

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120722\
 Data File : VX033306.D
 Acq On : 08 Dec 2022 00:56
 Operator : JC/MD
 Sample : N5906-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-28

Quant Time: Dec 08 01:46:17 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)

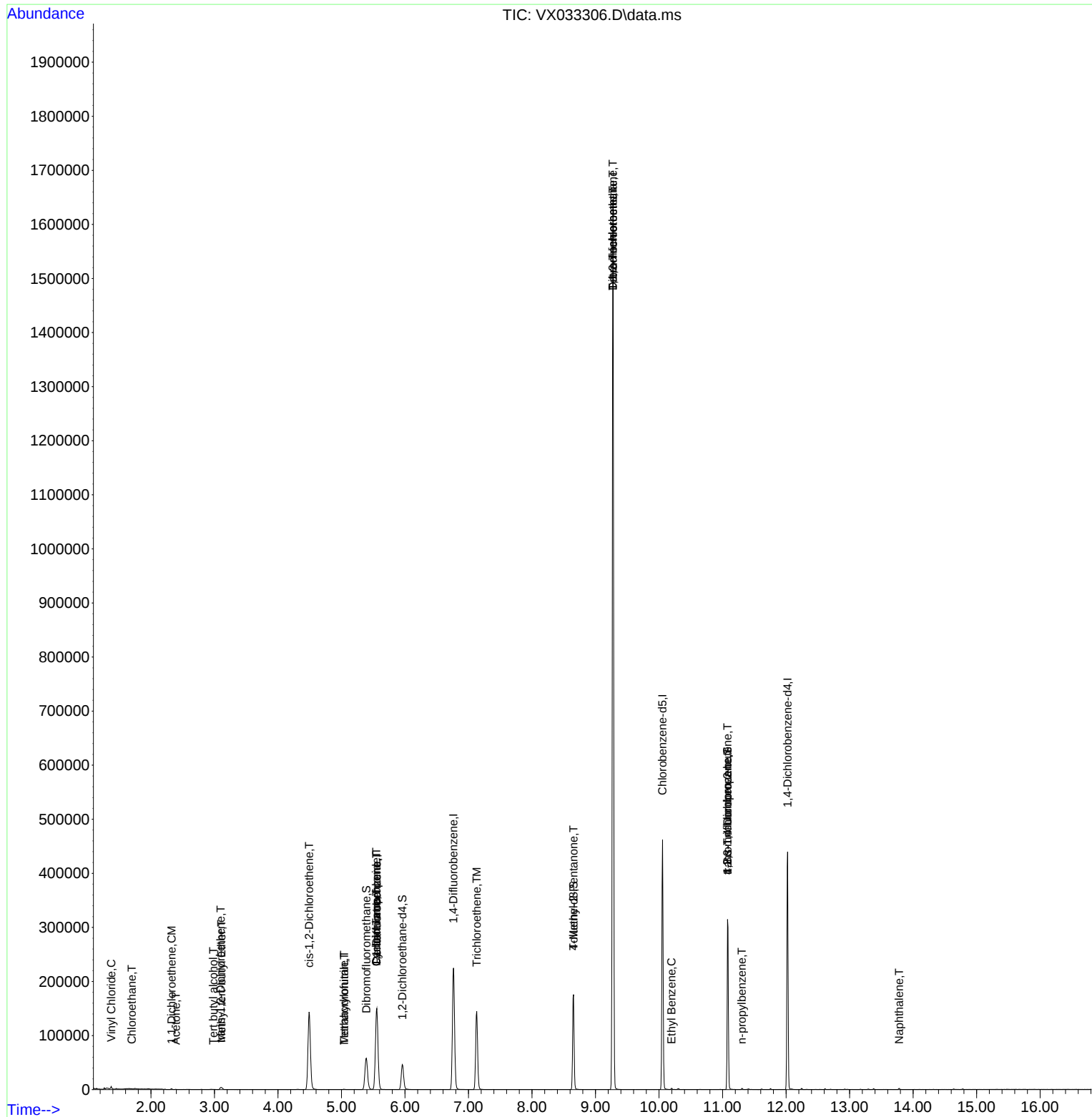
Internal Standards						
1) Pentafluorobenzene	5.556	168	143458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	232909	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48264	52.442	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.880%			
35) Dibromofluoromethane	5.391	113	51741	49.391	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.780%			
50) Toluene-d8	8.653	98	109220	49.838	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.680%			
62) 4-Bromofluorobenzene	11.079	95	82702	49.356	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.720%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	2329	1.760	ug/l #	71
6) Chloroethane	1.697	64	630	0.628	ug/l #	42
11) Tert butyl alcohol	2.983	59	547	1.944	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	523	0.402	ug/l	94
16) Acetone	2.392	43	537	0.789	ug/l #	75
19) Methyl tert-butyl Ether	3.111	73	2912	0.646	ug/l #	87
21) trans-1,2-Dichloroethene	3.099	96	925	0.650	ug/l #	91
27) cis-1,2-Dichloroethene	4.489	96	91807	53.996	ug/l	89
29) Tetrahydrofuran	5.044	42	460	0.726	ug/l #	56
31) Cyclohexane	5.550	56	2877	1.315	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10828	5.302	ug/l #	50
38) Carbon Tetrachloride	5.550	117	15018	6.563	ug/l #	15
41) Methacrylonitrile	5.044	41	244	0.229	ug/l #	35
44) Trichloroethene	7.129	130	55974	34.092	ug/l	97
51) 4-Methyl-2-Pentanone	8.653	43	446	0.227	ug/l #	1
55) 1,1,2-Trichloroethane	9.275	97	2748	1.698	ug/l #	13
60) Dibromochloromethane	9.275	129	287692	161.333	ug/l #	11
64) Tetrachloroethene	9.275	164	295611	209.106	ug/l	98
67) Ethyl Benzene	10.195	91	1719	0.236	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	44023	22.907	ug/l #	37
78) n-propylbenzene	11.305	91	1584	0.207	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	44023	71.256	ug/l #	6
95) Naphthalene	13.780	128	1878	0.298	ug/l	95

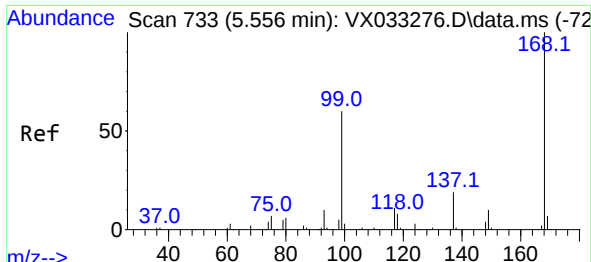
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration

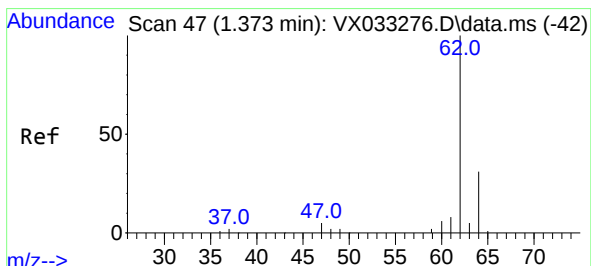
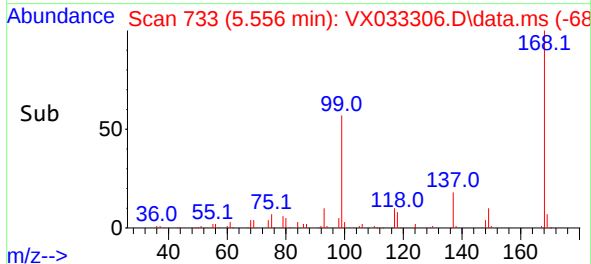
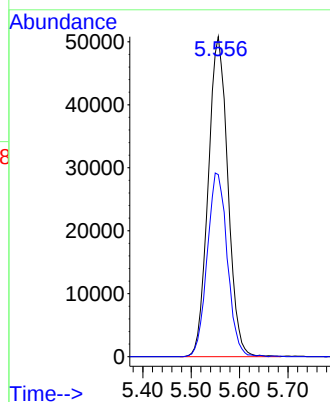
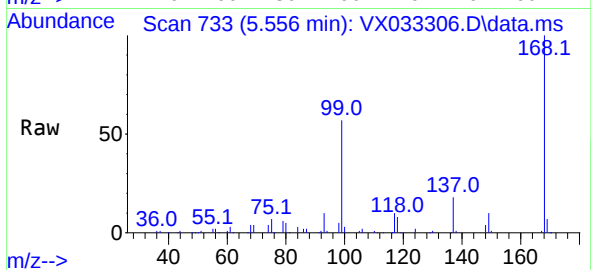




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

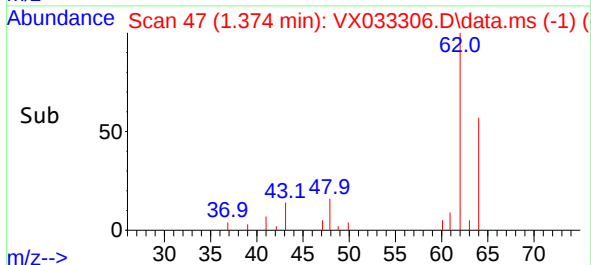
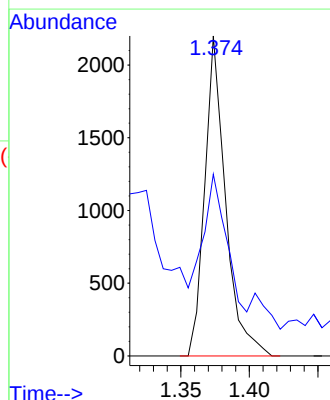
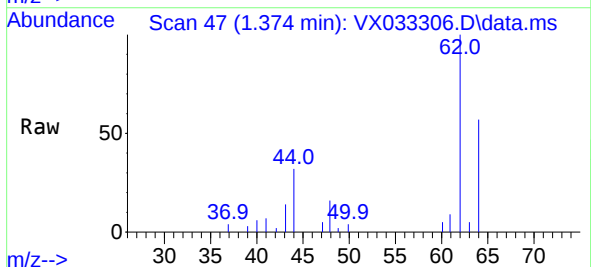
Instrument :
MSVOA_X
ClientSampleId :
MW-28

Tgt Ion:168 Resp: 143458
Ion Ratio Lower Upper
168 100
99 56.9 46.1 69.1

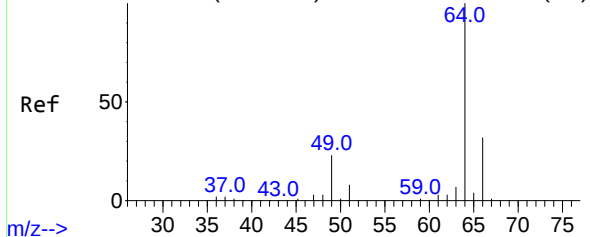


#4
Vinyl Chloride
Concen: 1.760 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

Tgt Ion: 62 Resp: 2329
Ion Ratio Lower Upper
62 100
64 48.5 25.8 38.6#



Abundance Scan 99 (1.690 min): VX033276.D\data.ms (-91)

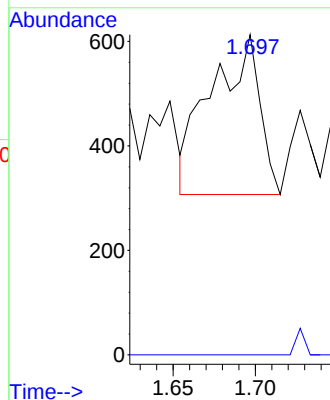
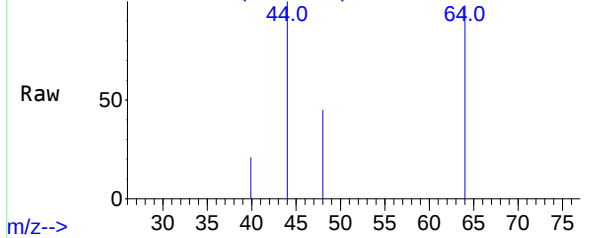


#6
Chloroethane
Concen: 0.628 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.006 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

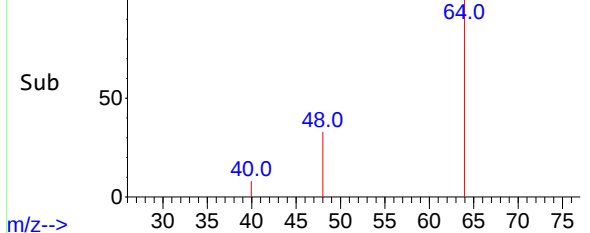
Instrument :
MSVOA_X
ClientSampleId :
MW-28

Tgt Ion: 64 Resp: 630
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#

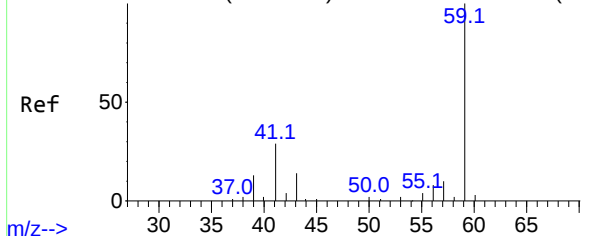
Abundance Scan 100 (1.697 min): VX033306.D\data.ms



Abundance Scan 100 (1.697 min): VX033306.D\data.ms (-50)



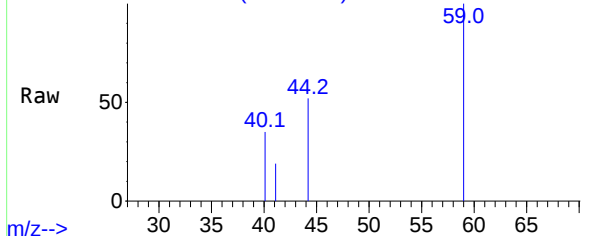
Abundance Scan 313 (2.995 min): VX033276.D\data.ms (-29)



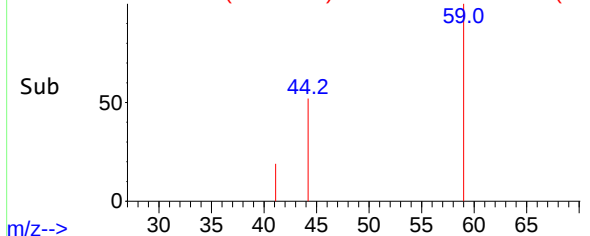
#11
Tert butyl alcohol
Concen: 1.944 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.012 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

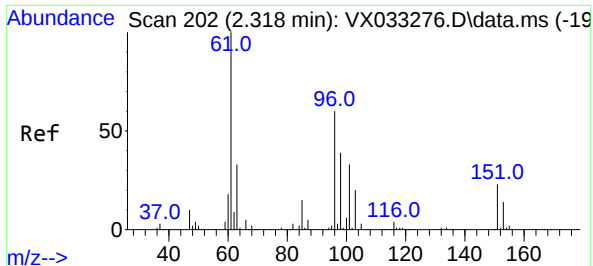
Tgt Ion: 59 Resp: 547
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

Abundance Scan 311 (2.983 min): VX033306.D\data.ms



Abundance Scan 311 (2.983 min): VX033306.D\data.ms (-26)

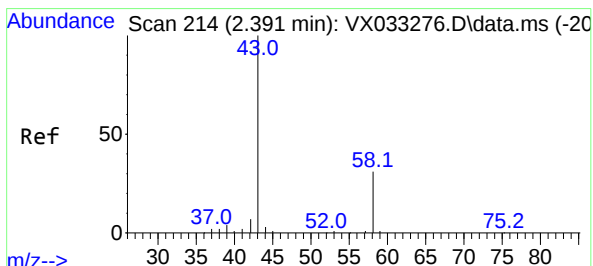
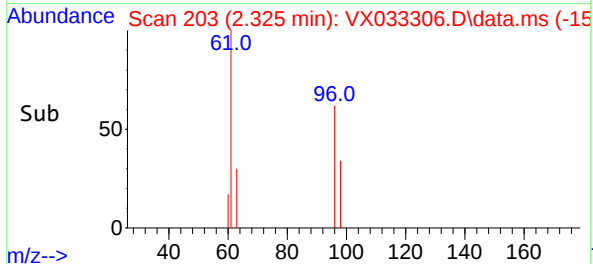
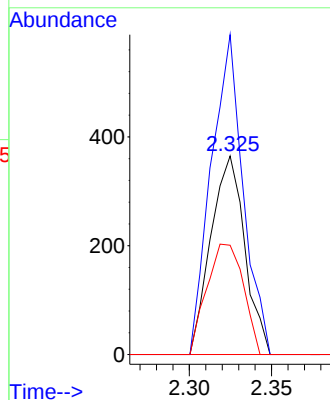
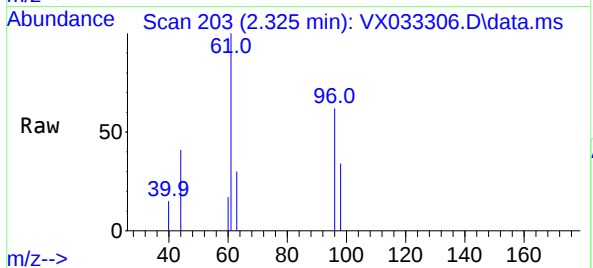




#12
1,1-Dichloroethene
Concen: 0.402 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

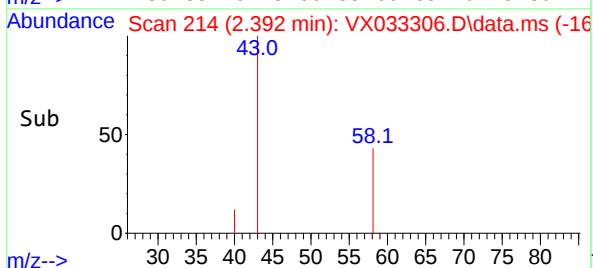
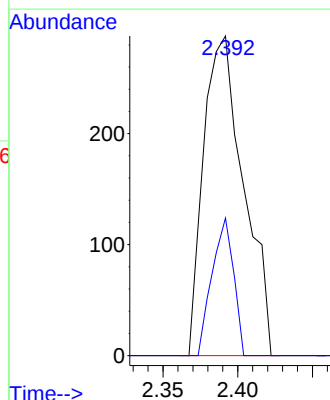
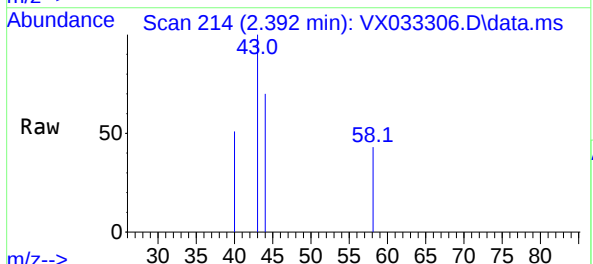
Instrument :
MSVOA_X
ClientSampleId :
MW-28

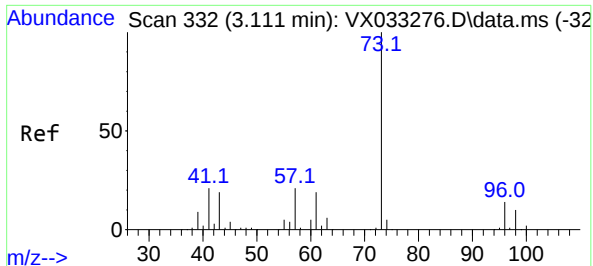
Tgt Ion: 96 Resp: 523
Ion Ratio Lower Upper
96 100
61 161.1 125.1 187.7
98 55.1 50.6 76.0



#16
Acetone
Concen: 0.789 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
58 43.1 23.8 35.8#

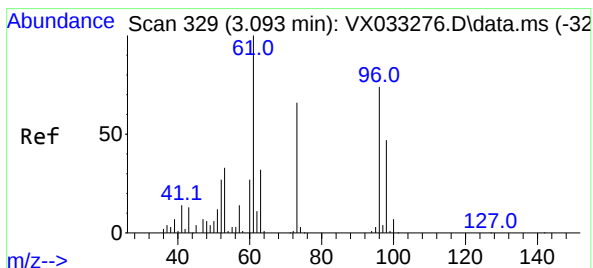
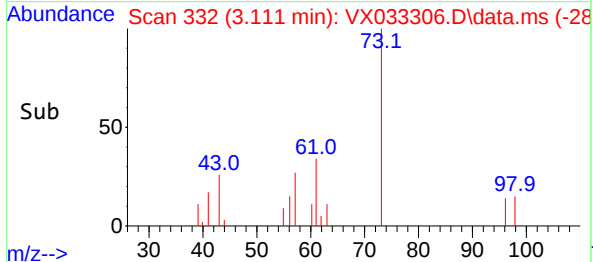
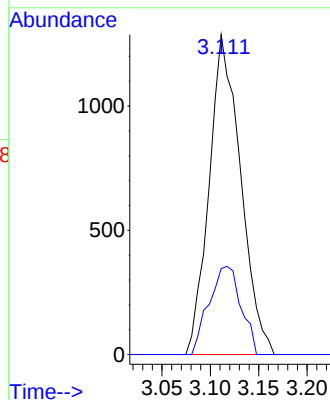
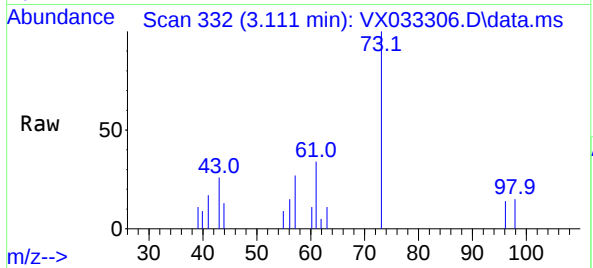




#19
Methyl tert-butyl Ether
Concen: 0.646 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

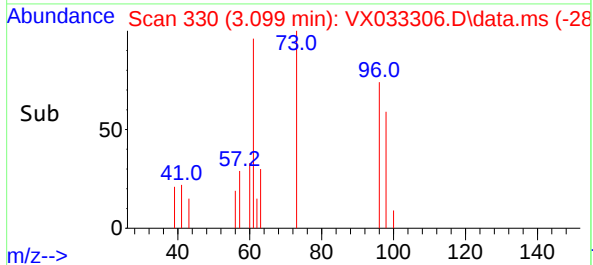
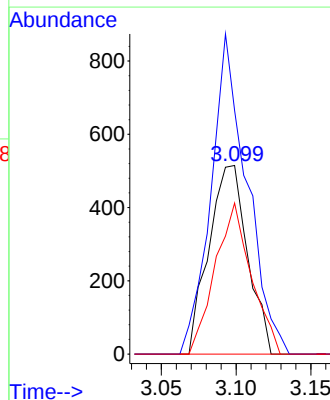
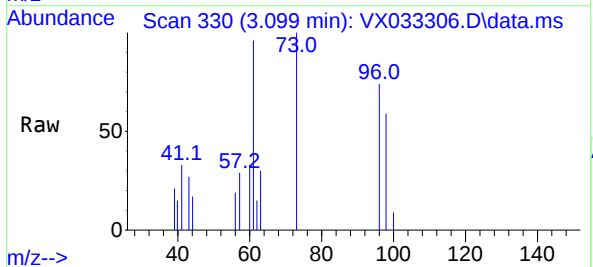
Instrument :
MSVOA_X
ClientSampleId :
MW-28

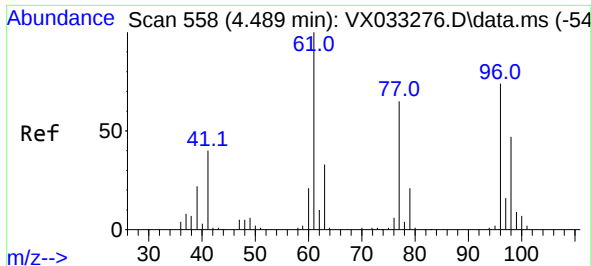
Tgt Ion: 73 Resp: 2912
Ion Ratio Lower Upper
73 100
57 26.9 16.6 25.0#



#21
trans-1,2-Dichloroethene
Concen: 0.650 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

Tgt Ion: 96 Resp: 925
Ion Ratio Lower Upper
96 100
61 129.1 106.6 160.0
98 80.0 51.0 76.6#

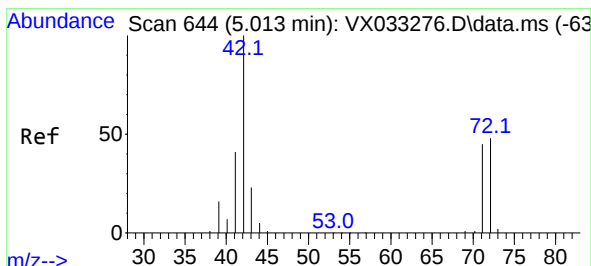
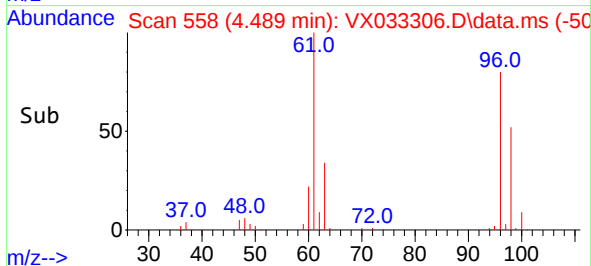
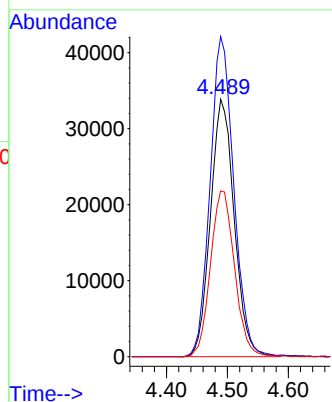
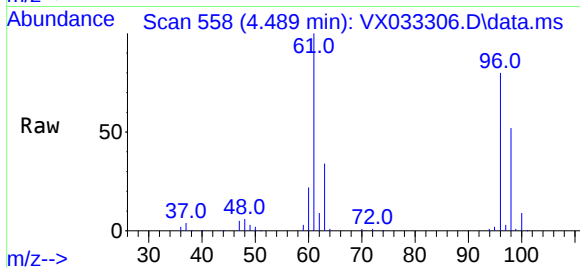




#27
cis-1,2-Dichloroethene
Concen: 53.996 ug/l
RT: 4.489 min Scan# 511
Delta R.T. 0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

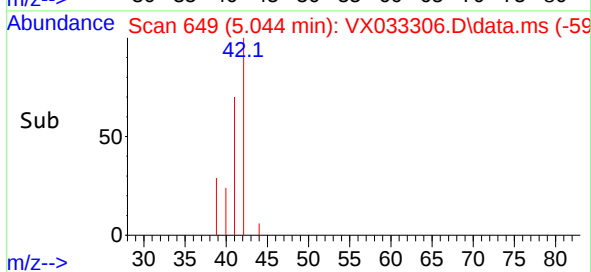
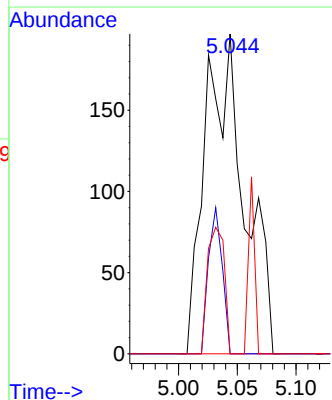
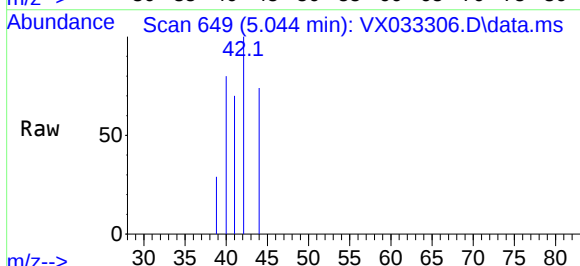
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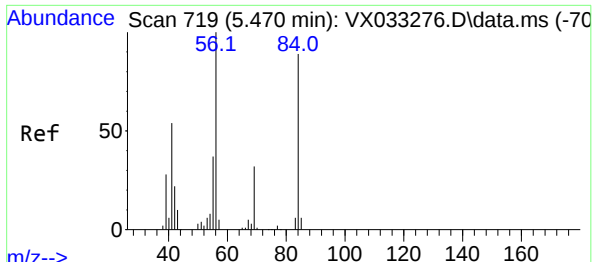
Tgt Ion:	96	Resp:	91807
Ion	Ratio	Lower	Upper
96	100		
61	124.1	0.0	286.0
98	65.3	0.0	129.6



#29
Tetrahydrofuran
Concen: 0.726 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

Tgt Ion:	42	Resp:	460
Ion	Ratio	Lower	Upper
42	100		
72	15.9	37.6	56.4#
71	17.0	34.7	52.1#

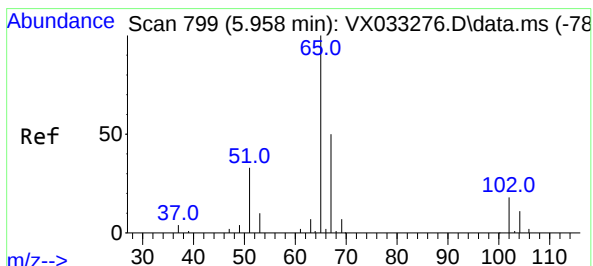
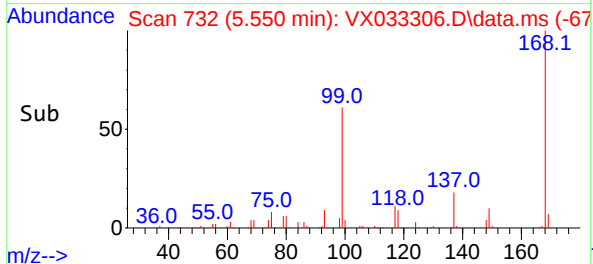
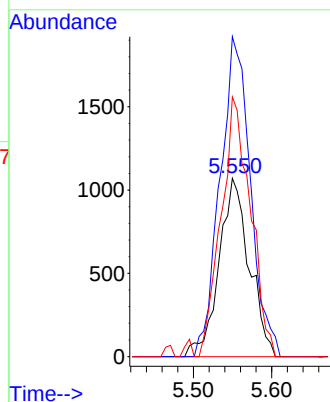
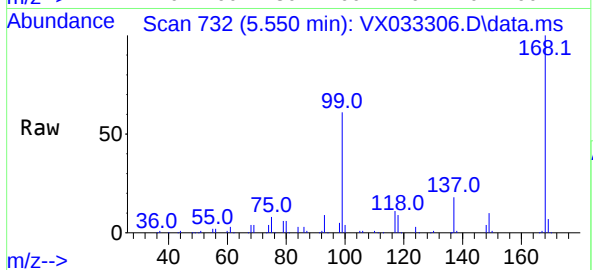




#31
Cyclohexane
Concen: 1.315 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

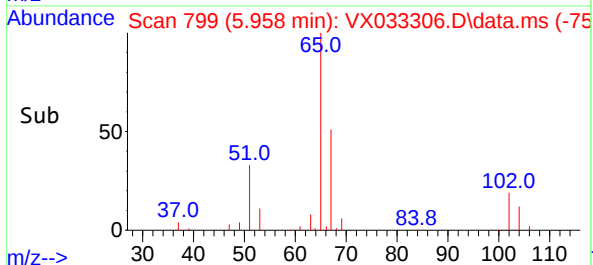
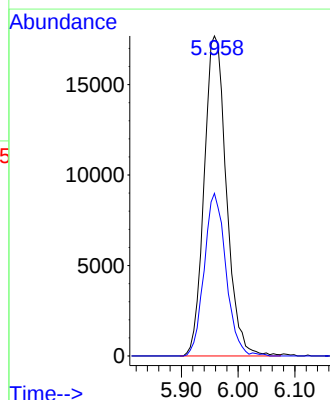
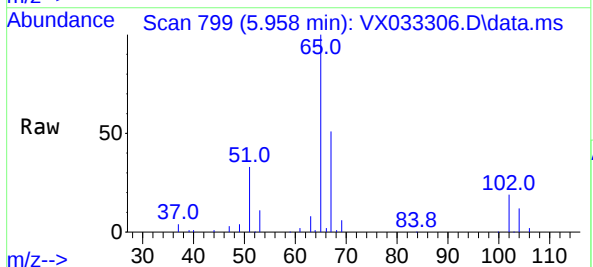
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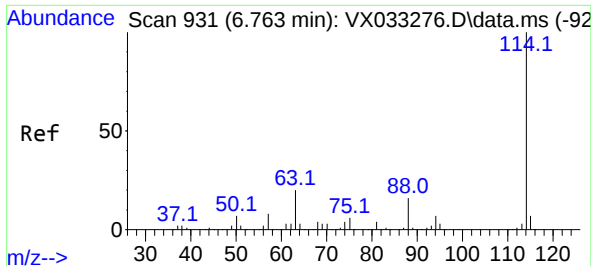
Tgt Ion: 56 Resp: 2877
Ion Ratio Lower Upper
56 100
69 179.4 24.1 36.1#
84 145.7 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 52.442 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

Tgt Ion: 65 Resp: 48264
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.8

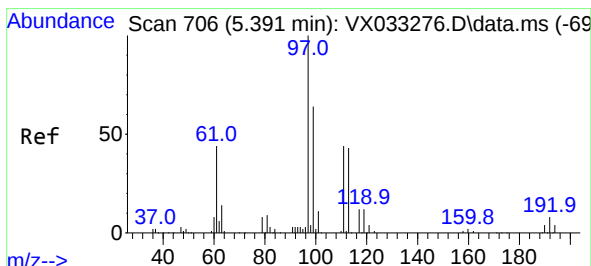
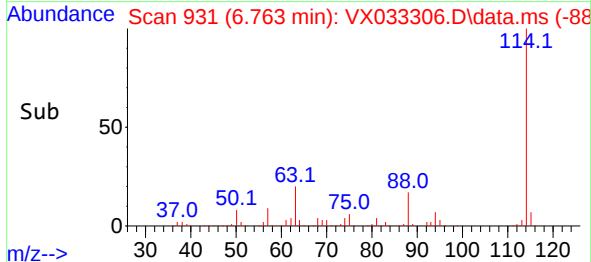
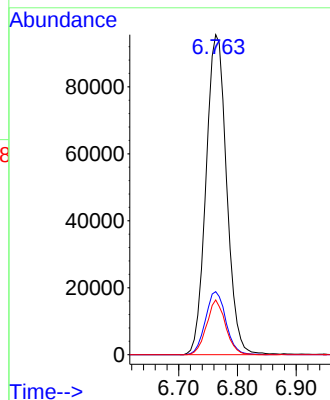
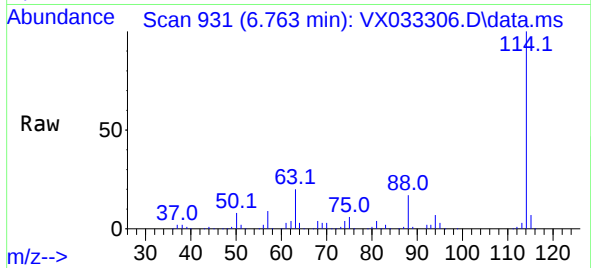




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

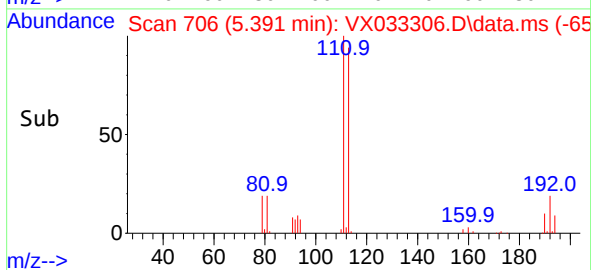
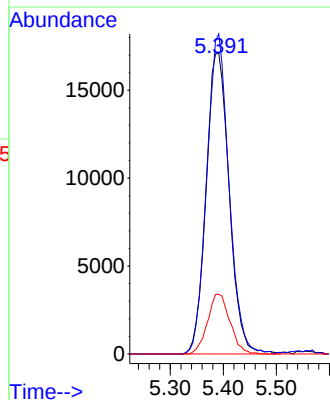
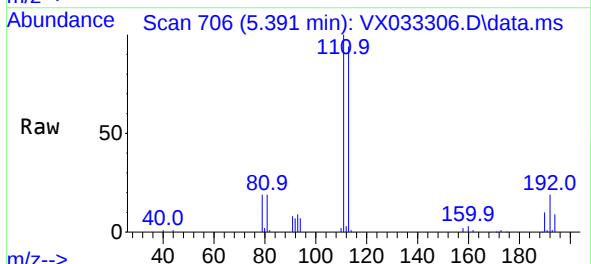
Instrument :
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ClientSampleId :
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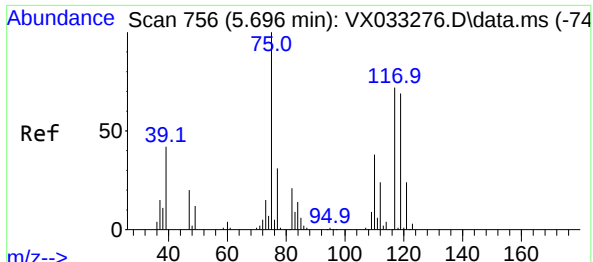
Tgt Ion:114 Resp: 232909
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.6
88 17.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.391 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

Tgt Ion:113 Resp: 51741
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 19.3 15.4 23.2

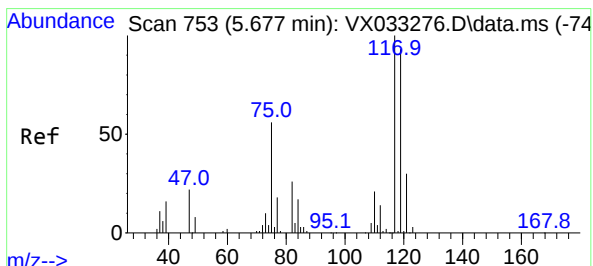
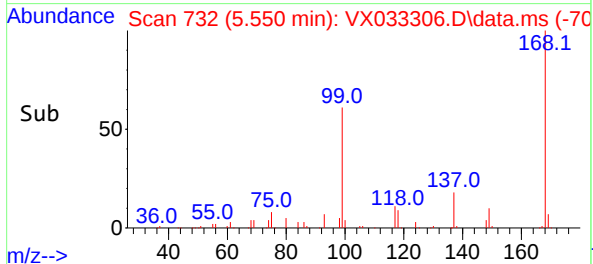
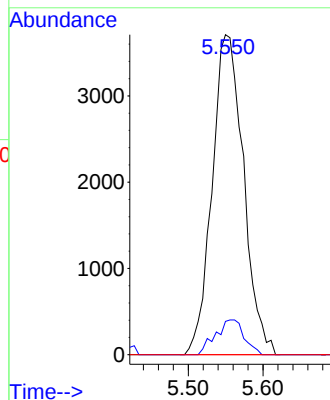
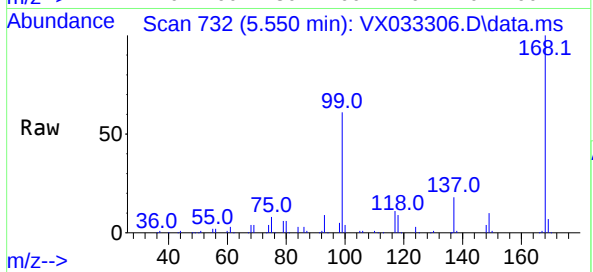




#36
1,1-Dichloropropene
Concen: 5.302 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

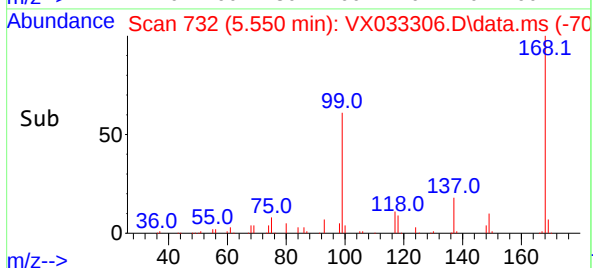
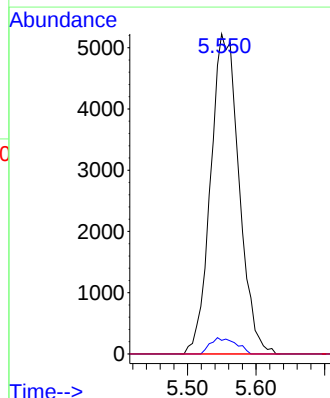
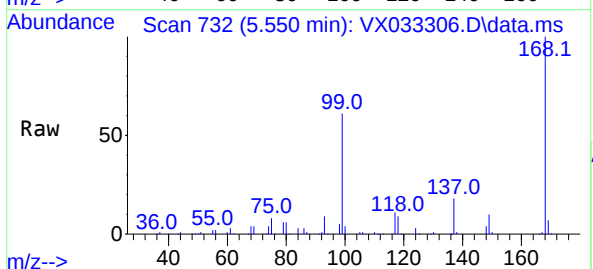
Instrument :
MSVOA_X
ClientSampleId :
MW-28

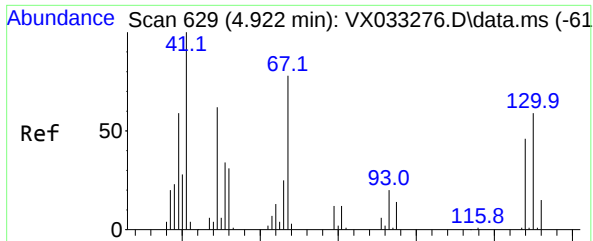
Tgt Ion: 75 Resp: 10828
Ion Ratio Lower Upper
75 100
110 9.9 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.563 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

Tgt Ion: 117 Resp: 15018
Ion Ratio Lower Upper
117 100
119 4.3 77.2 115.8#
121 0.0 25.8 38.6#

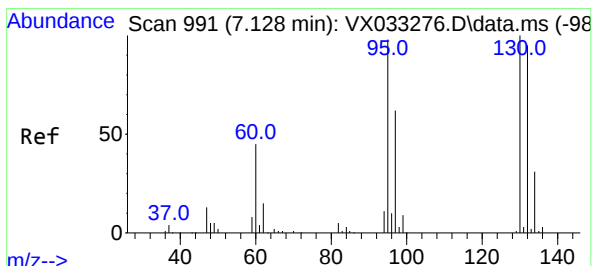
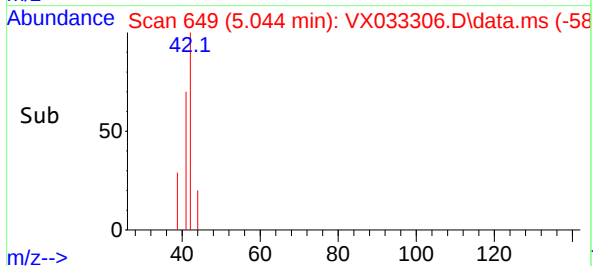
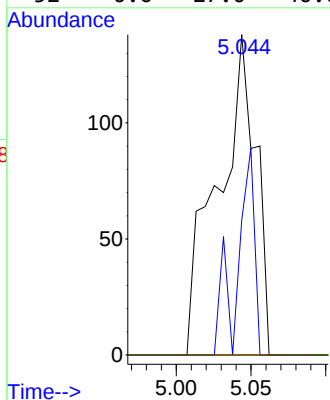
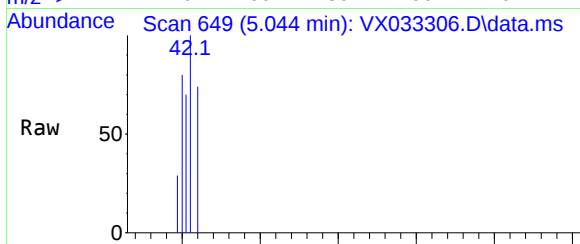




#41
Methacrylonitrile
Concen: 0.229 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

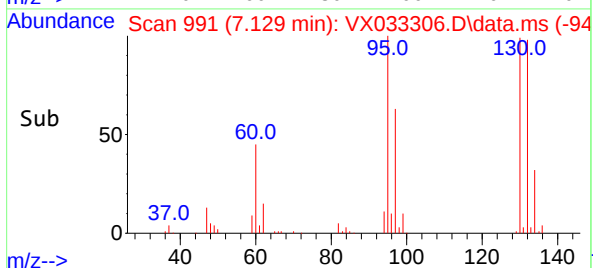
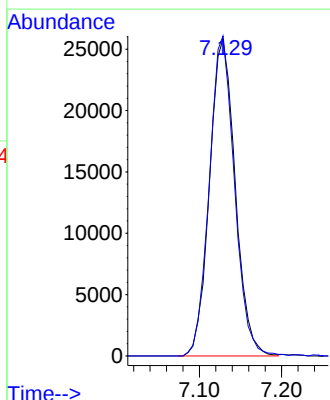
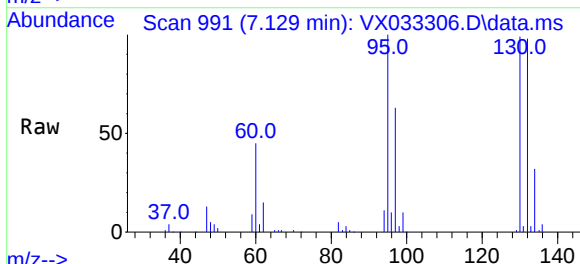
Instrument :
MSVOA_X
ClientSampleId :
MW-28

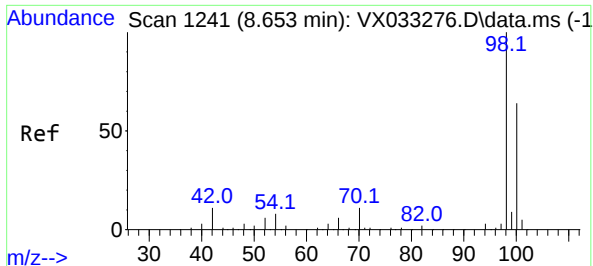
Tgt Ion: 41 Resp: 244
Ion Ratio Lower Upper
41 100
39 29.5 47.5 71.3#
67 0.0 60.5 90.7#
52 0.0 27.0 40.6#



#44
Trichloroethene
Concen: 34.092 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

Tgt Ion:130 Resp: 55974
Ion Ratio Lower Upper
130 100
95 100.9 0.0 195.2





#50

Toluene-d8

Concen: 49.838 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX033306.D

Acq: 08 Dec 2022 00:56

Instrument :

MSVOA_X

ClientSampleId :

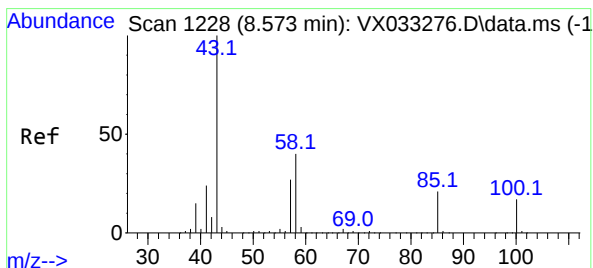
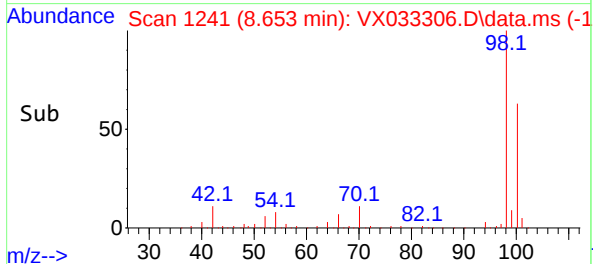
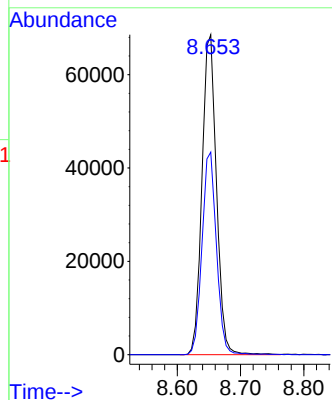
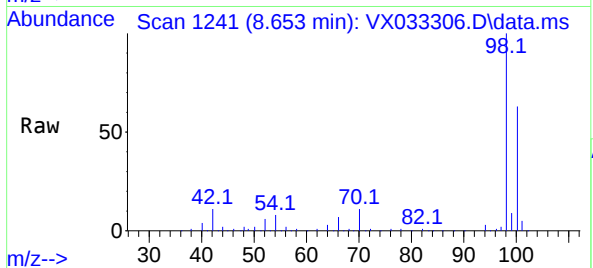
MW-28

Tgt Ion: 98 Resp: 109220

Ion Ratio Lower Upper

98 100

100 63.0 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.227 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.080 min

Lab File: VX033306.D

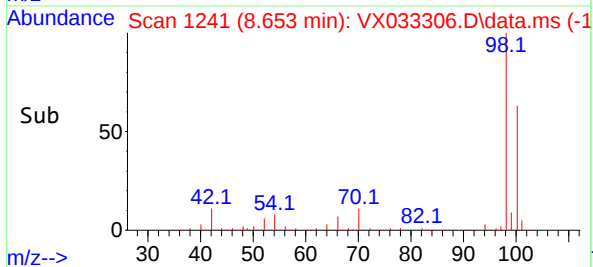
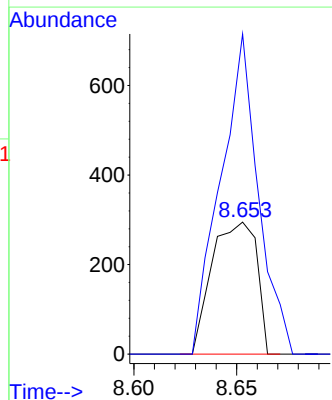
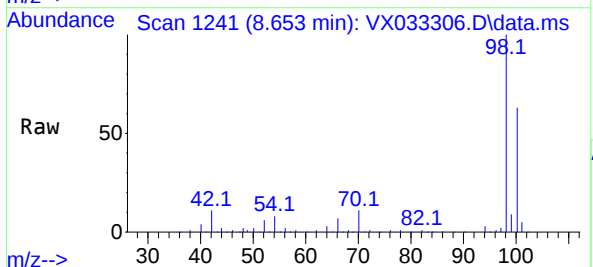
Acq: 08 Dec 2022 00:56

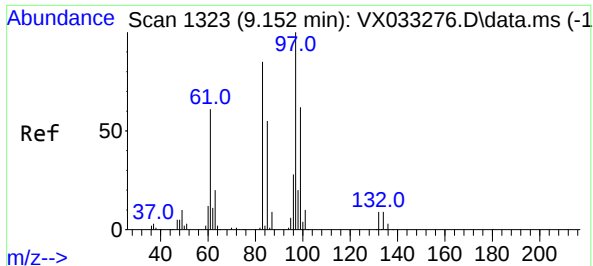
Tgt Ion: 43 Resp: 446

Ion Ratio Lower Upper

43 100

58 204.7 30.9 46.3#

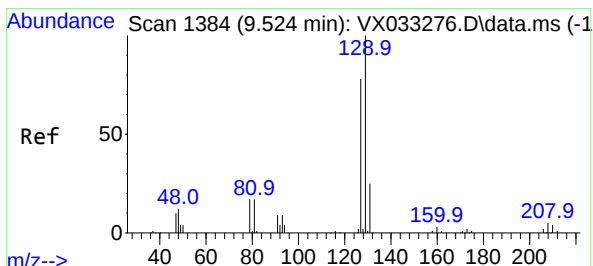
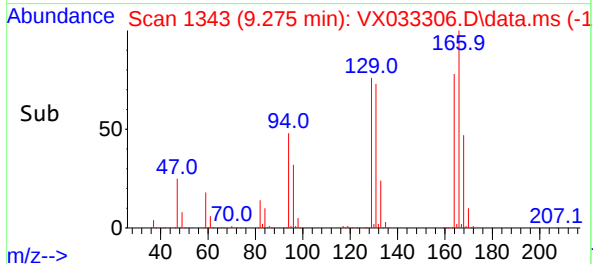
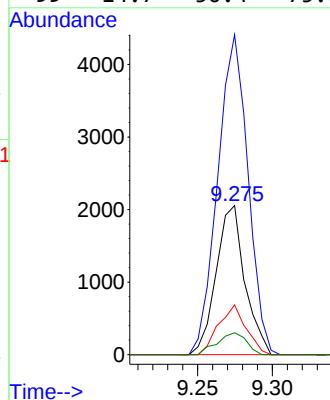
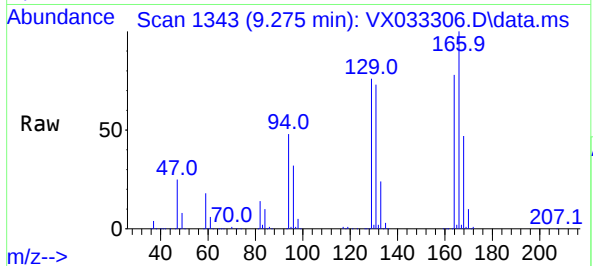




#55
1,1,2-Trichloroethane
Concen: 1.698 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.122 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

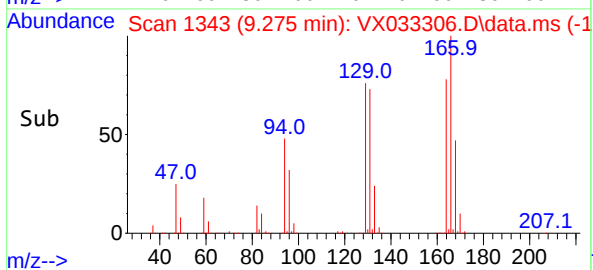
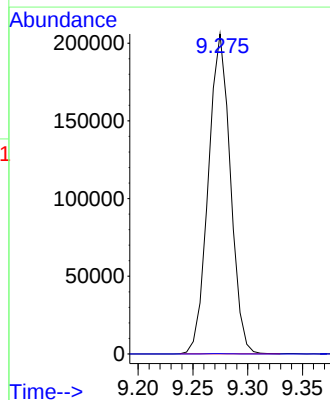
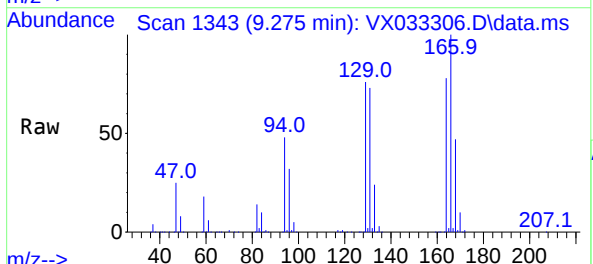
Instrument :
MSVOA_X
ClientSampleId :
MW-28

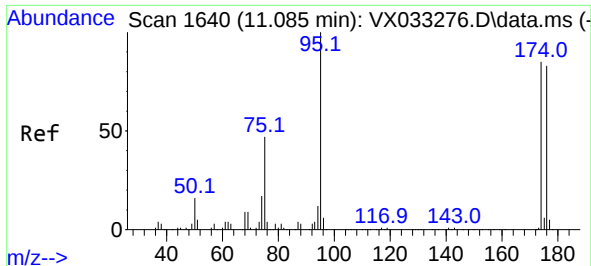
Tgt Ion: 97	Resp: 2748
Ion Ratio	Lower Upper
97 100	
83 214.6	68.1 102.1#
85 33.4	43.3 64.9#
99 14.7	50.4 75.6#



#60
Dibromochloromethane
Concen: 161.333 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

Tgt	Ion:129	Resp:	287692
Ion	Ratio	Lower	Upper
129	100		
127	0.1	38.6	115.8#

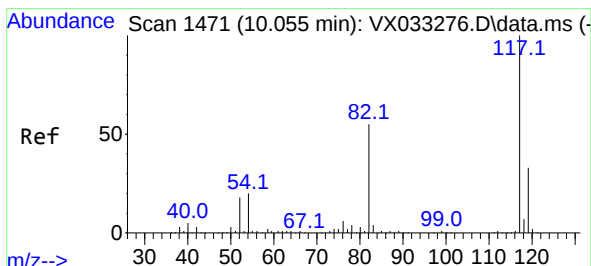
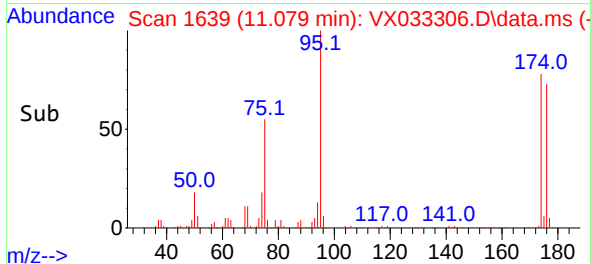
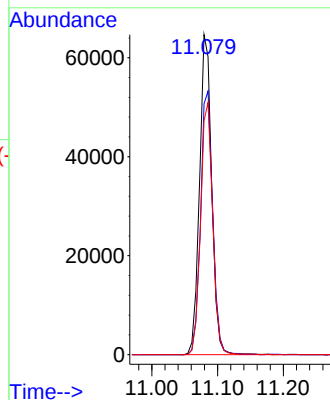
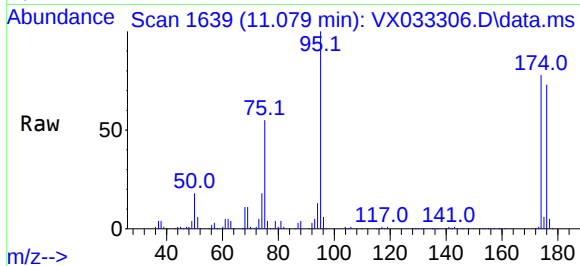




#62
4-Bromofluorobenzene
Concen: 49.356 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

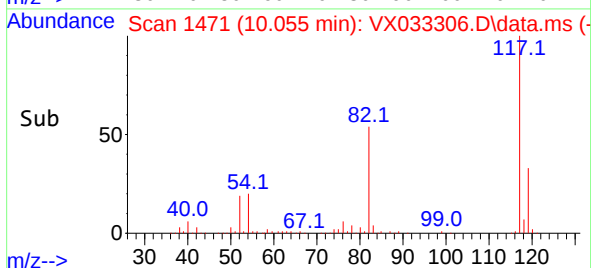
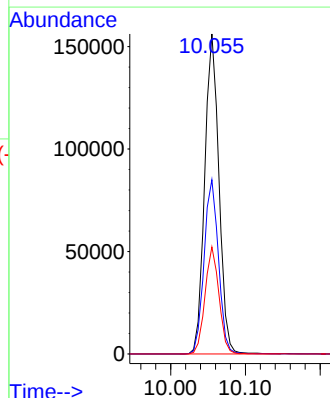
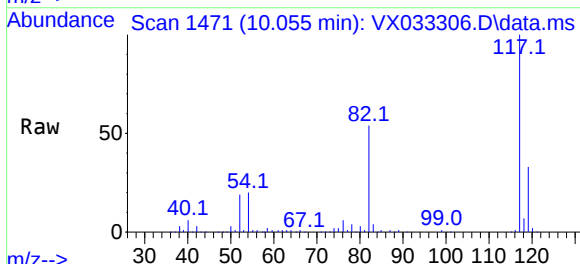
Instrument :
MSVOA_X
ClientSampleId :
MW-28

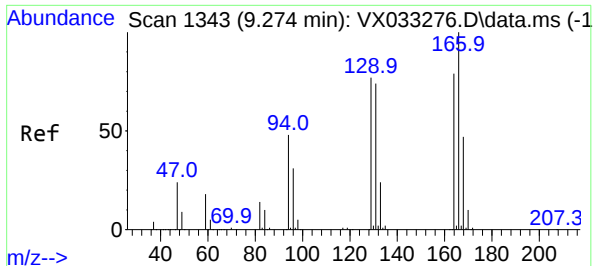
Tgt Ion: 95 Resp: 82702
Ion Ratio Lower Upper
95 100
174 82.6 0.0 164.0
176 78.4 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

Tgt Ion: 117 Resp: 206743
Ion Ratio Lower Upper
117 100
82 54.5 44.3 66.5
119 33.5 25.7 38.5

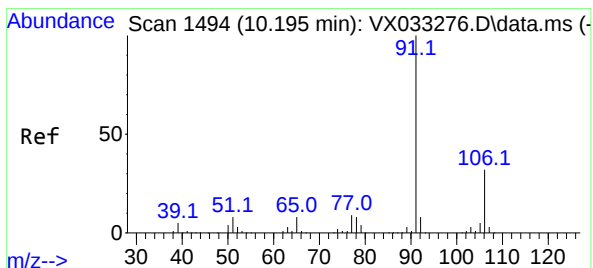
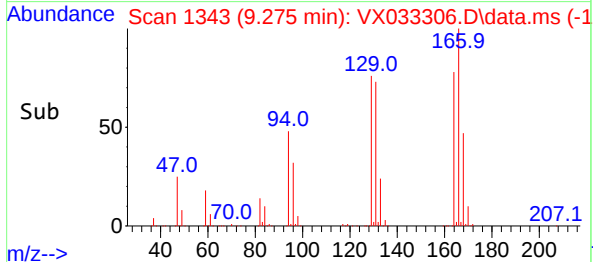
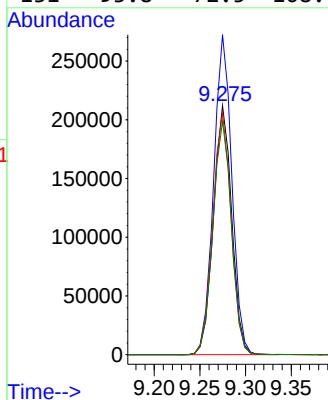
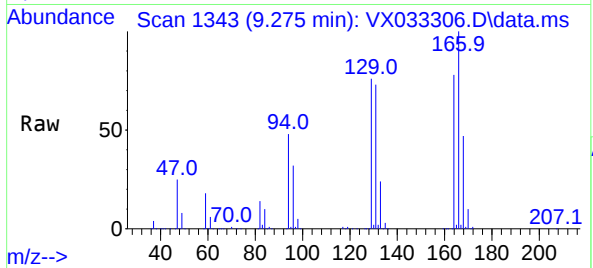




#64
Tetrachloroethene
Concen: 209.106 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

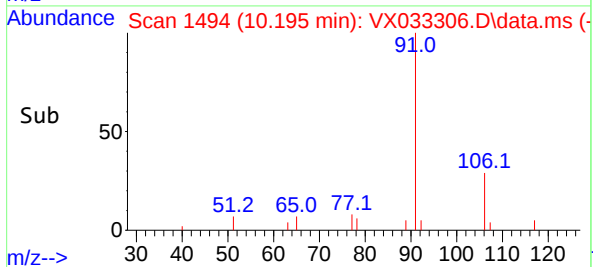
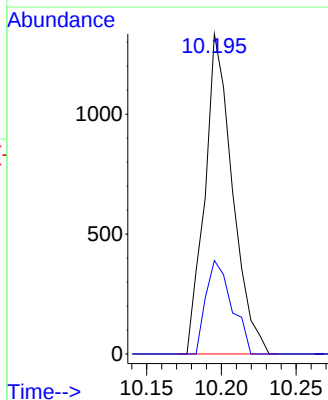
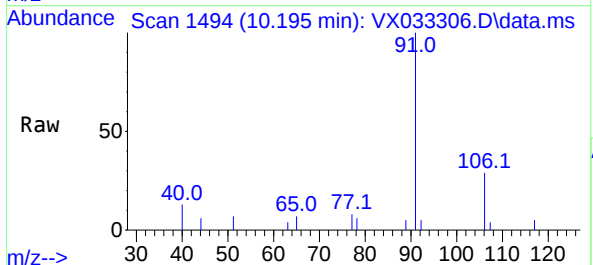
Instrument :
MSVOA_X
ClientSampleId :
MW-28

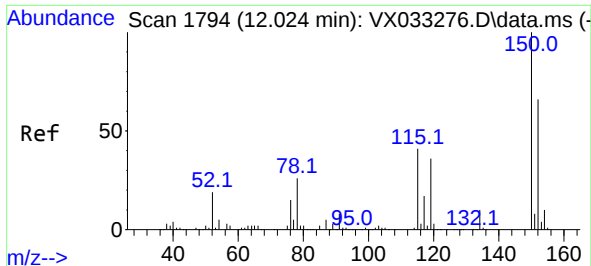
Tgt Ion:164 Resp: 295611
Ion Ratio Lower Upper
164 100
166 128.6 105.4 158.2
129 97.2 78.2 117.2
131 93.8 72.5 108.7



#67
Ethyl Benzene
Concen: 0.236 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

Tgt Ion: 91 Resp: 1719
Ion Ratio Lower Upper
91 100
106 29.2 25.0 37.6

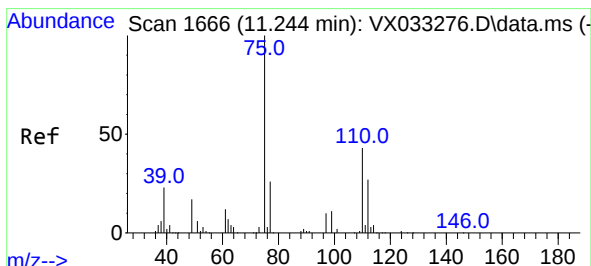
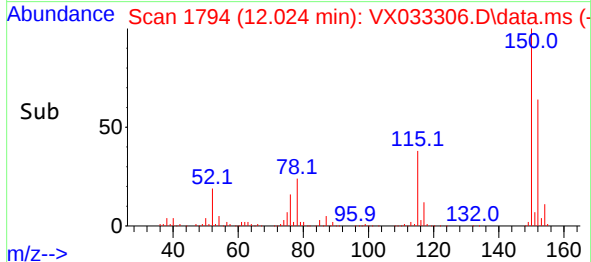
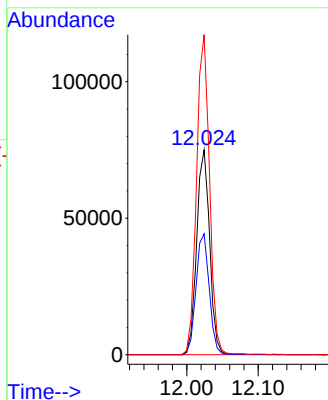
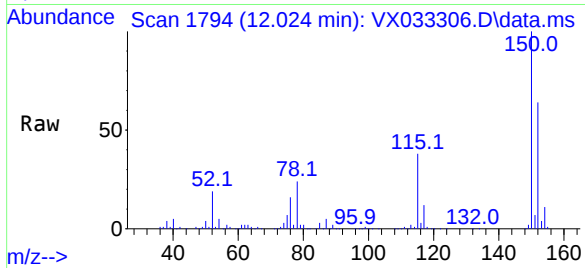




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

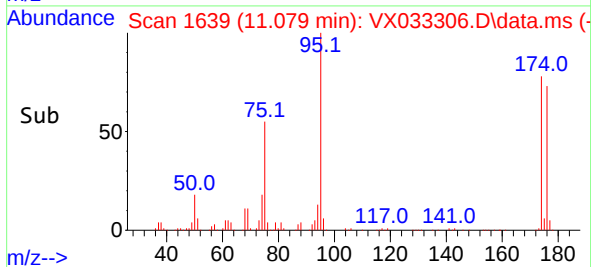
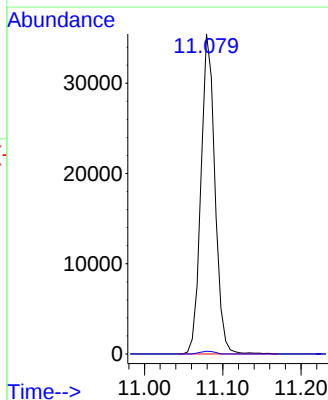
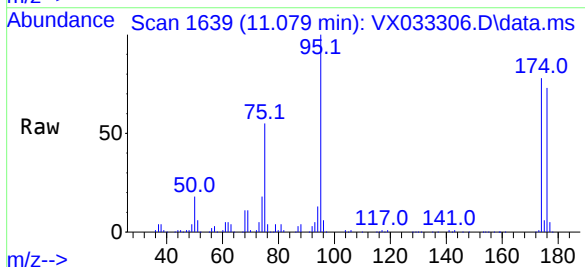
Instrument :
MSVOA_X
ClientSampleId :
MW-28

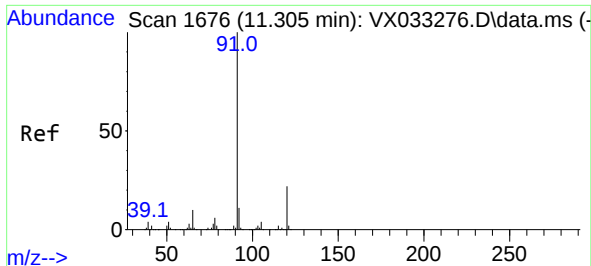
Tgt Ion:152 Resp: 94461
Ion Ratio Lower Upper
152 100
115 60.0 44.0 132.0
150 155.6 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 22.907 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

Tgt Ion: 75 Resp: 44023
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#

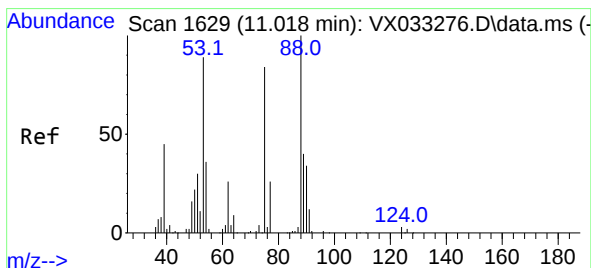
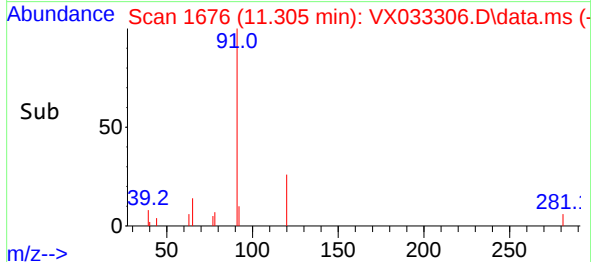
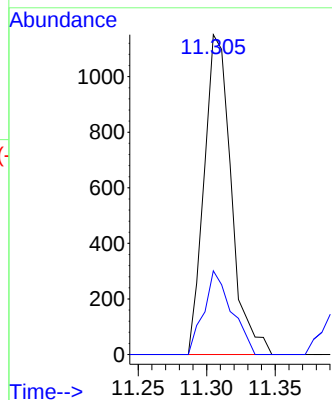
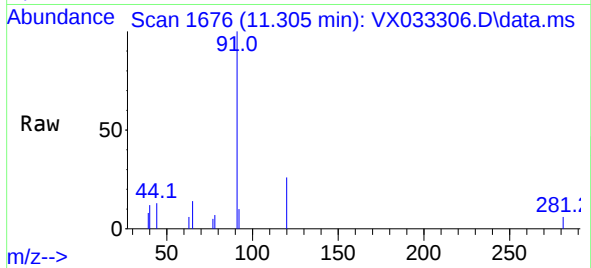




#78
n-propylbenzene
Concen: 0.207 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

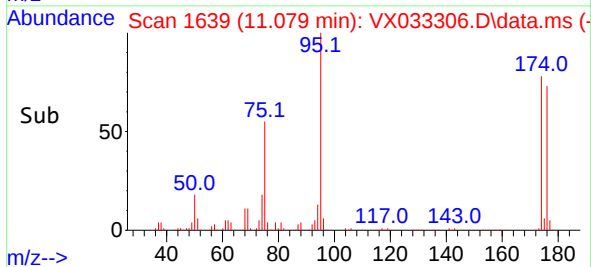
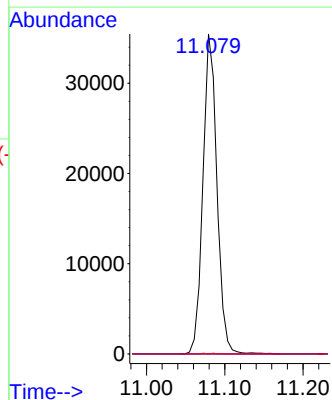
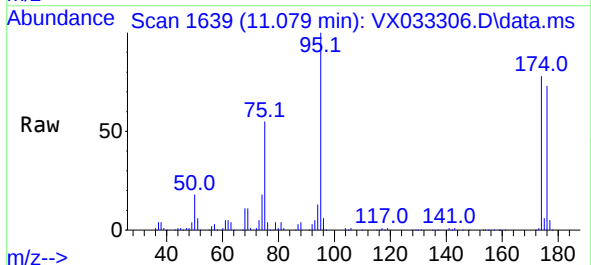
Instrument :
MSVOA_X
ClientSampleId :
MW-28

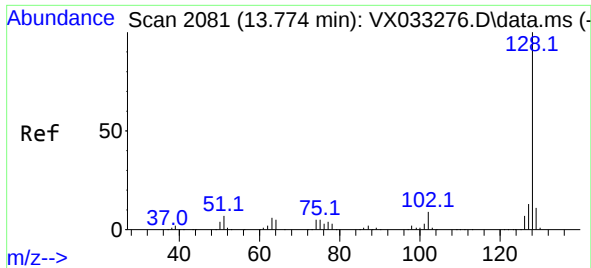
Tgt Ion: 91 Resp: 1584
Ion Ratio Lower Upper
91 100
120 26.8 11.6 34.8



#81
trans-1,4-Dichloro-2-butene
Concen: 71.256 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

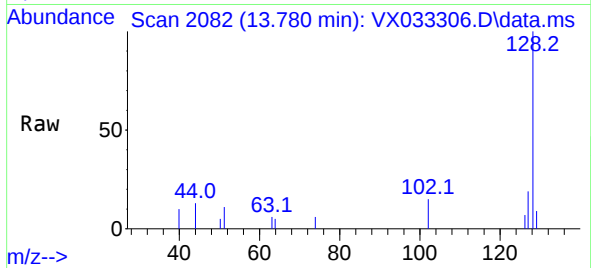
Tgt Ion: 75 Resp: 44023
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.2 38.3 57.5#





#95
Naphthalene
Concen: 0.298 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX033306.D
Acq: 08 Dec 2022 00:56

Instrument :
MSVOA_X
ClientSampleId :
MW-28



Tgt Ion:	128	Resp:	1878
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.2	15.4
129	9.1	8.9	13.3

