

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120722\
 Data File : VX033303.D
 Acq On : 07 Dec 2022 23:47
 Operator : JC/MD
 Sample : N5906-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3RR

Quant Time: Dec 08 01:45:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

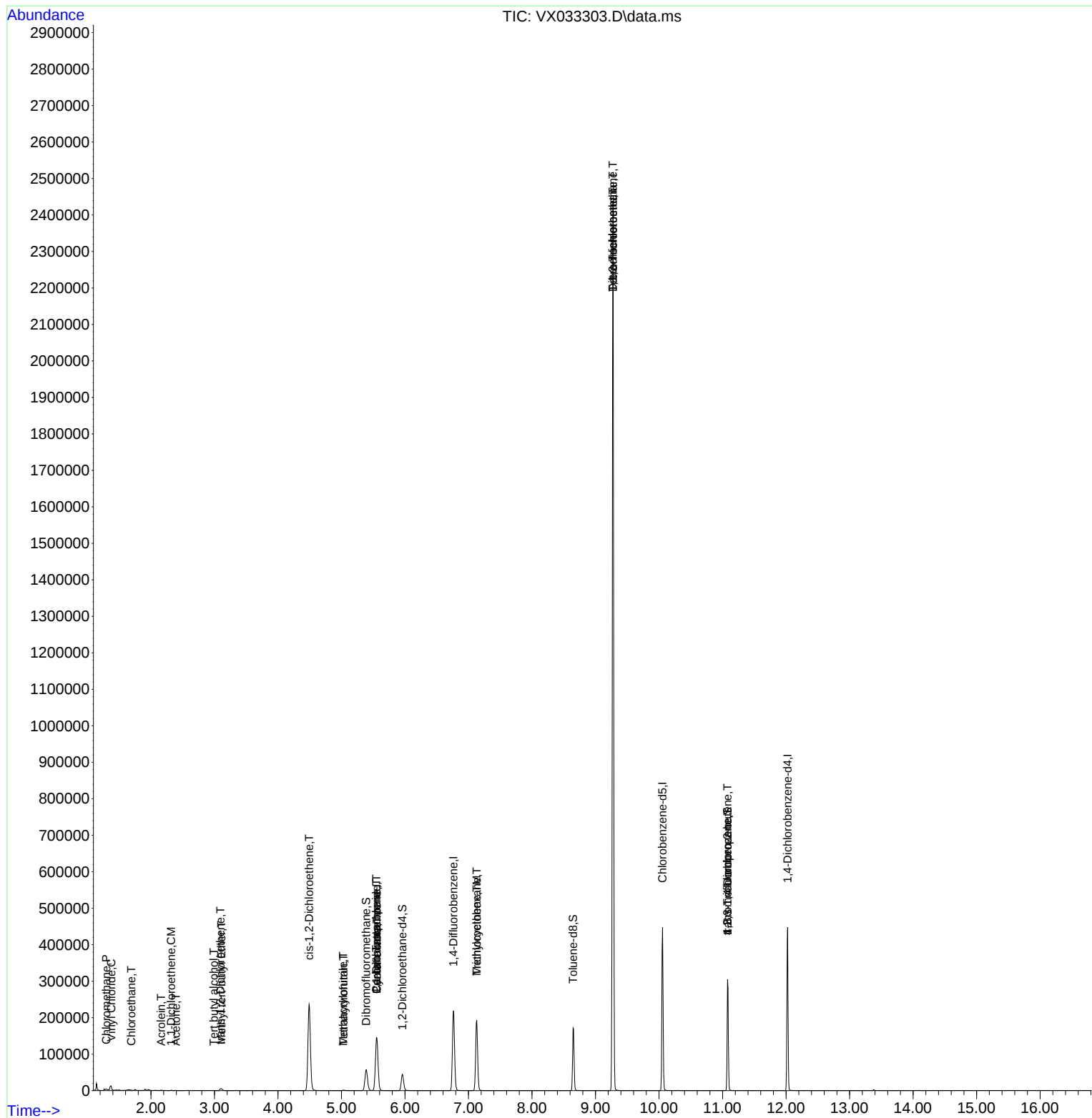
Internal Standards						
1) Pentafluorobenzene	5.556	168	141175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227170	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	46616	51.470	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.940%			
35) Dibromofluoromethane	5.385	113	50964	49.878	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.760%			
50) Toluene-d8	8.647	98	105797	49.496	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.000%			
62) 4-Bromofluorobenzene	11.079	95	79420	48.594	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.180%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	306	0.268	ug/l #	43
4) Vinyl Chloride	1.374	62	3031	2.328	ug/l	90
6) Chloroethane	1.691	64	211	0.214	ug/l #	42
11) Tert butyl alcohol	2.989	59	300	1.083	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	450	0.352	ug/l #	70
13) Acrolein	2.160	56	64	0.213	ug/l #	1
16) Acetone	2.392	43	804	1.200	ug/l	90
19) Methyl tert-butyl Ether	3.111	73	3403	0.768	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	1586	1.133	ug/l	90
27) cis-1,2-Dichloroethene	4.489	96	151932	90.803	ug/l	89
29) Tetrahydrofuran	5.032	42	1123	1.802	ug/l #	84
31) Cyclohexane	5.556	56	2818	1.309	ug/l #	2
36) 1,1-Dichloropropene	5.550	75	10667	5.355	ug/l #	50
38) Carbon Tetrachloride	5.550	117	14753	6.610	ug/l #	16
39) Methylcyclohexane	7.129	83	839	0.376	ug/l #	1
41) Methacrylonitrile	5.025	41	435	0.419	ug/l #	37
44) Trichloroethene	7.129	130	75060	46.871	ug/l	96
55) 1,1,2-Trichloroethane	9.275	97	3949	2.502	ug/l #	7
60) Dibromochloromethane	9.275	129	422695	243.029	ug/l #	11
64) Tetrachloroethene	9.275	164	429514	313.219	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	42381	22.519	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	42381	70.050	ug/l #	6

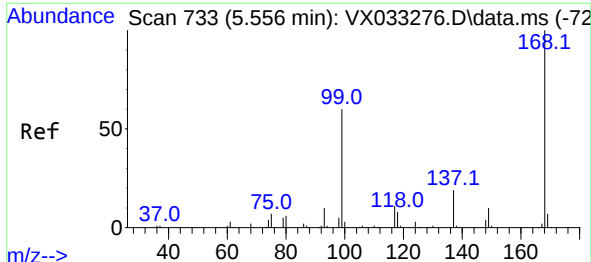
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 08 01:45:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
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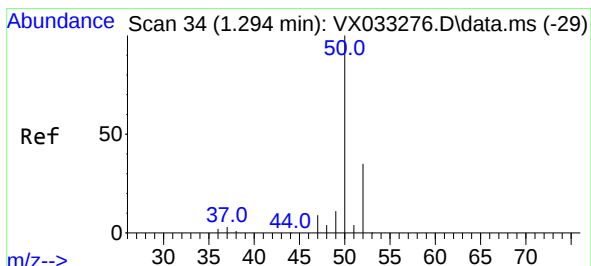
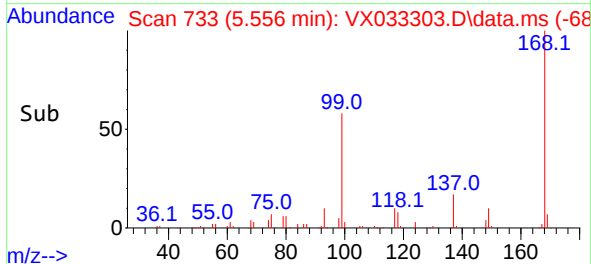
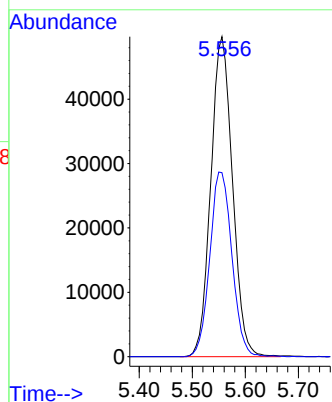
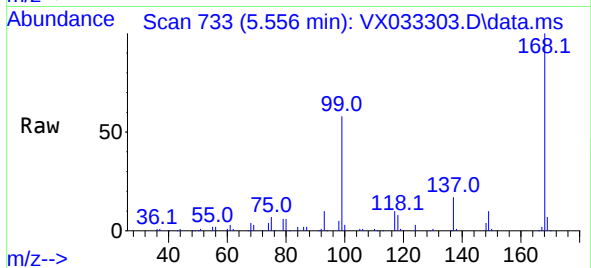




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

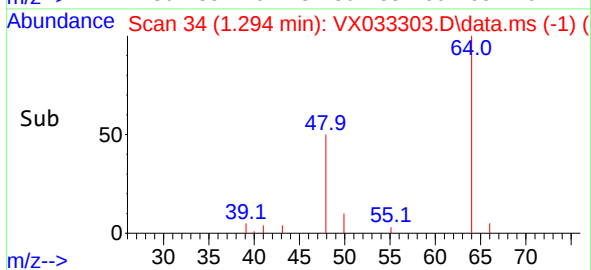
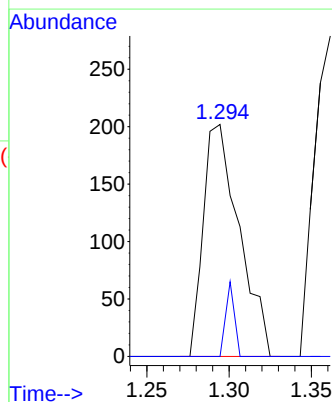
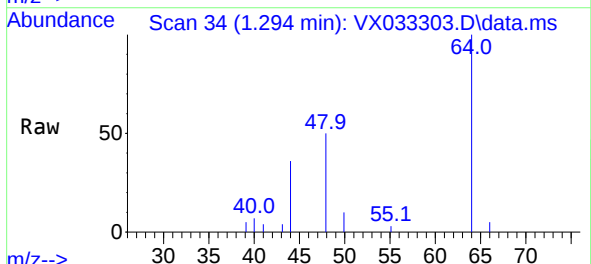
Instrument :
MSVOA_X
ClientSampleId :
MW-3RR

Tgt Ion:168 Resp: 141175
Ion Ratio Lower Upper
168 100
99 57.5 46.1 69.1

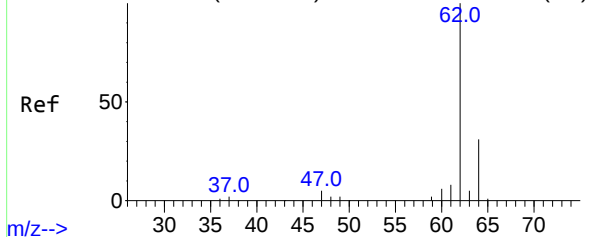


#3
Chloromethane
Concen: 0.268 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

Tgt Ion: 50 Resp: 306
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



Abundance Scan 47 (1.373 min): VX033276.D\data.ms (-42)



#4

Vinyl Chloride

Concen: 2.328 ug/l

RT: 1.374 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX033303.D

Acq: 07 Dec 2022 23:47

Instrument :

MSVOA_X

ClientSampleId :

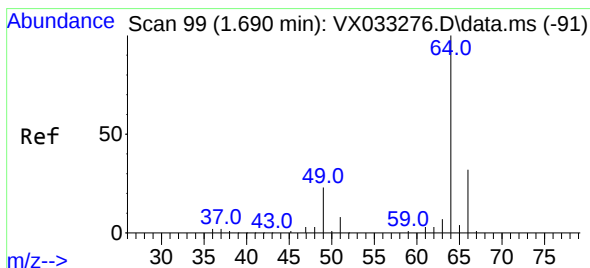
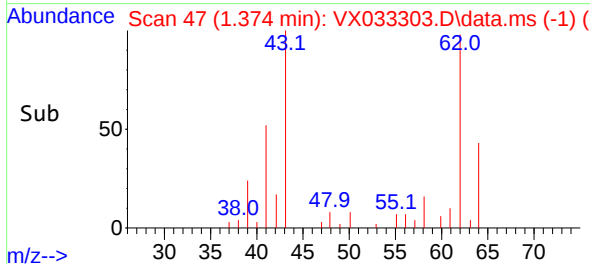
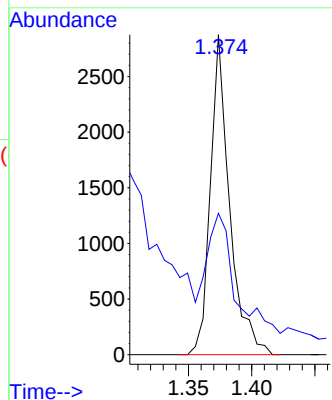
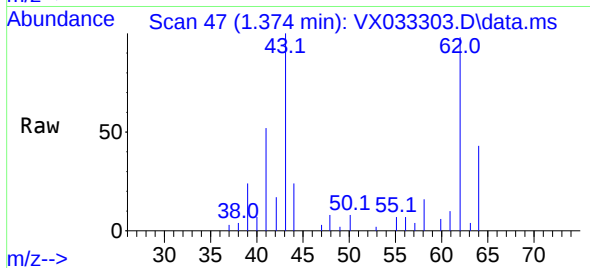
MW-3RR

Tgt Ion: 62 Resp: 3031

Ion Ratio Lower Upper

62 100

64 37.6 25.8 38.6



#6

Chloroethane

Concen: 0.214 ug/l

RT: 1.691 min Scan# 99

Delta R.T. 0.000 min

Lab File: VX033303.D

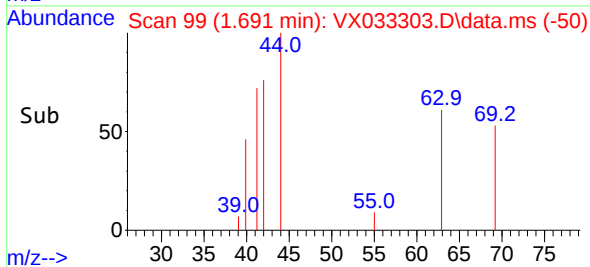
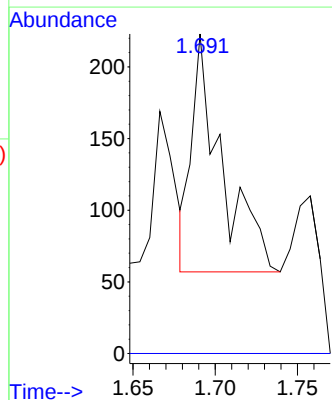
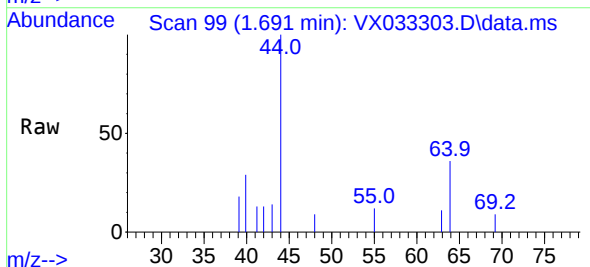
Acq: 07 Dec 2022 23:47

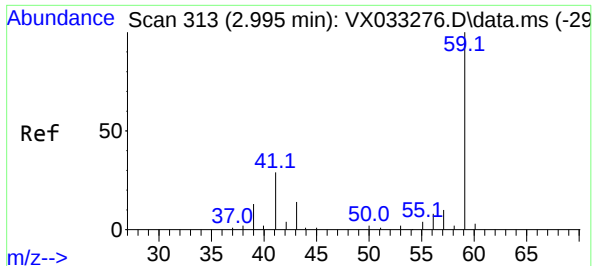
Tgt Ion: 64 Resp: 211

Ion Ratio Lower Upper

64 100

66 0.0 26.0 39.0#





#11

Tert butyl alcohol

Concen: 1.083 ug/l

RT: 2.989 min Scan# 313

Delta R.T. -0.006 min

Lab File: VX033303.D

Acq: 07 Dec 2022 23:47

Instrument :

MSVOA_X

ClientSampleId :

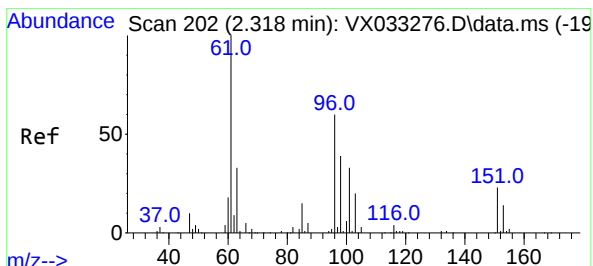
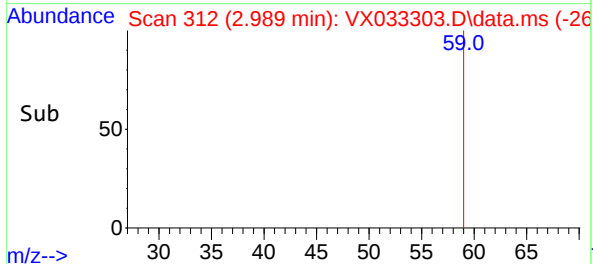
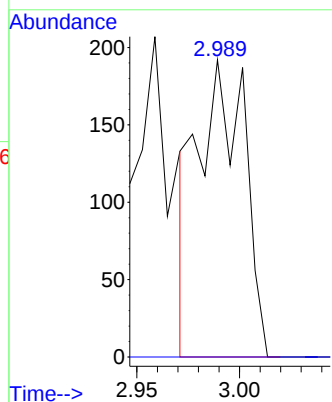
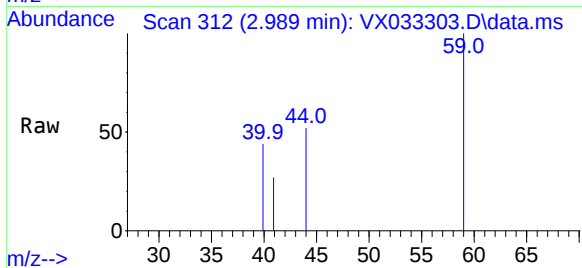
MW-3RR

Tgt Ion: 59 Resp: 300

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 0.352 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX033303.D

Acq: 07 Dec 2022 23:47

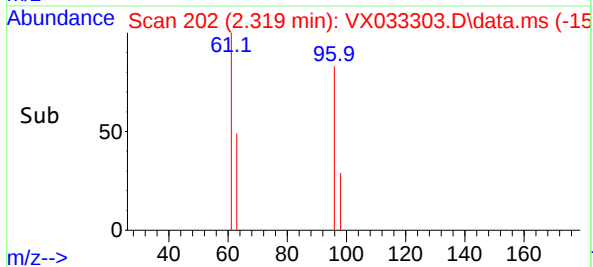
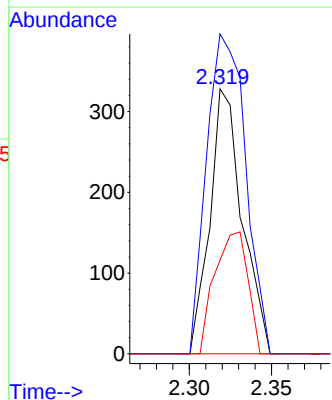
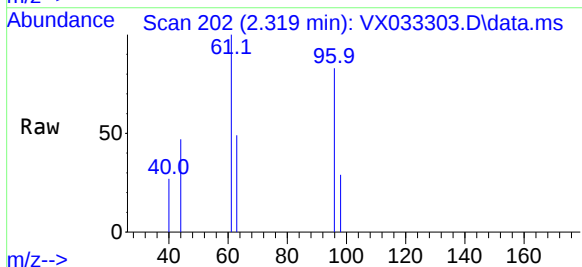
Tgt Ion: 96 Resp: 450

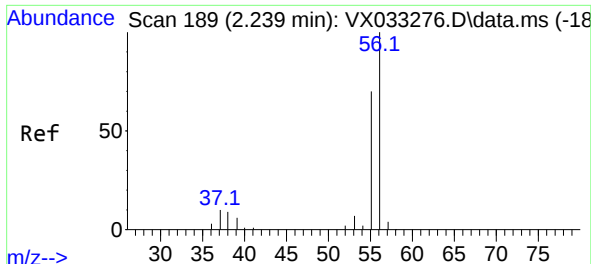
Ion Ratio Lower Upper

96 100

61 120.7 125.1 187.7#

98 35.4 50.6 76.0#

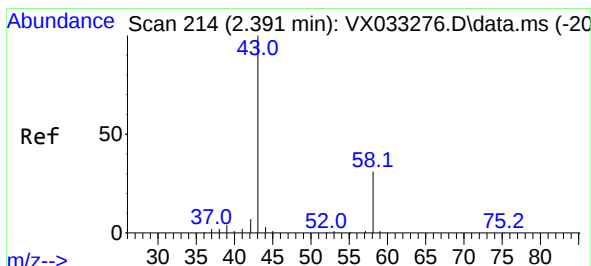
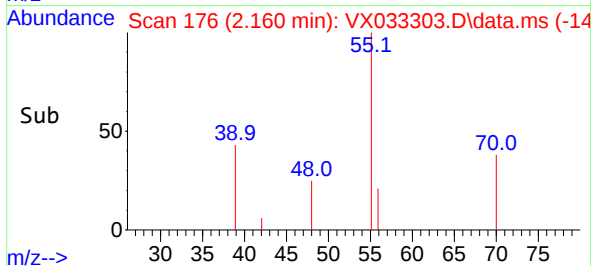
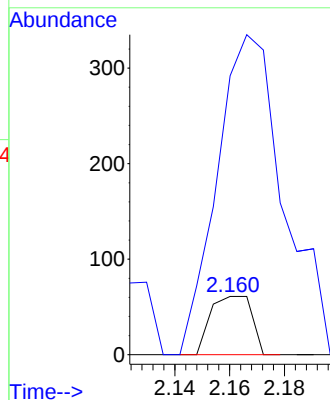
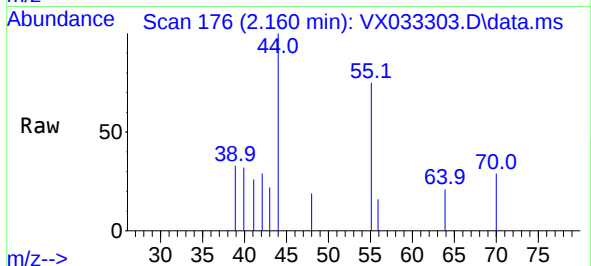




#13
Acrolein
Concen: 0.213 ug/l
RT: 2.160 min Scan# 11
Delta R.T. -0.079 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

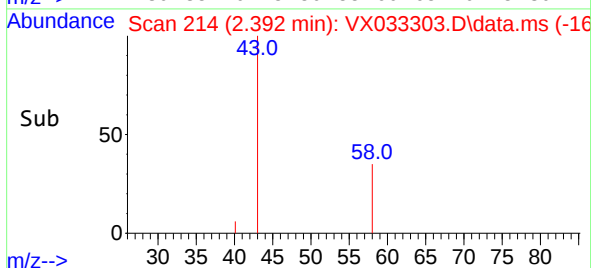
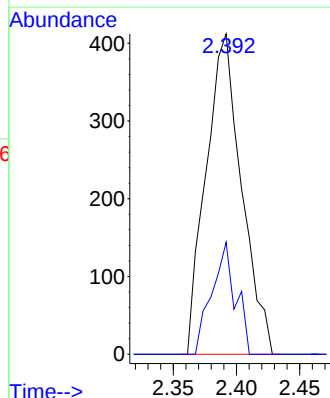
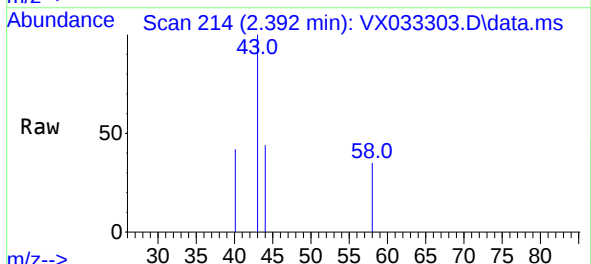
Instrument :
MSVOA_X
ClientSampleId :
MW-3RR

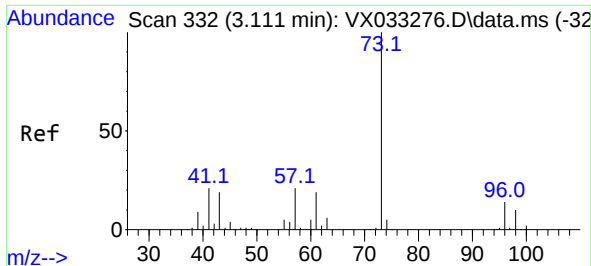
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 885.9 56.9 85.3#



#16
Acetone
Concen: 1.200 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
58 35.0 23.8 35.8

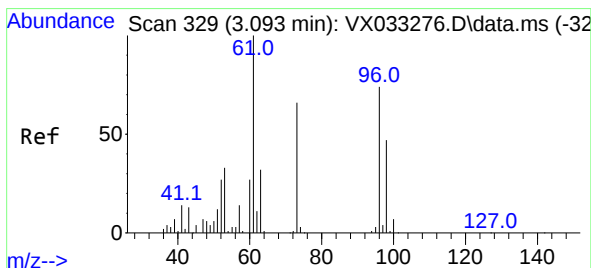
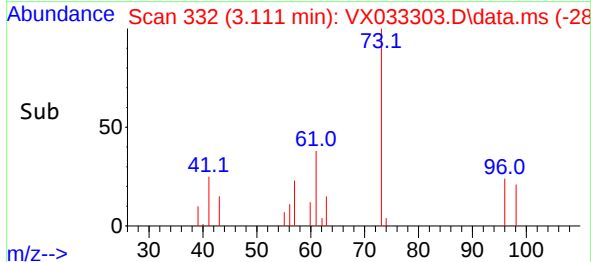
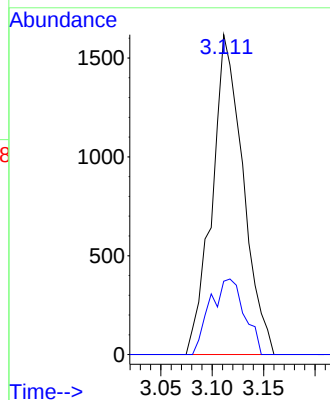
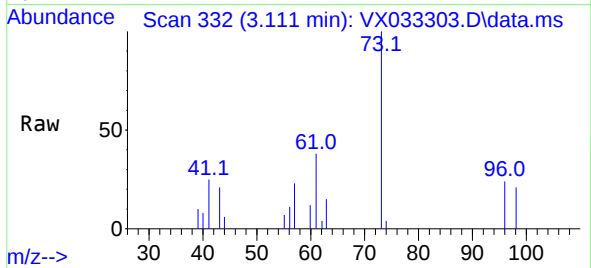




#19
Methyl tert-butyl Ether
Concen: 0.768 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

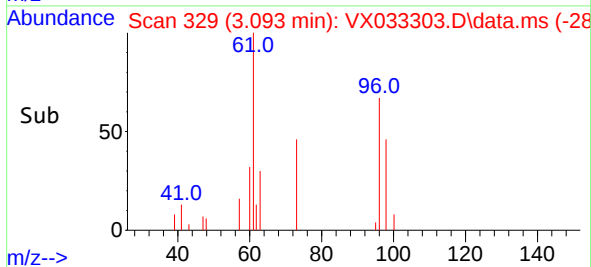
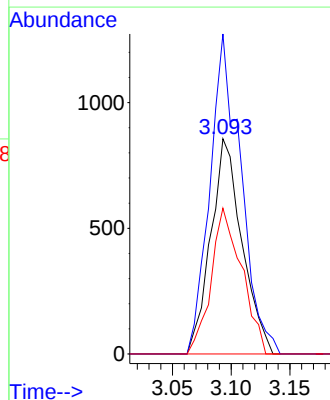
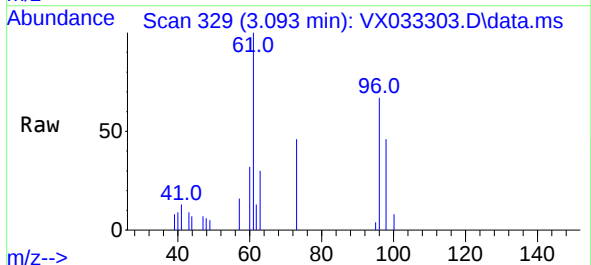
Instrument :
MSVOA_X
ClientSampleId :
MW-3RR

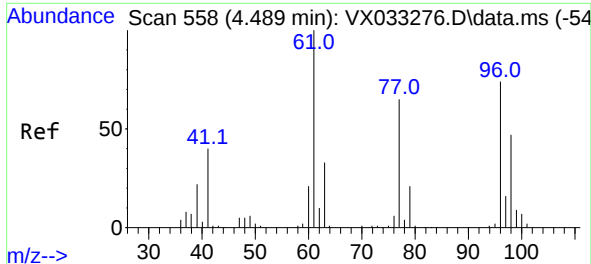
Tgt Ion: 73 Resp: 3403
Ion Ratio Lower Upper
73 100
57 22.9 16.6 25.0



#21
trans-1,2-Dichloroethene
Concen: 1.133 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

Tgt Ion: 96 Resp: 1586
Ion Ratio Lower Upper
96 100
61 148.7 106.6 160.0
98 67.8 51.0 76.6





#27

cis-1,2-Dichloroethene

Concen: 90.803 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX033303.D

Acq: 07 Dec 2022 23:47

Instrument :

MSVOA_X

ClientSampleId :

MW-3RR

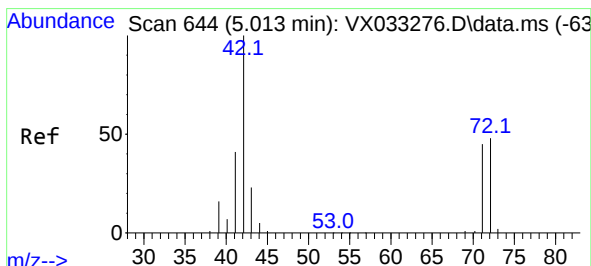
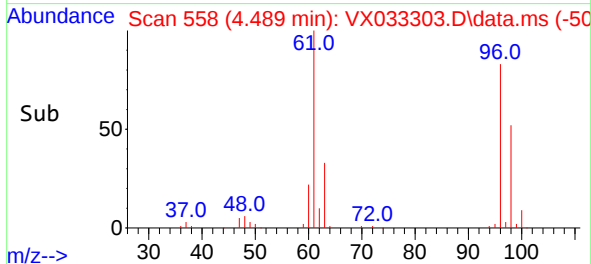
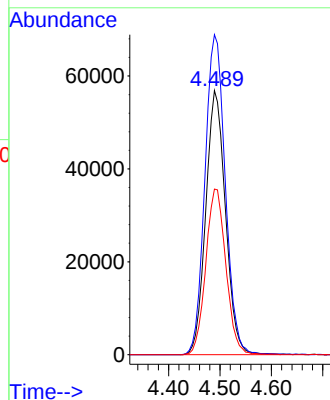
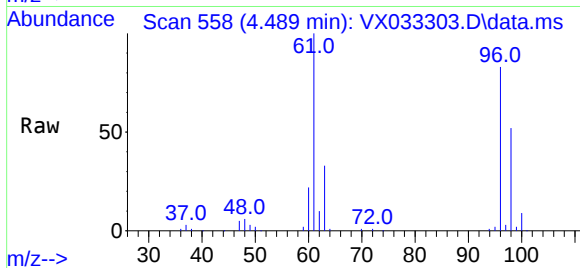
Tgt Ion: 96 Resp: 151932

Ion Ratio Lower Upper

96 100

61 124.8 0.0 286.0

98 63.8 0.0 129.6



#29

Tetrahydrofuran

Concen: 1.802 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.019 min

Lab File: VX033303.D

Acq: 07 Dec 2022 23:47

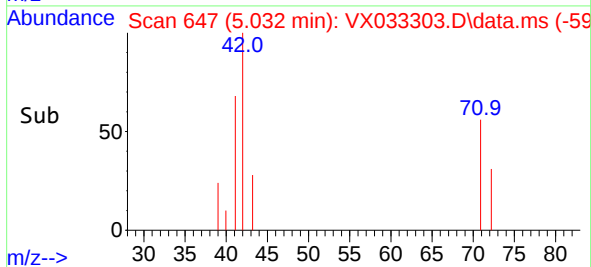
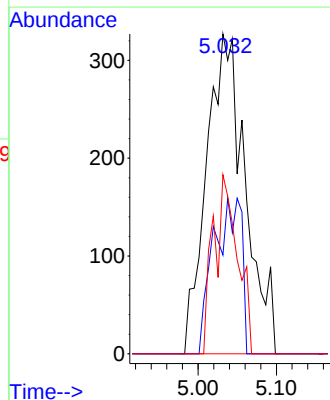
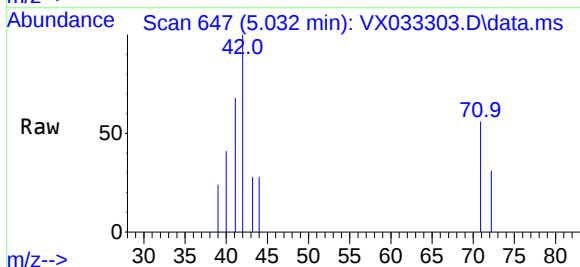
Tgt Ion: 42 Resp: 1123

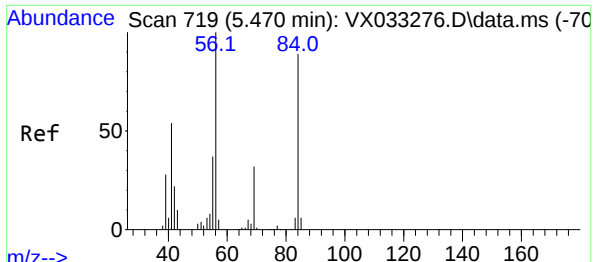
Ion Ratio Lower Upper

42 100

72 35.0 37.6 56.4#

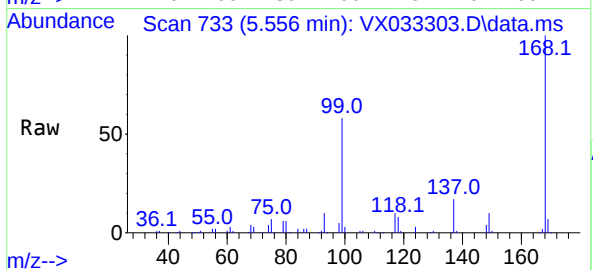
71 34.6 34.7 52.1#



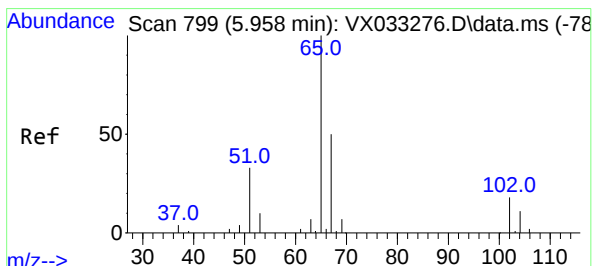
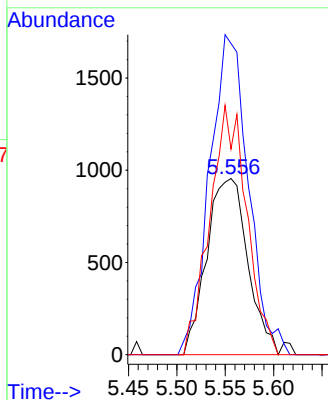
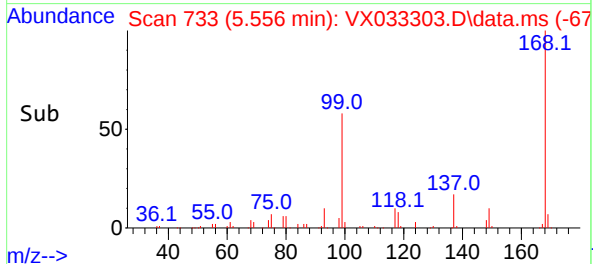


#31
Cyclohexane
Concen: 1.309 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

Instrument :
MSVOA_X
ClientSampleId :
MW-3RR

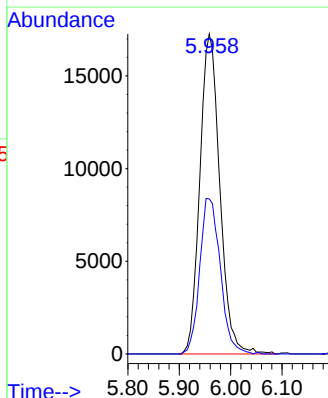
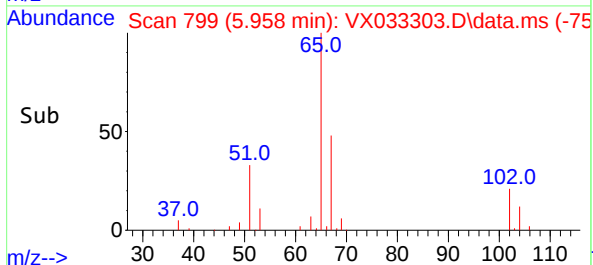
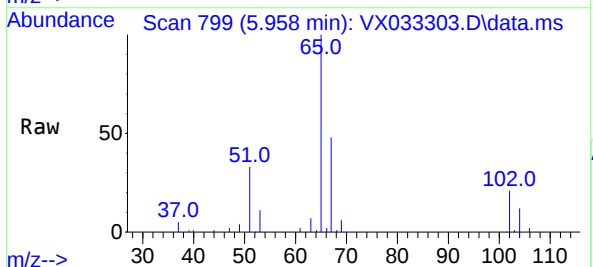


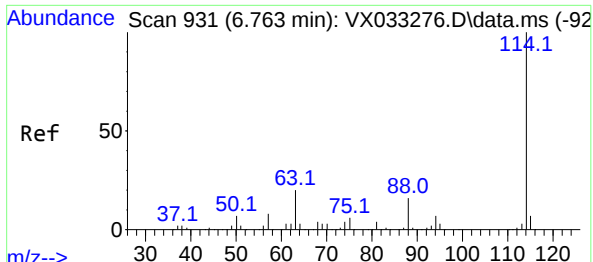
Tgt Ion: 56 Resp: 2818
Ion Ratio Lower Upper
56 100
69 176.6 24.1 36.1#
84 116.8 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 51.470 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

Tgt Ion: 65 Resp: 46616
Ion Ratio Lower Upper
65 100
67 50.0 0.0 101.8

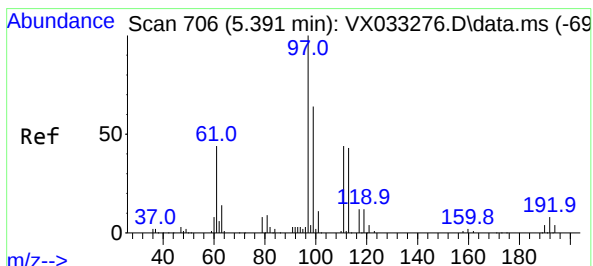
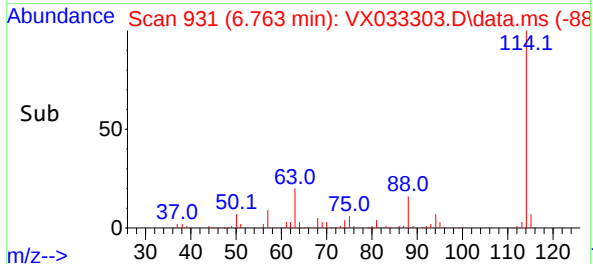
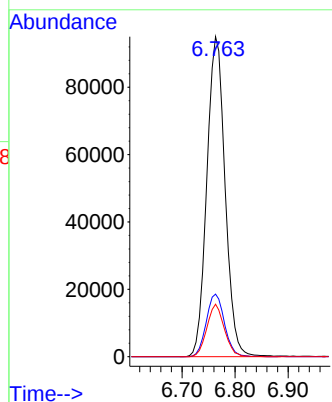
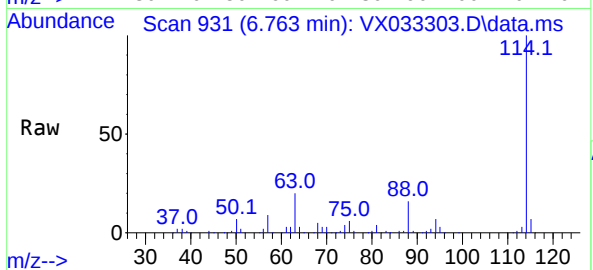




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

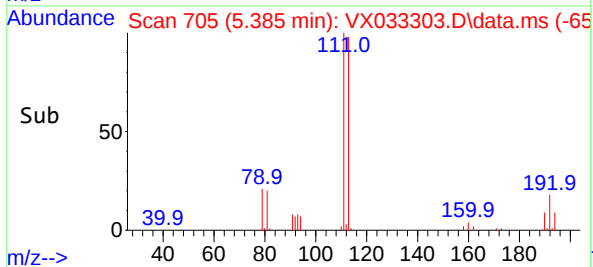
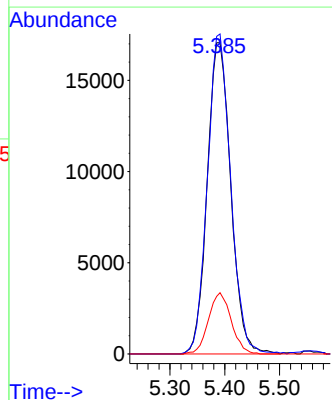
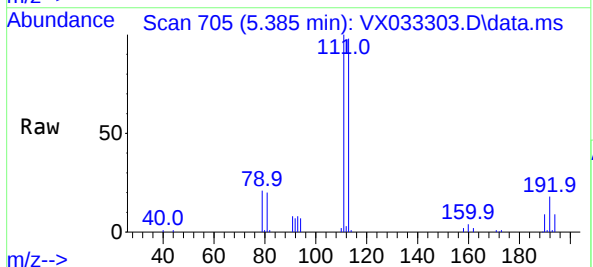
Instrument :
MSVOA_X
ClientSampleId :
MW-3RR

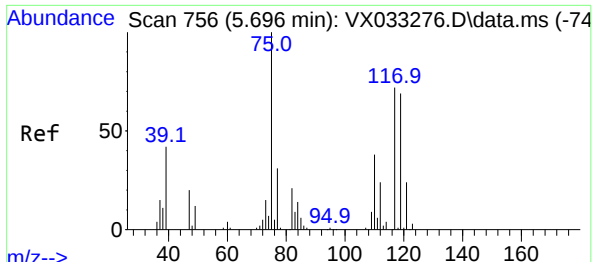
Tgt Ion:114 Resp: 227170
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.6
88 16.4 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.878 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

Tgt Ion:113 Resp: 50964
Ion Ratio Lower Upper
113 100
111 101.4 82.4 123.6
192 19.0 15.4 23.2

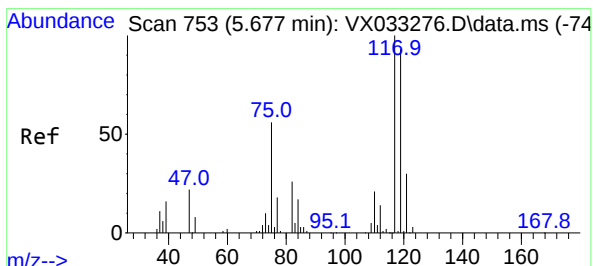
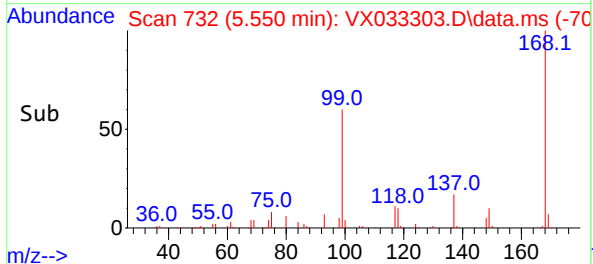
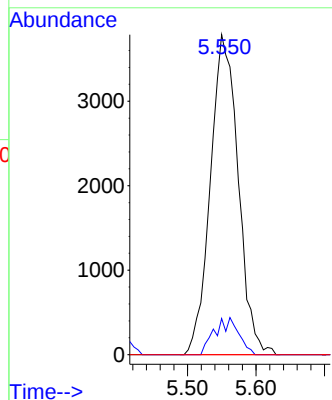
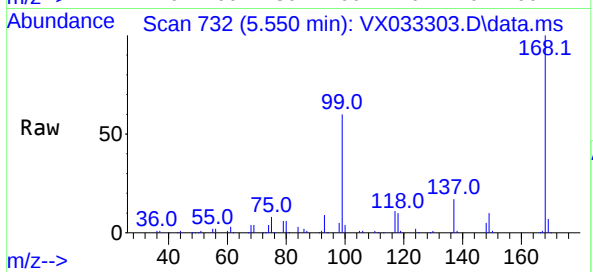




#36
1,1-Dichloropropene
Concen: 5.355 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

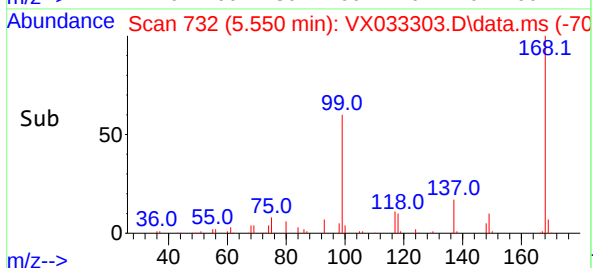
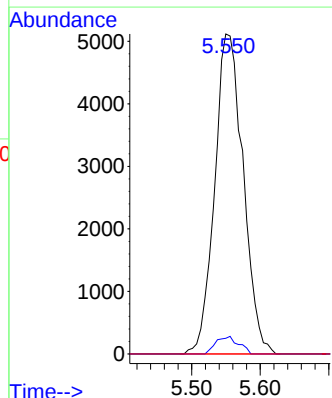
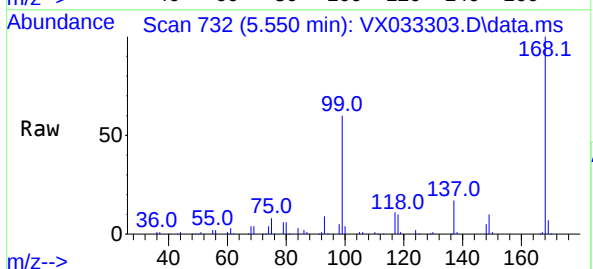
Instrument :
MSVOA_X
ClientSampleId :
MW-3RR

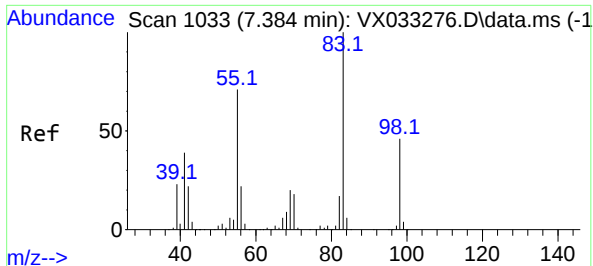
Tgt Ion: 75 Resp: 10667
Ion Ratio Lower Upper
75 100
110 10.0 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.610 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

Tgt Ion: 117 Resp: 14753
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 0.376 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX033303.D

Acq: 07 Dec 2022 23:47

Instrument :

MSVOA_X

ClientSampleId :

MW-3RR

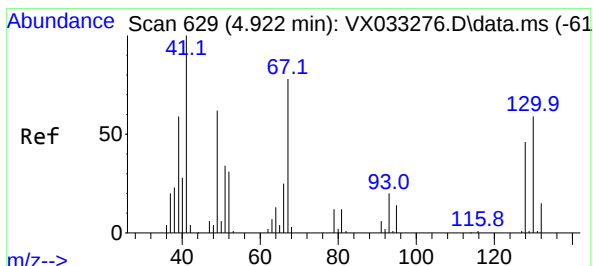
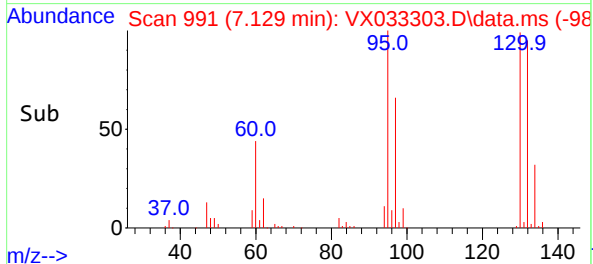
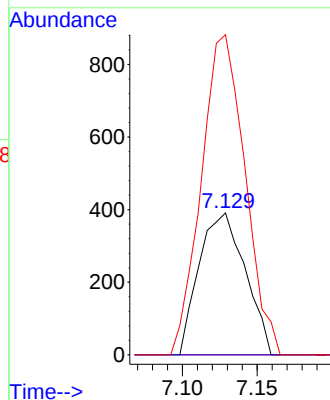
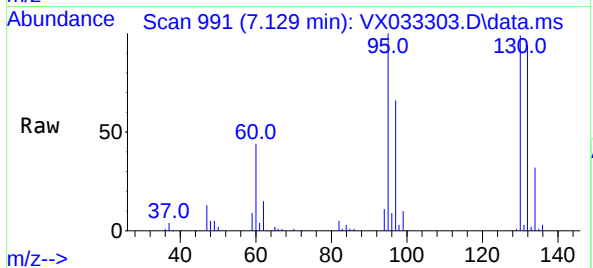
Tgt Ion: 83 Resp: 839

Ion Ratio Lower Upper

83 100

55 0.0 58.4 87.6#

98 225.6 37.2 55.8#



#41

Methacrylonitrile

Concen: 0.419 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.104 min

Lab File: VX033303.D

Acq: 07 Dec 2022 23:47

Tgt Ion: 41 Resp: 435

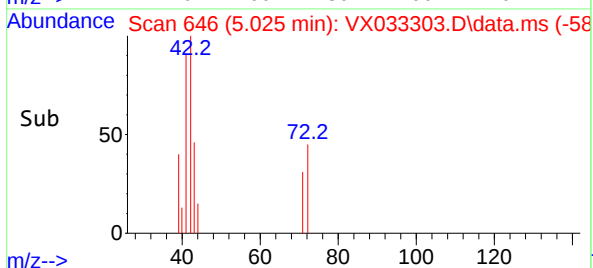
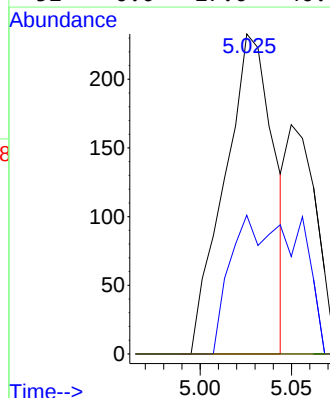
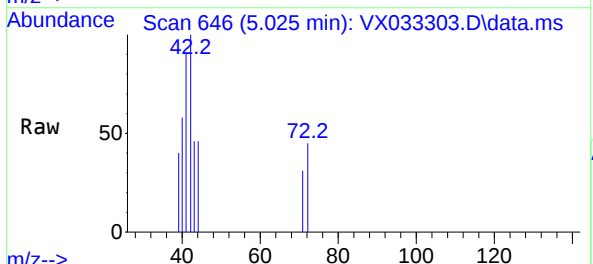
Ion Ratio Lower Upper

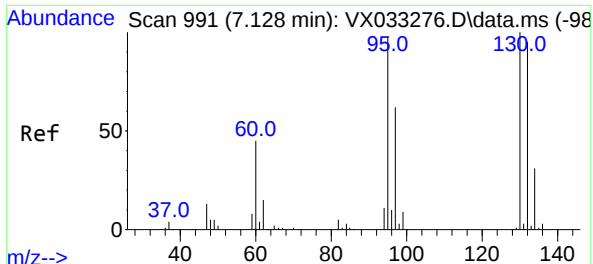
41 100

39 33.8 47.5 71.3#

67 0.0 60.5 90.7#

52 0.0 27.0 40.6#

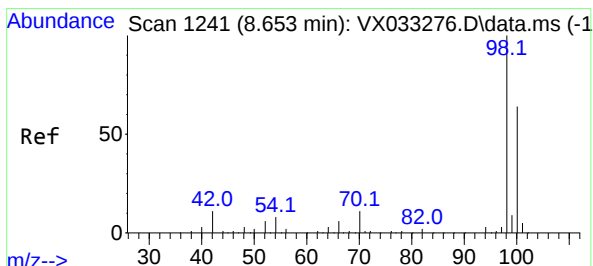
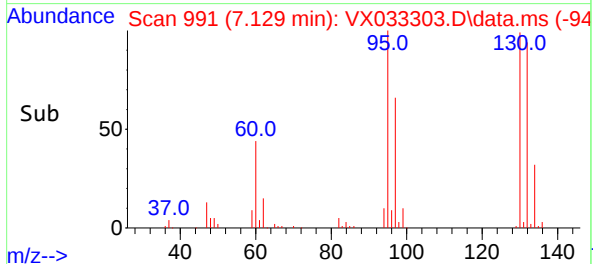
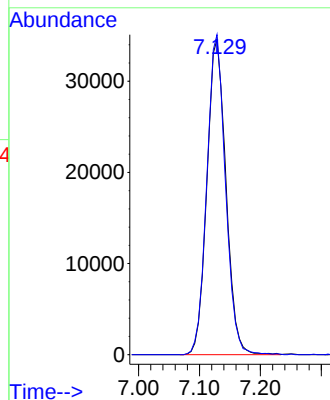
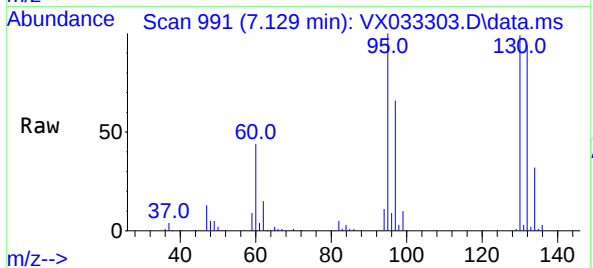




#44
Trichloroethene
Concen: 46.871 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

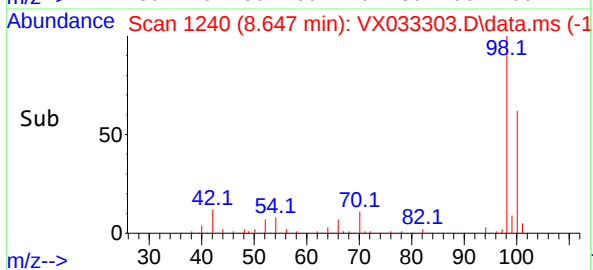
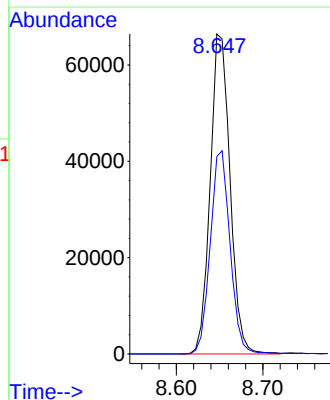
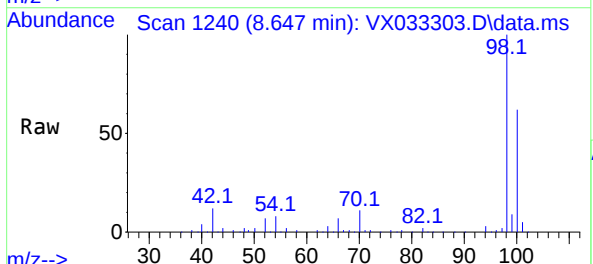
Instrument :
MSVOA_X
ClientSampleId :
MW-3RR

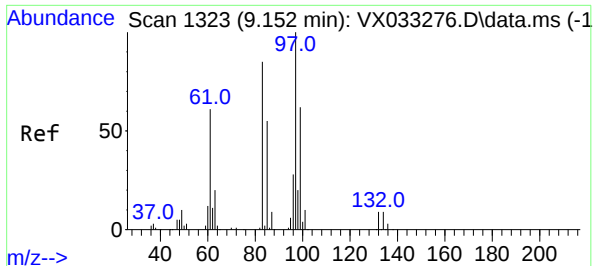
Tgt Ion:130 Resp: 75060
Ion Ratio Lower Upper
130 100
95 101.5 0.0 195.2



#50
Toluene-d8
Concen: 49.496 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

Tgt Ion: 98 Resp: 105797
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3





#55

1,1,2-Trichloroethane

Concen: 2.502 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.122 min

Lab File: VX033303.D

Acq: 07 Dec 2022 23:47

Instrument :

MSVOA_X

ClientSampleId :

MW-3RR

Tgt Ion: 97 Resp: 3949

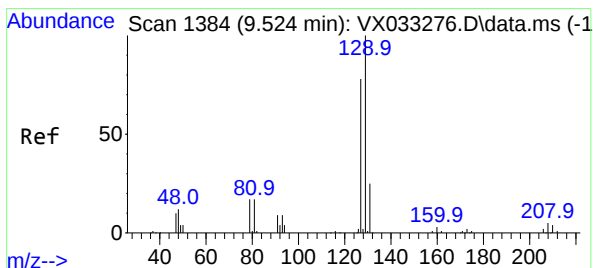
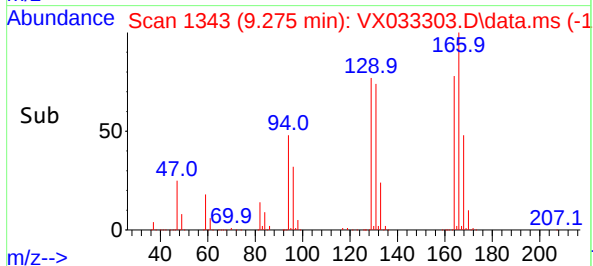
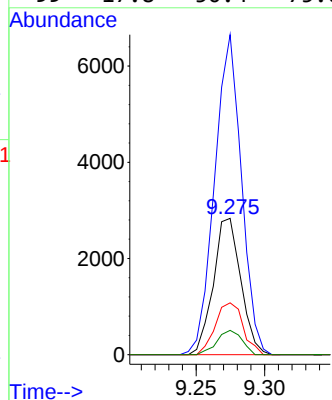
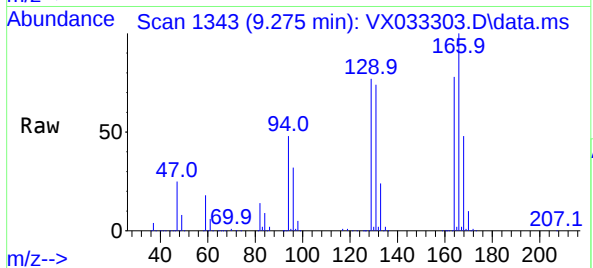
Ion Ratio Lower Upper

97 100

83 234.8 68.1 102.1#

85 38.1 43.3 64.9#

99 17.8 50.4 75.6#



#60

Dibromochloromethane

Concen: 243.029 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX033303.D

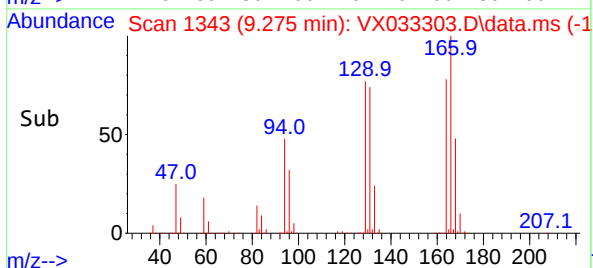
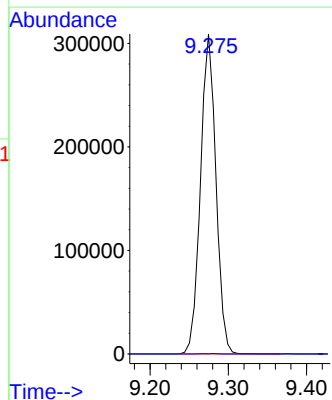
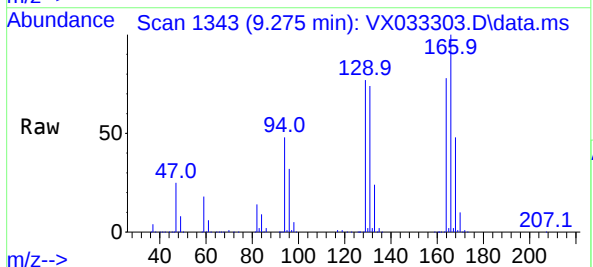
Acq: 07 Dec 2022 23:47

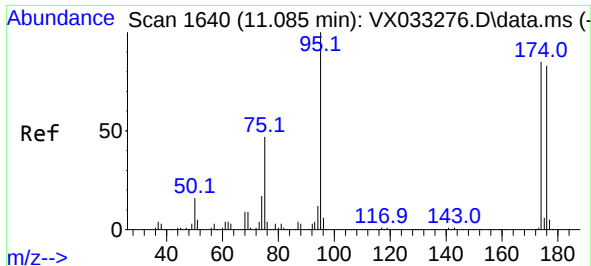
Tgt Ion:129 Resp: 422695

Ion Ratio Lower Upper

129 100

127 0.1 38.6 115.8#

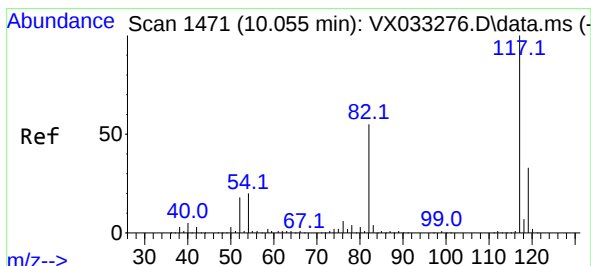
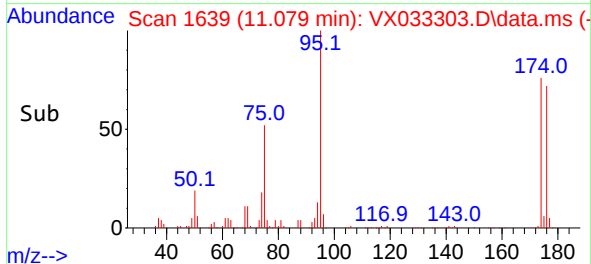
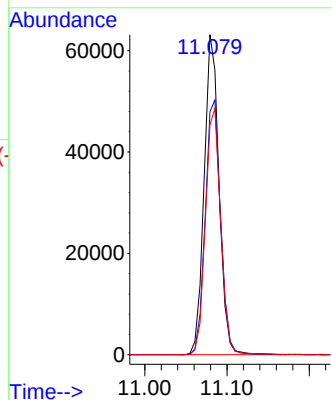
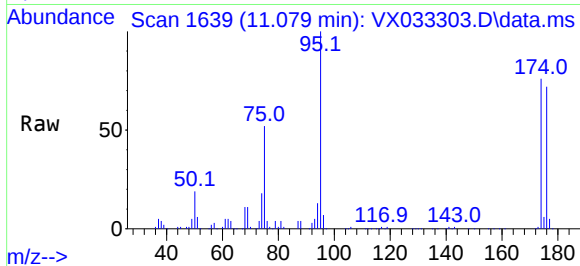




#62
4-Bromofluorobenzene
Concen: 48.594 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

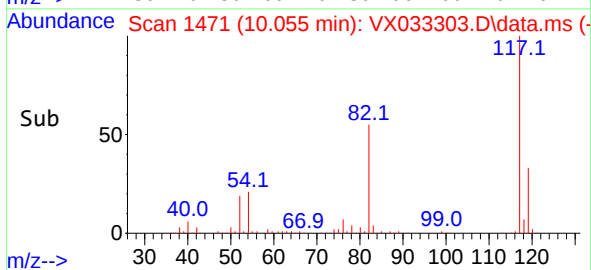
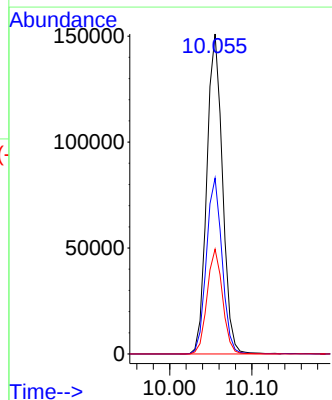
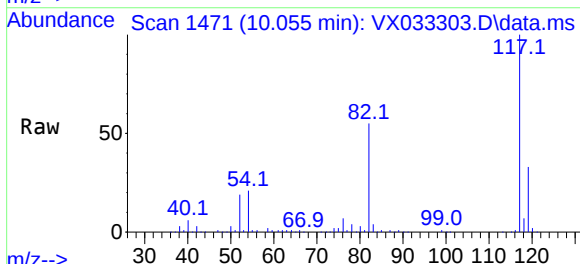
Instrument :
MSVOA_X
ClientSampleId :
MW-3RR

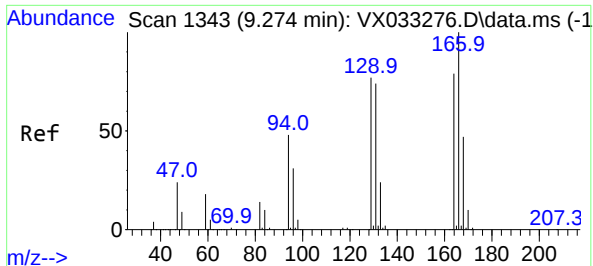
Tgt Ion: 95 Resp: 79420
Ion Ratio Lower Upper
95 100
174 82.5 0.0 164.0
176 78.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

Tgt Ion: 117 Resp: 200542
Ion Ratio Lower Upper
117 100
82 54.9 44.3 66.5
119 32.7 25.7 38.5



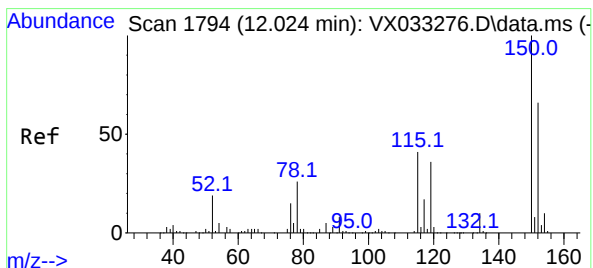
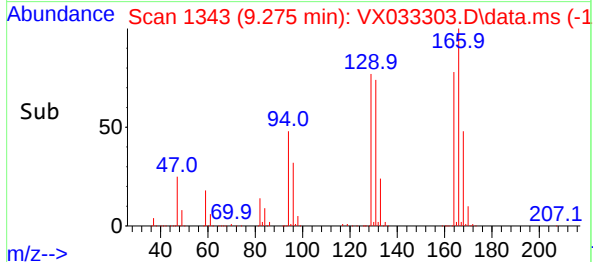
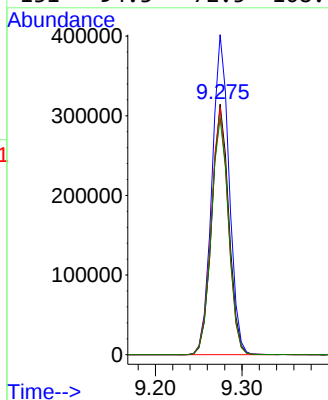
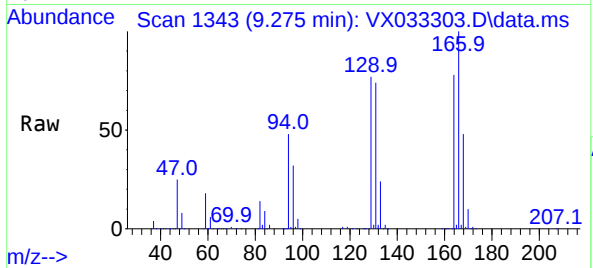


#64
Tetrachloroethene
Concen: 313.219 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

Instrument :
MSVOA_X
ClientSampleId :
MW-3RR

Tgt Ion:164 Resp: 429514

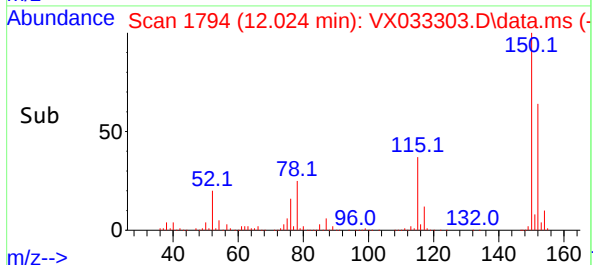
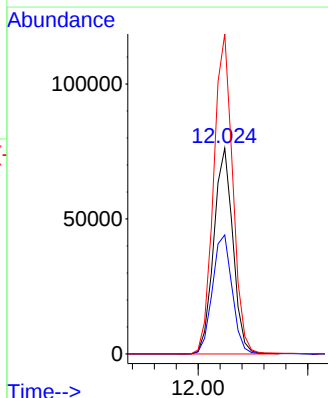
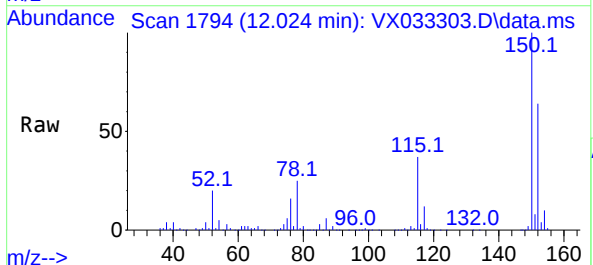
Ion	Ratio	Lower	Upper
164	100		
166	127.8	105.4	158.2
129	98.3	78.2	117.2
131	94.3	72.5	108.7

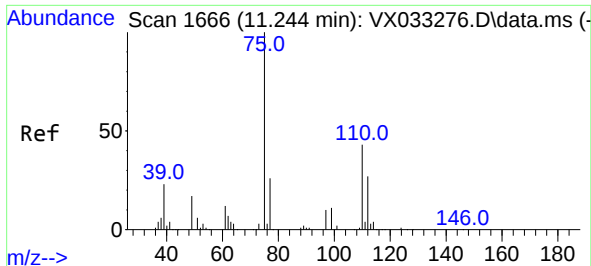


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

Tgt Ion:152 Resp: 92503

Ion	Ratio	Lower	Upper
152	100		
115	59.9	44.0	132.0
150	155.5	0.0	351.8

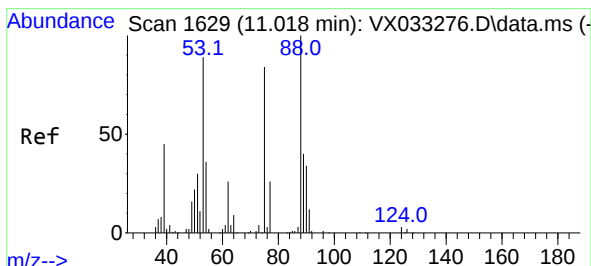
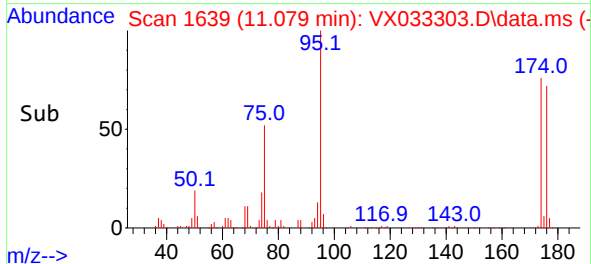
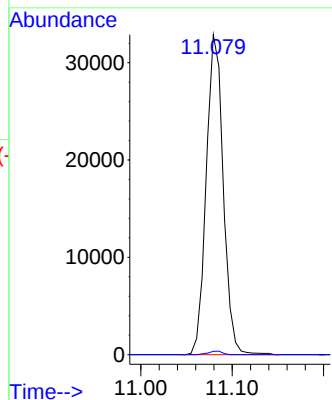
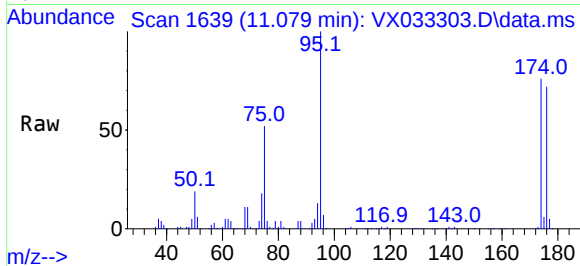




#76
1,2,3-Trichloropropane
Concen: 22.519 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

Instrument :
MSVOA_X
ClientSampleId :
MW-3RR

Tgt Ion: 75 Resp: 42381
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.050 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033303.D
Acq: 07 Dec 2022 23:47

Tgt Ion: 75 Resp: 42381
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

