

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102022\
 Data File : VX032269.D
 Acq On : 20 Oct 2022 17:37
 Operator : JC/MD
 Sample : N5185-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-01

Quant Time: Oct 21 02:14:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

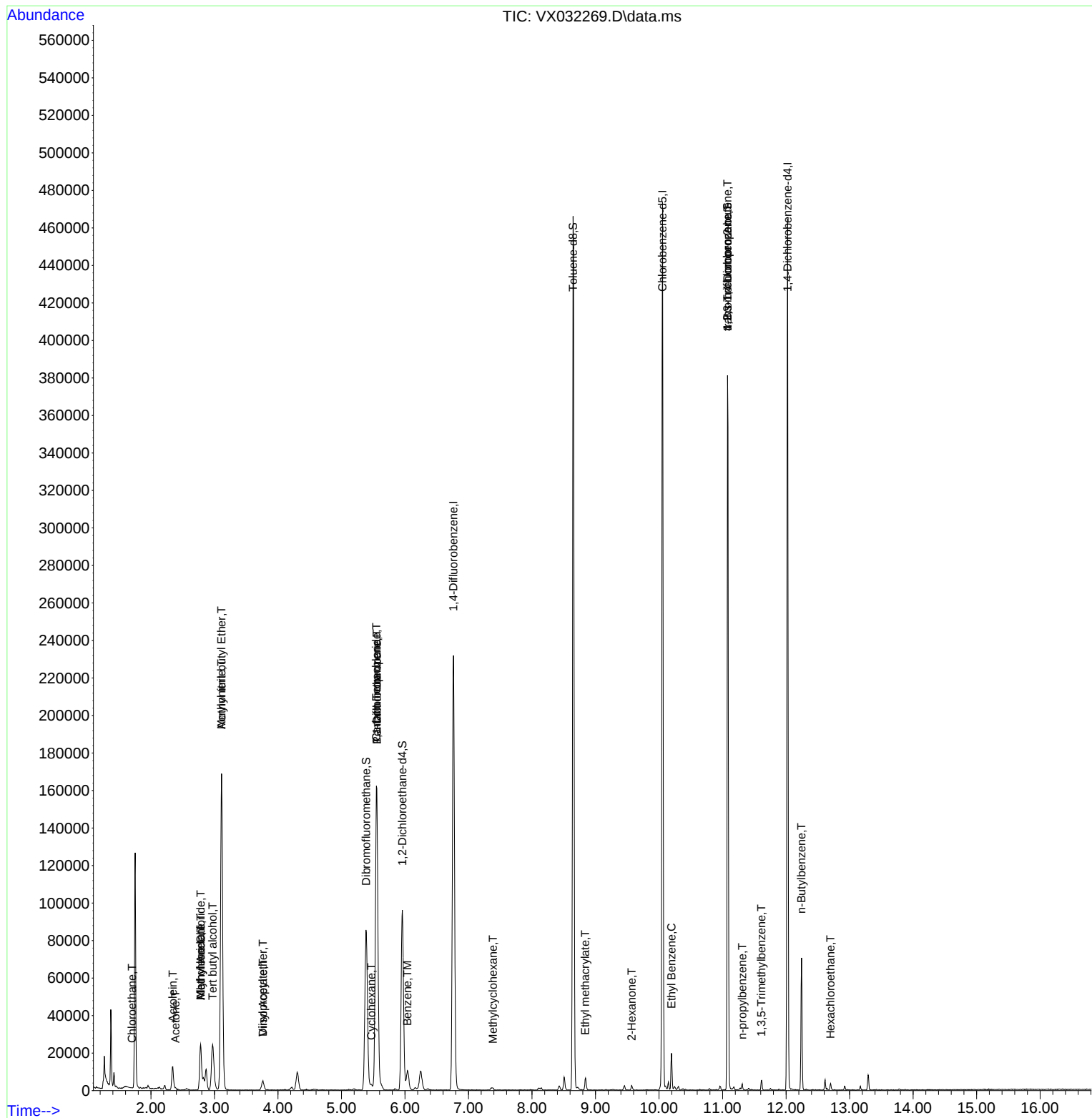
Internal Standards						
1) Pentafluorobenzene	5.556	168	150606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	230902	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95410	48.698	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.400%
35) Dibromofluoromethane	5.385	113	73286	45.611	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.220%
50) Toluene-d8	8.647	98	275458	47.625	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.260%
62) 4-Bromofluorobenzene	11.079	95	95698	45.184	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.360%
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	271	Below Cal	#	44
6) Chloroethane	1.703	64	283	2.135	ug/l #	41
11) Tert butyl alcohol	2.971	59	32494	104.307	ug/l	96
13) Acrolein	2.343	56	1652	6.927	ug/l	83
14) Allyl chloride	2.782	41	7703	3.648	ug/l #	61
15) Acrylonitrile	3.111	53	2322	3.160	ug/l #	28
16) Acetone	2.386	43	1146	1.802	ug/l	94
18) Methyl Acetate	2.782	43	20638	9.561	ug/l #	50
19) Methyl tert-butyl Ether	3.111	73	169628	36.619	ug/l	92
20) Methylene Chloride	2.782	84	399	0.244	ug/l #	54
22) Diisopropyl ether	3.764	45	4921	1.064	ug/l #	77
23) Vinyl Acetate	3.764	43	2985	0.808	ug/l #	71
31) Cyclohexane	5.471	56	1676	0.748	ug/l	91
36) 1,1-Dichloropropene	5.556	75	12124	5.866	ug/l #	49
38) Carbon Tetrachloride	5.550	117	15795	7.239	ug/l #	16
39) Methylcyclohexane	7.385	83	494	0.200	ug/l #	66
40) Benzene	6.038	78	11828	1.974	ug/l	93
56) Ethyl methacrylate	8.836	69	850	0.374	ug/l #	62
59) 2-Hexanone	9.567	43	394	0.265	ug/l	68
67) Ethyl Benzene	10.195	91	10668	1.472	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	52271	28.789	ug/l #	45
78) n-propylbenzene	11.311	91	1876	0.251	ug/l	98
80) 1,3,5-Trimethylbenzene	11.610	105	2977	0.527	ug/l	74
81) trans-1,4-Dichloro-2-b...	11.079	75	52271	88.211	ug/l #	6
89) n-Butylbenzene	12.244	91	4392	0.858	ug/l #	49
90) Hexachloroethane	12.701	117	1844	2.045	ug/l #	11

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

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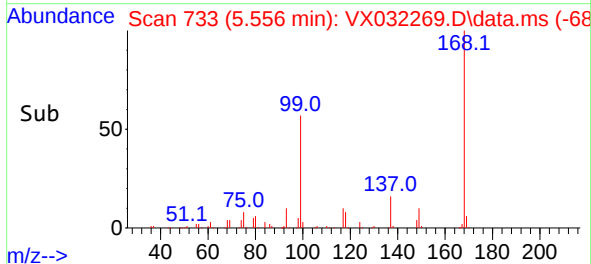
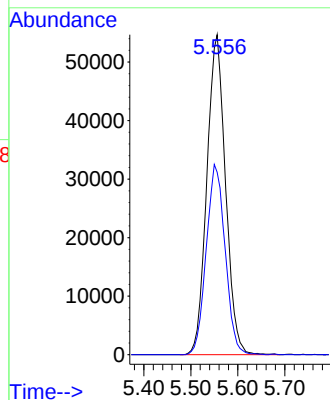
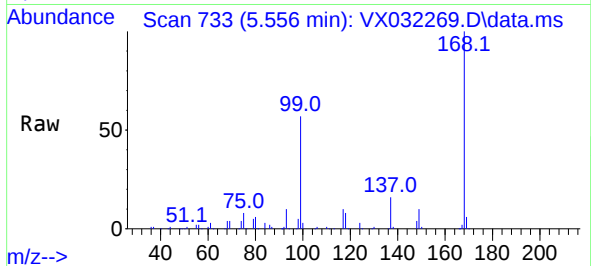




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

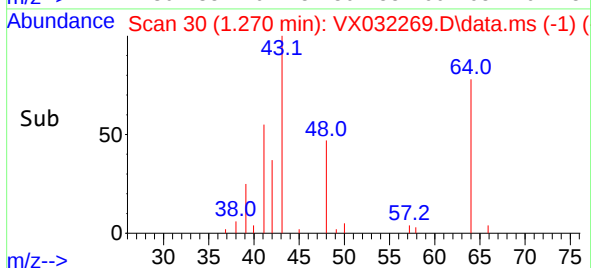
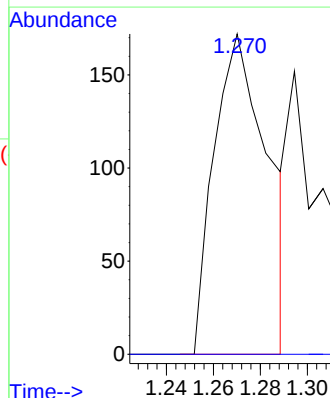
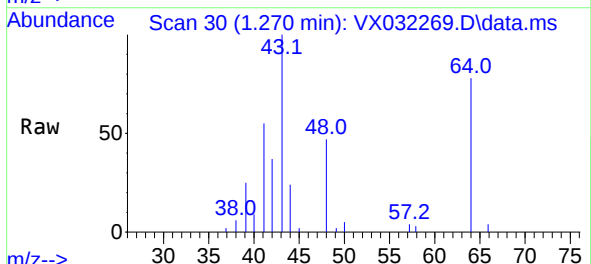
Instrument :
MSVOA_X
ClientSampleId :
MW-01

Tgt Ion:168 Resp: 150606
Ion Ratio Lower Upper
168 100
99 57.0 44.8 67.2

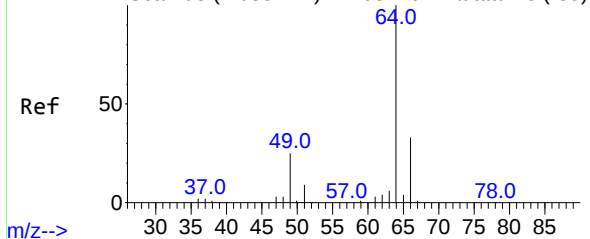


#3
Chloromethane
Concen: Below Cal
RT: 1.270 min Scan# 30
Delta R.T. -0.025 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Tgt Ion: 50 Resp: 271
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



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



#6

Chloroethane

Concen: 2.135 ug/l

RT: 1.703 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX032269.D

Acq: 20 Oct 2022 17:37

Instrument :

MSVOA_X

ClientSampleId :

MW-01

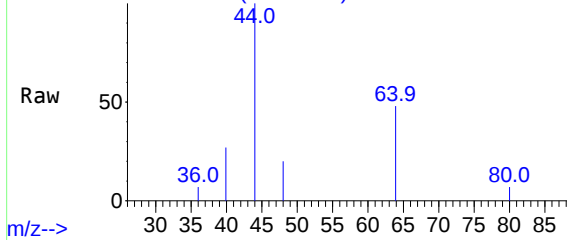
Tgt Ion: 64 Resp: 283

Ion Ratio Lower Upper

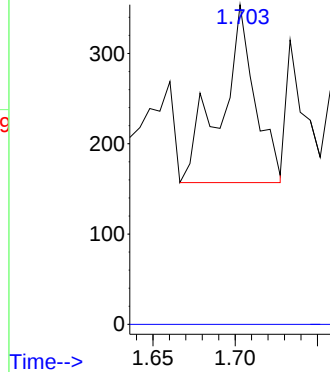
64 100

66 0.0 26.6 39.8#

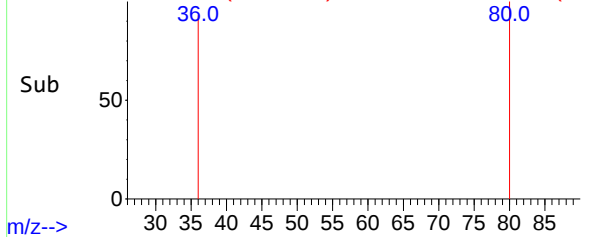
Abundance Scan 101 (1.703 min): VX032269.D\data.ms



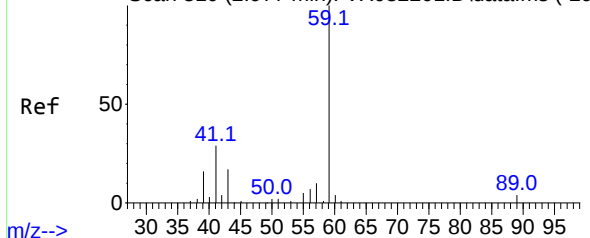
Abundance



Abundance Scan 101 (1.703 min): VX032269.D\data.ms (-49)



Abundance Scan 310 (2.977 min): VX032201.D\data.ms (-29)



#11

Tert butyl alcohol

Concen: 104.307 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX032269.D

Acq: 20 Oct 2022 17:37

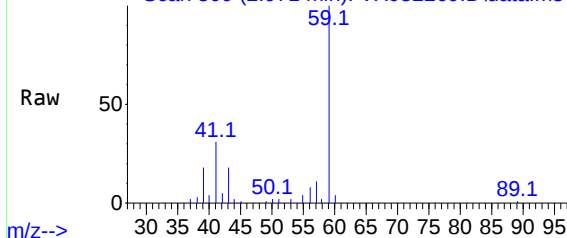
Tgt Ion: 59 Resp: 32494

Ion Ratio Lower Upper

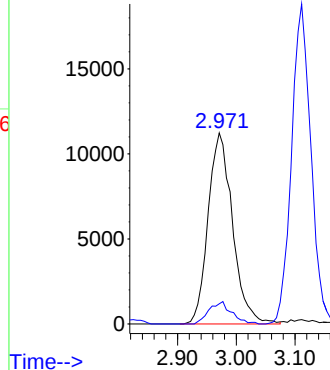
59 100

57 10.9 7.5 11.3

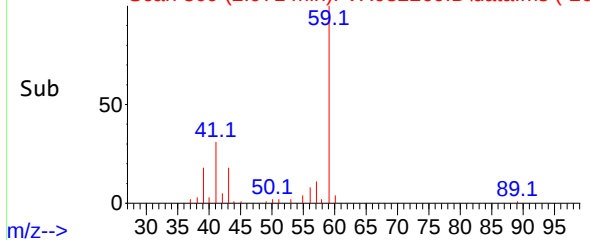
Abundance Scan 309 (2.971 min): VX032269.D\data.ms

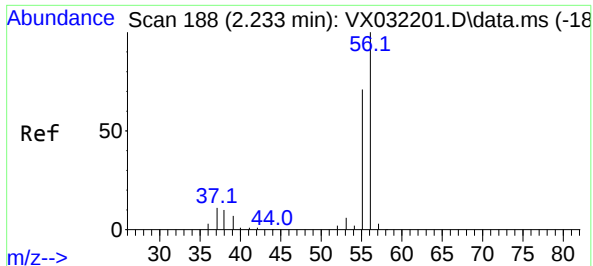


Abundance



Abundance Scan 309 (2.971 min): VX032269.D\data.ms (-26)

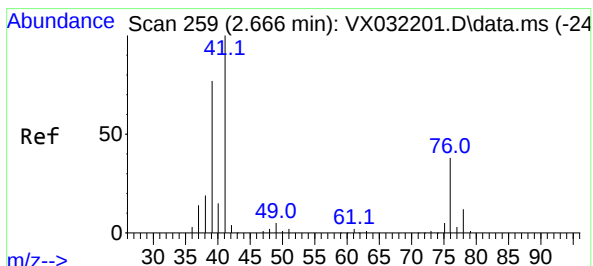
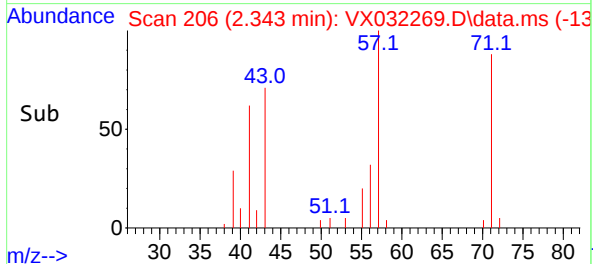
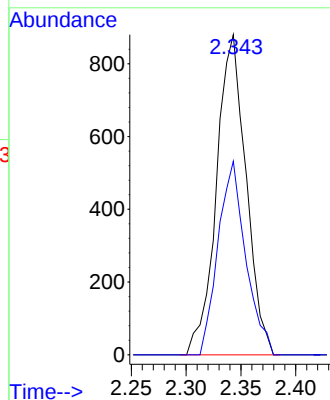
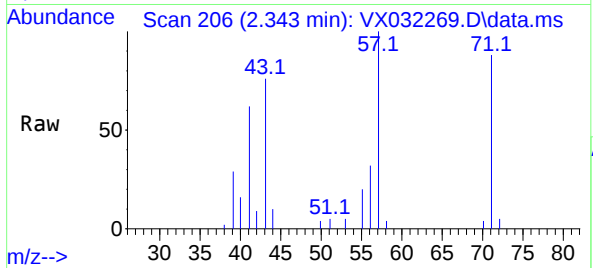




#13
Acrolein
Concen: 6.927 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.110 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

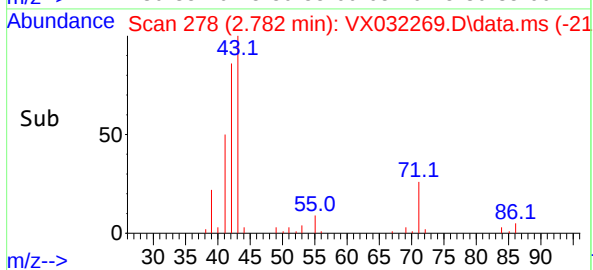
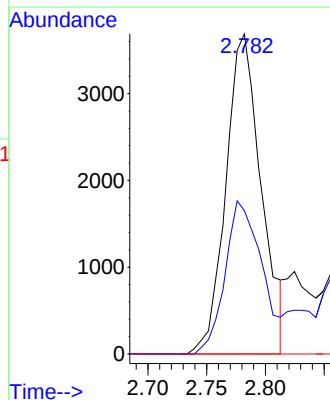
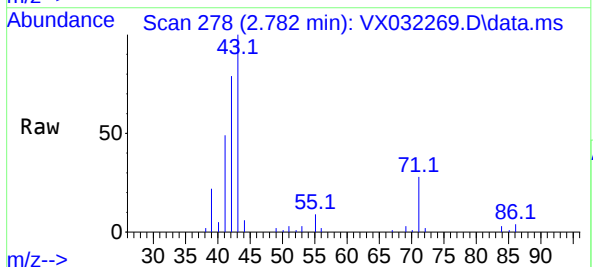
Instrument :
MSVOA_X
ClientSampleId :
MW-01

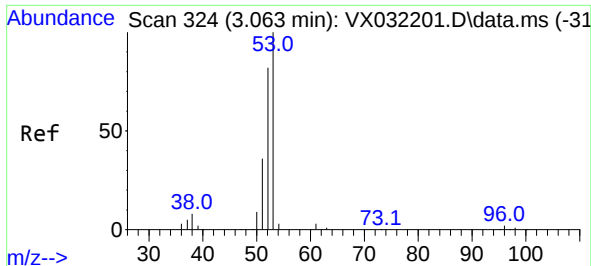
Tgt Ion: 56 Resp: 1652
Ion Ratio Lower Upper
56 100
55 56.5 56.4 84.6



#14
Allyl chloride
Concen: 3.648 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.116 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Tgt Ion: 41 Resp: 7703
Ion Ratio Lower Upper
41 100
39 49.8 59.5 89.3#
76 0.0 28.6 42.8#

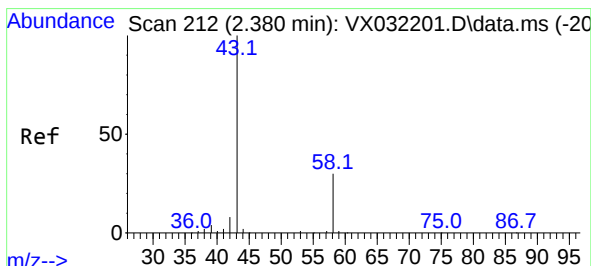
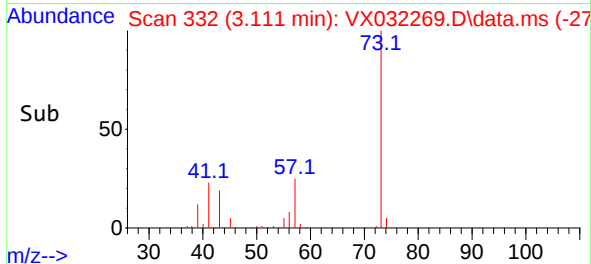
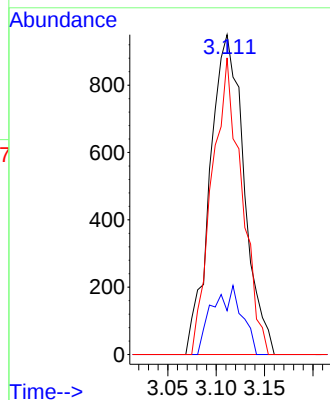
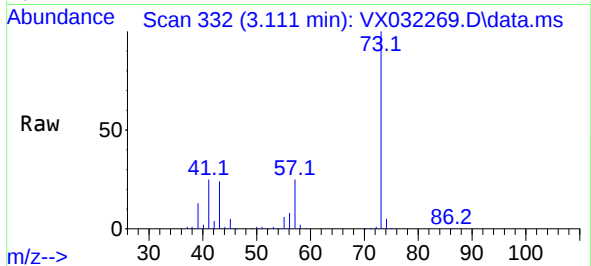




#15
Acrylonitrile
Concen: 3.160 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.048 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

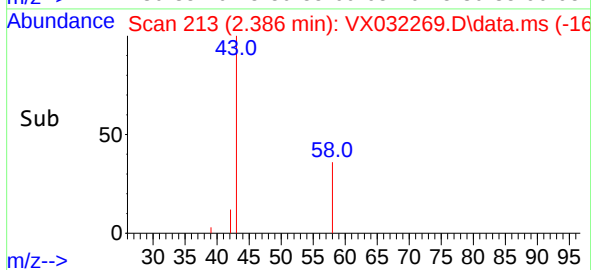
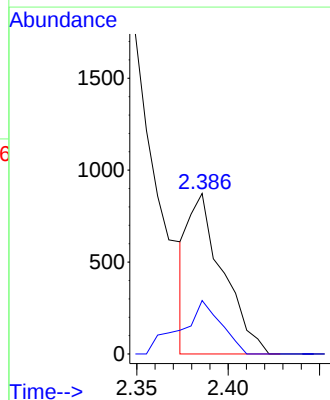
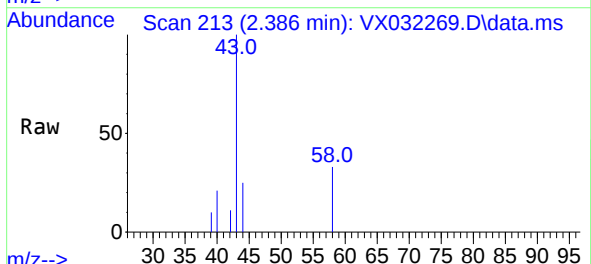
Instrument :
MSVOA_X
ClientSampleId :
MW-01

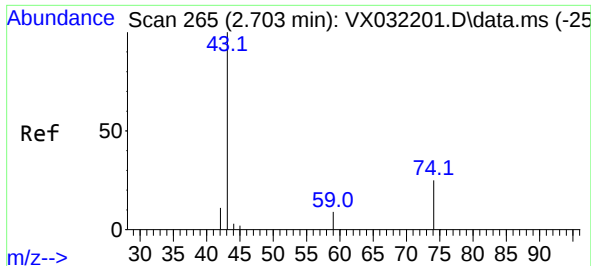
Tgt Ion: 53 Resp: 2322
Ion Ratio Lower Upper
53 100
52 18.6 65.9 98.9#
51 81.2 29.7 44.5#



#16
Acetone
Concen: 1.802 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
58 33.3 24.2 36.2





#18

Methyl Acetate

Concen: 9.561 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.079 min

Lab File: VX032269.D

Acq: 20 Oct 2022 17:37

Instrument :

MSVOA_X

ClientSampleId :

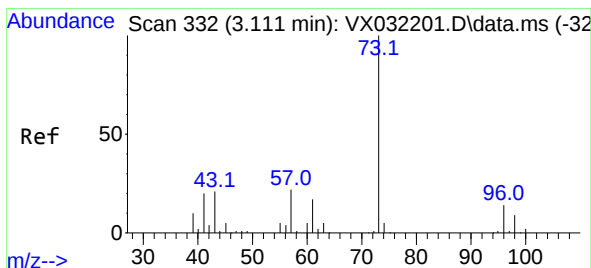
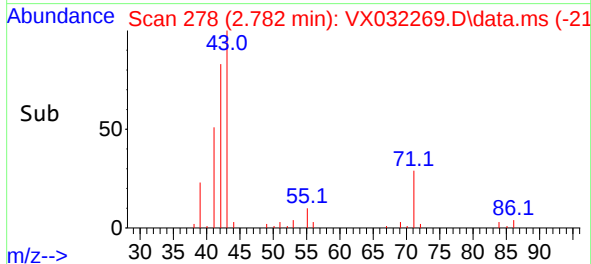
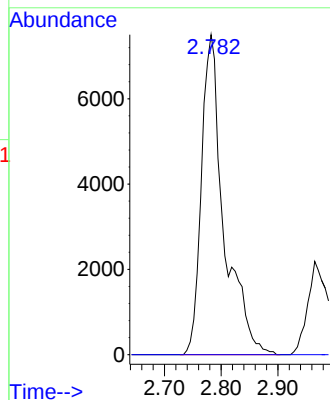
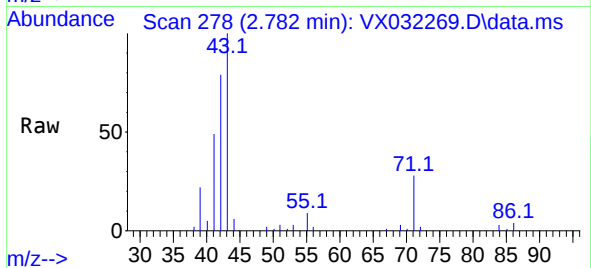
MW-01

Tgt Ion: 43 Resp: 20638

Ion Ratio Lower Upper

43 100

74 0.0 19.8 29.8#



#19

Methyl tert-butyl Ether

Concen: 36.619 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX032269.D

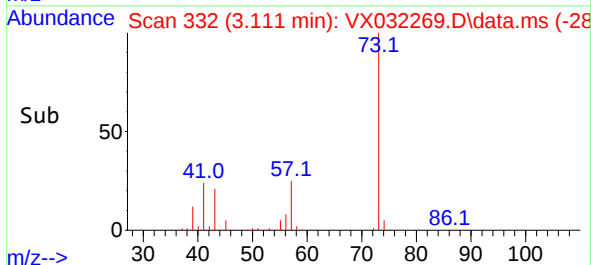
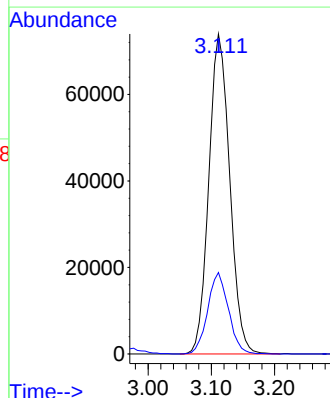
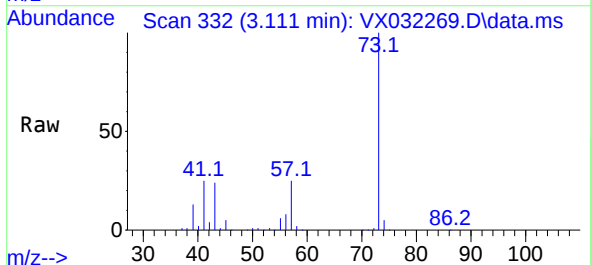
Acq: 20 Oct 2022 17:37

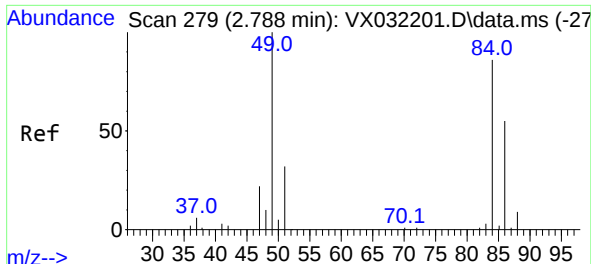
Tgt Ion: 73 Resp: 169628

Ion Ratio Lower Upper

73 100

57 25.4 17.4 26.2



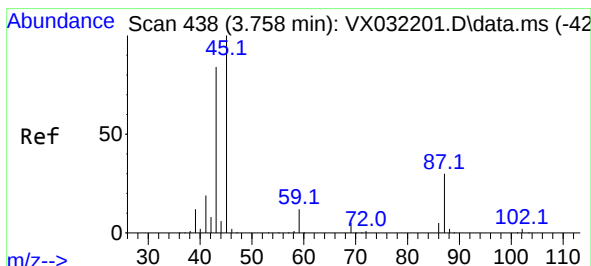
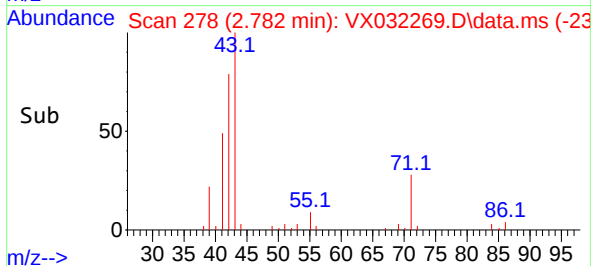
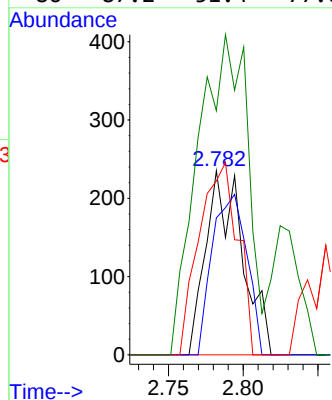
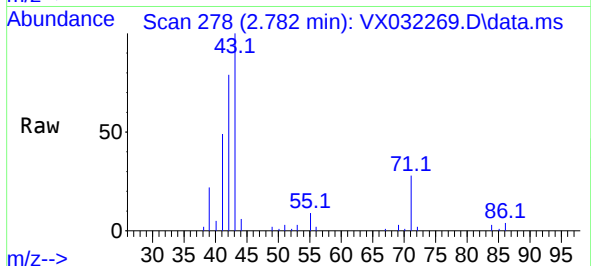


#20
Methylene Chloride
Concen: 0.244 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Instrument :
MSVOA_X
ClientSampleId :
MW-01

Tgt Ion: 84 Resp: 399

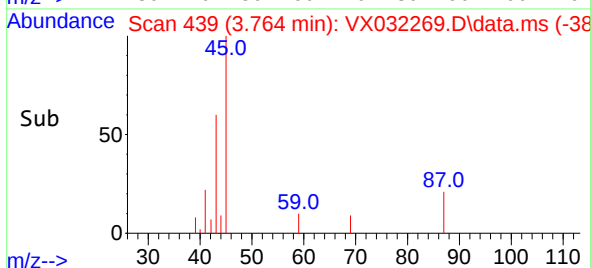
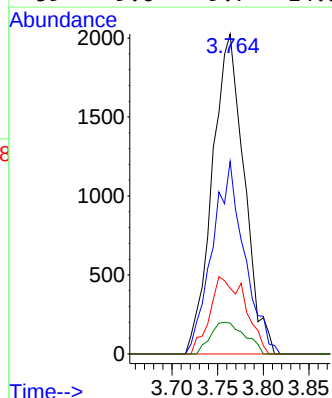
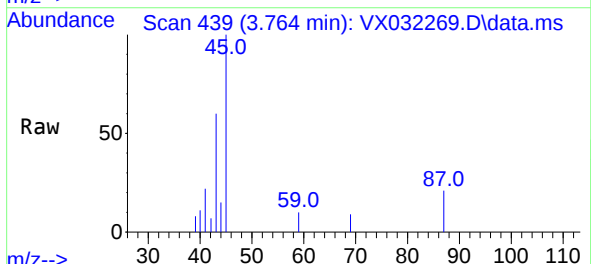
Ion	Ratio	Lower	Upper
84	100		
49	74.5	92.6	139.0#
51	94.5	29.2	43.8#
86	87.2	51.4	77.0#

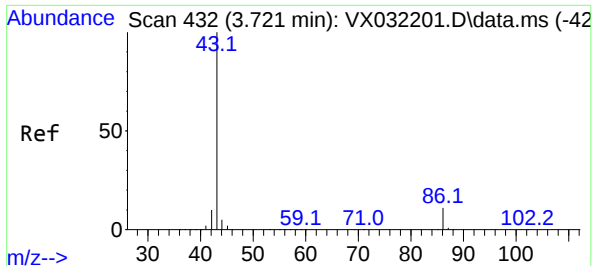


#22
Diisopropyl ether
Concen: 1.064 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Tgt Ion: 45 Resp: 4921

Ion	Ratio	Lower	Upper
45	100		
43	60.2	67.5	101.3#
87	20.5	24.0	36.0#
59	9.6	9.7	14.5#

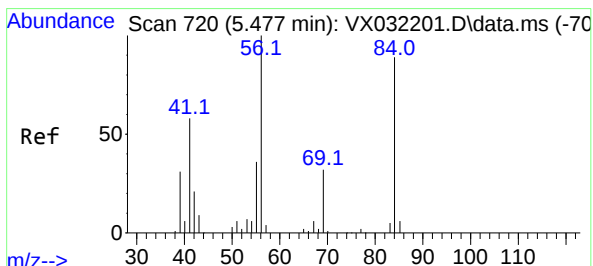
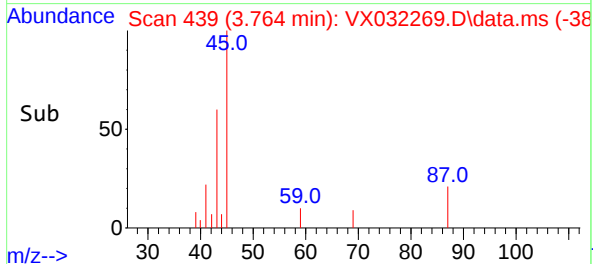
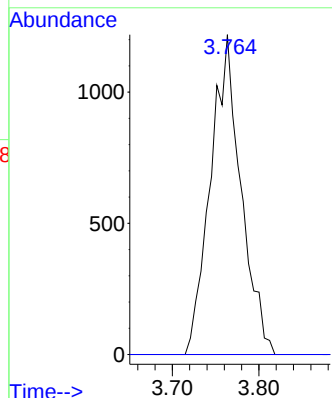
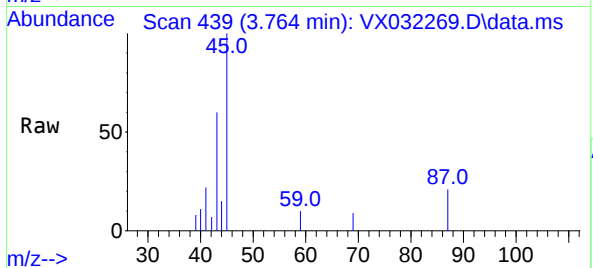




#23
 Vinyl Acetate
 Concen: 0.808 ug/l
 RT: 3.764 min Scan# 41
 Delta R.T. 0.043 min
 Lab File: VX032269.D
 Acq: 20 Oct 2022 17:37

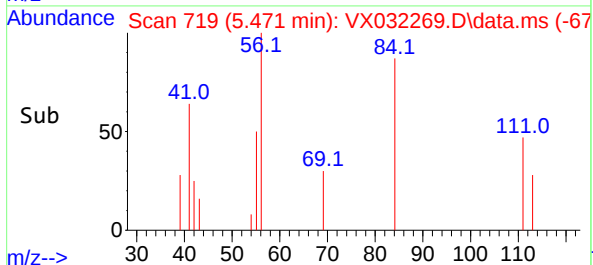
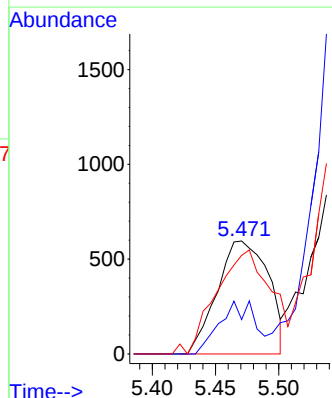
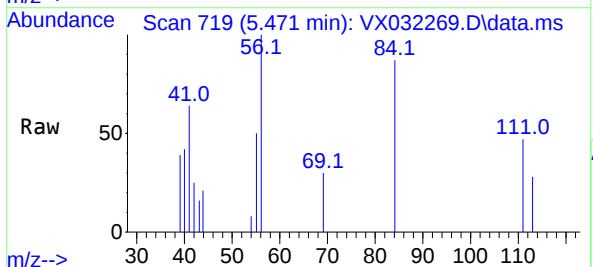
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-01

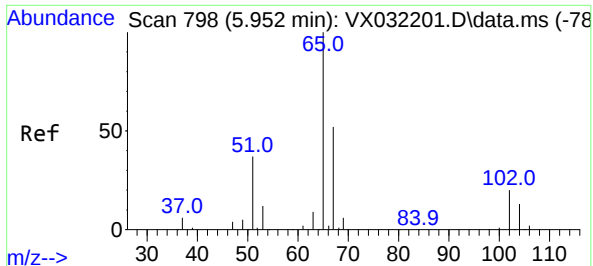
Tgt Ion: 43 Resp: 2985
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 0.748 ug/l
 RT: 5.471 min Scan# 719
 Delta R.T. -0.006 min
 Lab File: VX032269.D
 Acq: 20 Oct 2022 17:37

Tgt Ion: 56 Resp: 1676
 Ion Ratio Lower Upper
 56 100
 69 30.4 25.4 38.0
 84 78.5 71.2 106.8

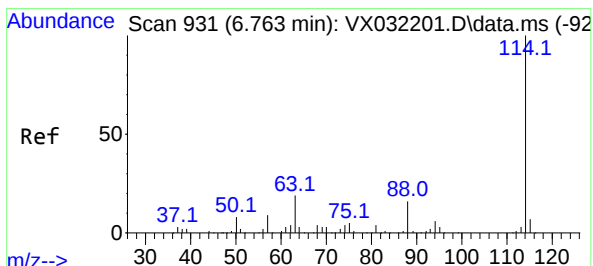
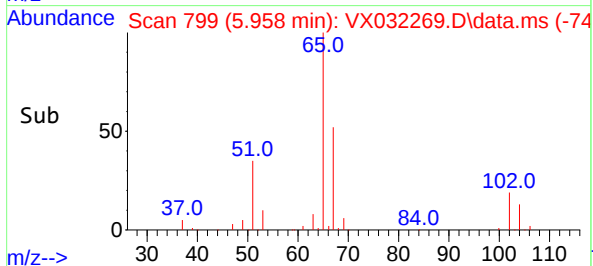
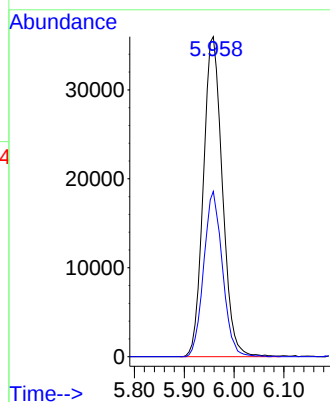
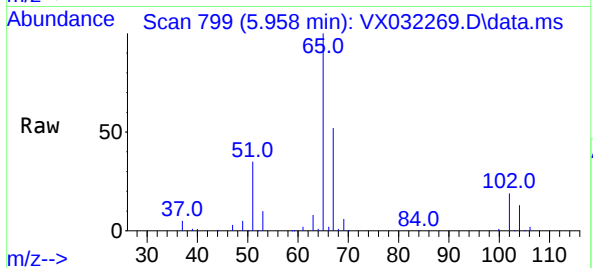




#33
1,2-Dichloroethane-d4
Concen: 48.698 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

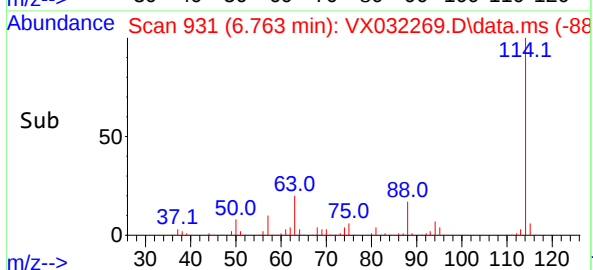
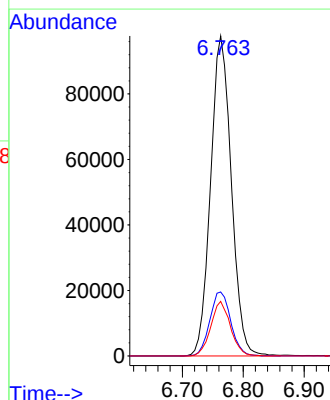
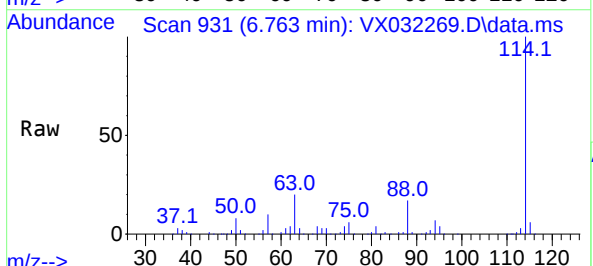
Instrument :
MSVOA_X
ClientSampleId :
MW-01

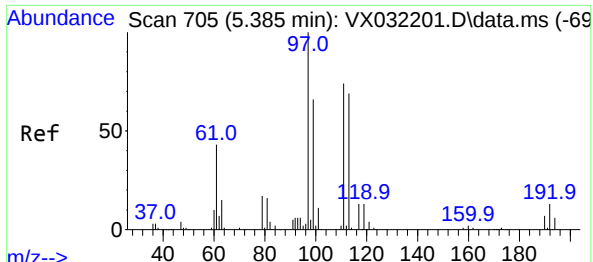
Tgt Ion: 65 Resp: 95410
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Tgt Ion: 114 Resp: 230902
Ion Ratio Lower Upper
114 100
63 20.0 0.0 38.6
88 17.0 0.0 32.6



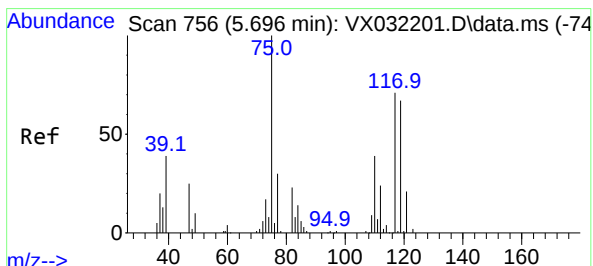
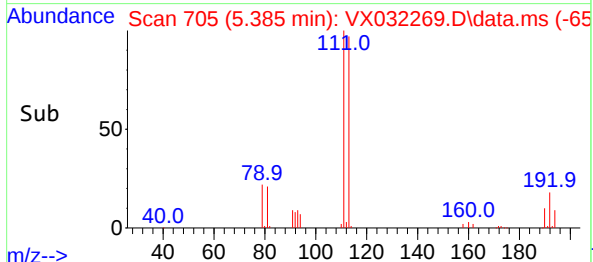
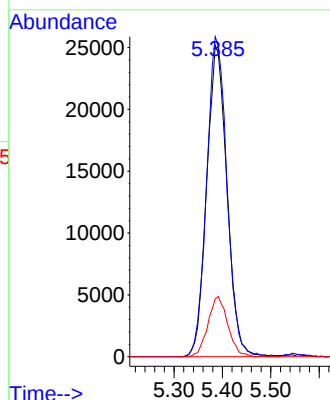
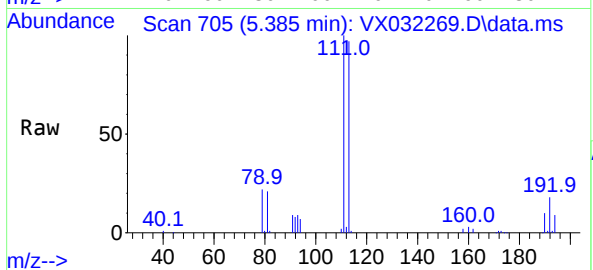


#35
Dibromofluoromethane
Concen: 45.611 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Instrument :
MSVOA_X
ClientSampleId :
MW-01

Tgt Ion: 113 Resp: 73286

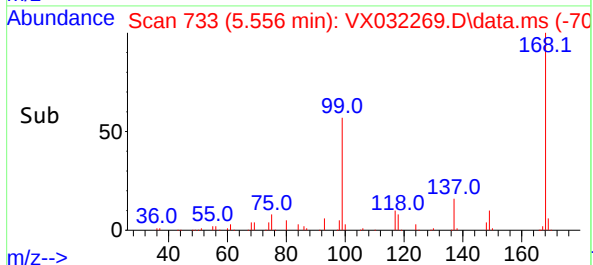
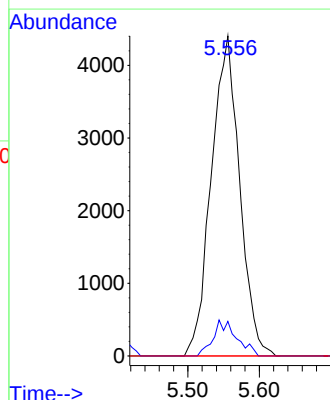
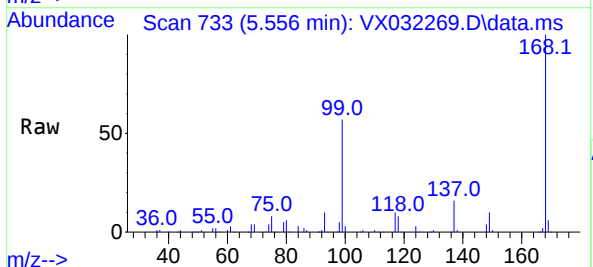
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.8	124.2
192	18.9	15.5	23.3

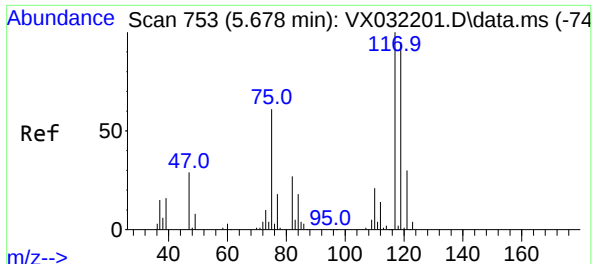


#36
1,1-Dichloropropene
Concen: 5.866 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Tgt Ion: 75 Resp: 12124

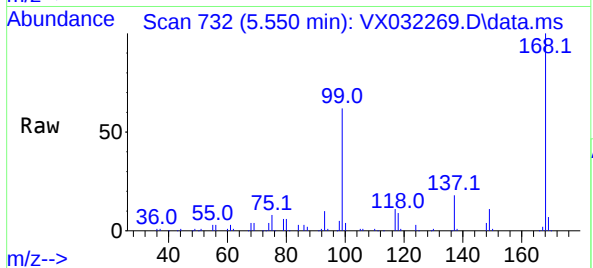
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.4	55.0#
77	0.0	24.7	37.1#



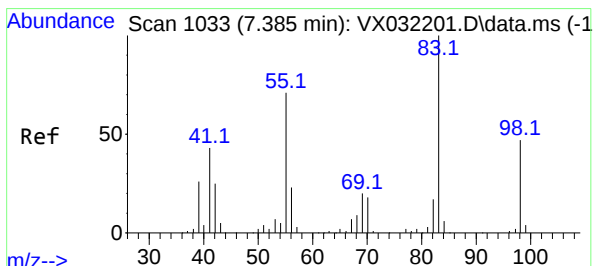
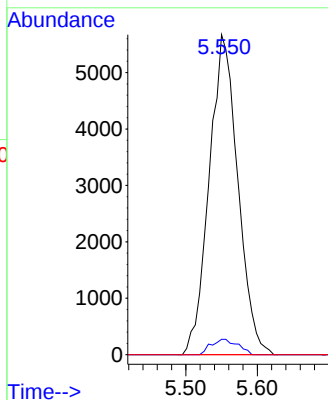
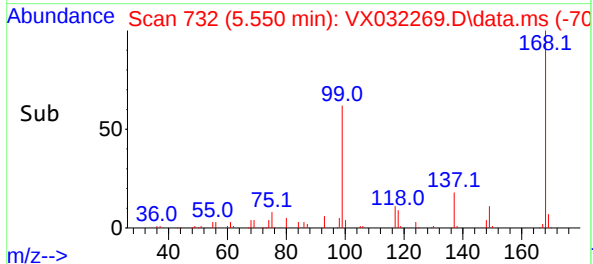


#38
Carbon Tetrachloride
Concen: 7.239 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Instrument :
MSVOA_X
ClientSampleId :
MW-01

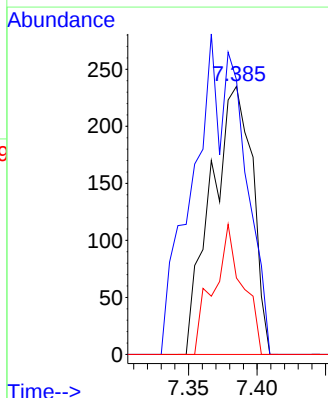
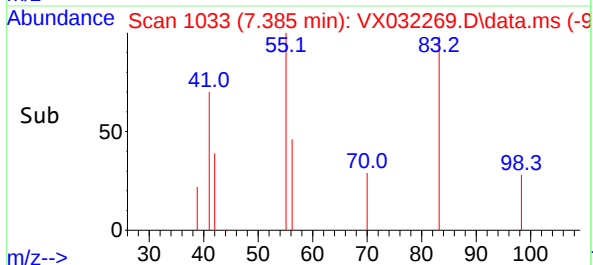
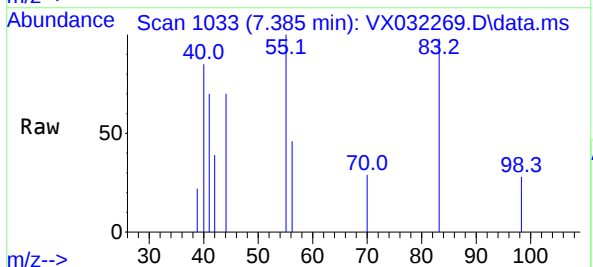


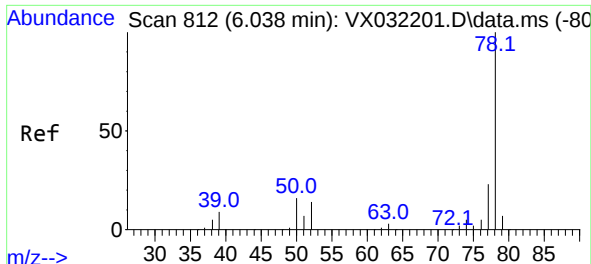
Tgt Ion:117 Resp: 15795
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.0#
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 0.200 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Tgt Ion: 83 Resp: 494
Ion Ratio Lower Upper
83 100
55 102.6 56.6 85.0#
98 28.5 37.4 56.0#

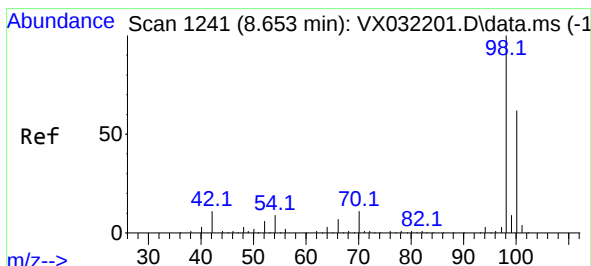
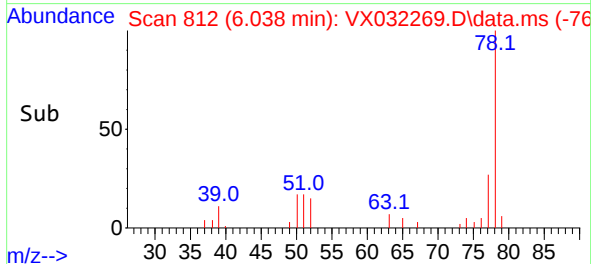
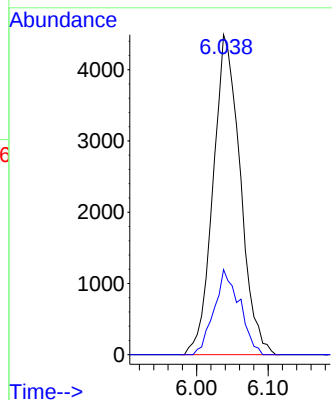
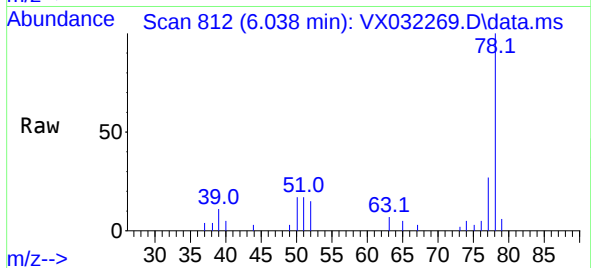




#40
Benzene
Concen: 1.974 ug/l
RT: 6.038 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

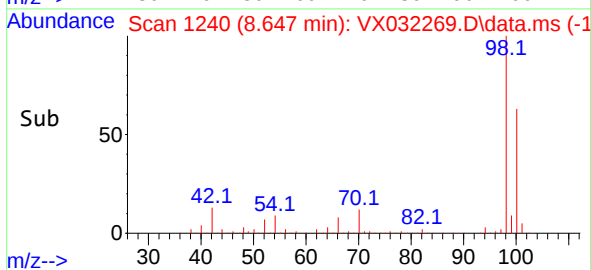
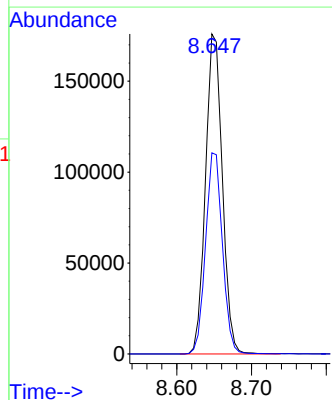
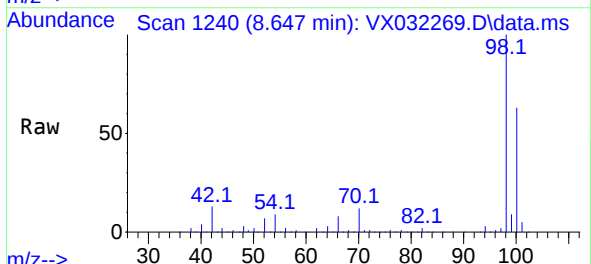
Instrument :
MSVOA_X
ClientSampleId :
MW-01

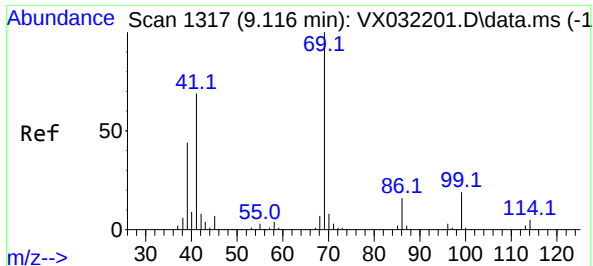
Tgt Ion: 78 Resp: 11828
Ion Ratio Lower Upper
78 100
77 26.6 18.6 27.8



#50
Toluene-d8
Concen: 47.625 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Tgt Ion: 98 Resp: 275458
Ion Ratio Lower Upper
98 100
100 62.9 50.7 76.1





#56

Ethyl methacrylate

Concen: 0.374 ug/l

RT: 8.836 min Scan# 11

Delta R.T. -0.280 min

Lab File: VX032269.D

Acq: 20 Oct 2022 17:37

Instrument :

MSVOA_X

ClientSampleId :

MW-01

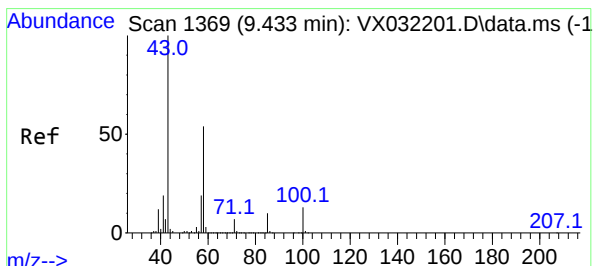
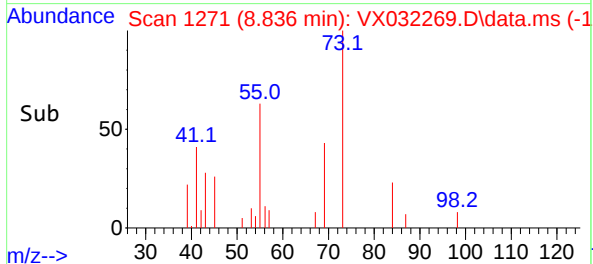
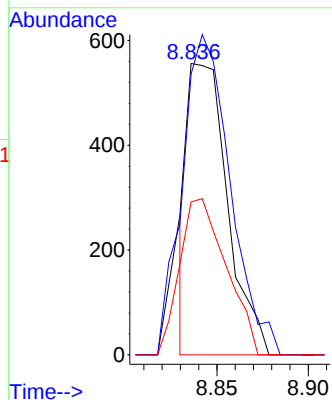
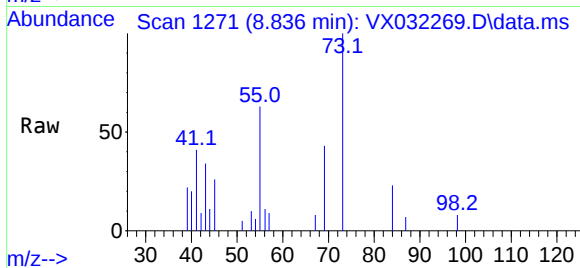
Tgt Ion: 69 Resp: 850

Ion Ratio Lower Upper

69 100

41 113.4 54.5 81.7#

39 52.0 35.7 53.5



#59

2-Hexanone

Concen: 0.265 ug/l

RT: 9.567 min Scan# 1391

Delta R.T. 0.134 min

Lab File: VX032269.D

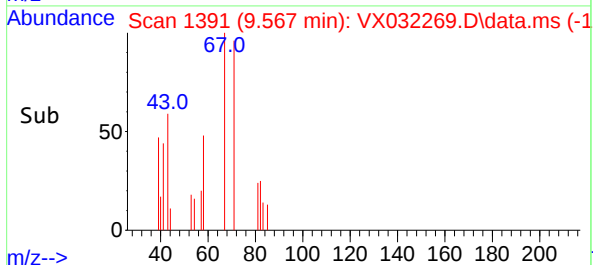
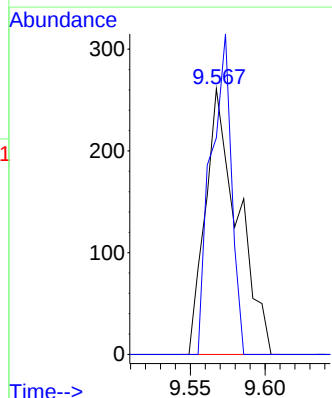
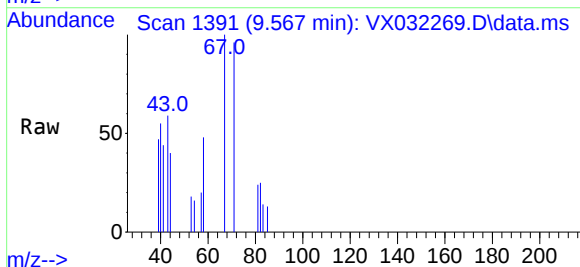
Acq: 20 Oct 2022 17:37

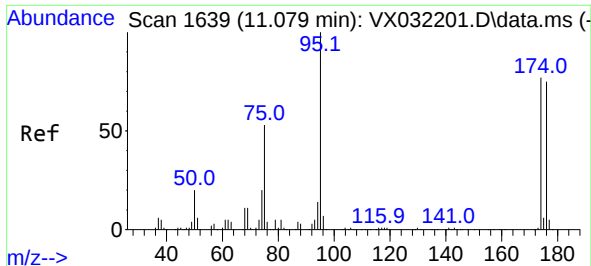
Tgt Ion: 43 Resp: 394

Ion Ratio Lower Upper

43 100

58 76.1 26.7 80.1

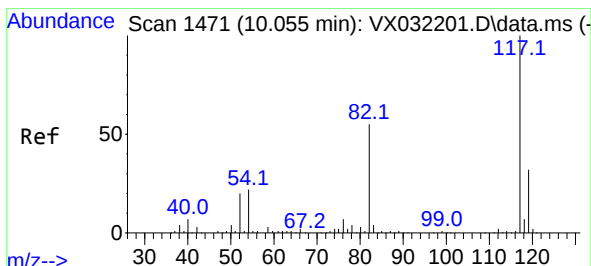
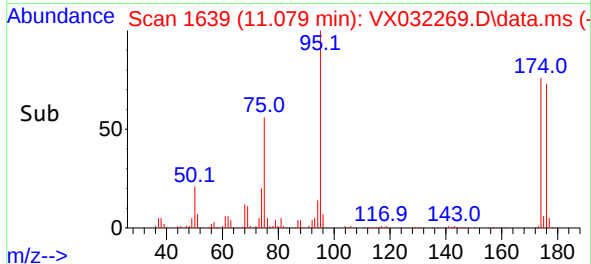
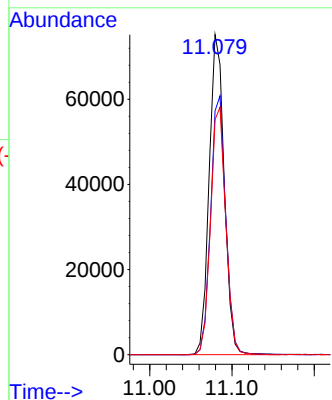
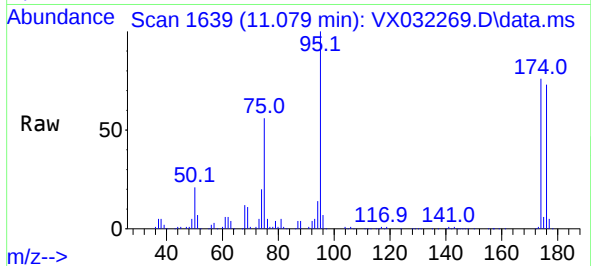




#62
4-Bromofluorobenzene
Concen: 45.184 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

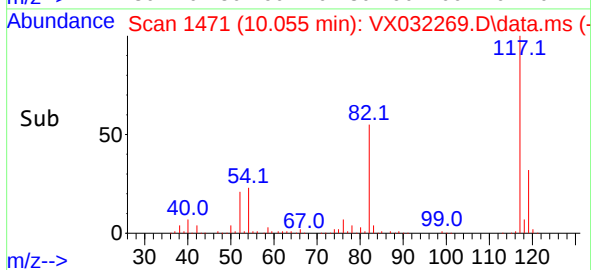
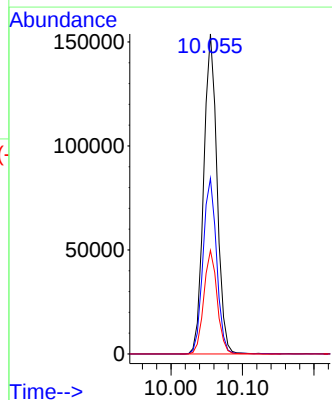
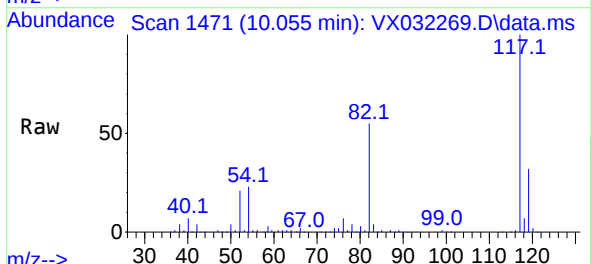
Instrument :
MSVOA_X
ClientSampleId :
MW-01

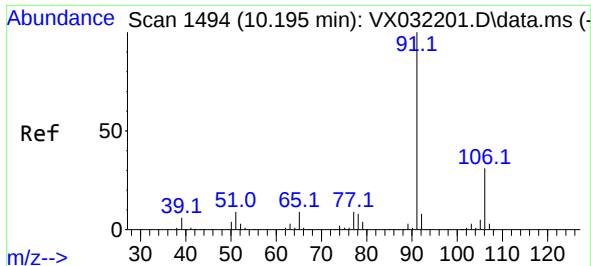
Tgt Ion: 95 Resp: 95698
Ion Ratio Lower Upper
95 100
174 81.0 0.0 166.8
176 77.9 0.0 161.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Tgt Ion: 117 Resp: 199709
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.4
119 32.3 25.8 38.8

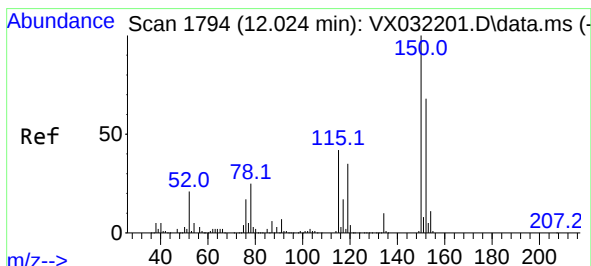
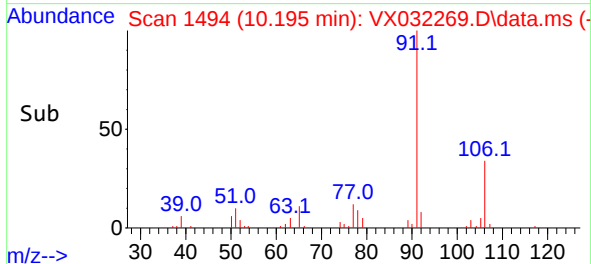
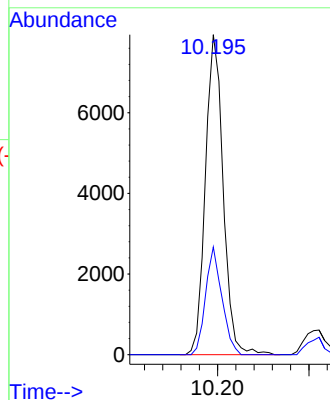
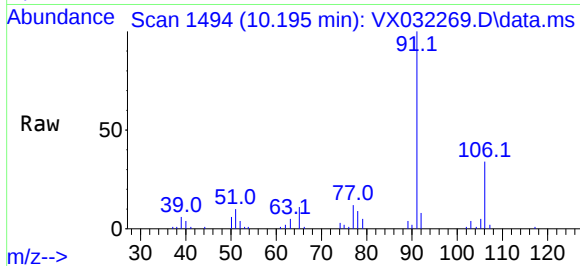




#67
Ethyl Benzene
Concen: 1.472 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

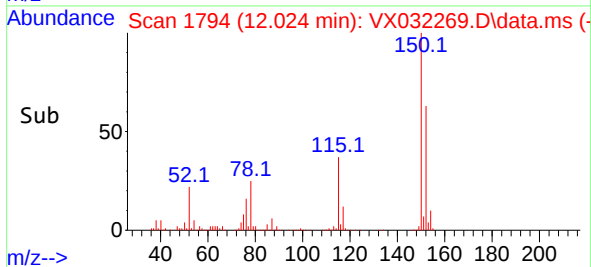
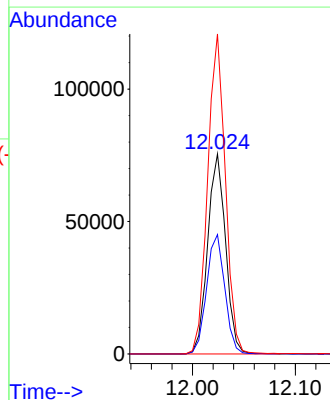
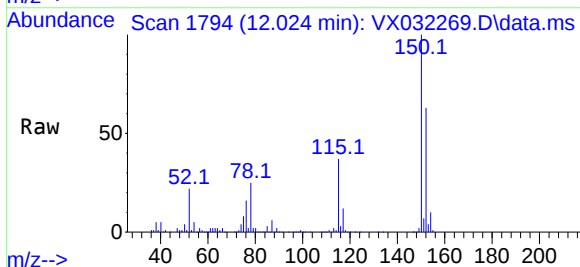
Instrument :
MSVOA_X
ClientSampleId :
MW-01

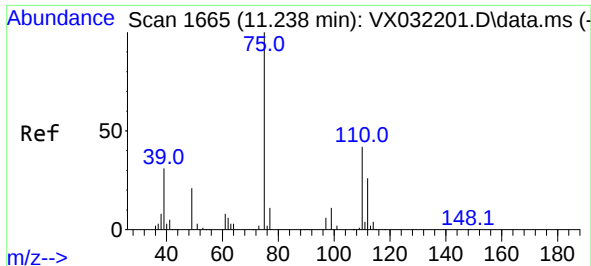
Tgt Ion: 91 Resp: 10668
Ion Ratio Lower Upper
91 100
106 33.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Tgt Ion:152 Resp: 91635
Ion Ratio Lower Upper
152 100
115 60.8 43.1 129.4
150 157.9 0.0 348.6

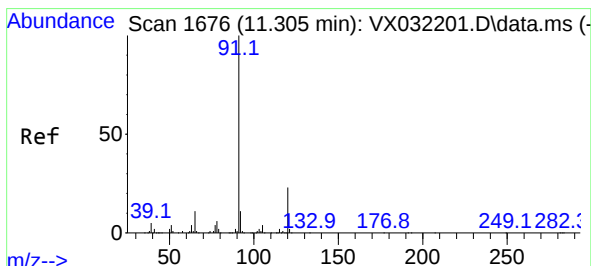
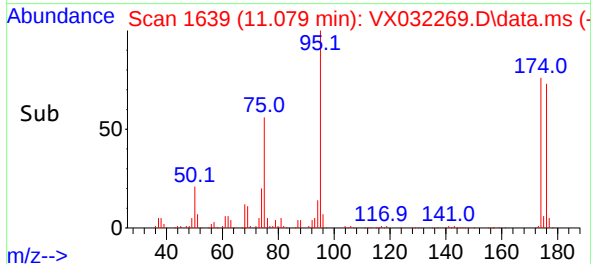
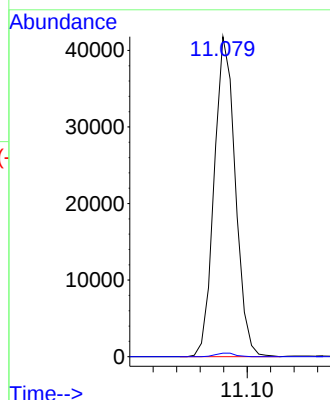
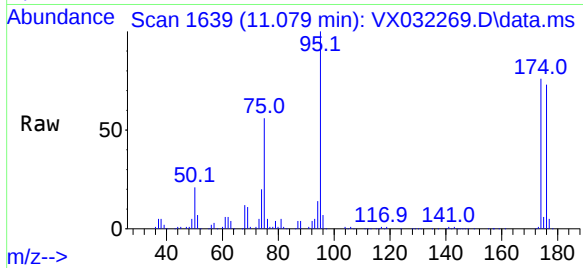




#76
1,2,3-Trichloropropane
Concen: 28.789 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

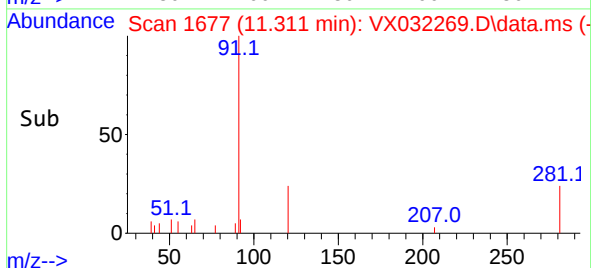
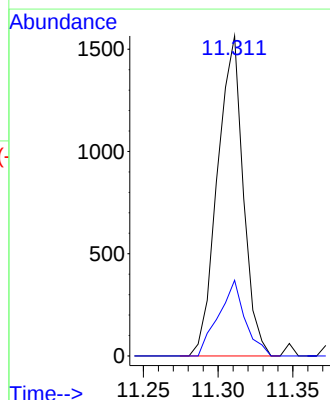
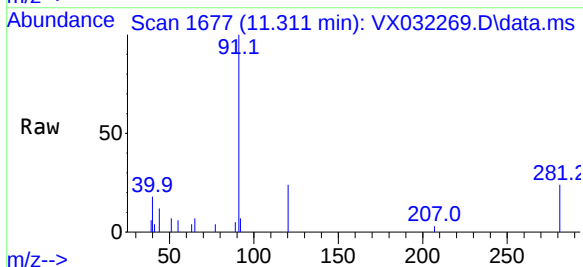
Instrument :
MSVOA_X
ClientSampleId :
MW-01

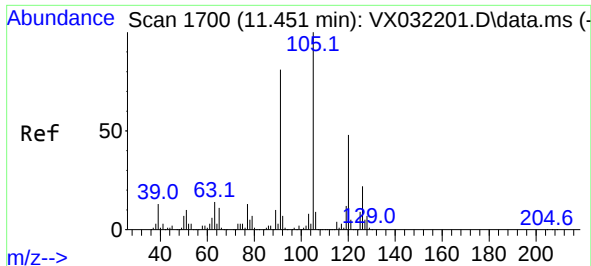
Tgt Ion: 75 Resp: 52271
Ion Ratio Lower Upper
75 100
77 1.0 16.0 47.9#



#78
n-propylbenzene
Concen: 0.251 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Tgt Ion: 91 Resp: 1876
Ion Ratio Lower Upper
91 100
120 24.4 11.6 34.8

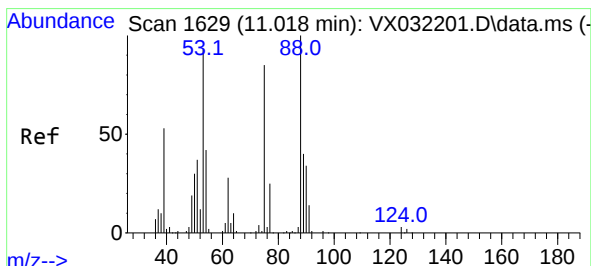
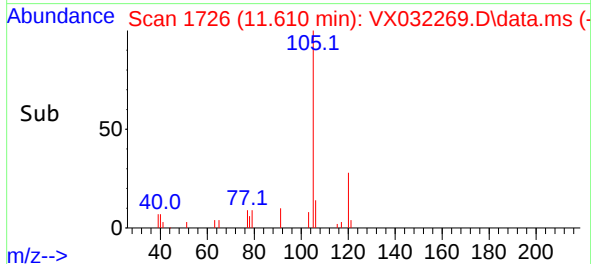
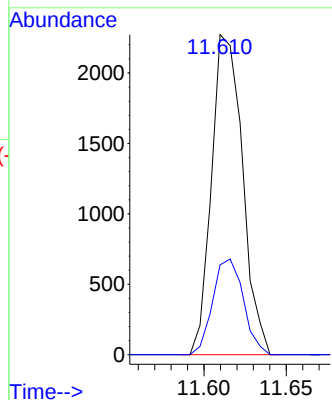
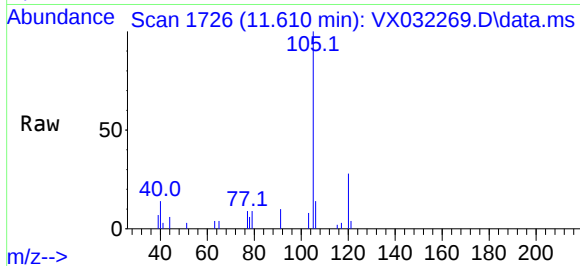




#80
1,3,5-Trimethylbenzene
Concen: 0.527 ug/l
RT: 11.610 min Scan# 11
Delta R.T. 0.159 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

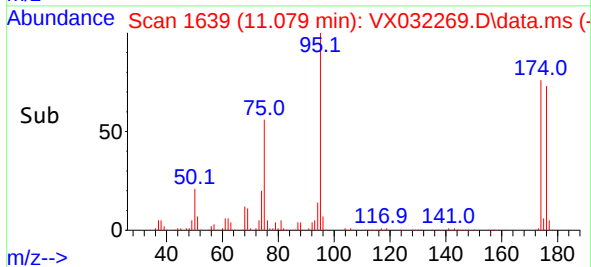
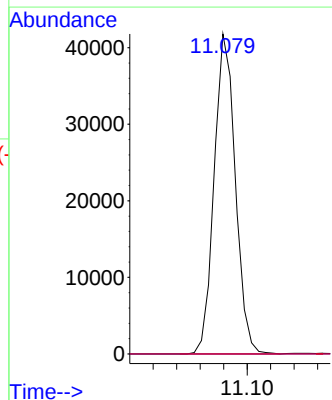
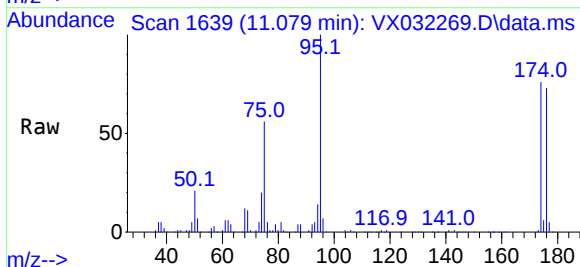
Instrument :
MSVOA_X
ClientSampleId :
MW-01

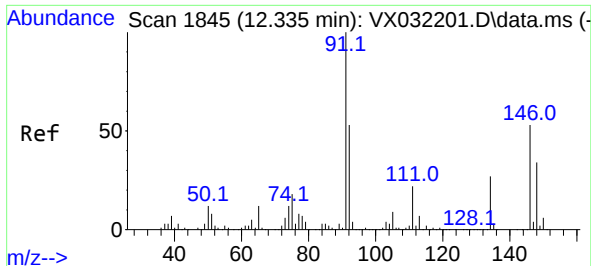
Tgt Ion:105 Resp: 2977
Ion Ratio Lower Upper
105 100
120 29.6 23.5 70.6



#81
trans-1,4-Dichloro-2-butene
Concen: 88.211 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032269.D
Acq: 20 Oct 2022 17:37

Tgt Ion: 75 Resp: 52271
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#





#89

n-Butylbenzene

Concen: 0.858 ug/l

RT: 12.244 min Scan# 11

Delta R.T. -0.091 min

Lab File: VX032269.D

Acq: 20 Oct 2022 17:37

Instrument :

MSVOA_X

ClientSampleId :

MW-01

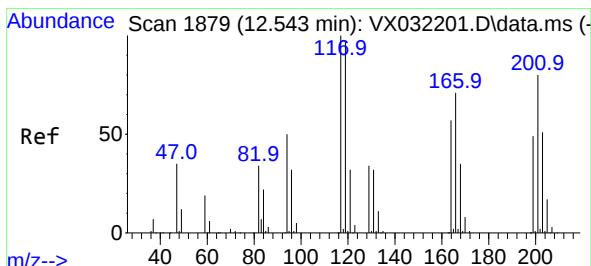
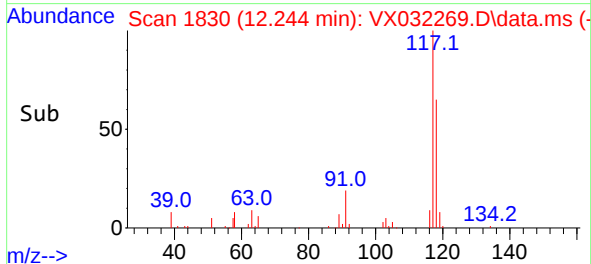
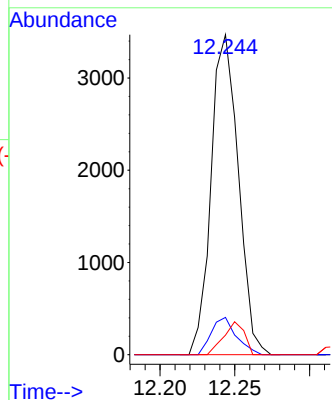
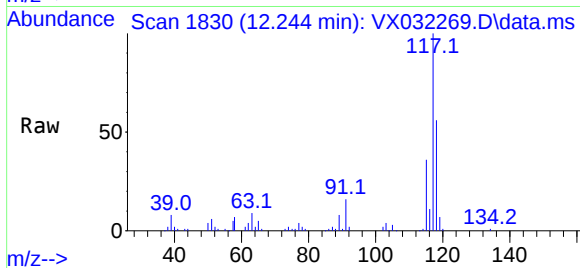
Tgt Ion: 91 Resp: 4392

Ion Ratio Lower Upper

91 100

92 10.7 26.3 78.9#

134 7.9 13.0 39.0#



#90

Hexachloroethane

Concen: 2.045 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.158 min

Lab File: VX032269.D

Acq: 20 Oct 2022 17:37

Tgt Ion: 117 Resp: 1844

Ion Ratio Lower Upper

117 100

201 0.0 38.5 115.3#

