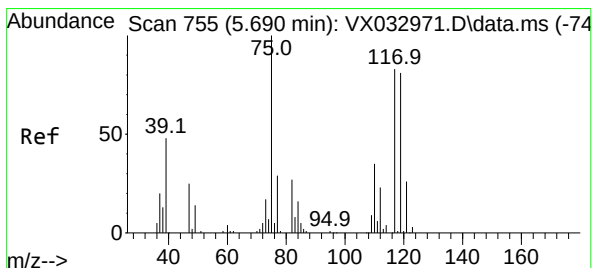
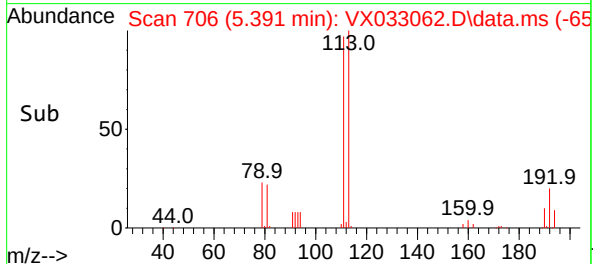
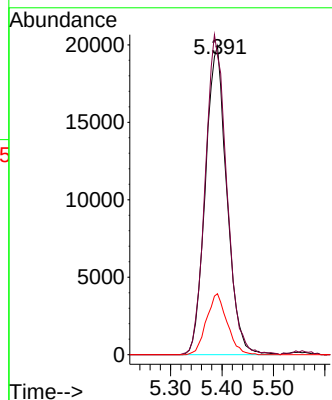
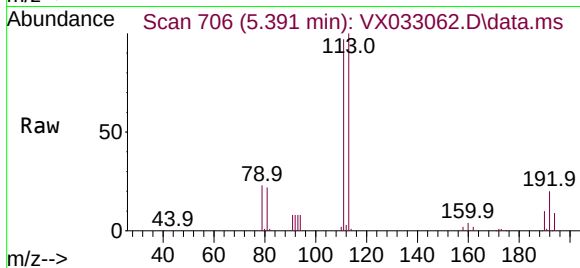
Tgt Ion:113 Resp: 57712

Ion Ratio Lower Upper

113 100

111 103.9 82.4 123.6

192 19.1 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.554 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX033062.D

Acq: 25 Nov 2022 12:59

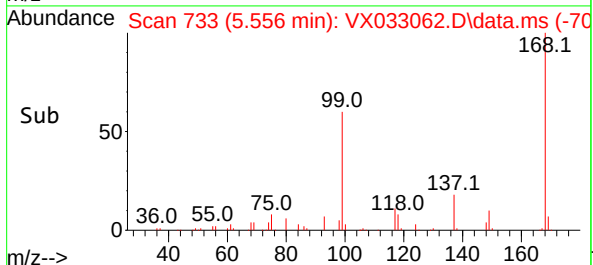
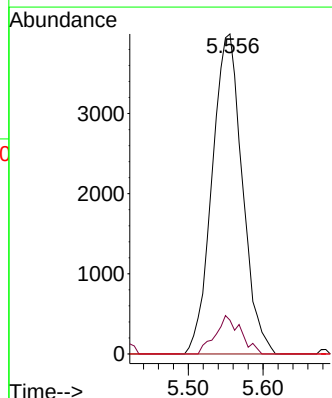
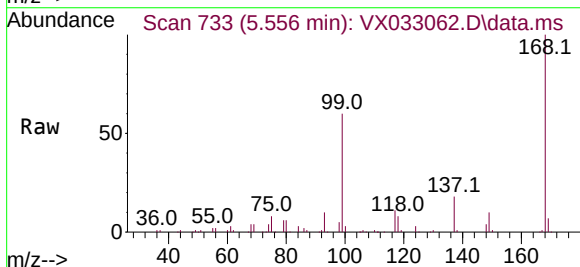
Tgt Ion: 75 Resp: 11231

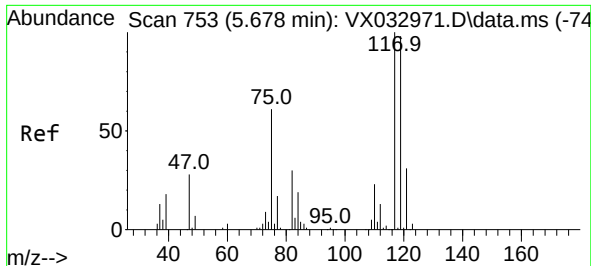
Ion Ratio Lower Upper

75 100

110 10.1 18.4 55.2#

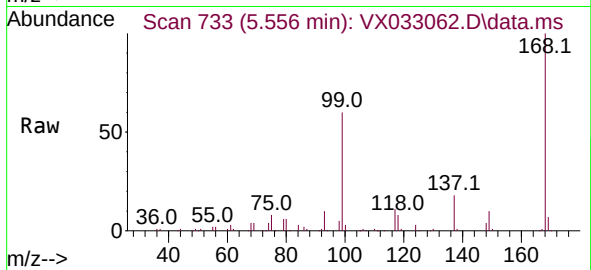
77 0.0 24.5 36.7#



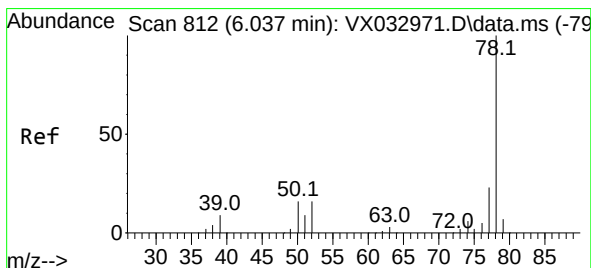
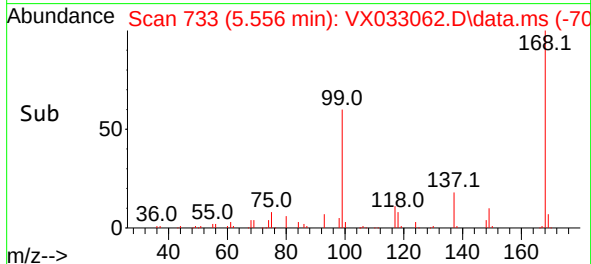
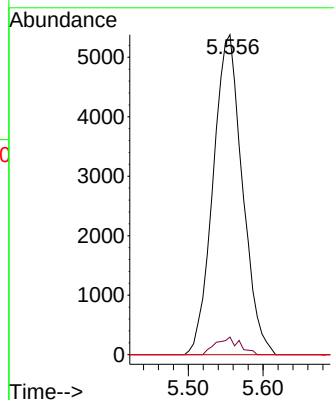


#38
Carbon Tetrachloride
Concen: 6.549 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

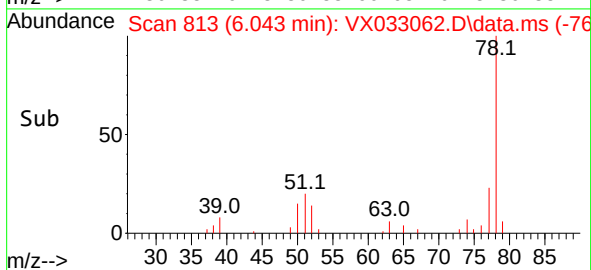
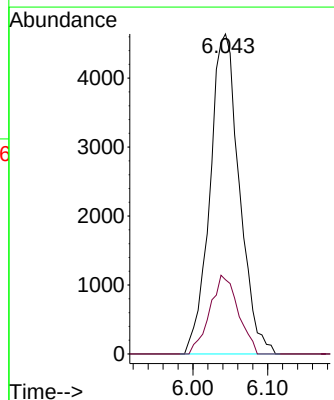
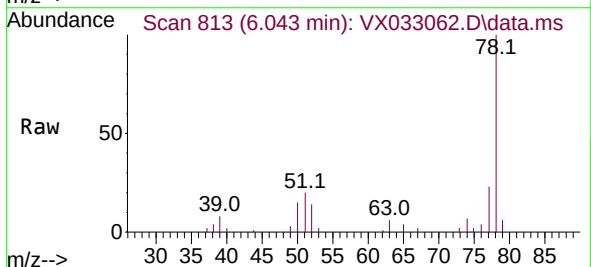


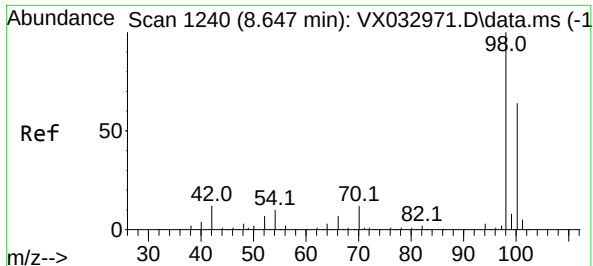
Tgt Ion:117 Resp: 14692
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 2.236 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Tgt Ion: 78 Resp: 12678
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4

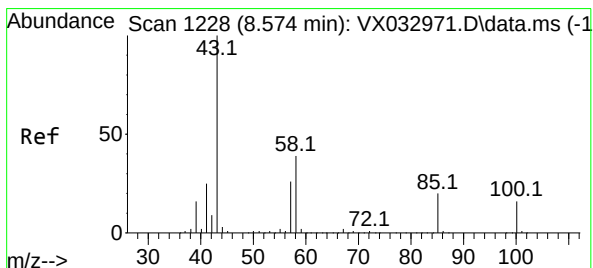
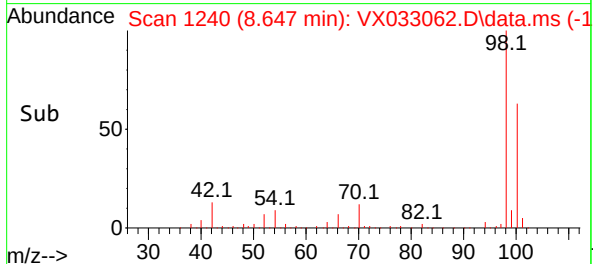
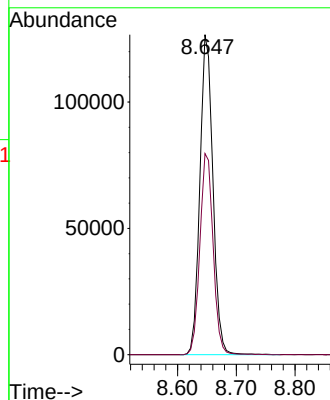
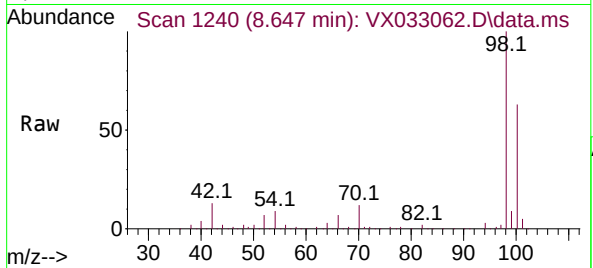




#50
Toluene-d8
Concen: 51.284 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

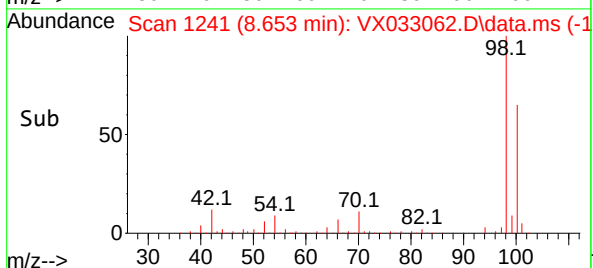
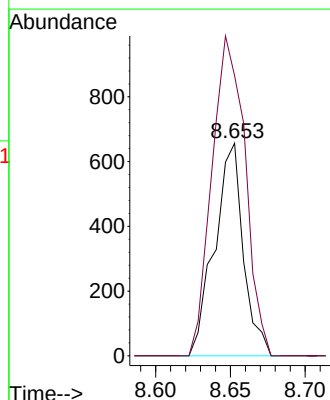
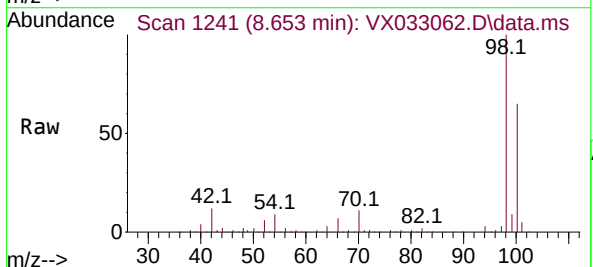
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

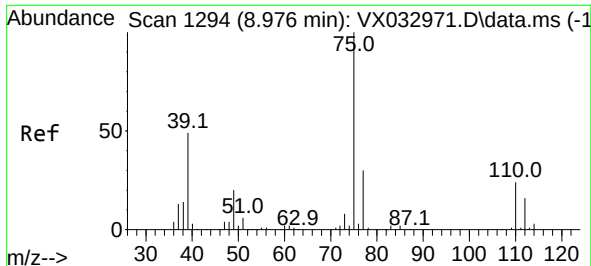
Tgt Ion: 98 Resp: 194941
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.488 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Tgt Ion: 43 Resp: 879
Ion Ratio Lower Upper
43 100
58 173.5 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 1.530 ug/l

RT: 8.994 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX033062.D

Acq: 25 Nov 2022 12:59

Instrument :

MSVOA_X

ClientSampleId :

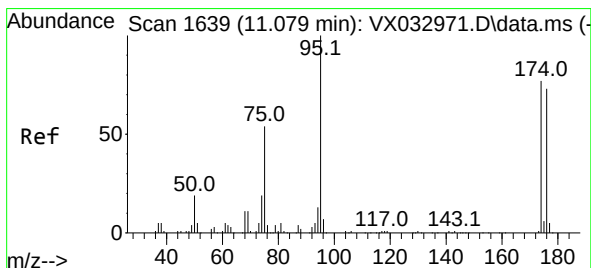
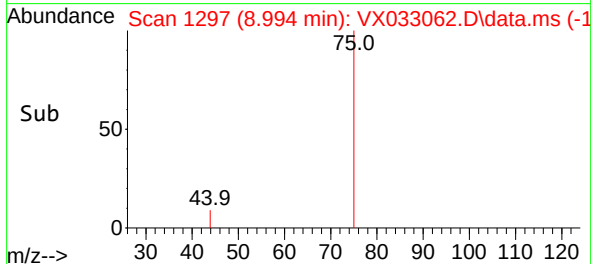
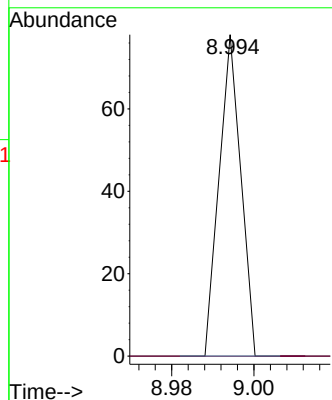
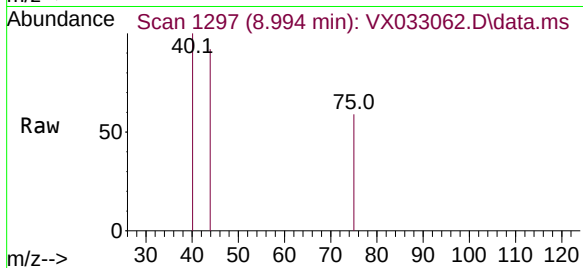
MW-31DL

Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#62

4-Bromofluorobenzene

Concen: 42.904 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033062.D

Acq: 25 Nov 2022 12:59

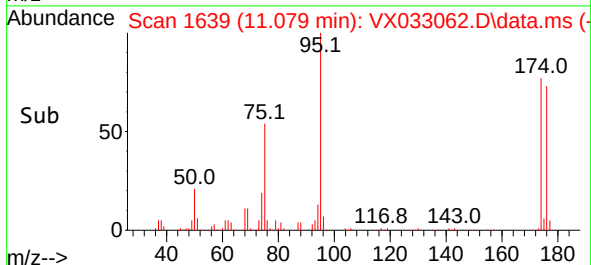
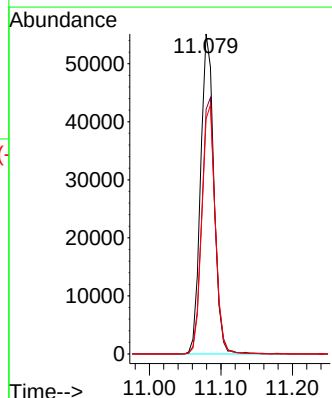
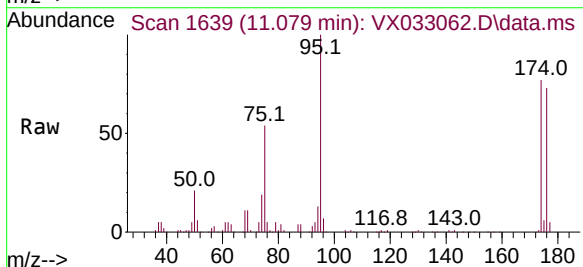
Tgt Ion: 95 Resp: 71279

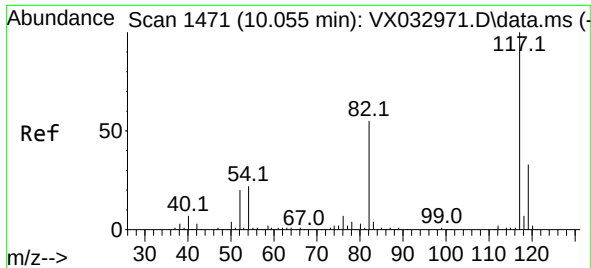
Ion Ratio Lower Upper

95 100

174 80.6 0.0 164.0

176 78.2 0.0 154.4

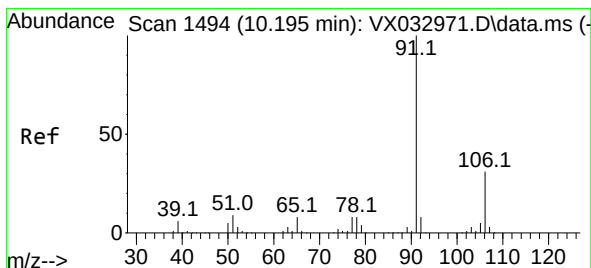
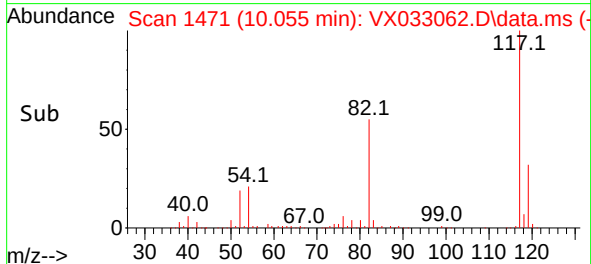
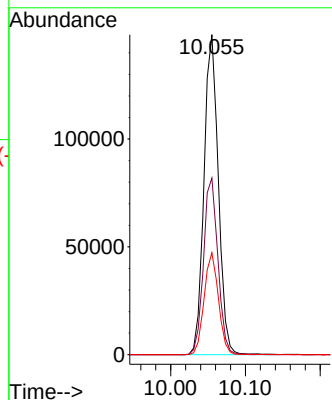
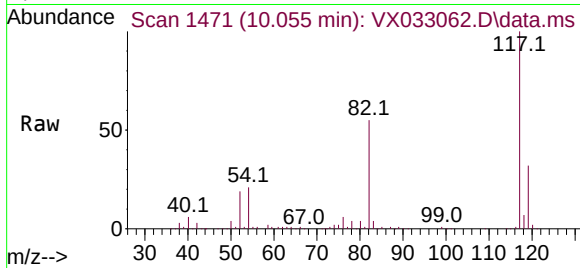




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

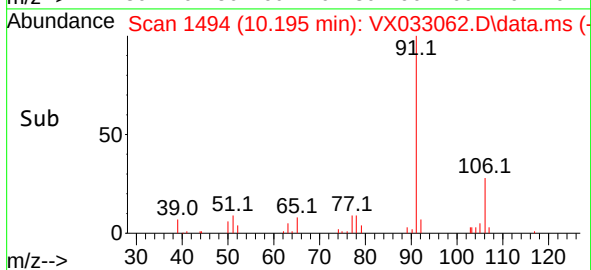
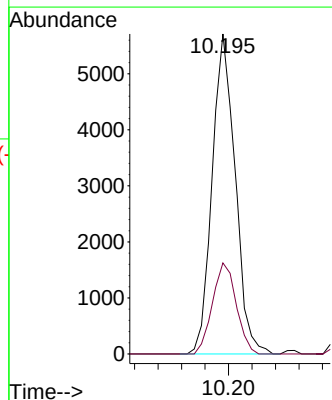
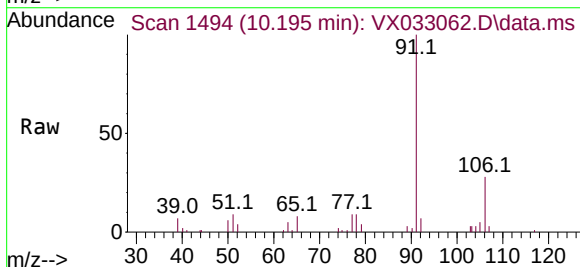
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

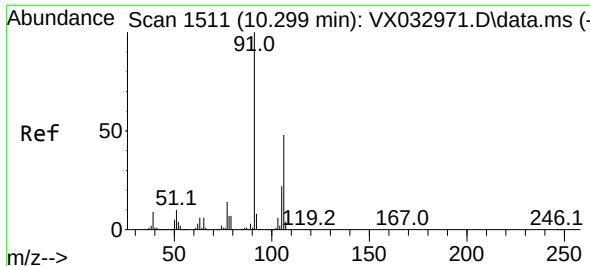
Tgt Ion:117 Resp: 197685
Ion Ratio Lower Upper
117 100
82 55.2 44.3 66.5
119 31.9 25.7 38.5



#67
Ethyl Benzene
Concen: 1.112 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Tgt Ion: 91 Resp: 7774
Ion Ratio Lower Upper
91 100
106 28.5 25.0 37.6

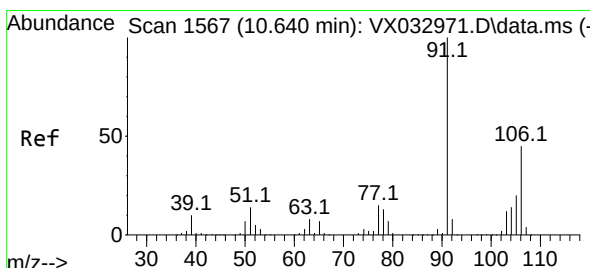
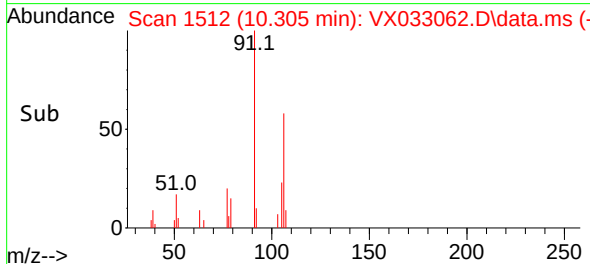
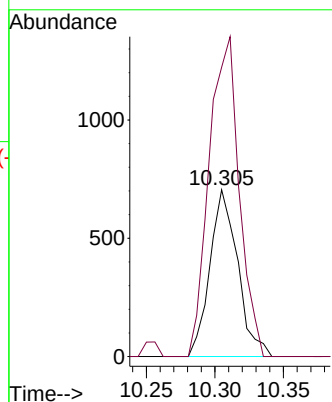
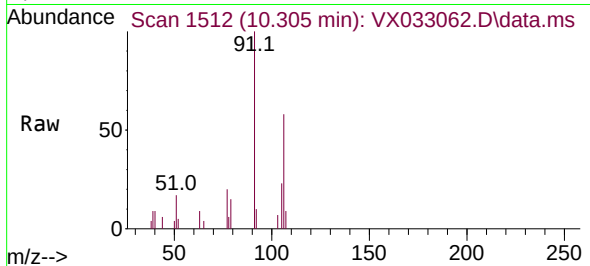




#68
m/p-Xylenes
Concen: 0.363 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

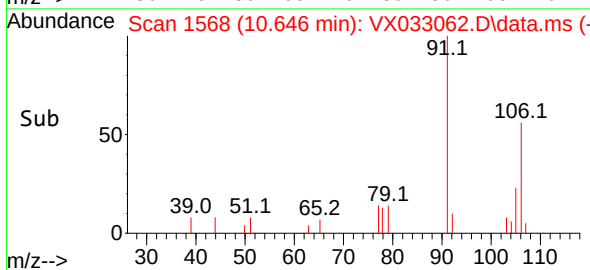
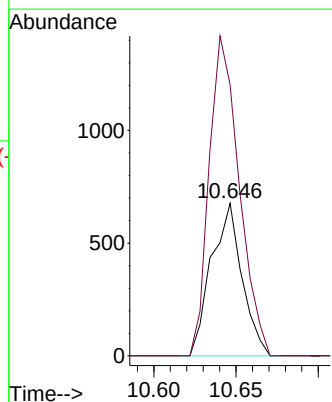
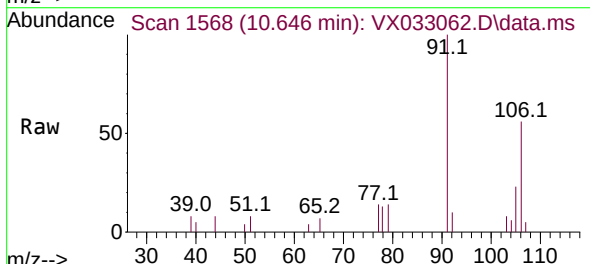
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

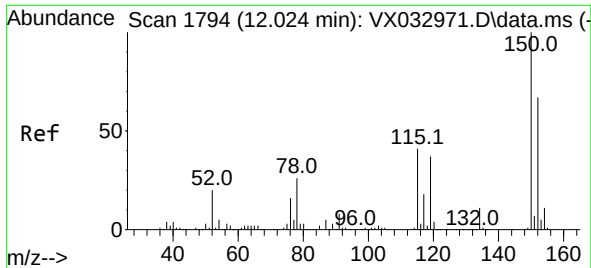
Tgt Ion:106 Resp: 995
Ion Ratio Lower Upper
106 100
91 207.6 164.5 246.7



#69
o-Xylene
Concen: 0.331 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Tgt Ion:106 Resp: 876
Ion Ratio Lower Upper
106 100
91 205.8 109.2 327.6

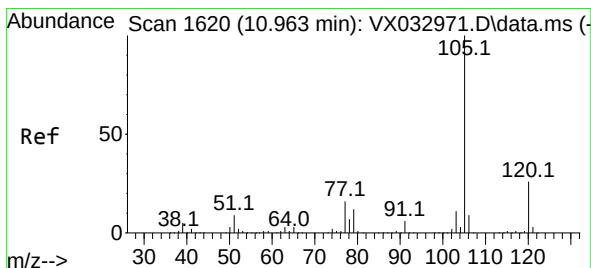
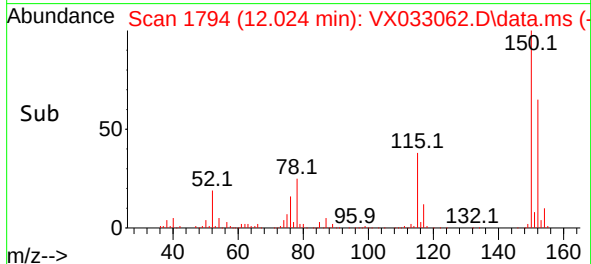
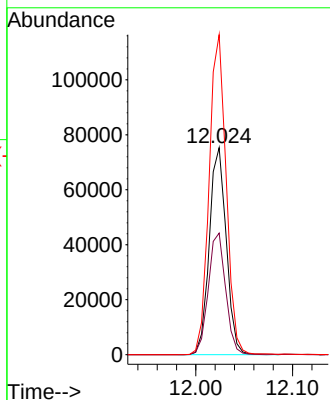
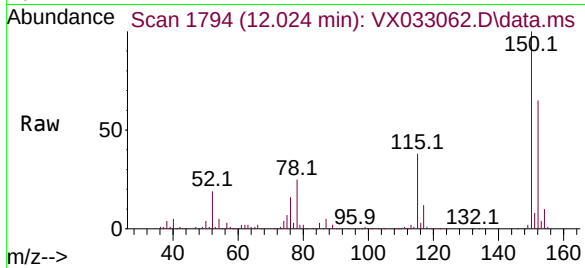




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

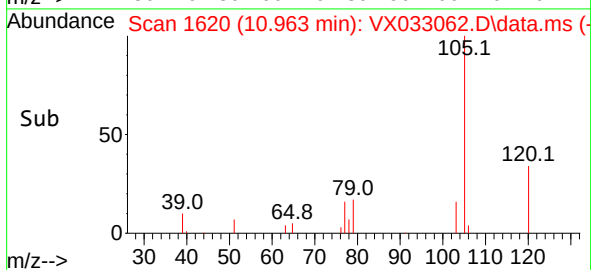
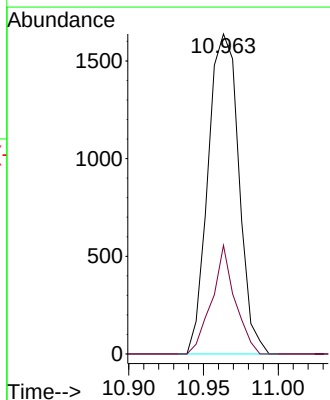
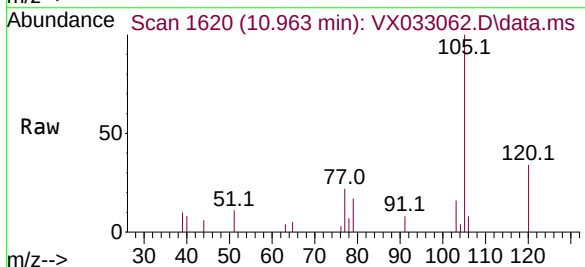
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

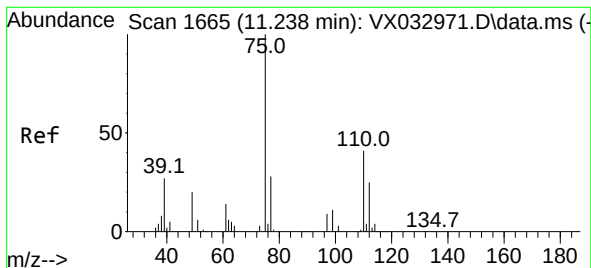
Tgt Ion:152 Resp: 91961
Ion Ratio Lower Upper
152 100
115 60.0 44.0 132.0
150 155.2 0.0 351.8



#73
Isopropylbenzene
Concen: 0.356 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Tgt Ion:105 Resp: 2341
Ion Ratio Lower Upper
105 100
120 25.6 13.1 39.3





#76

1,2,3-Trichloropropane

Concen: 22.011 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX033062.D

Acq: 25 Nov 2022 12:59

Instrument :

MSVOA_X

ClientSampleId :

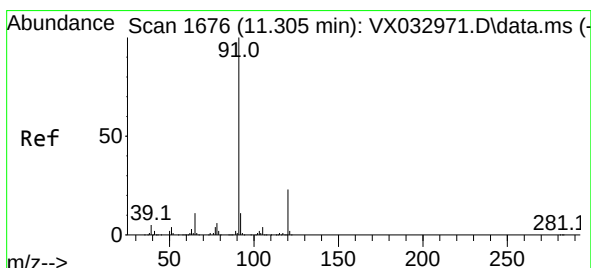
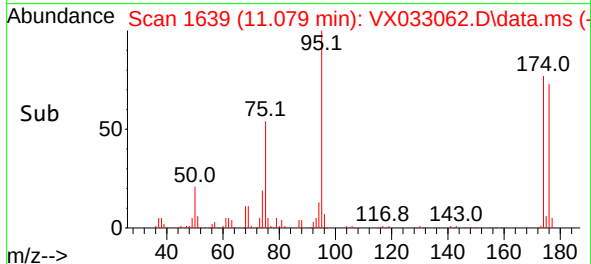
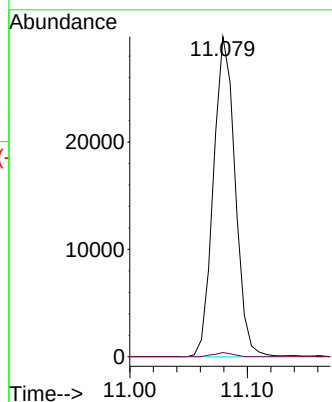
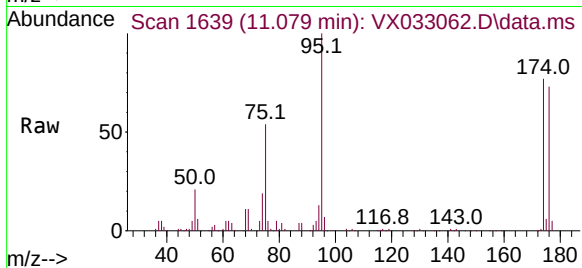
MW-31DL

Tgt Ion: 75 Resp: 38335

Ion Ratio Lower Upper

75 100

77 1.1 20.0 60.0#



#78

n-propylbenzene

Concen: 0.298 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX033062.D

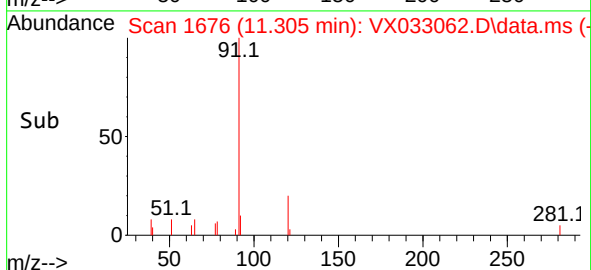
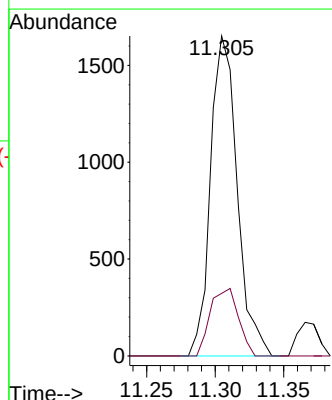
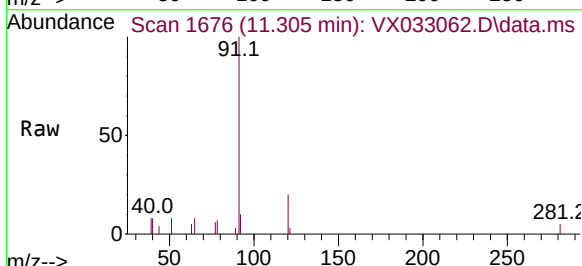
Acq: 25 Nov 2022 12:59

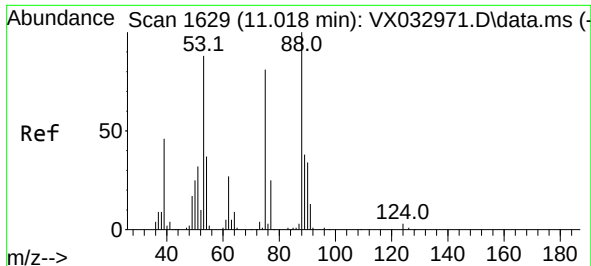
Tgt Ion: 91 Resp: 2236

Ion Ratio Lower Upper

91 100

120 22.1 11.6 34.8

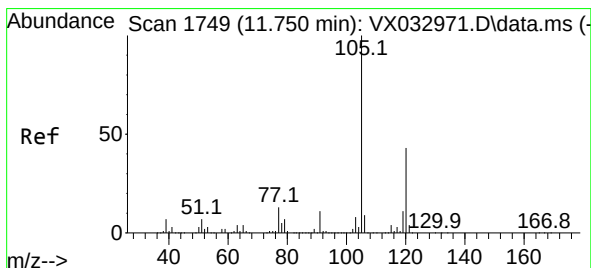
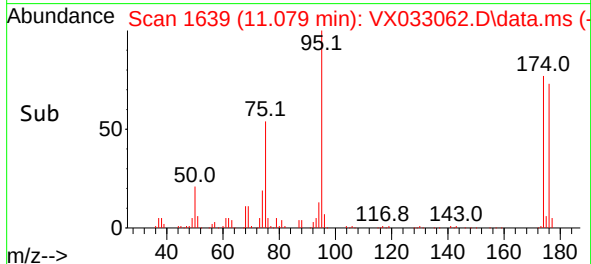
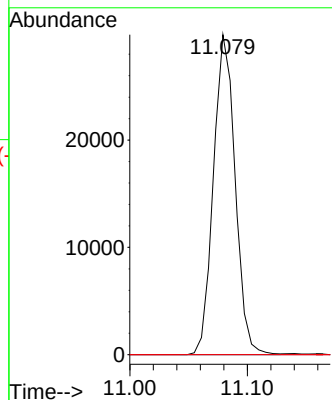
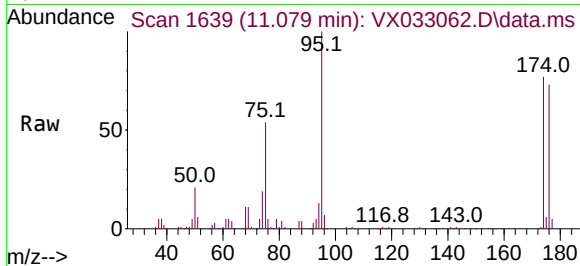




#81
trans-1,4-Dichloro-2-butene
Concen: 71.547 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

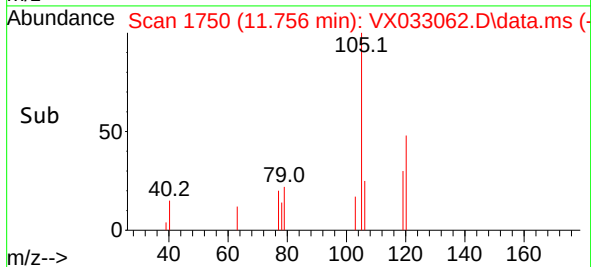
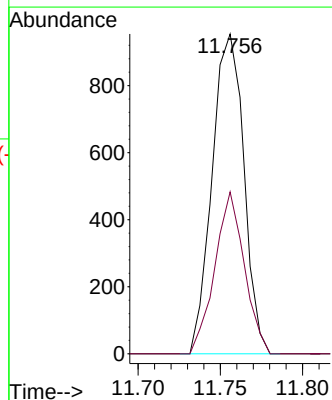
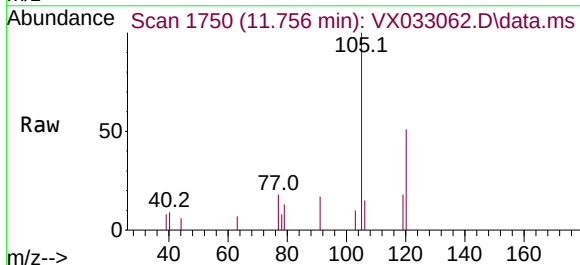
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

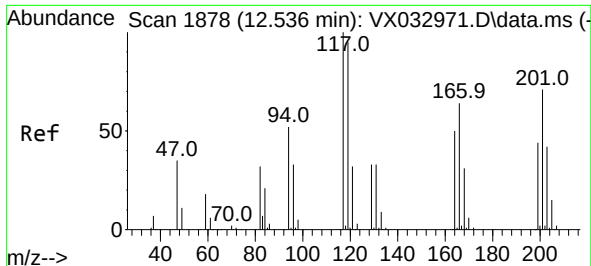
Tgt Ion: 75 Resp: 38335
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.232 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Tgt Ion: 105 Resp: 1277
Ion Ratio Lower Upper
105 100
120 47.1 21.9 65.5

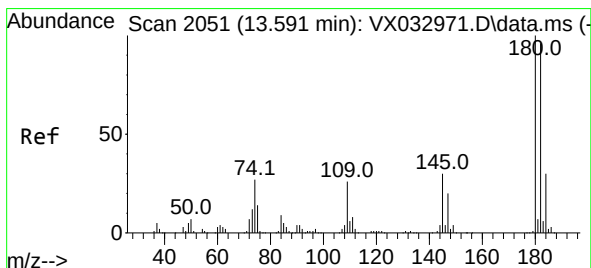
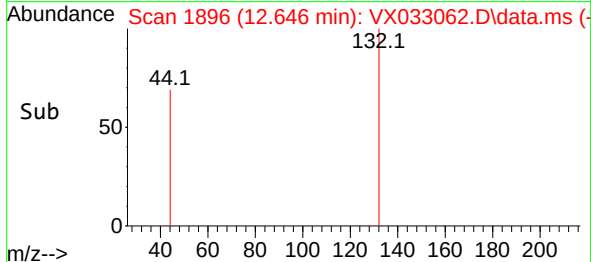
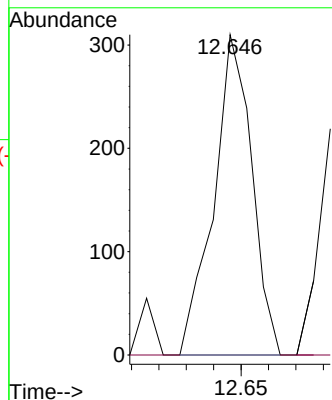
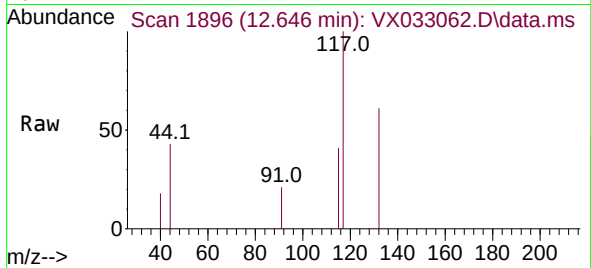




#90
Hexachloroethane
Concen: 0.328 ug/l
RT: 12.646 min Scan# 1896
Delta R.T. 0.104 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

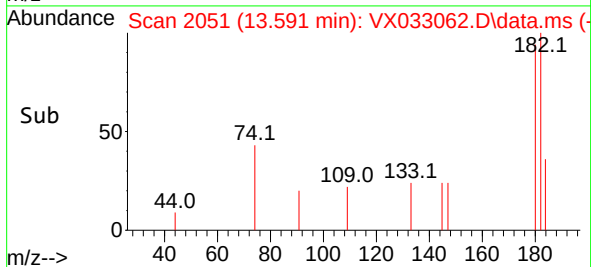
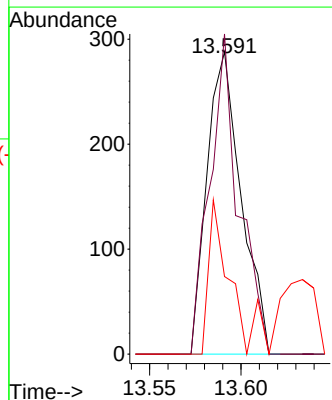
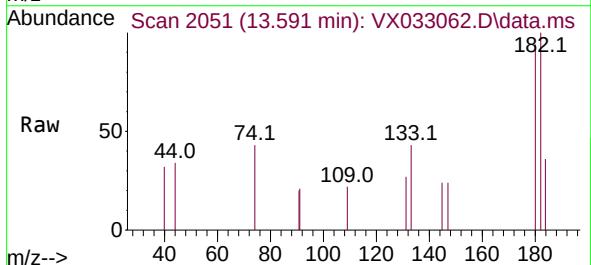
Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

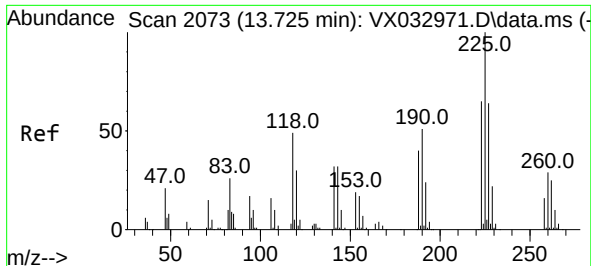
Tgt Ion:117 Resp: 300
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.206 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Tgt Ion:180 Resp: 374
Ion Ratio Lower Upper
180 100
182 90.4 48.4 145.0
145 28.1 16.2 48.5

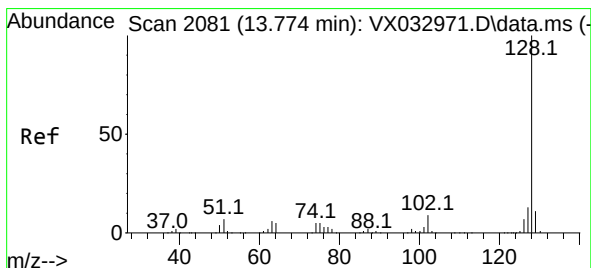
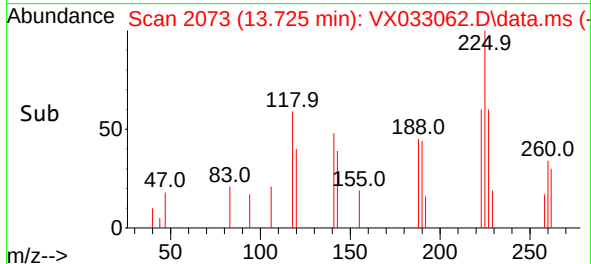
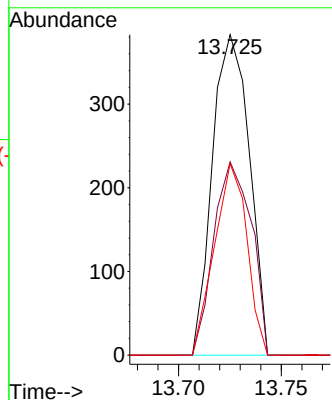
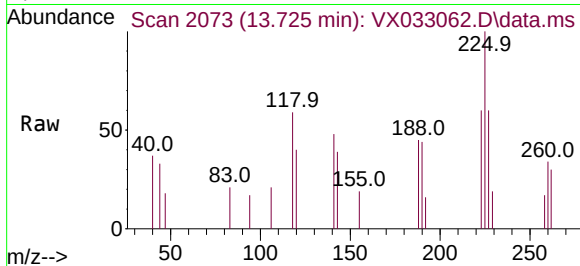




#94
Hexachlorobutadiene
Concen: 0.597 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Instrument :
MSVOA_X
ClientSampleId :
MW-31DL

Tgt Ion:	225	Resp:	479
Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.9	95.9
227	52.6	31.9	95.5



#95
Naphthalene
Concen: 0.575 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX033062.D
Acq: 25 Nov 2022 12:59

Tgt Ion:	128	Resp:	3379
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	9.9	8.9	13.3

