

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122022\
 Data File : VX033506.D
 Acq On : 20 Dec 2022 14:31
 Operator : JC/MD
 Sample : N6149-05 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WEST-1

Quant Time: Dec 21 04:14:34 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)

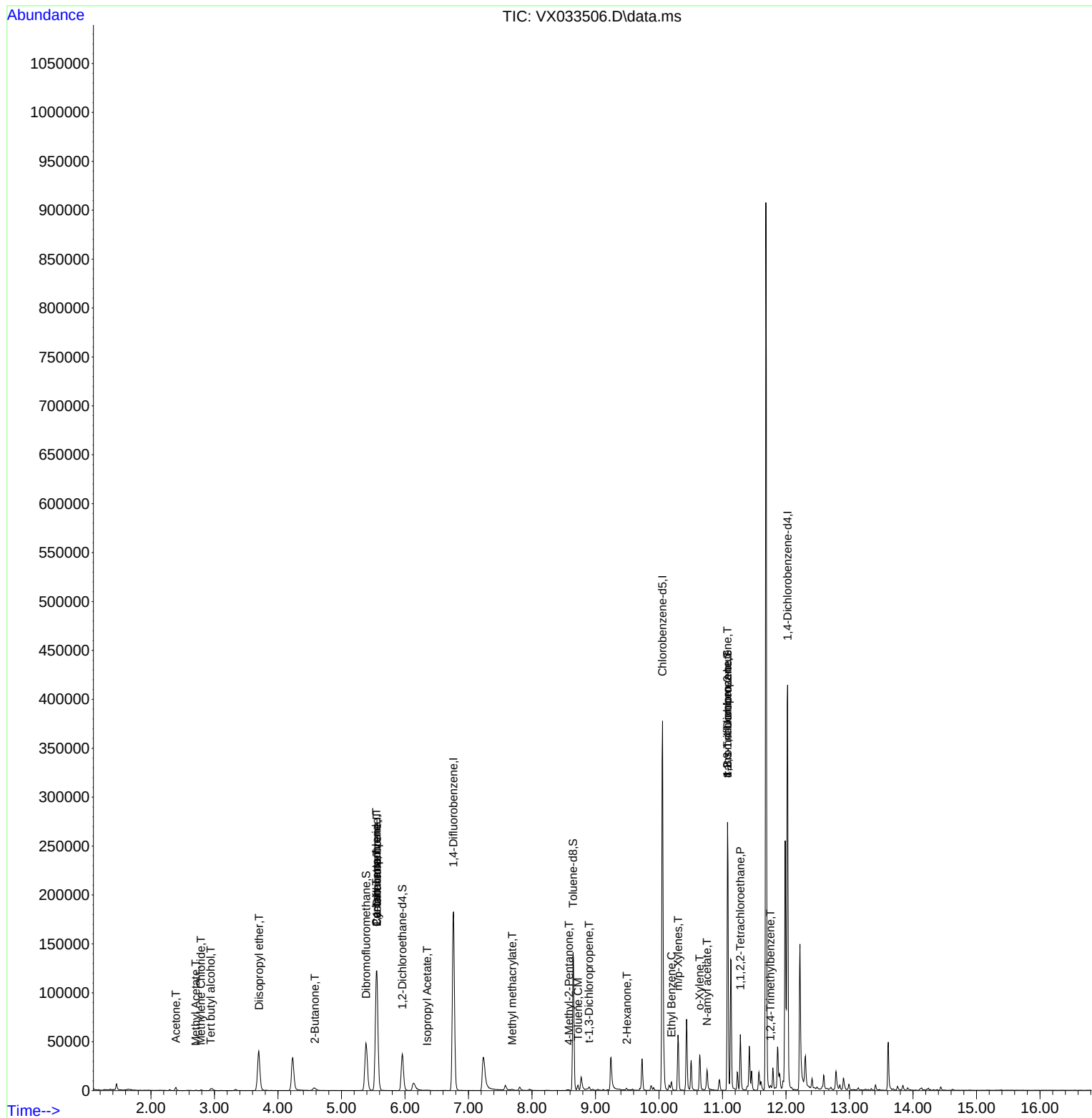
Internal Standards						
1) Pentafluorobenzene	5.556	168	121638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	192299	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	37081	47.518	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.040%
35) Dibromofluoromethane	5.385	113	42833	49.522	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.040%
50) Toluene-d8	8.647	98	86336	47.716	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.440%
62) 4-Bromofluorobenzene	11.079	95	70001	50.598	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.200%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	1622	6.799	ug/l #	72
16) Acetone	2.392	43	3529	6.111	ug/l	91
18) Methyl Acetate	2.703	43	567	0.339	ug/l #	86
20) Methylene Chloride	2.788	84	501	0.389	ug/l #	77
22) Diisopropyl ether	3.703	45	1048	0.278	ug/l #	1
25) 2-Butanone	4.581	43	490	0.591	ug/l #	47
31) Cyclohexane	5.556	56	2351	1.268	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	8886	5.270	ug/l #	50
38) Carbon Tetrachloride	5.550	117	12598	6.668	ug/l #	15
43) Isopropyl Acetate	6.349	43	815	0.318	ug/l #	61
48) Methyl methacrylate	7.690	41	991	0.749	ug/l #	36
51) 4-Methyl-2-Pentanone	8.580	43	532	0.328	ug/l #	72
52) Toluene	8.726	92	2194	0.690	ug/l	96
53) t-1,3-Dichloropropene	8.897	75	1133	3.042	ug/l #	43
59) 2-Hexanone	9.494	43	531	0.444	ug/l #	25
67) Ethyl Benzene	10.195	91	4571	0.746	ug/l	99
68) m/p-Xylenes	10.299	106	13117	5.503	ug/l	99
69) o-Xylene	10.640	106	7897	3.352	ug/l	96
74) N-amyl acetate	10.756	43	2701	1.258	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.281	83	2645	1.325	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	35554	20.134	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35554	62.631	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	1362	0.261	ug/l	85

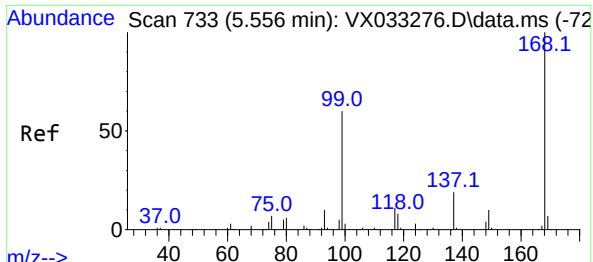
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WEST-1

Quant Time: Dec 21 04:14:34 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

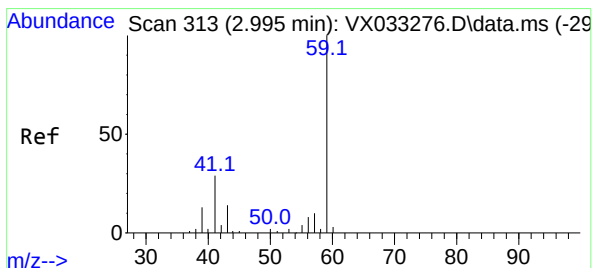
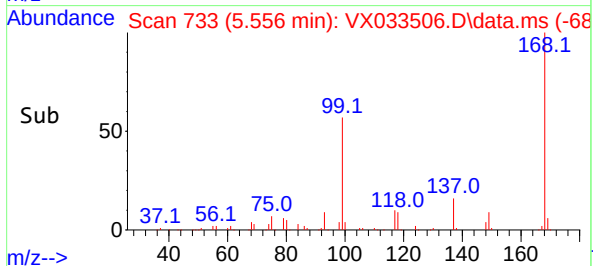
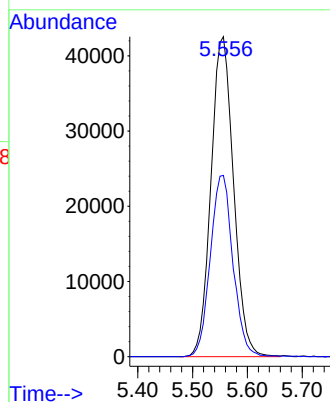
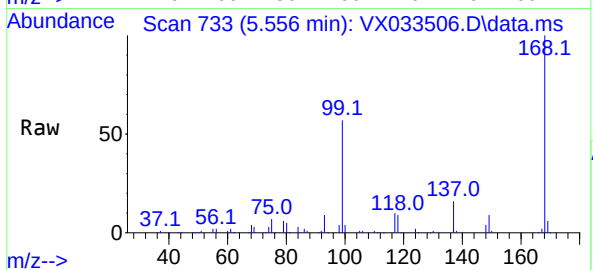




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

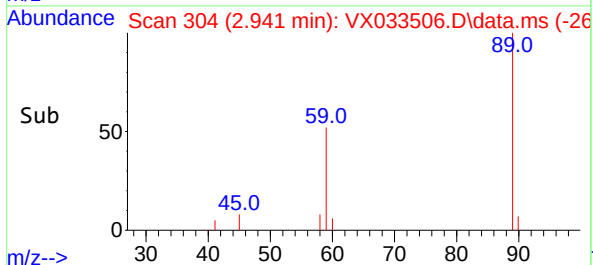
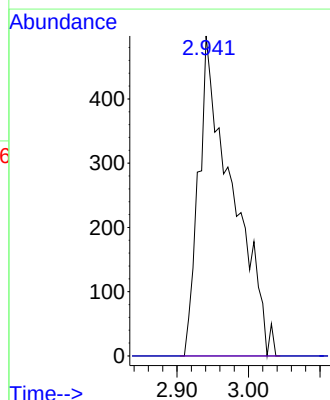
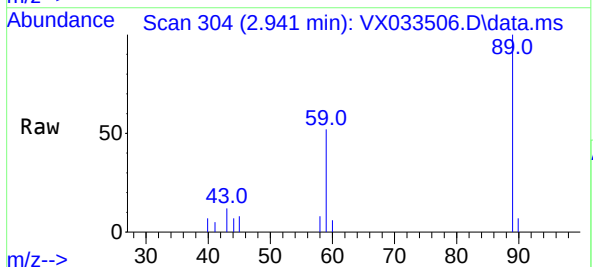
Instrument :
MSVOA_X
ClientSampleId :
WEST-1

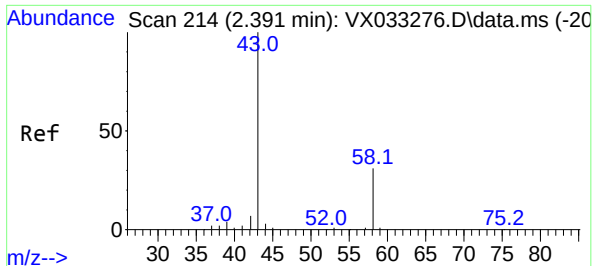
Tgt Ion:168 Resp: 121638
Ion Ratio Lower Upper
168 100
99 56.7 46.1 69.1



#11
Tert butyl alcohol
Concen: 6.799 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.054 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

Tgt Ion: 59 Resp: 1622
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

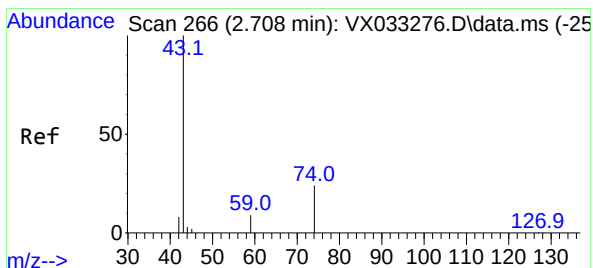
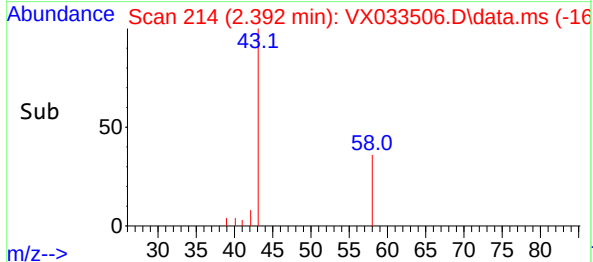
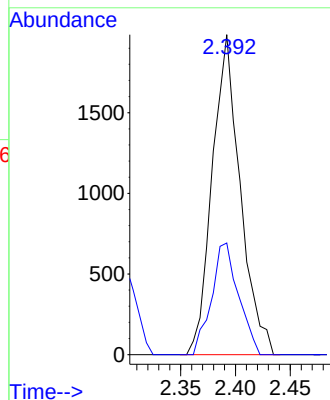
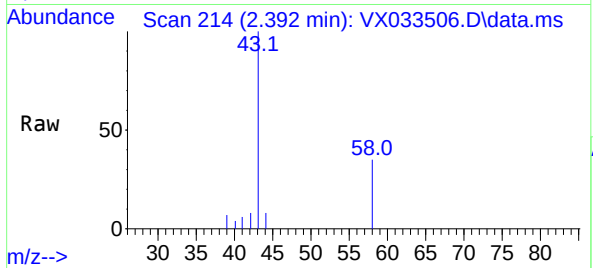




#16
Acetone
Concen: 6.111 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

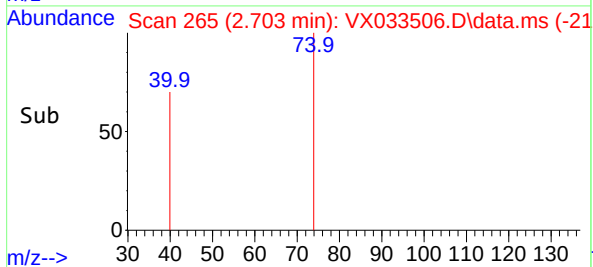
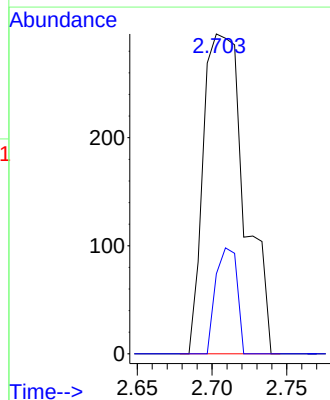
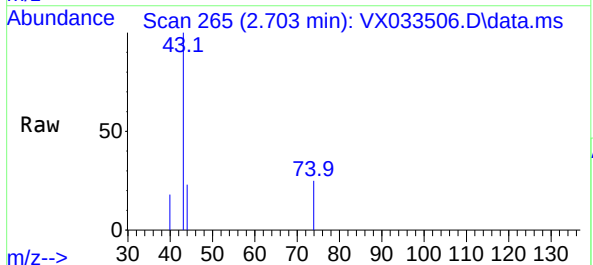
Instrument :
MSVOA_X
ClientSampleId :
WEST-1

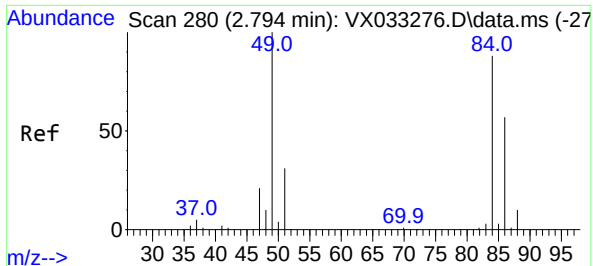
Tgt Ion: 43 Resp: 3529
Ion Ratio Lower Upper
43 100
58 34.9 23.8 35.8



#18
Methyl Acetate
Concen: 0.339 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
74 17.1 19.4 29.0#



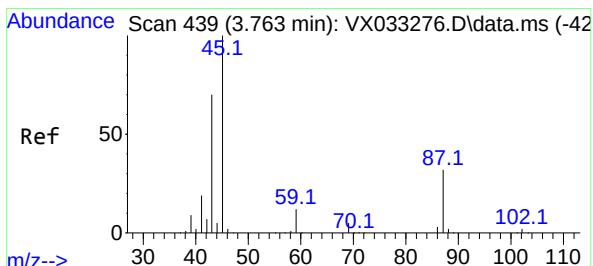
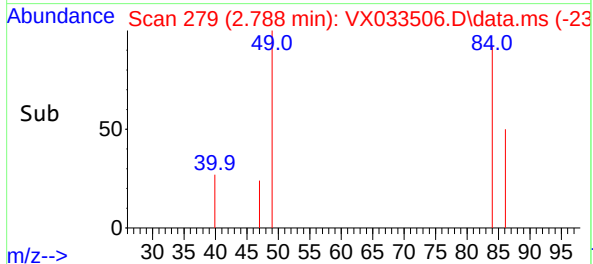
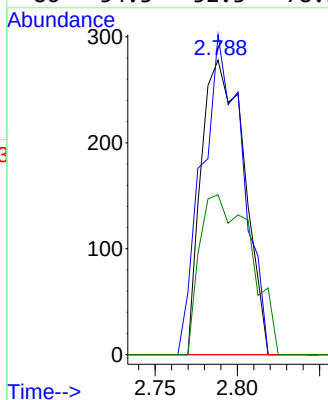
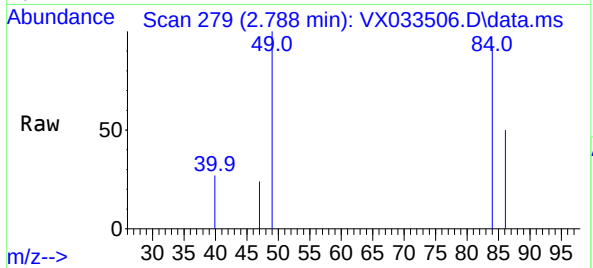


#20
Methylene Chloride
Concen: 0.389 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

Instrument :
MSVOA_X
ClientSampleId :
WEST-1

Tgt Ion: 84 Resp: 501

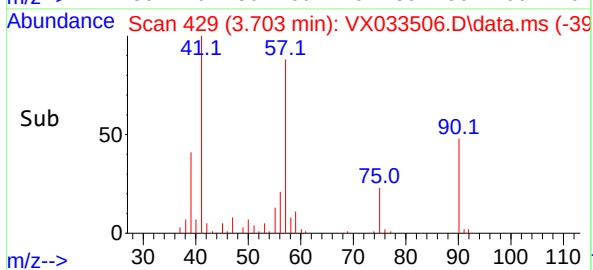
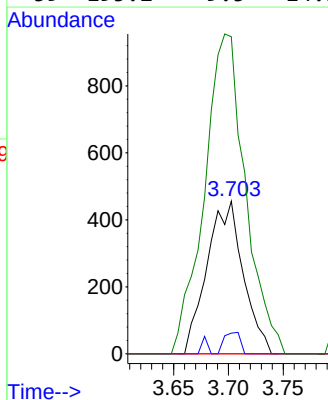
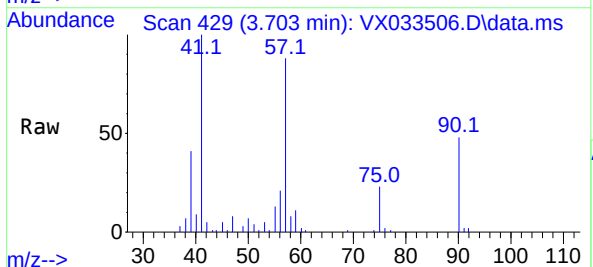
Ion	Ratio	Lower	Upper
84	100		
49	108.6	101.0	151.6
51	0.0	31.1	46.7#
86	54.3	52.3	78.5

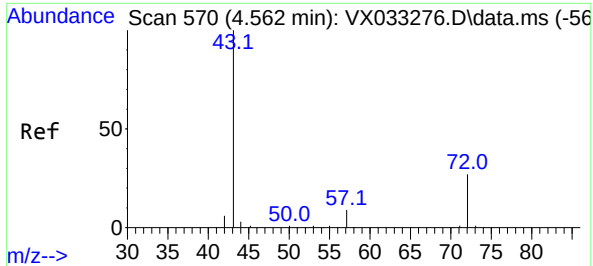


#22
Diisopropyl ether
Concen: 0.278 ug/l
RT: 3.703 min Scan# 429
Delta R.T. -0.060 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

Tgt Ion: 45 Resp: 1048

Ion	Ratio	Lower	Upper
45	100		
43	13.6	56.4	84.6#
87	0.0	24.4	36.6#
59	195.2	9.5	14.3#

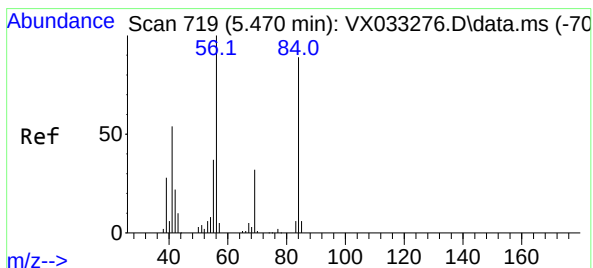
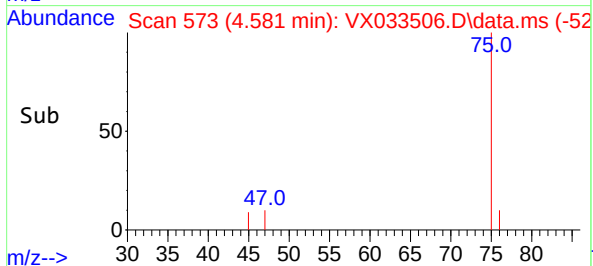
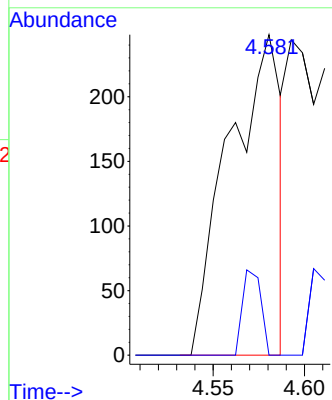
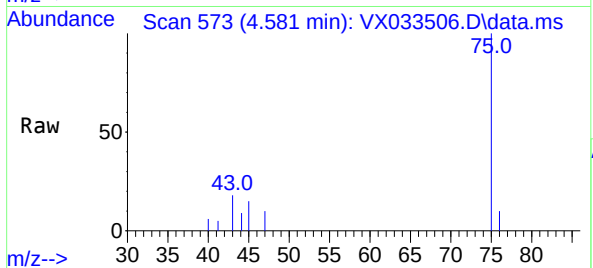




#25
2-Butanone
Concen: 0.591 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

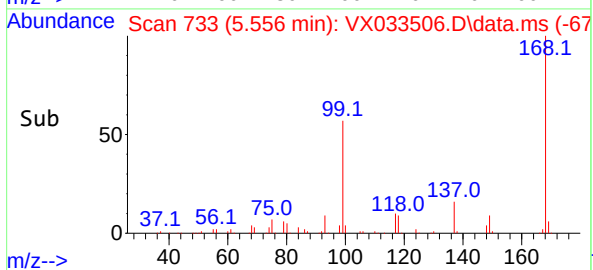
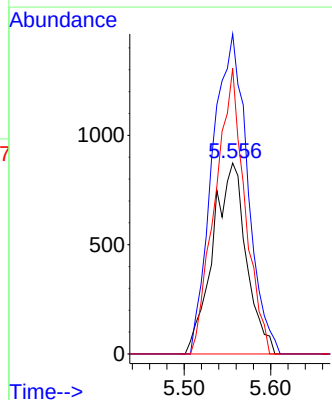
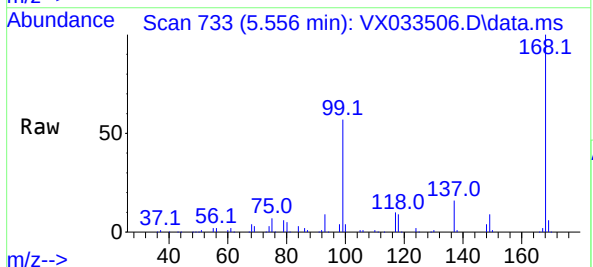
Instrument :
MSVOA_X
ClientSampleId :
WEST-1

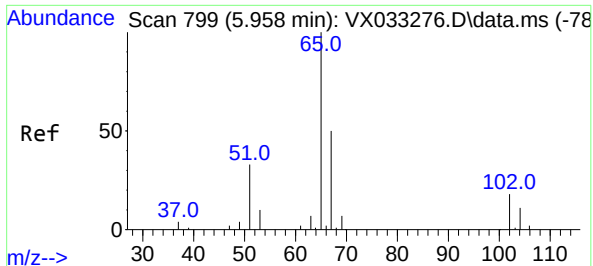
Tgt Ion: 43 Resp: 490
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

Tgt Ion: 56 Resp: 2351
Ion Ratio Lower Upper
56 100
69 167.7 24.1 36.1#
84 149.7 66.9 100.3#

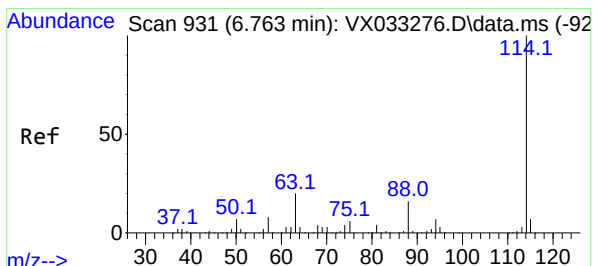
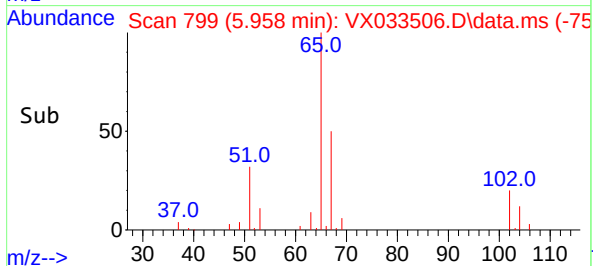
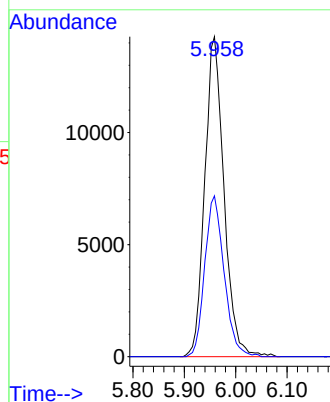
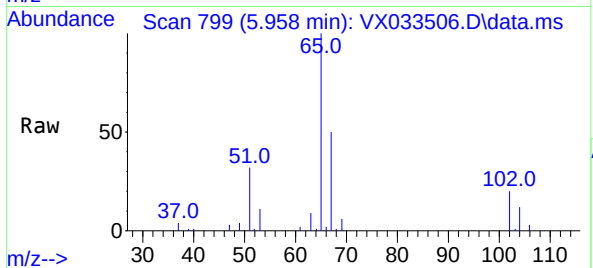




#33
1,2-Dichloroethane-d4
Concen: 47.518 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

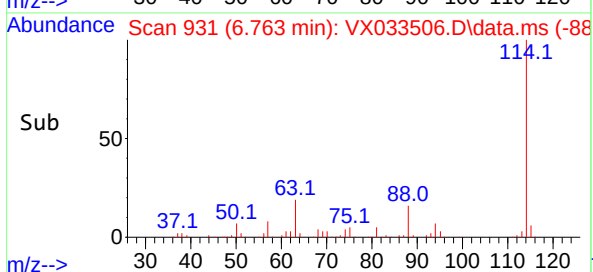
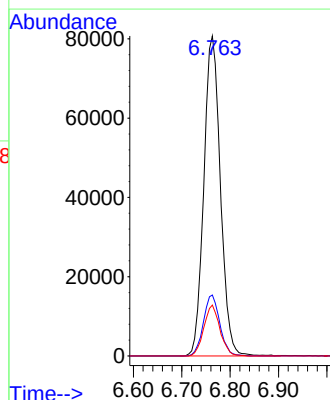
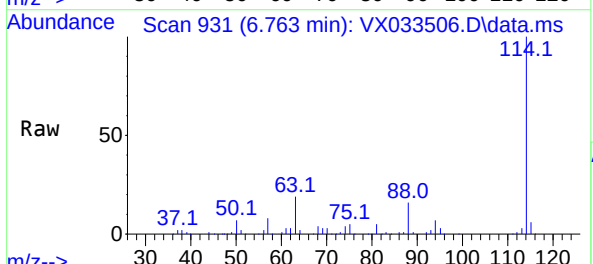
Instrument :
MSVOA_X
ClientSampleId :
WEST-1

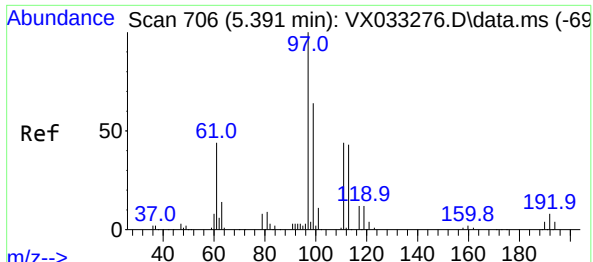
Tgt Ion: 65 Resp: 37081
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

Tgt Ion: 114 Resp: 192299
Ion Ratio Lower Upper
114 100
63 19.1 0.0 41.6
88 15.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.522 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX033506.D

Acq: 20 Dec 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

WEST-1

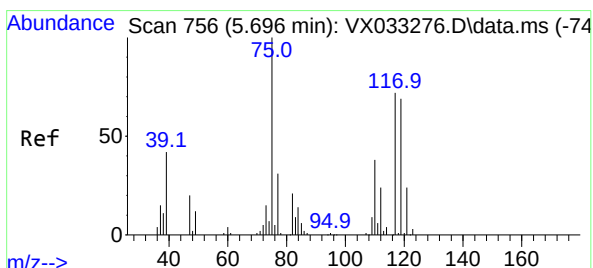
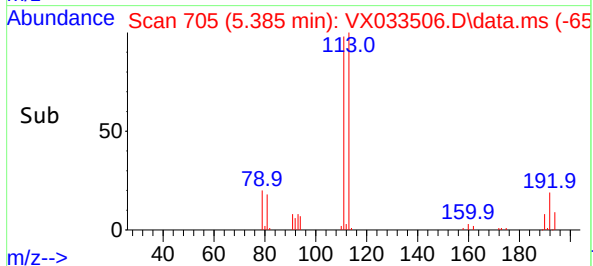
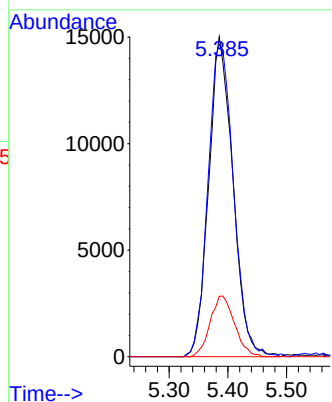
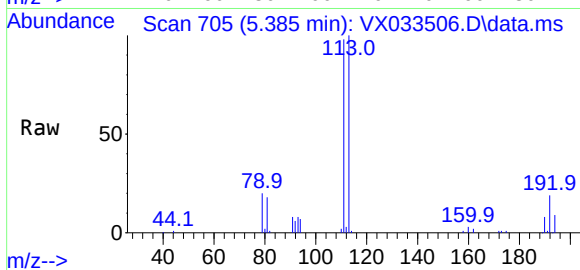
Tgt Ion:113 Resp: 42833

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

192 19.2 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.270 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX033506.D

Acq: 20 Dec 2022 14:31

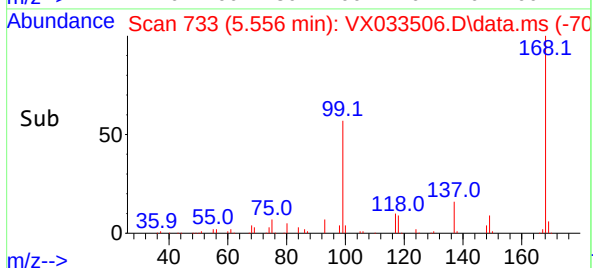
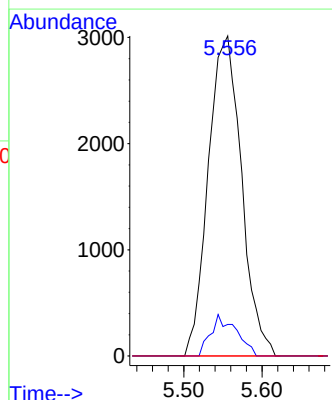
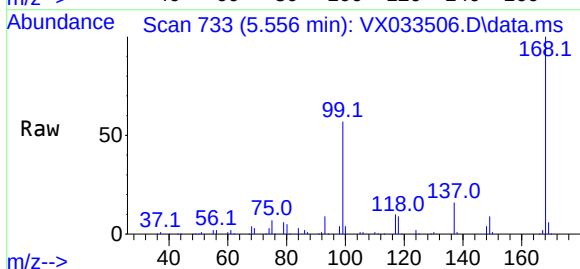
Tgt Ion: 75 Resp: 8886

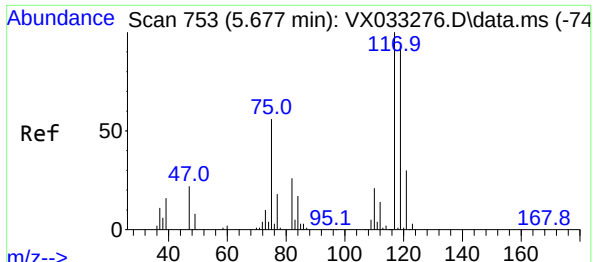
Ion Ratio Lower Upper

75 100

110 9.9 18.4 55.2#

77 0.0 24.5 36.7#

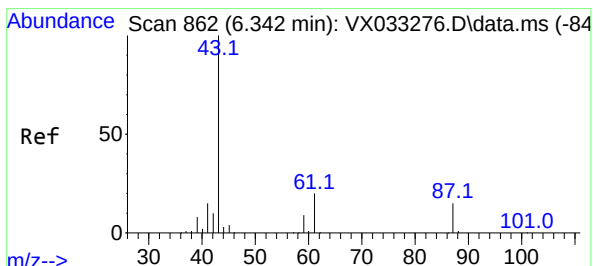
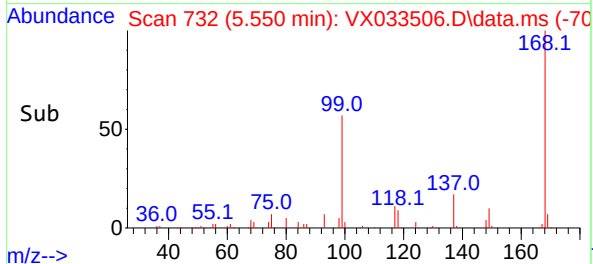
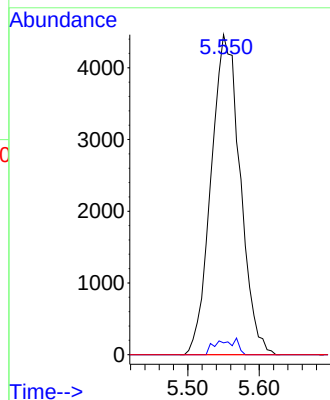
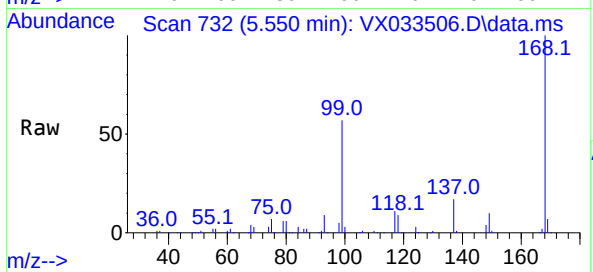




#38
Carbon Tetrachloride
Concen: 6.668 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

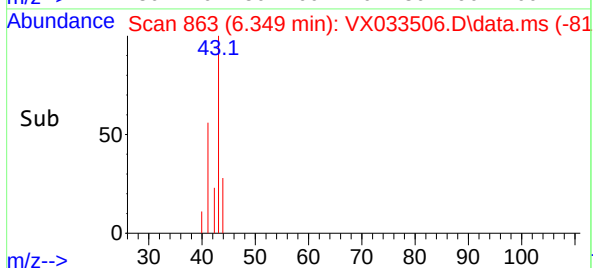
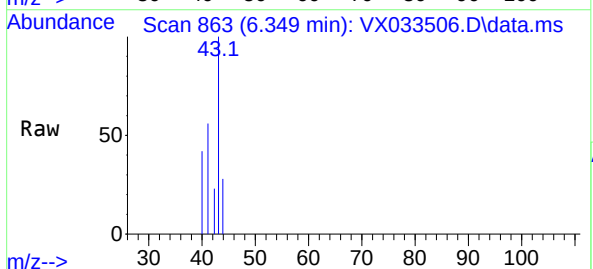
Instrument :
MSVOA_X
ClientSampleId :
WEST-1

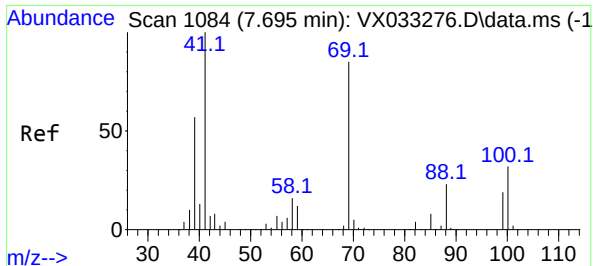
Tgt Ion:117 Resp: 12598
Ion Ratio Lower Upper
117 100
119 3.7 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 0.318 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.007 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

Tgt Ion: 43 Resp: 815
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 0.0 10.8 16.2#





#48

Methyl methacrylate

Concen: 0.749 ug/l

RT: 7.690 min Scan# 1084

Delta R.T. -0.006 min

Lab File: VX033506.D

Acq: 20 Dec 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

WEST-1

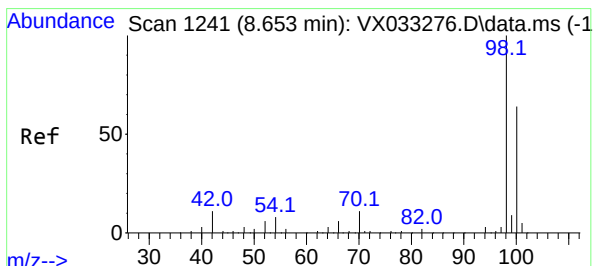
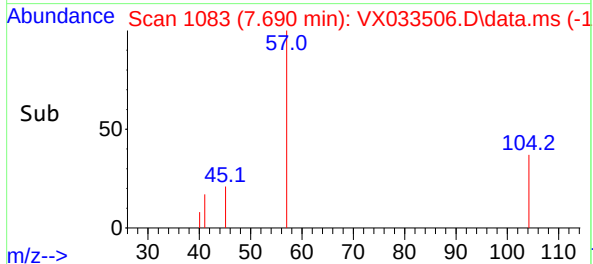
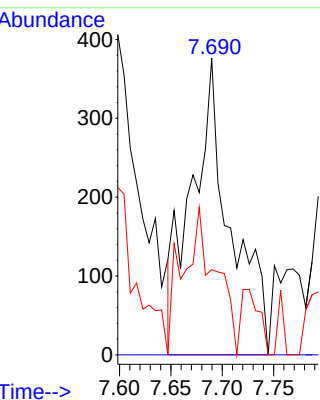
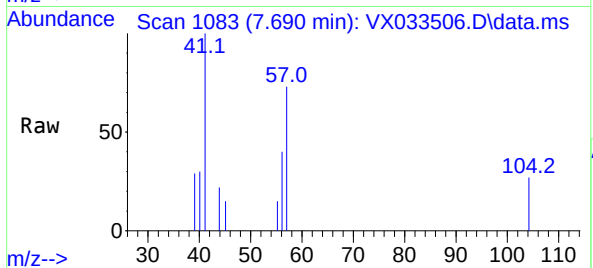
Tgt Ion: 41 Resp: 991

Ion Ratio Lower Upper

41 100

69 0.0 65.1 97.7#

39 41.9 51.9 77.9#



#50

Toluene-d8

Concen: 47.716 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033506.D

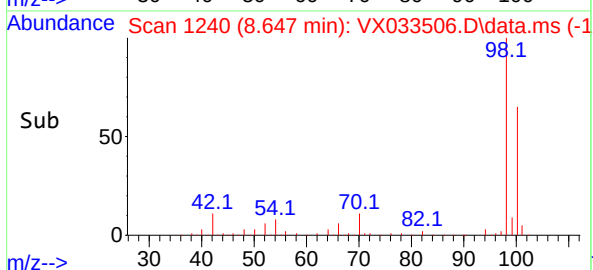
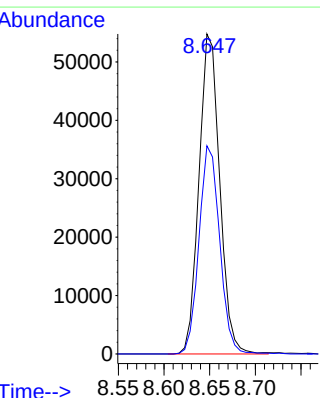
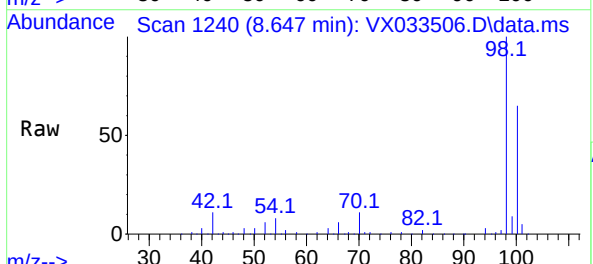
Acq: 20 Dec 2022 14:31

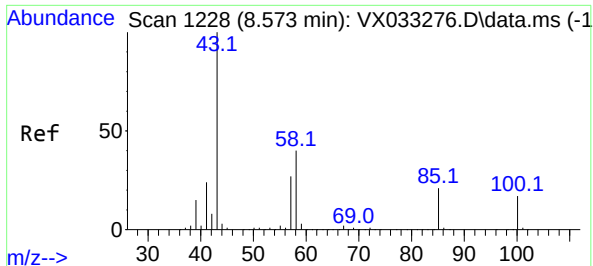
Tgt Ion: 98 Resp: 86336

Ion Ratio Lower Upper

98 100

100 65.0 50.9 76.3

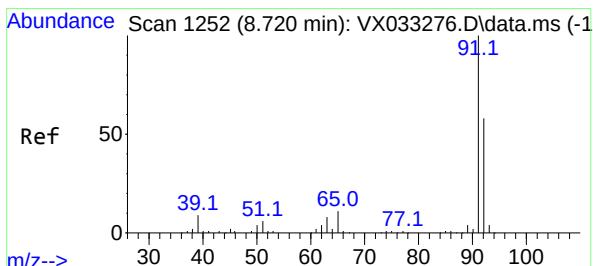
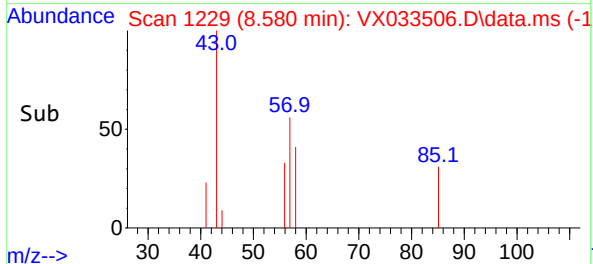
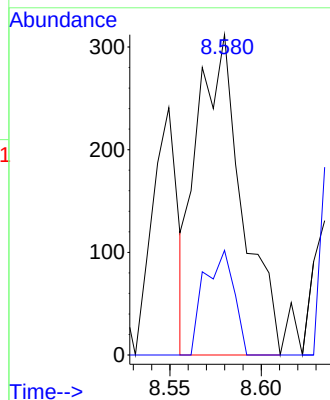
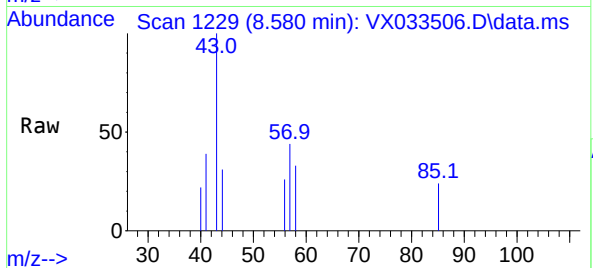




#51
4-Methyl-2-Pentanone
Concen: 0.328 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

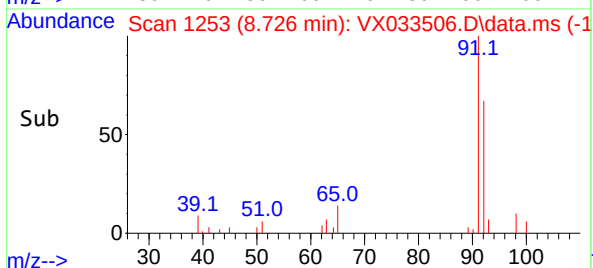
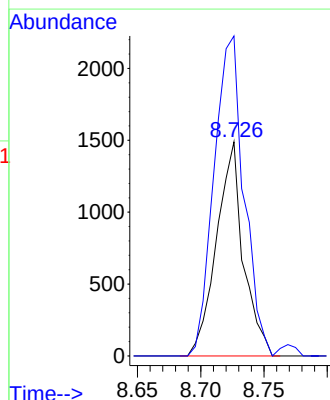
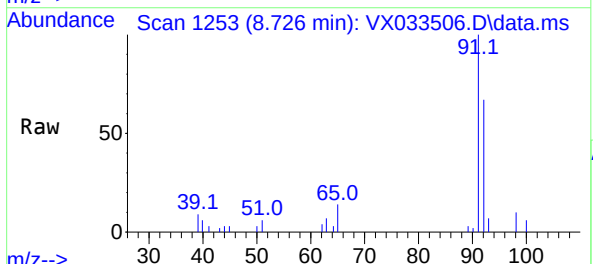
Instrument :
MSVOA_X
ClientSampleId :
WEST-1

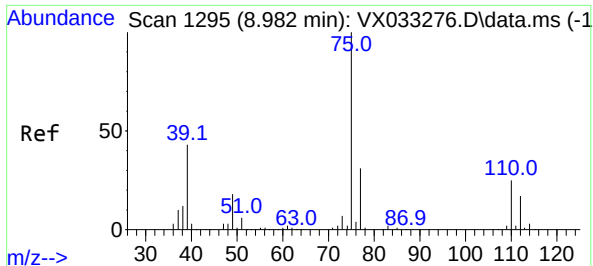
Tgt Ion: 43 Resp: 532
Ion Ratio Lower Upper
43 100
58 21.6 30.9 46.3#



#52
Toluene
Concen: 0.690 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.007 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

Tgt Ion: 92 Resp: 2194
Ion Ratio Lower Upper
92 100
91 167.3 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 3.042 ug/l

RT: 8.897 min Scan# 11

Delta R.T. -0.085 min

Lab File: VX033506.D

Acq: 20 Dec 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

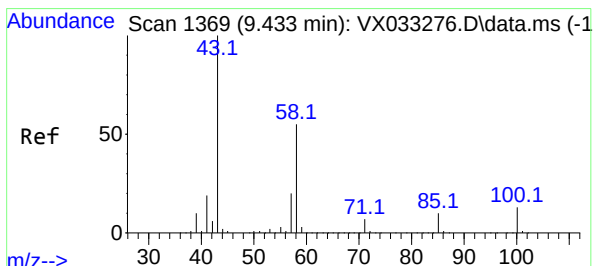
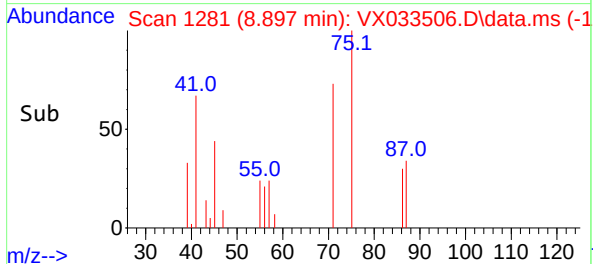
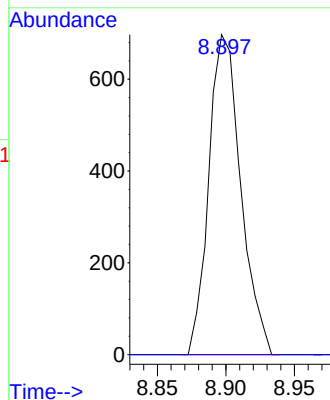
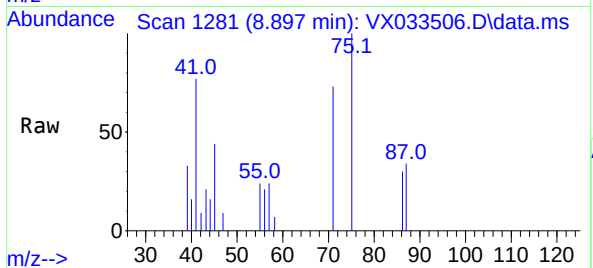
WEST-1

Tgt Ion: 75 Resp: 1133

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#59

2-Hexanone

Concen: 0.444 ug/l

RT: 9.494 min Scan# 1379

Delta R.T. 0.061 min

Lab File: VX033506.D

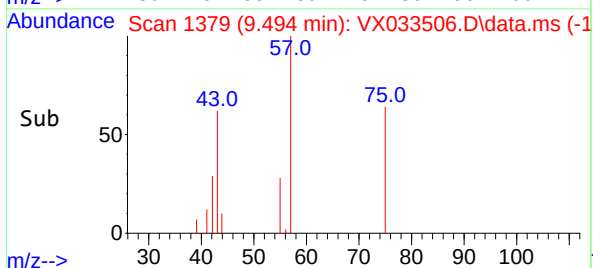
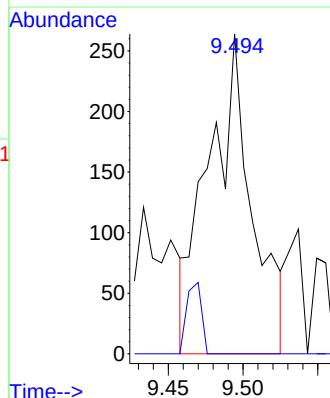
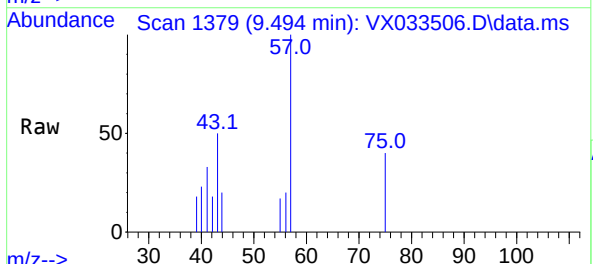
Acq: 20 Dec 2022 14:31

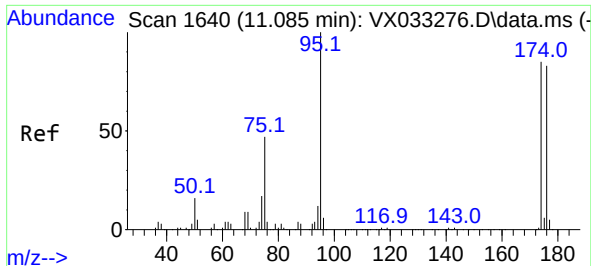
Tgt Ion: 43 Resp: 531

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.5#

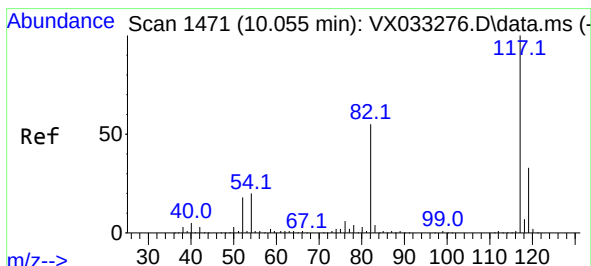
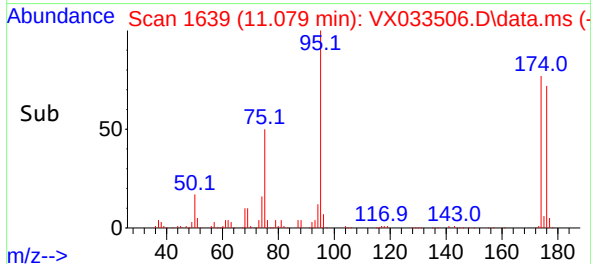
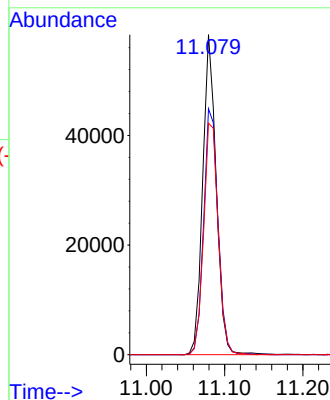
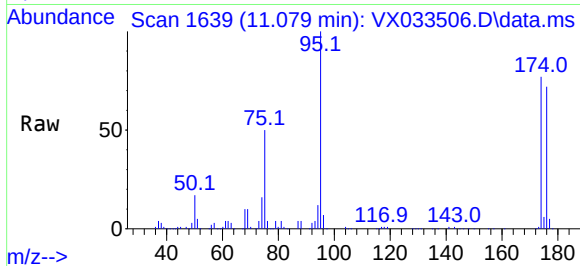




#62
4-Bromofluorobenzene
Concen: 50.598 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

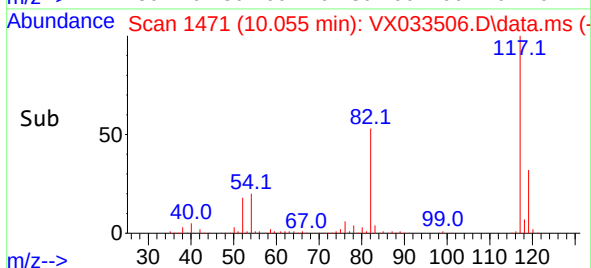
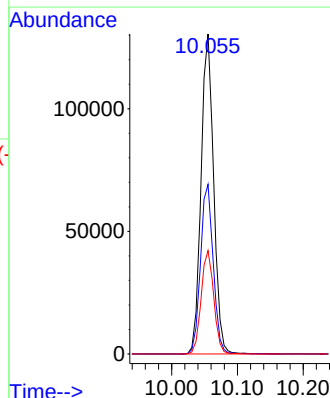
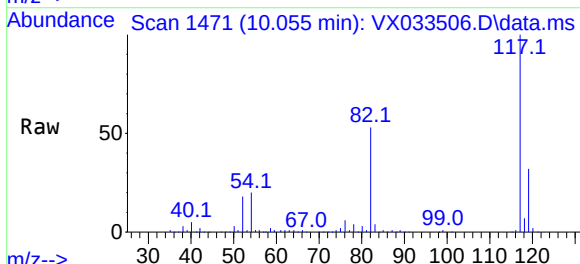
Instrument :
MSVOA_X
ClientSampleId :
WEST-1

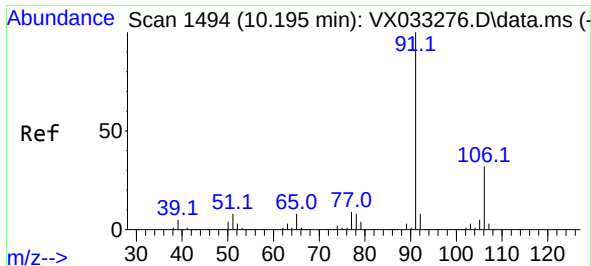
Tgt Ion: 95 Resp: 70001
Ion Ratio Lower Upper
95 100
174 81.6 0.0 164.0
176 78.1 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

Tgt Ion: 117 Resp: 173669
Ion Ratio Lower Upper
117 100
82 53.0 44.3 66.5
119 32.3 25.7 38.5

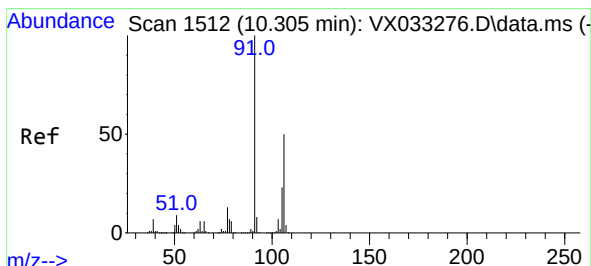
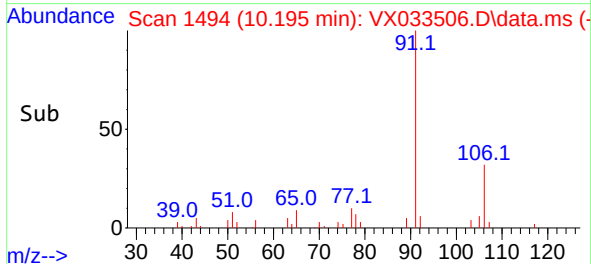
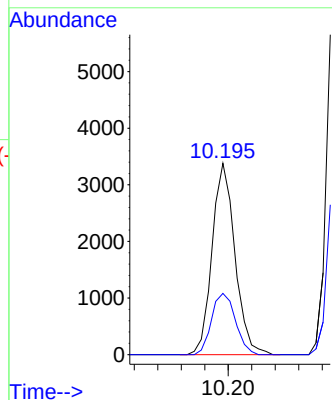
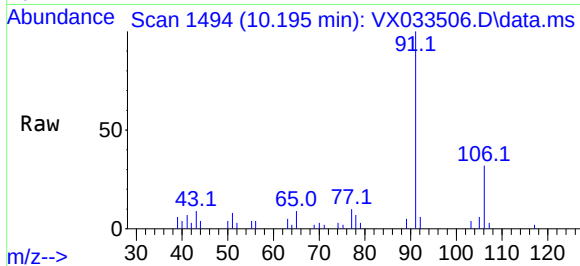




#67
Ethyl Benzene
Concen: 0.746 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

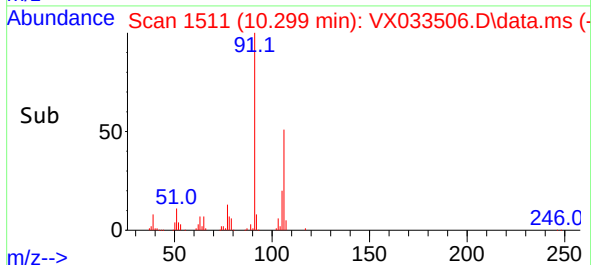
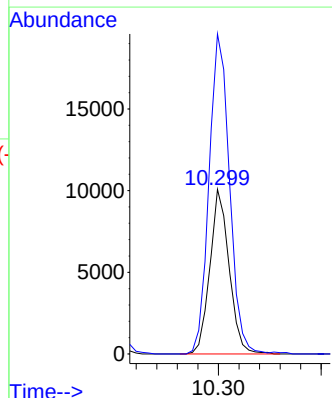
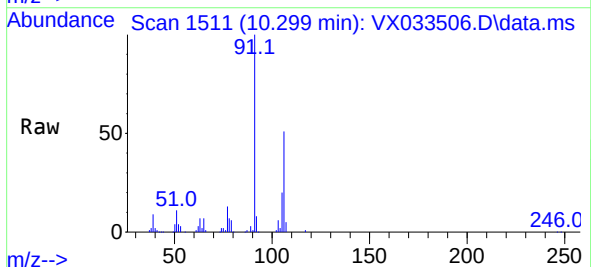
Instrument :
MSVOA_X
ClientSampleId :
WEST-1

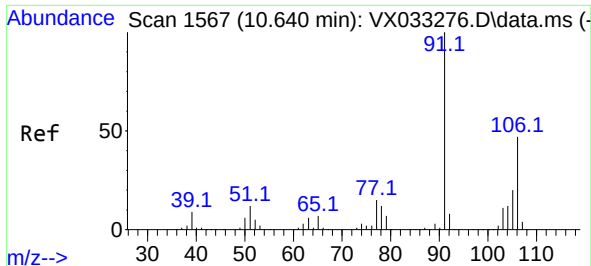
Tgt Ion: 91 Resp: 4571
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.6



#68
m/p-Xylenes
Concen: 5.503 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

Tgt Ion: 106 Resp: 13117
Ion Ratio Lower Upper
106 100
91 207.3 164.5 246.7

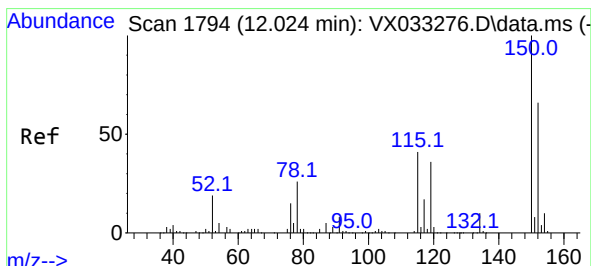
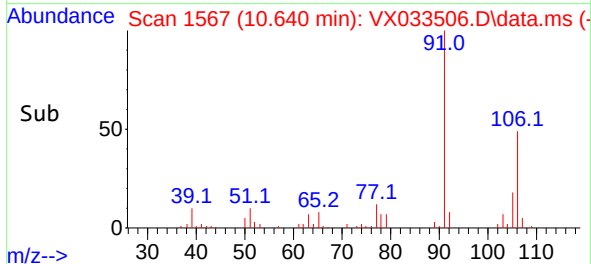
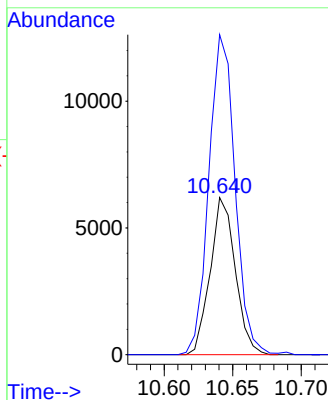
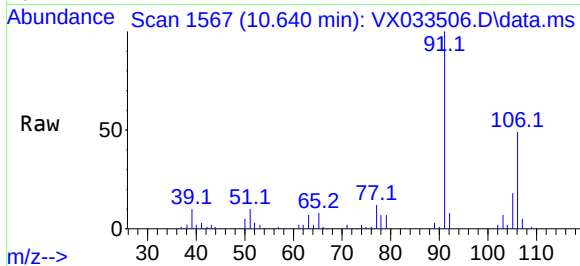




#69
o-Xylene
Concen: 3.352 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

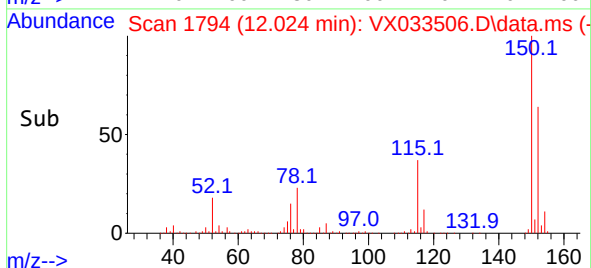
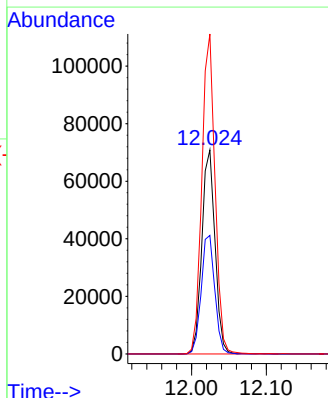
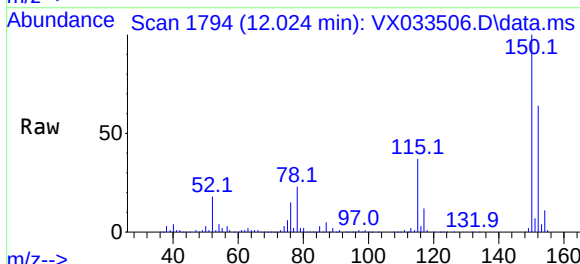
Instrument :
MSVOA_X
ClientSampleId :
WEST-1

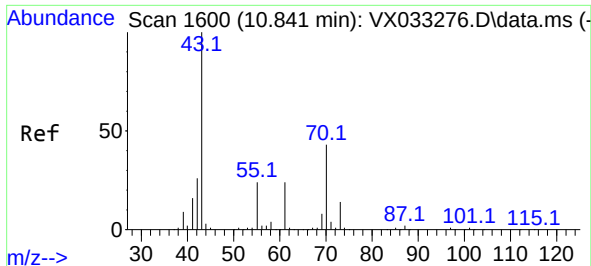
Tgt Ion:106 Resp: 7897
Ion Ratio Lower Upper
106 100
91 212.5 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

Tgt Ion:152 Resp: 86795
Ion Ratio Lower Upper
152 100
115 59.9 44.0 132.0
150 156.6 0.0 351.8

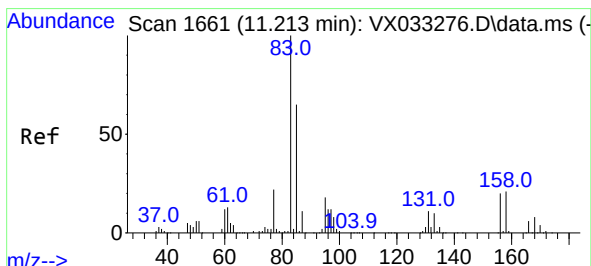
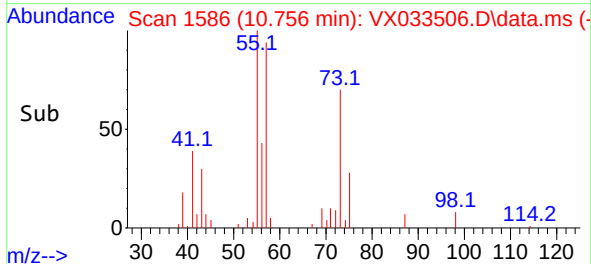
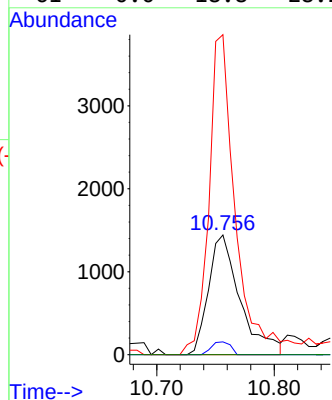
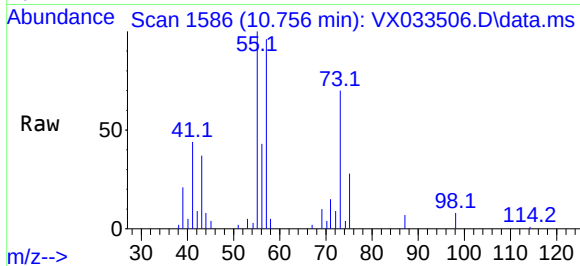




#74
N-amy1 acetate
Concen: 1.258 ug/l
RT: 10.756 min Scan# 11
Delta R.T. -0.085 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

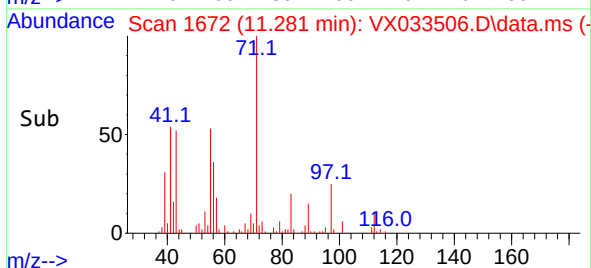
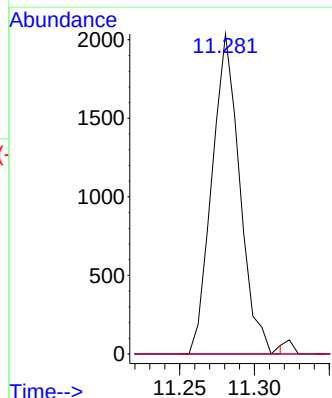
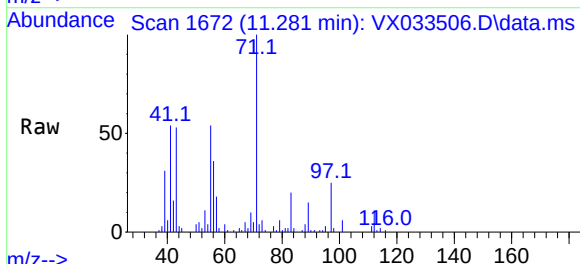
Instrument :
MSVOA_X
ClientSampleId :
WEST-1

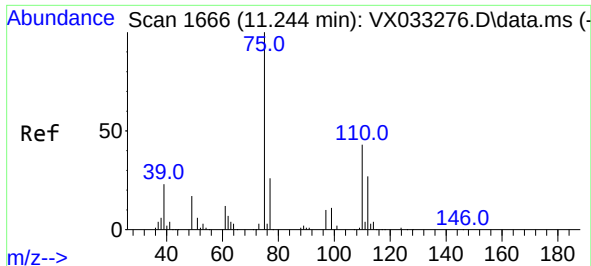
Tgt Ion:	43	Resp:	2701
Ion	Ratio	Lower	Upper
43	100		
70	6.4	33.6	50.4#
55	225.4	19.4	29.2#
61	0.0	18.8	28.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.325 ug/l
RT: 11.281 min Scan# 1672
Delta R.T. 0.068 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

Tgt Ion:	83	Resp:	2645
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.4	16.2#
85	0.0	31.9	95.9#

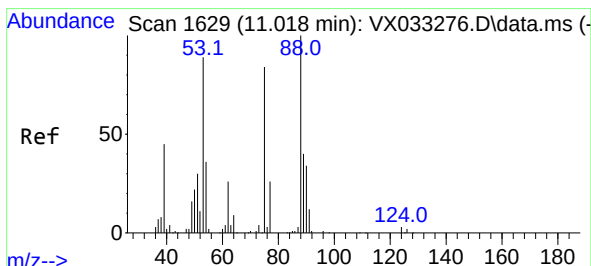
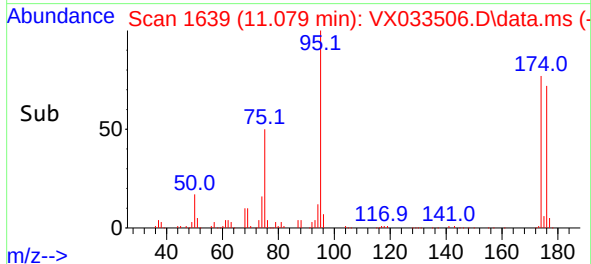
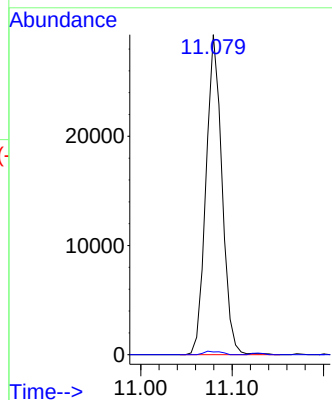
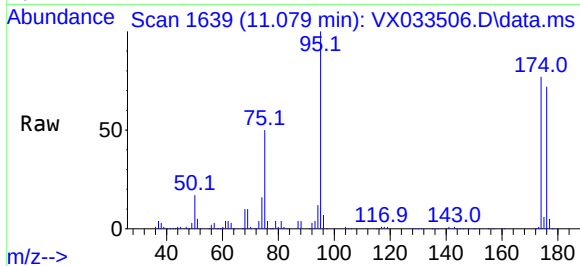




#76
1,2,3-Trichloropropane
Concen: 20.134 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

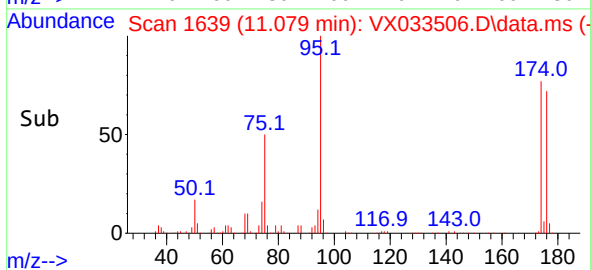
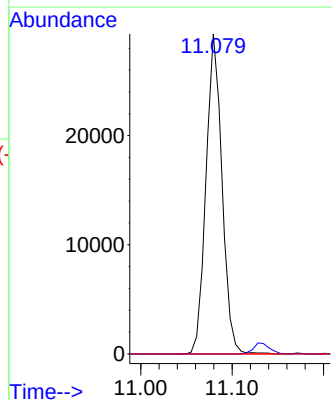
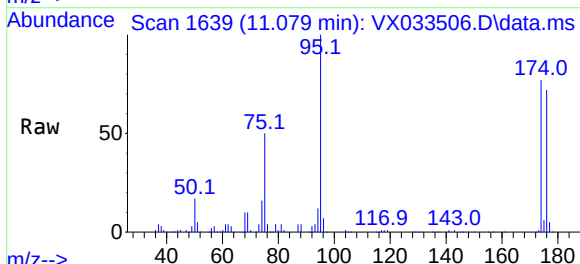
Instrument :
MSVOA_X
ClientSampleId :
WEST-1

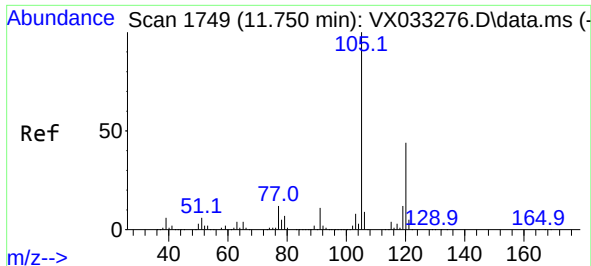
Tgt Ion: 75 Resp: 35554
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.631 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033506.D
Acq: 20 Dec 2022 14:31

Tgt Ion: 75 Resp: 35554
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.261 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. 0.007 min
 Lab File: VX033506.D
 Acq: 20 Dec 2022 14:31

Instrument :
 MSVOA_X
 ClientSampleId :
 WEST-1

Tgt Ion:105 Resp: 1362
 Ion Ratio Lower Upper
 105 100
 120 34.1 21.9 65.5

