

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032394.D
 Acq On : 26 Oct 2022 03:16
 Operator : JC/MD
 Sample : N5267-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP7-1024

Quant Time: Oct 27 14:22:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	138580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222613	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88827	49.272	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.540%		
35) Dibromofluoromethane	5.391	113	70493	45.506	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.020%		
50) Toluene-d8	8.647	98	262833	47.134	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.260%		
62) 4-Bromofluorobenzene	11.079	95	93665	45.871	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.740%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	174	Below Cal	#	44
6) Chloroethane	1.758	64	19	1.966	ug/l #	41
11) Tert butyl alcohol	2.953	59	1903	Below Cal	#	74
13) Acrolein	2.239	56	141	0.642	ug/l #	31
16) Acetone	2.380	43	15507	26.506	ug/l	98
18) Methyl Acetate	2.697	43	1535	0.773	ug/l	92
20) Methylene Chloride	2.788	84	7004	4.662	ug/l	92
25) 2-Butanone	4.574	43	1894	2.074	ug/l	97
29) Tetrahydrofuran	5.025	42	170	0.288	ug/l #	31
31) Cyclohexane	5.556	56	2994	1.453	ug/l #	13
36) 1,1-Dichloropropene	5.550	75	10690	5.365	ug/l #	50
37) Ethyl Acetate	4.715	43	15957	8.179	ug/l	99
38) Carbon Tetrachloride	5.550	117	14432	6.861	ug/l #	17
43) Isopropyl Acetate	6.342	43	68895	22.499	ug/l	99
48) Methyl methacrylate	7.799	41	63093	41.313	ug/l #	43
49) 1,4-Dioxane	7.793	88	19	0.620	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	58109	30.272	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	418	1.997	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	25728	11.503	ug/l #	63
56) Ethyl methacrylate	9.244	69	470	0.215	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3145	1.278	ug/l #	42
59) 2-Hexanone	9.482	43	45361	31.670	ug/l #	50
74) N-amyl acetate	10.640	43	16174	6.550	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	51062	27.511	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	51062	84.418	ug/l #	6

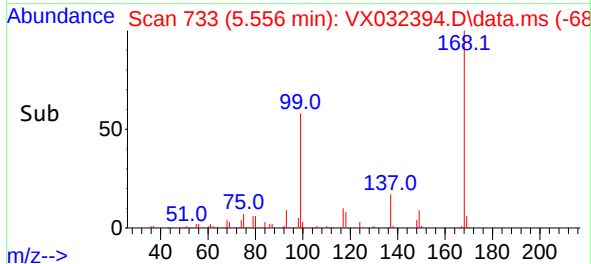
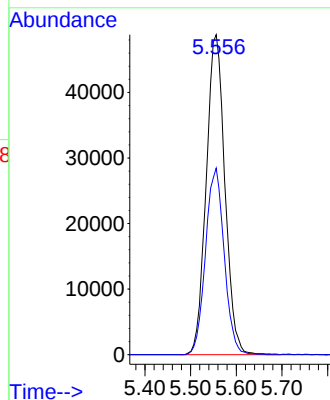
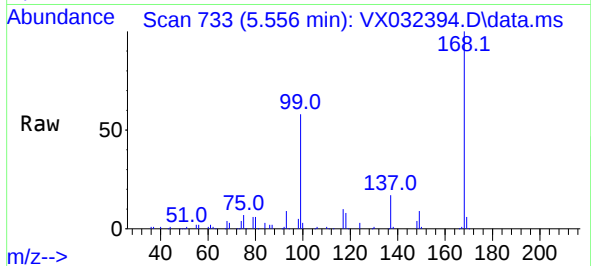
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

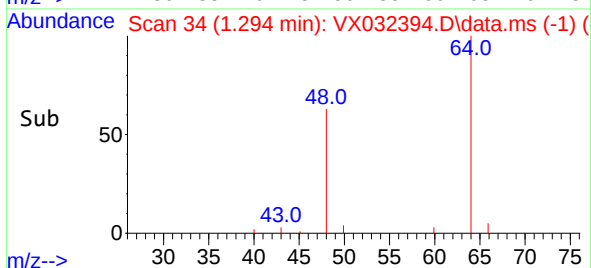
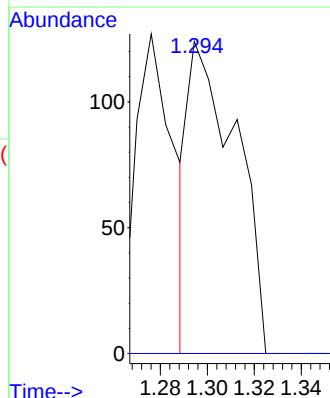
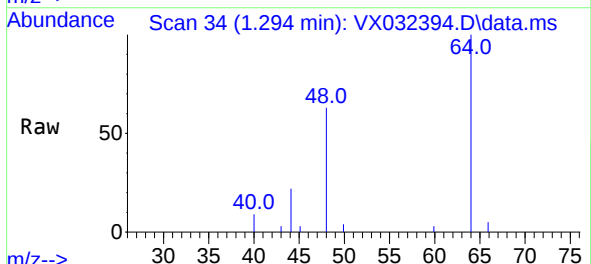
Instrument :
MSVOA_X
ClientSampleId :
TP7-1024

Tgt Ion:168 Resp: 138580
Ion Ratio Lower Upper
168 100
99 58.3 44.8 67.2

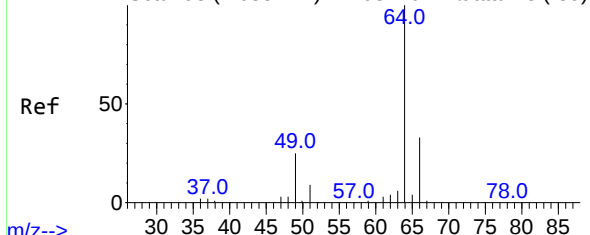


#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

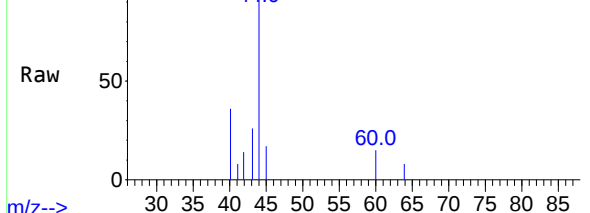
Tgt Ion: 50 Resp: 174
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



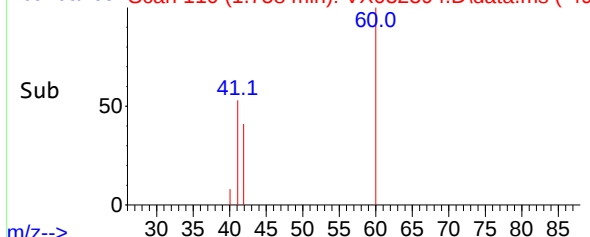
Abundance Scan 98 (1.685 min): VX032201.D\data.ms (-89)



m/z--> Scan 110 (1.758 min): VX032394.D\data.ms



Abundance Scan 110 (1.758 min): VX032394.D\data.ms (-49)



m/z-->

#6

Chloroethane

Concen: 1.966 ug/l

RT: 1.758 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX032394.D

Acq: 26 Oct 2022 03:16

Instrument :

MSVOA_X

ClientSampleId :

TP7-1024

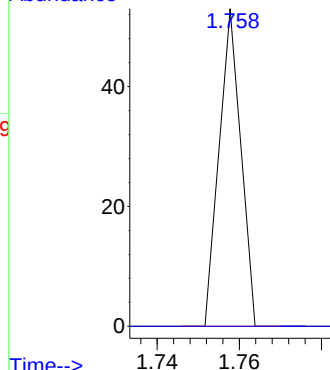
Tgt Ion: 64 Resp: 19

Ion Ratio Lower Upper

64 100

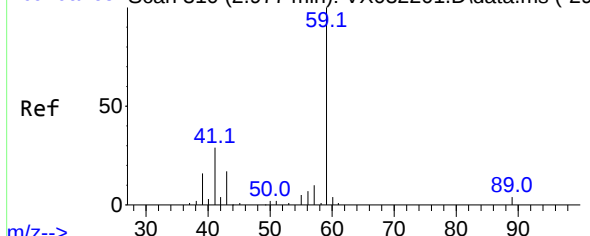
66 0.0 26.6 39.8#

Abundance

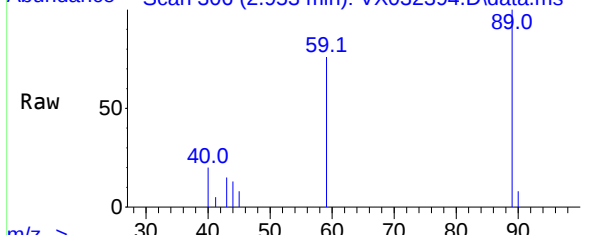


Time-->

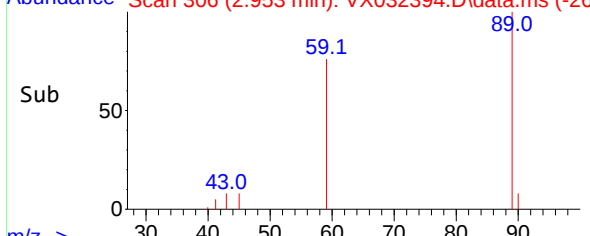
Abundance Scan 310 (2.977 min): VX032201.D\data.ms (-29)



m/z--> Scan 306 (2.953 min): VX032394.D\data.ms



Abundance Scan 306 (2.953 min): VX032394.D\data.ms (-26)



m/z-->

#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 306

Delta R.T. -0.024 min

Lab File: VX032394.D

Acq: 26 Oct 2022 03:16

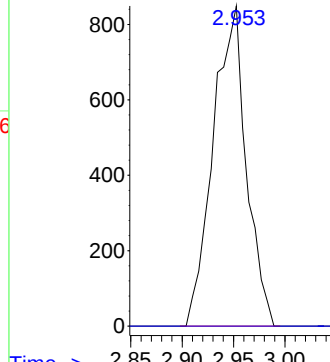
Tgt Ion: 59 Resp: 1903

Ion Ratio Lower Upper

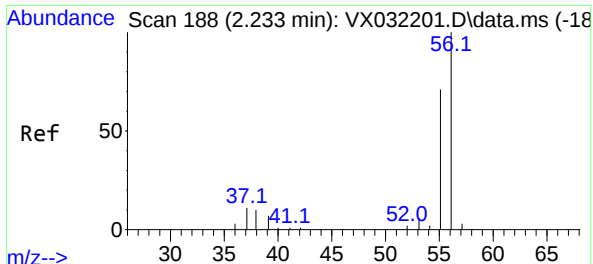
59 100

57 0.0 7.5 11.3#

Abundance



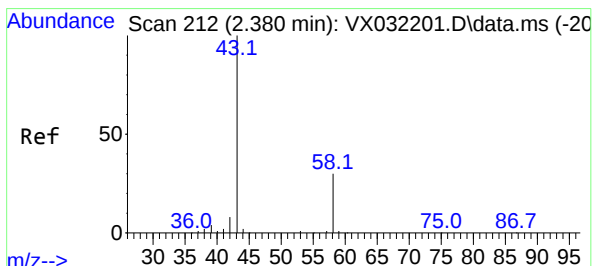
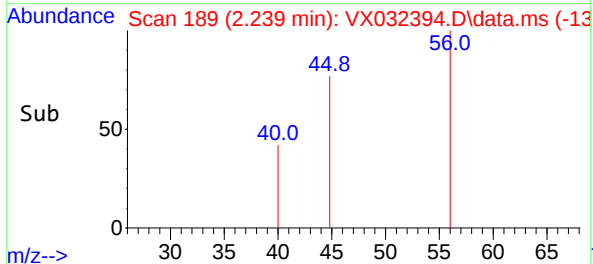
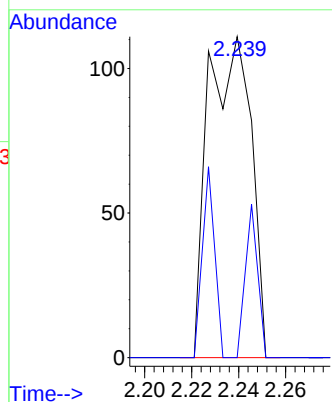
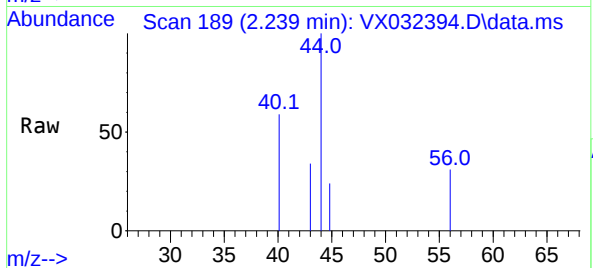
Time-->



#13
Acrolein
Concen: 0.642 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

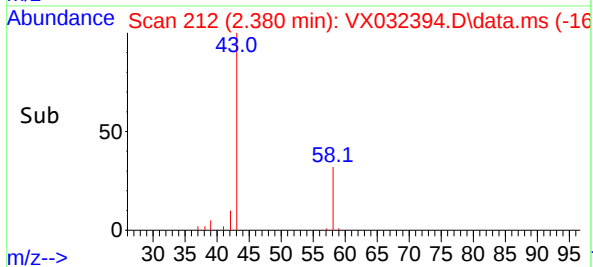
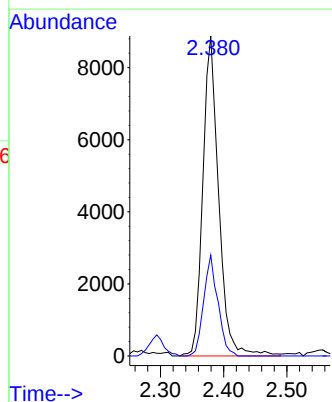
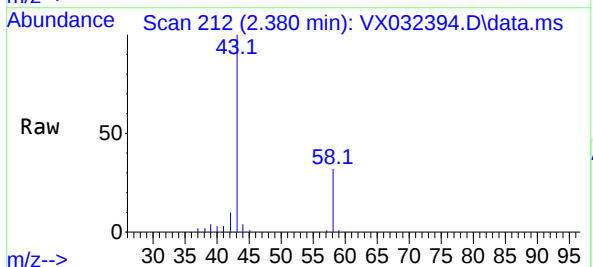
Instrument :
MSVOA_X
ClientSampleId :
TP7-1024

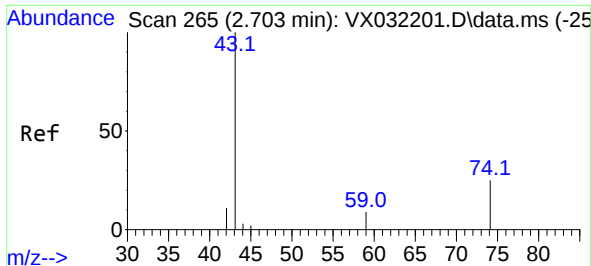
Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
55 13.5 56.4 84.6#



#16
Acetone
Concen: 26.506 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

Tgt Ion: 43 Resp: 15507
Ion Ratio Lower Upper
43 100
58 31.6 24.2 36.2





#18

Methyl Acetate

Concen: 0.773 ug/l

RT: 2.697 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX032394.D

Acq: 26 Oct 2022 03:16

Instrument :

MSVOA_X

ClientSampleId :

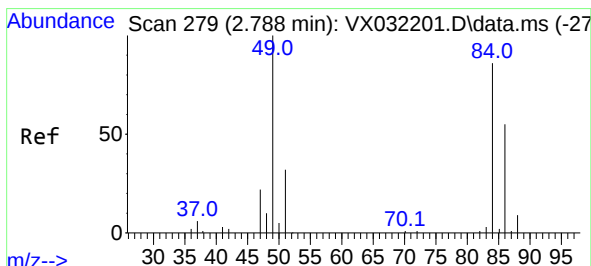
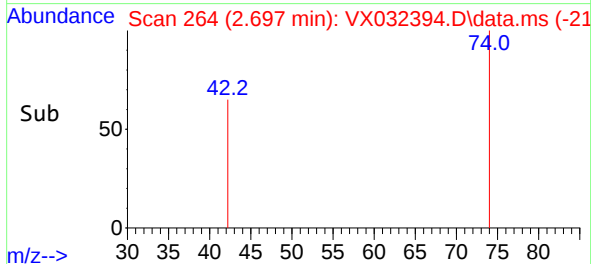
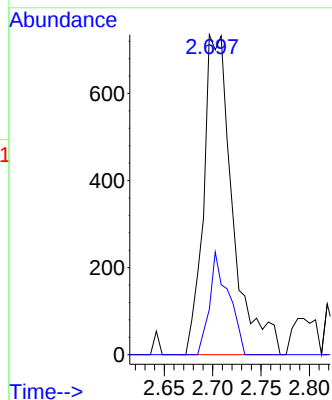
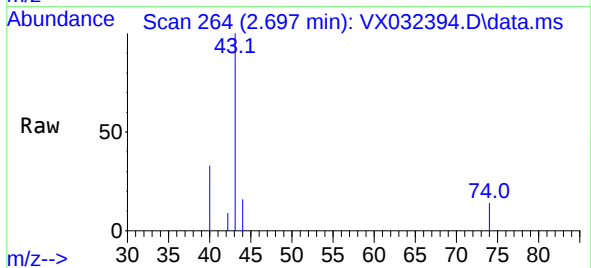
TP7-1024

Tgt Ion: 43 Resp: 1535

Ion Ratio Lower Upper

43 100

74 21.0 19.8 29.8



#20

Methylene Chloride

Concen: 4.662 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX032394.D

Acq: 26 Oct 2022 03:16

Tgt Ion: 84 Resp: 7004

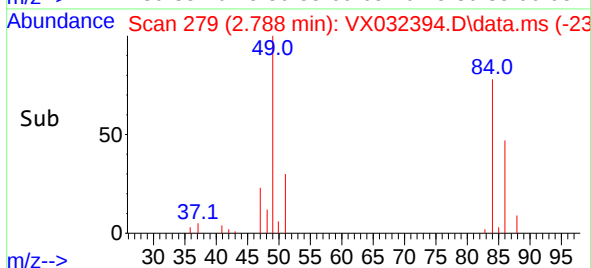
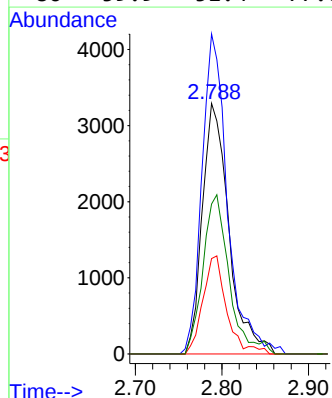
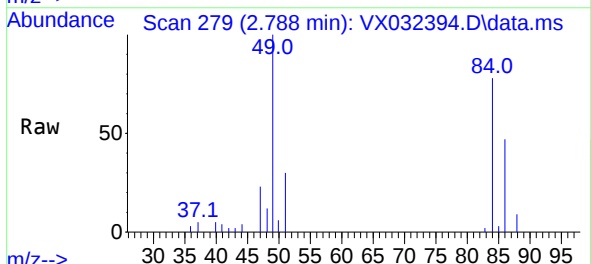
Ion Ratio Lower Upper

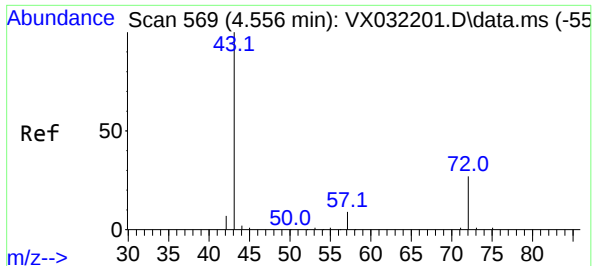
84 100

49 127.7 92.6 139.0

51 38.1 29.2 43.8

86 59.9 51.4 77.0

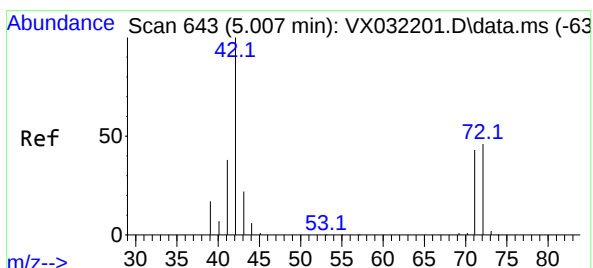
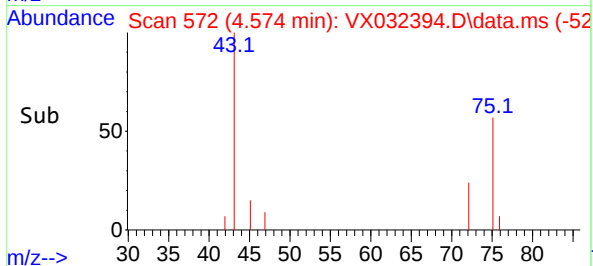
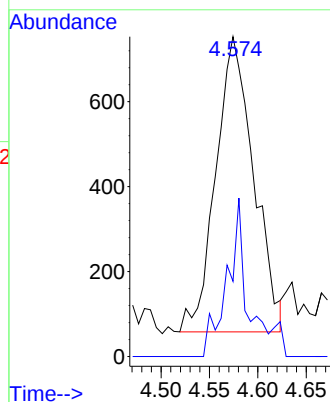
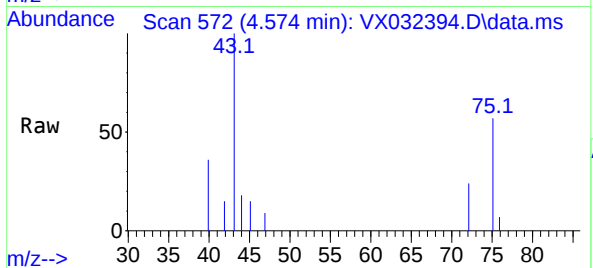




#25
2-Butanone
Concen: 2.074 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

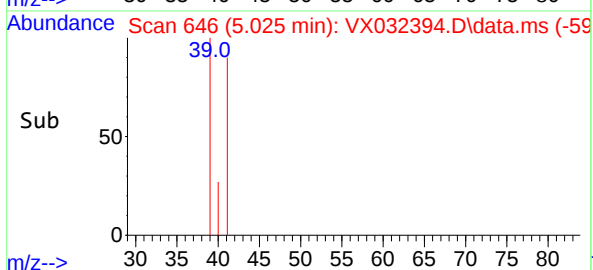
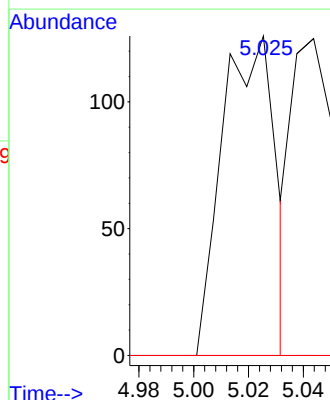
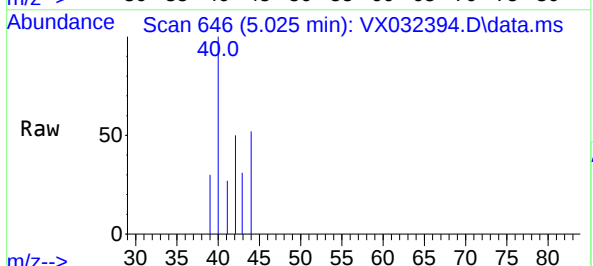
Instrument :
MSVOA_X
ClientSampleId :
TP7-1024

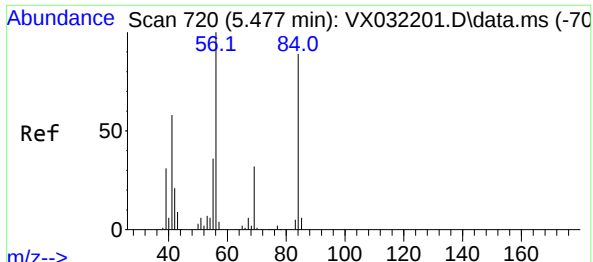
Tgt Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
72 25.5 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.288 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

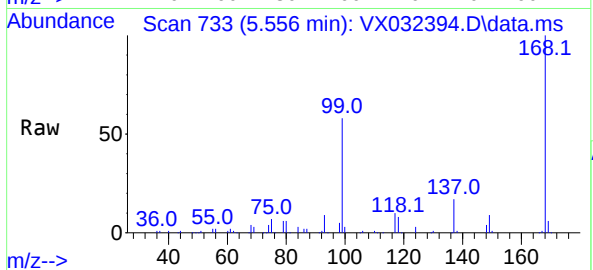
Tgt Ion: 42 Resp: 170
Ion Ratio Lower Upper
42 100
72 0.0 37.5 56.3#
71 0.0 34.7 52.1#



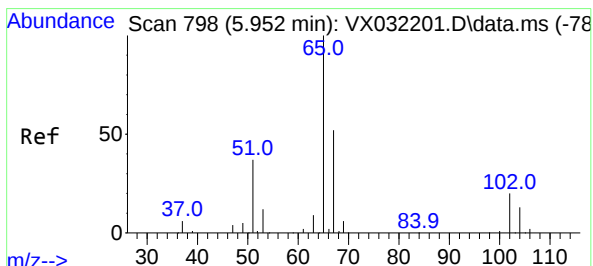
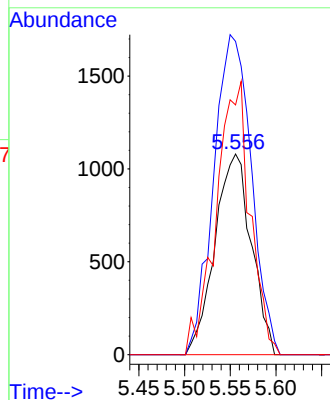
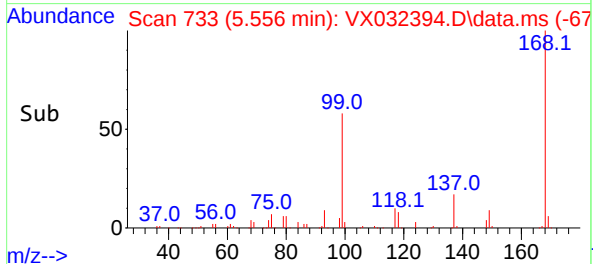


#31
Cyclohexane
Concen: 1.453 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

Instrument :
MSVOA_X
ClientSampleId :
TP7-1024

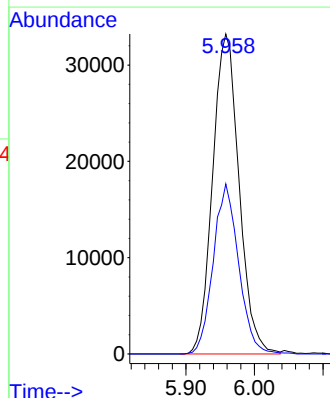
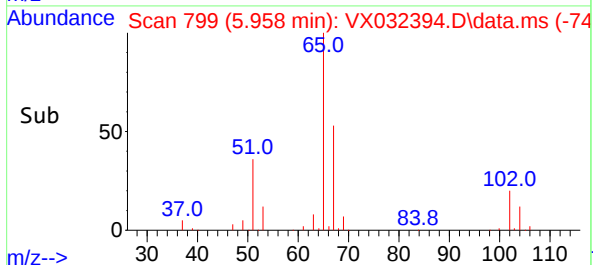
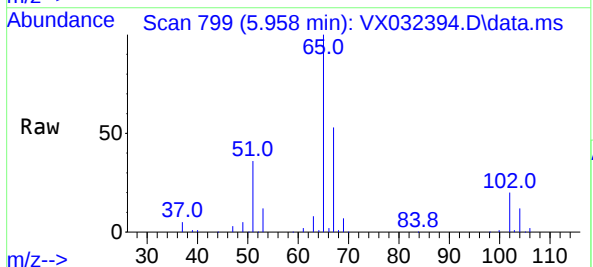


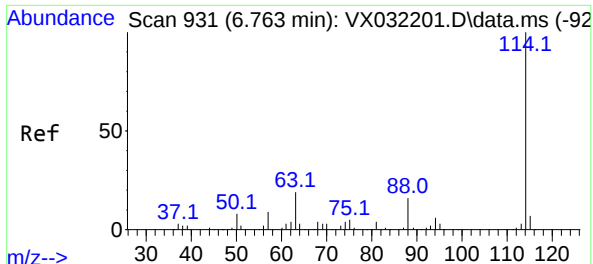
Tgt Ion: 56 Resp: 2994
Ion Ratio Lower Upper
56 100
69 156.2 25.4 38.0#
84 124.5 71.2 106.8#



#33
1,2-Dichloroethane-d4
Concen: 49.272 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

Tgt Ion: 65 Resp: 88827
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.6

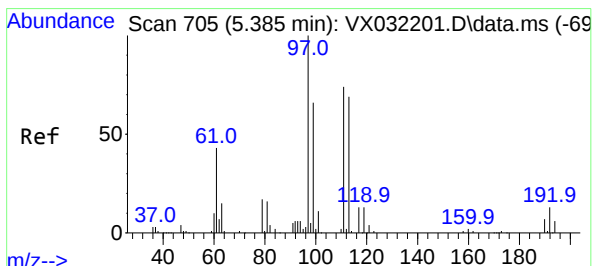
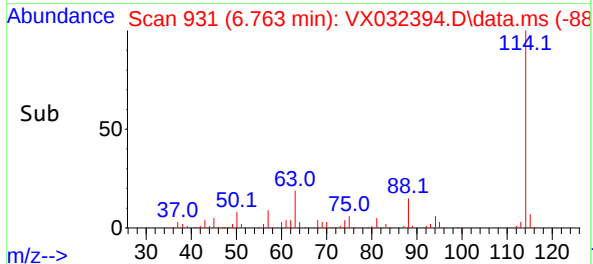
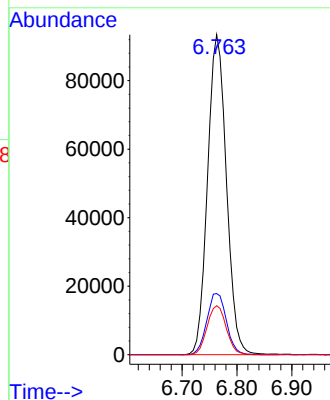
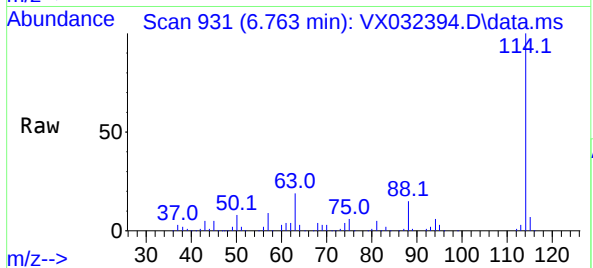




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

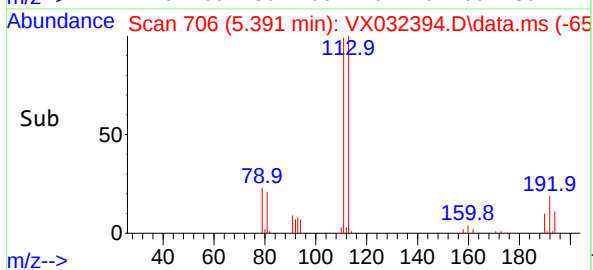
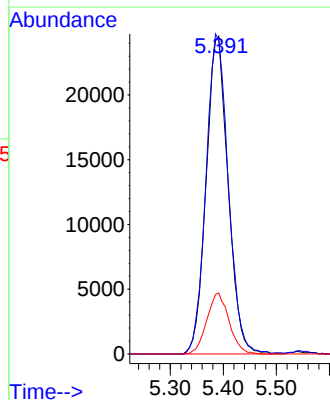
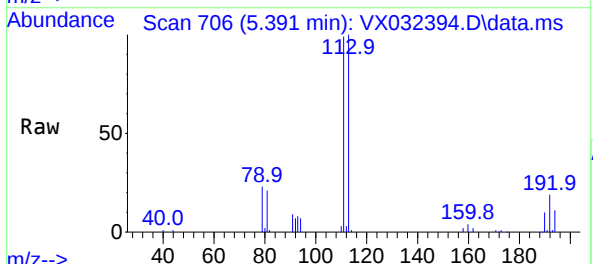
Instrument :
MSVOA_X
ClientSampleId :
TP7-1024

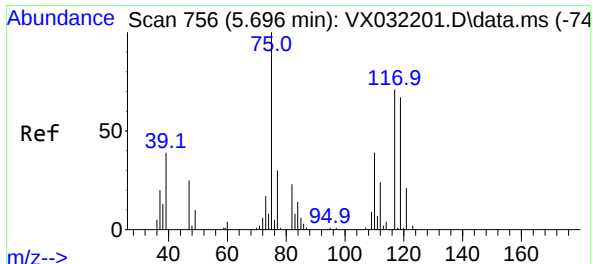
Tgt Ion:114 Resp: 222613
Ion Ratio Lower Upper
114 100
63 19.1 0.0 38.6
88 15.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 45.506 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

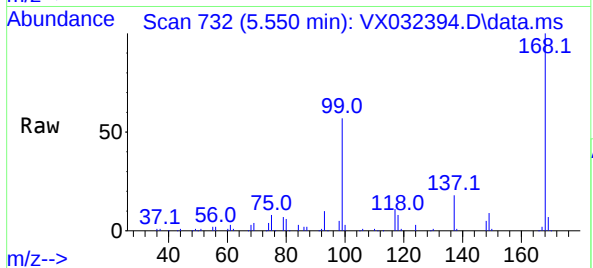
Tgt Ion:113 Resp: 70493
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 19.4 15.5 23.3



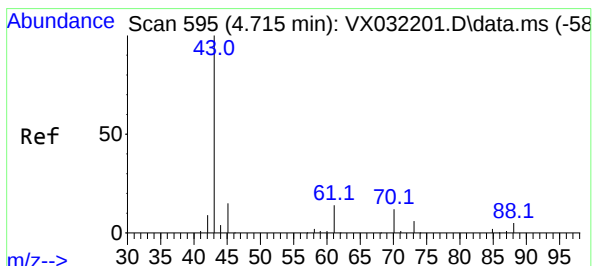
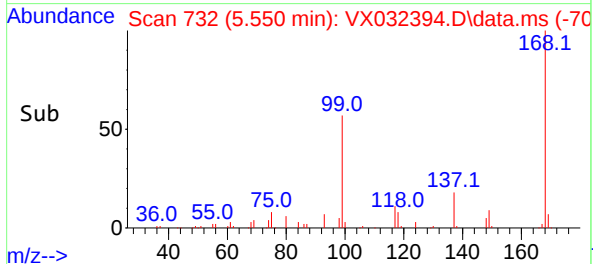
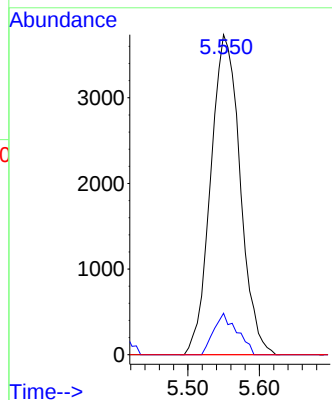


#36
1,1-Dichloropropene
Concen: 5.365 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

Instrument :
MSVOA_X
ClientSampleId :
TP7-1024

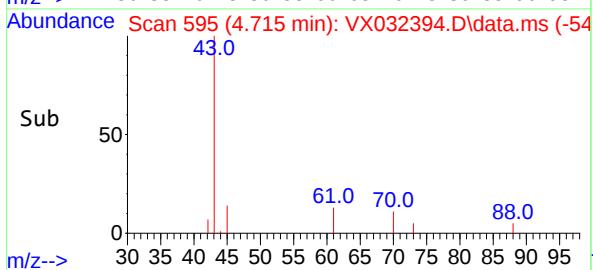
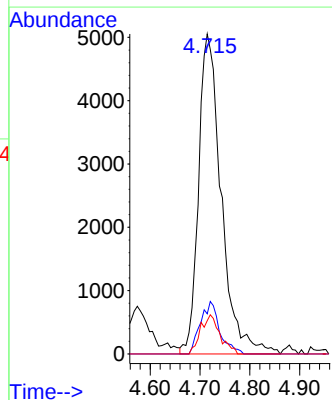
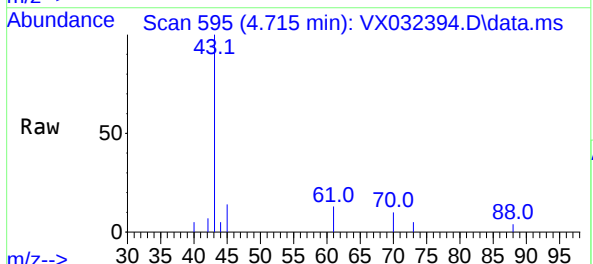


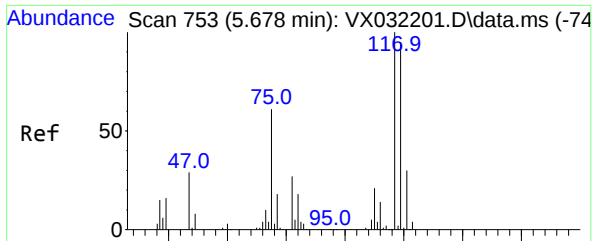
Tgt Ion: 75 Resp: 10690
Ion Ratio Lower Upper
75 100
110 10.2 18.4 55.0#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 8.179 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

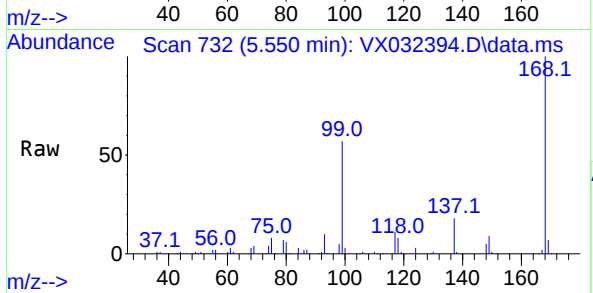
Tgt Ion: 43 Resp: 15957
Ion Ratio Lower Upper
43 100
61 13.9 11.4 17.2
70 10.4 8.8 13.2



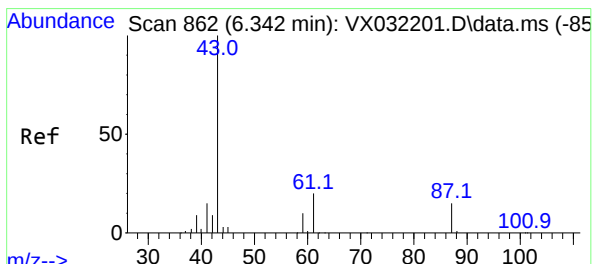
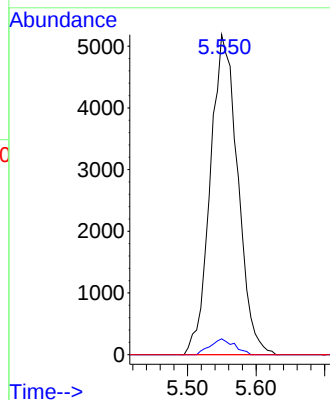
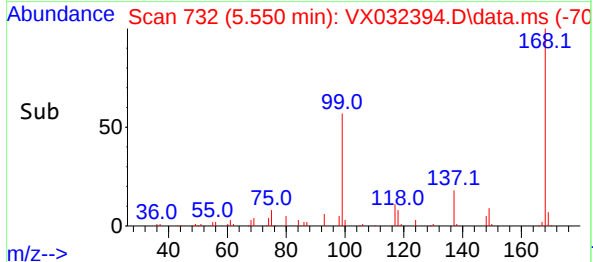


#38
Carbon Tetrachloride
Concen: 6.861 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

Instrument :
MSVOA_X
ClientSampleId :
TP7-1024

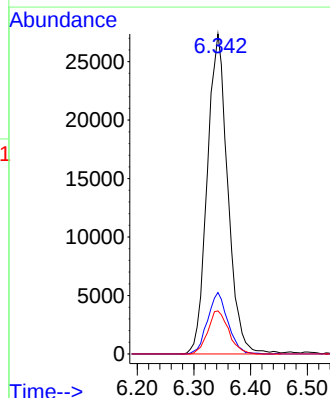
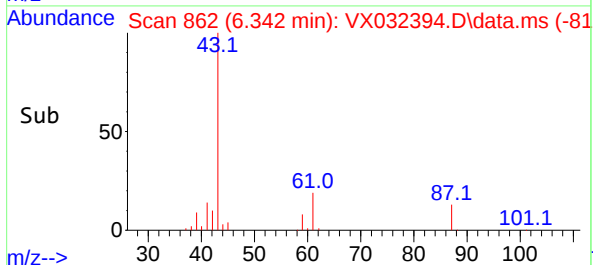
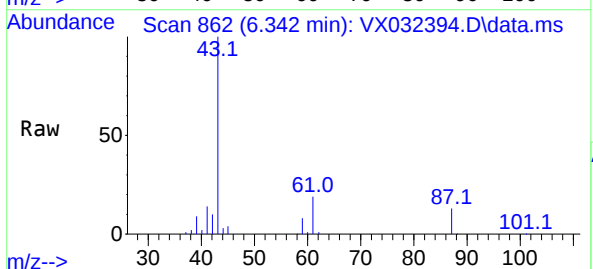


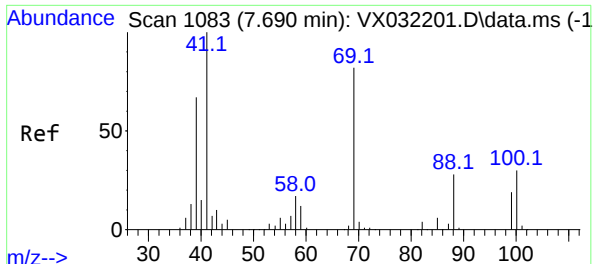
Tgt Ion:117 Resp: 14432
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.0#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 22.499 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

Tgt Ion: 43 Resp: 68895
Ion Ratio Lower Upper
43 100
61 19.0 15.5 23.3
87 13.7 11.0 16.6

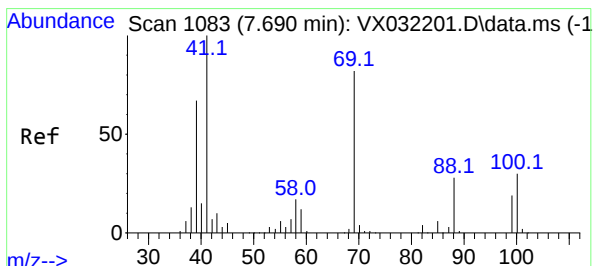
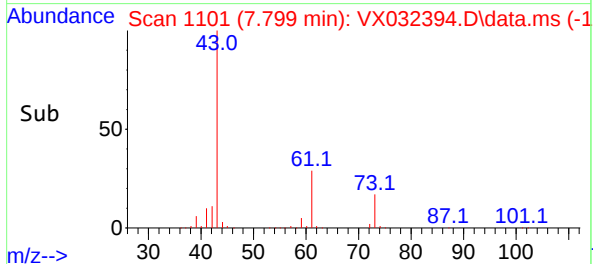
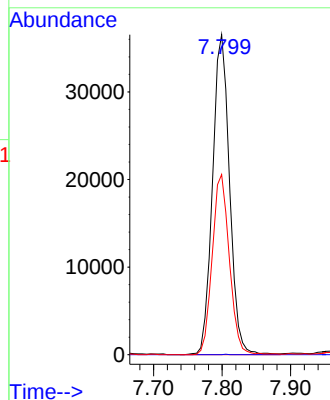
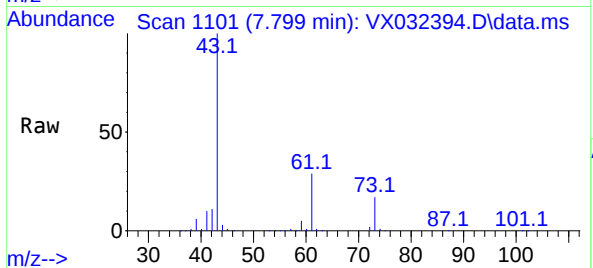




#48
Methyl methacrylate
Concen: 41.313 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

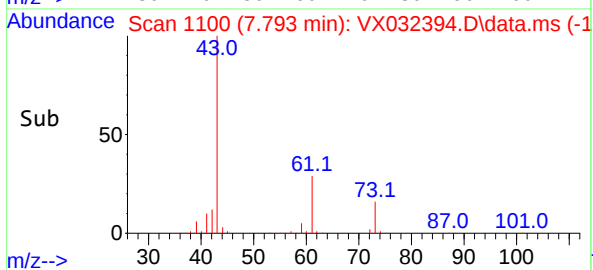
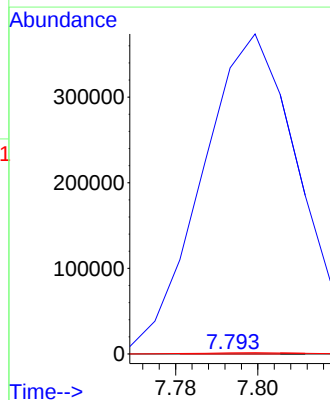
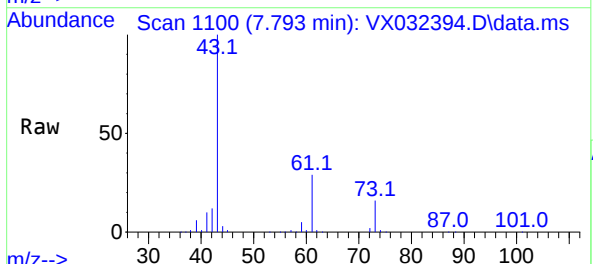
Instrument :
MSVOA_X
ClientSampleId :
TP7-1024

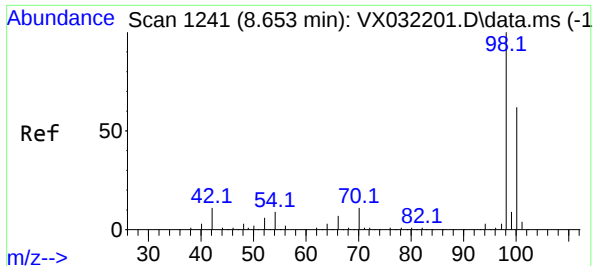
Tgt Ion: 41 Resp: 63093
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 56.7 53.8 80.8



#49
1,4-Dioxane
Concen: 0.620 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 3323615.8 26.9 40.3#
58 13405.3 50.7 76.1#





#50

Toluene-d8

Concen: 47.134 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032394.D

Acq: 26 Oct 2022 03:16

Instrument :

MSVOA_X

ClientSampleId :

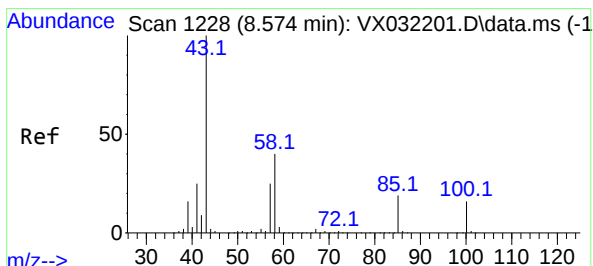
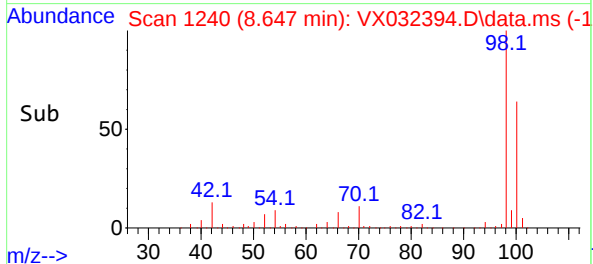
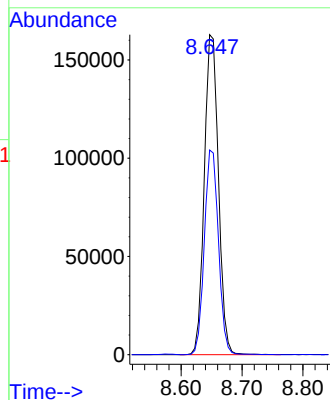
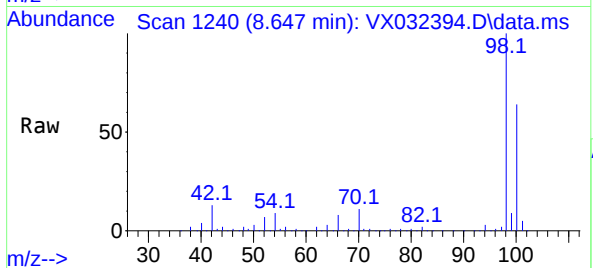
TP7-1024

Tgt Ion: 98 Resp: 262833

Ion Ratio Lower Upper

98 100

100 63.9 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 30.272 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX032394.D

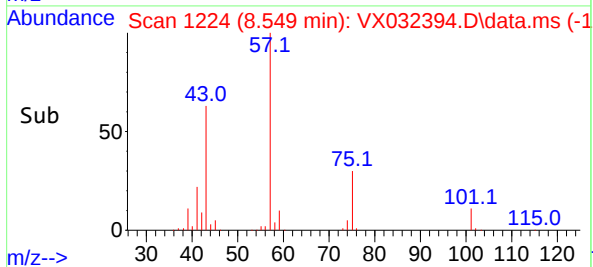
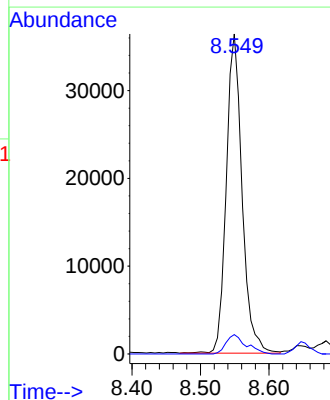
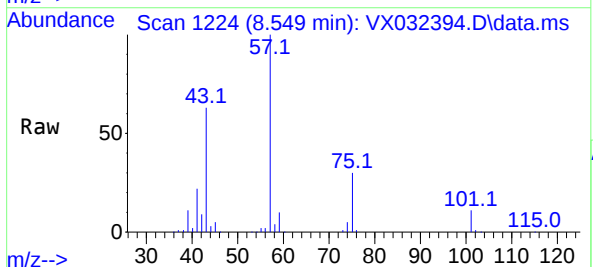
Acq: 26 Oct 2022 03:16

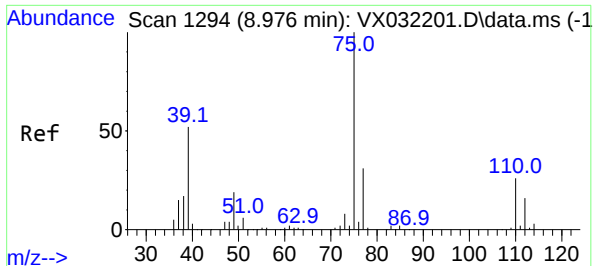
Tgt Ion: 43 Resp: 58109

Ion Ratio Lower Upper

43 100

58 7.7 31.0 46.4#





#53

t-1,3-Dichloropropene

Concen: 1.997 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX032394.D

Acq: 26 Oct 2022 03:16

Instrument :

MSVOA_X

ClientSampleId :

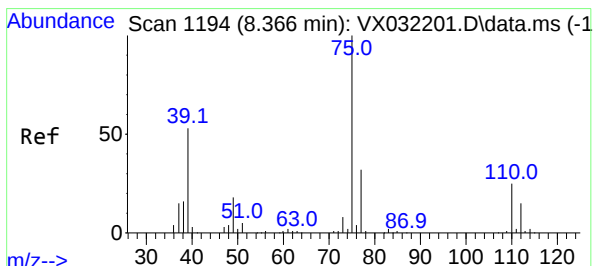
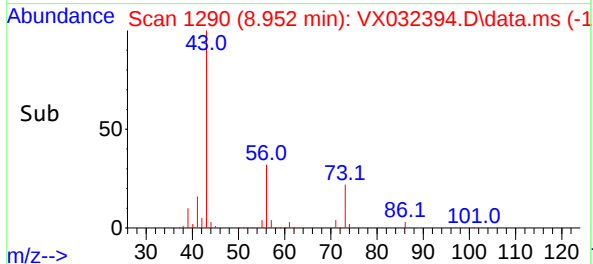
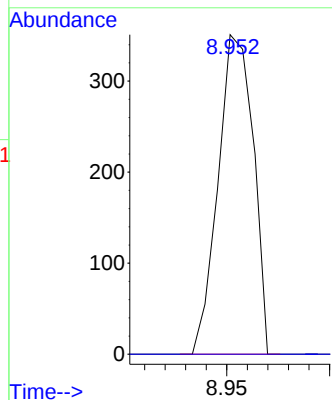
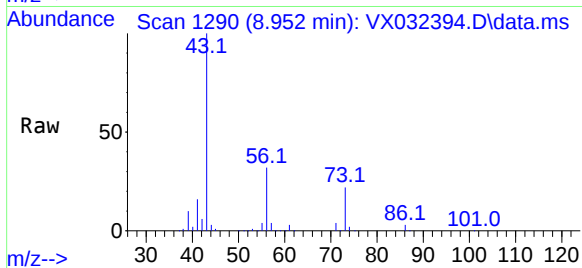
TP7-1024

Tgt Ion: 75 Resp: 418

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#



#54

cis-1,3-Dichloropropene

Concen: 11.503 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX032394.D

Acq: 26 Oct 2022 03:16

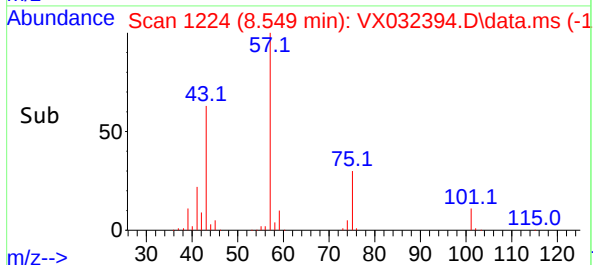
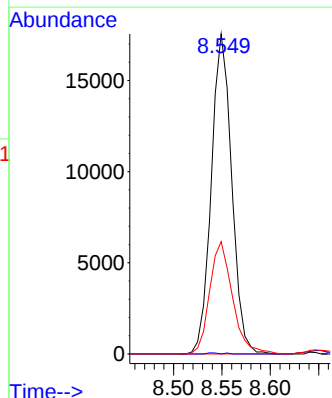
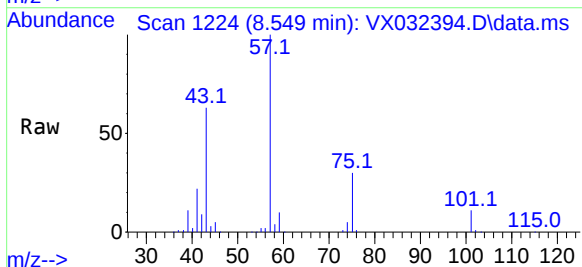
Tgt Ion: 75 Resp: 25728

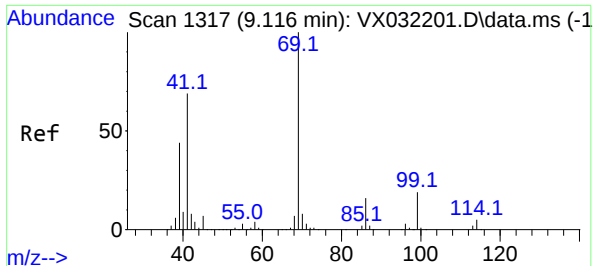
Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 35.1 42.4 63.6#





#56

Ethyl methacrylate

Concen: 0.215 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX032394.D

Acq: 26 Oct 2022 03:16

Instrument :

MSVOA_X

ClientSampleId :

TP7-1024

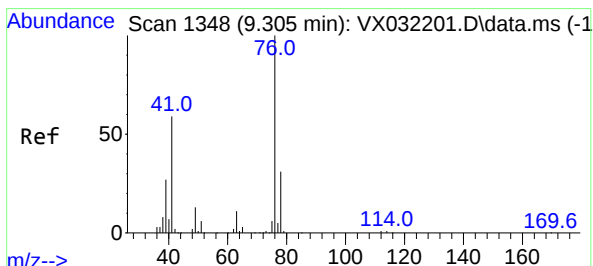
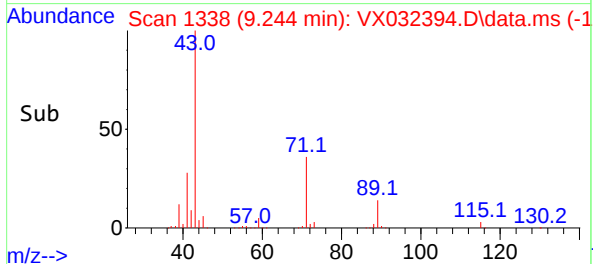
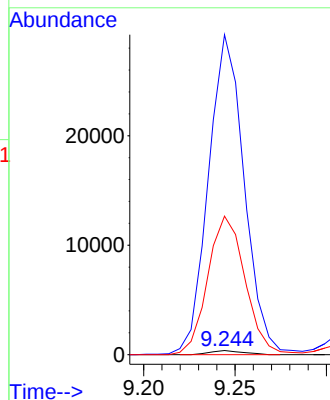
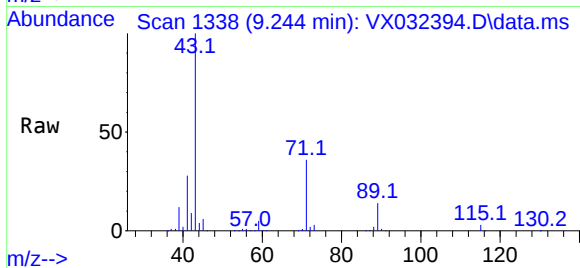
Tgt Ion: 69 Resp: 470

Ion Ratio Lower Upper

69 100

41 8530.2 54.5 81.7#

39 3838.7 35.7 53.5#



#57

1,3-Dichloropropane

Concen: 1.278 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX032394.D

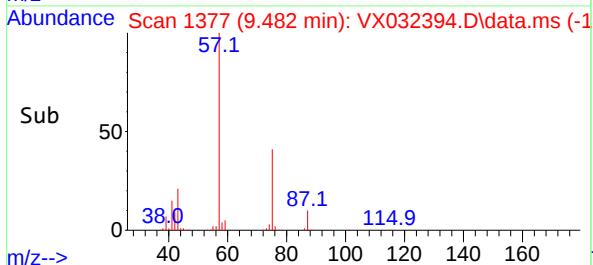
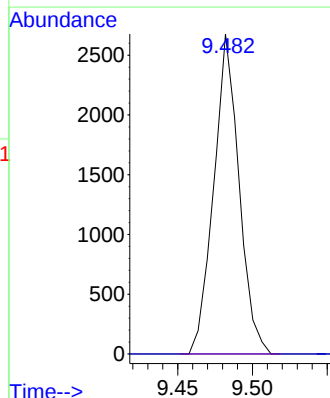
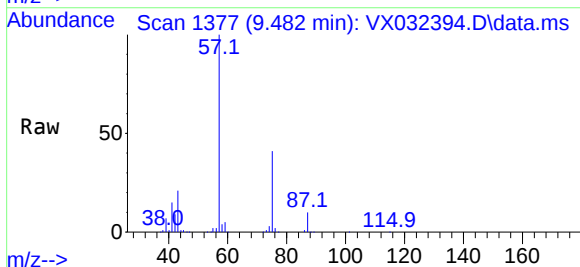
Acq: 26 Oct 2022 03:16

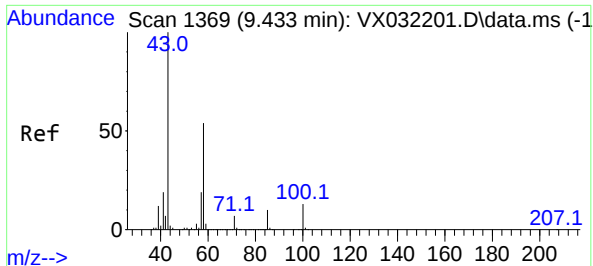
Tgt Ion: 76 Resp: 3145

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 31.670 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX032394.D

Acq: 26 Oct 2022 03:16

Instrument :

MSVOA_X

ClientSampleId :

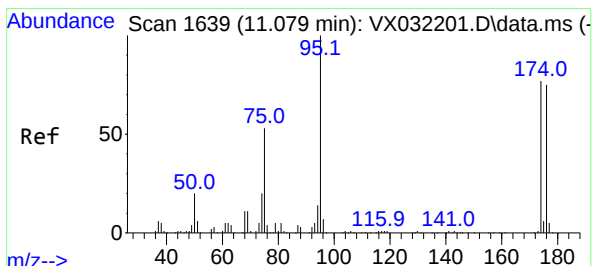
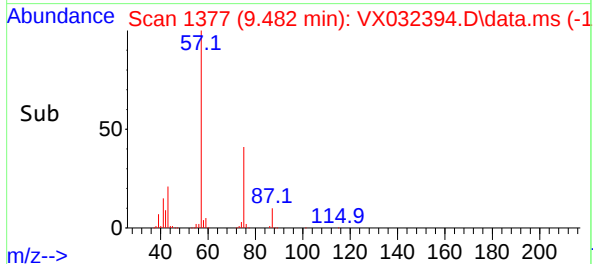
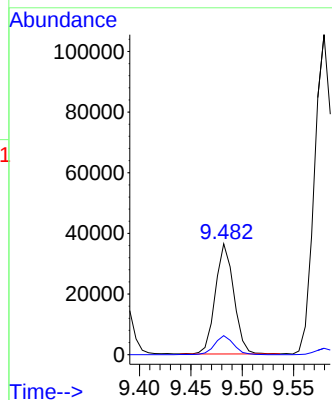
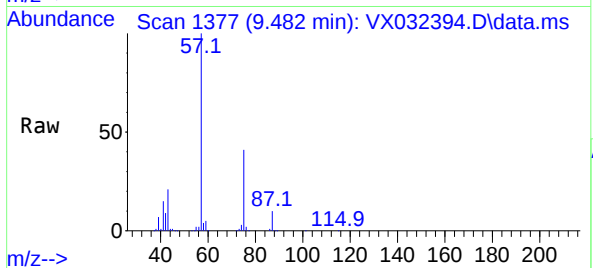
TP7-1024

Tgt Ion: 43 Resp: 45361

Ion Ratio Lower Upper

43 100

58 17.9 26.7 80.1#



#62

4-Bromofluorobenzene

Concen: 45.871 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032394.D

Acq: 26 Oct 2022 03:16

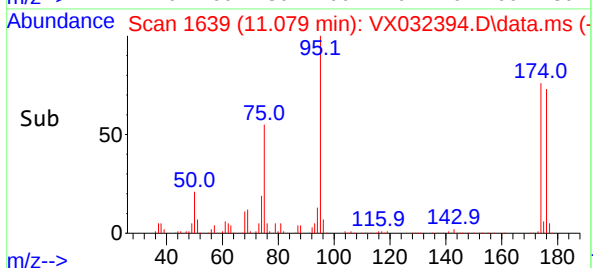
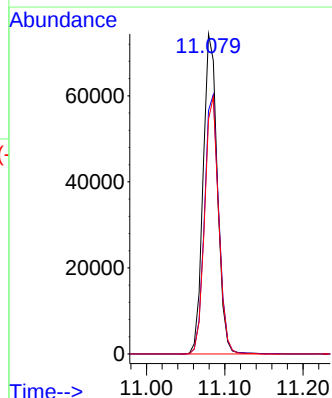
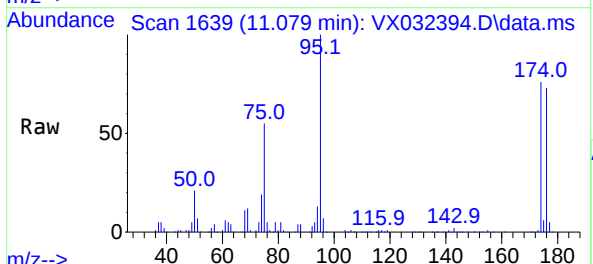
Tgt Ion: 95 Resp: 93665

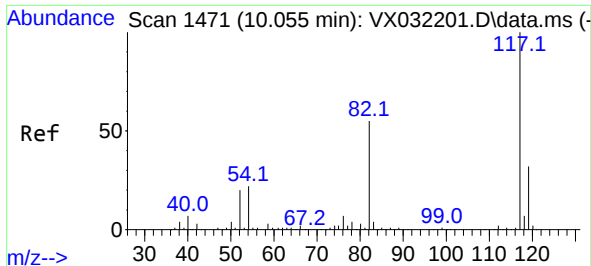
Ion Ratio Lower Upper

95 100

174 81.4 0.0 166.8

176 79.3 0.0 161.4

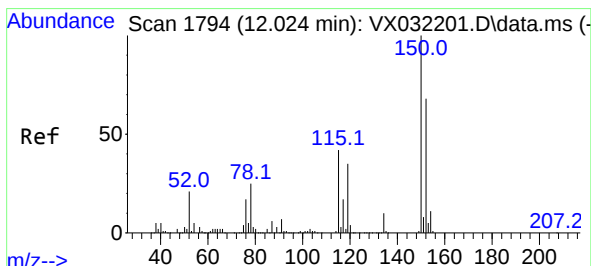
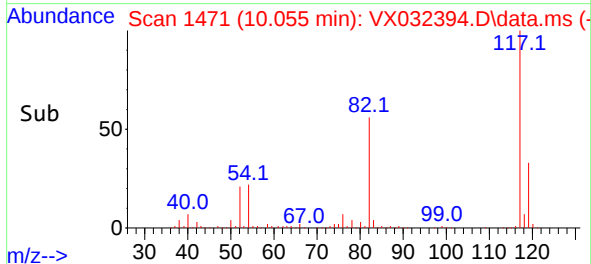
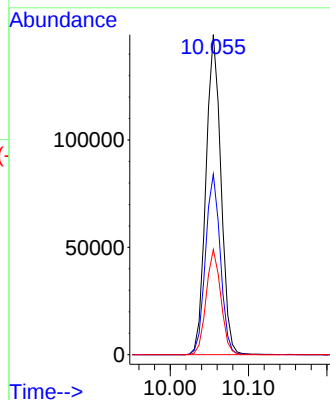
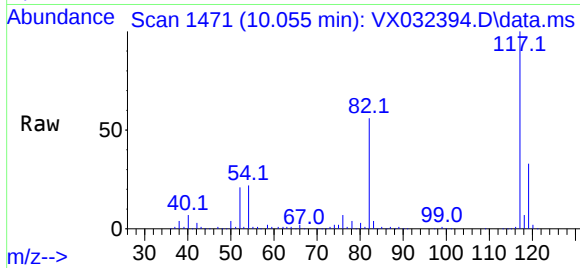




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

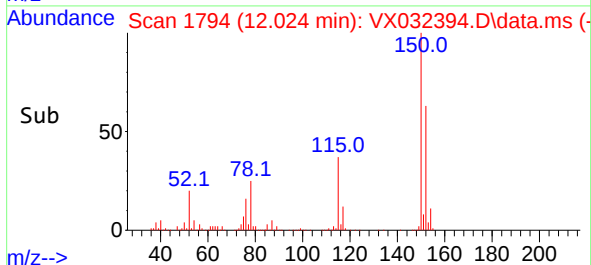
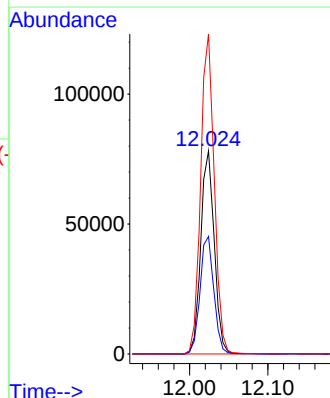
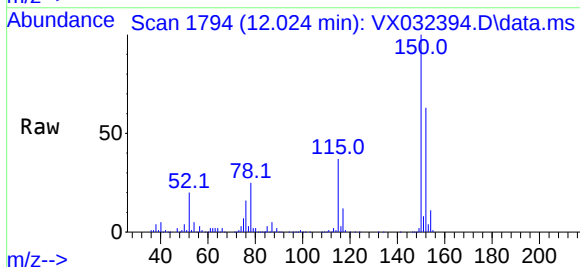
Instrument :
MSVOA_X
ClientSampleId :
TP7-1024

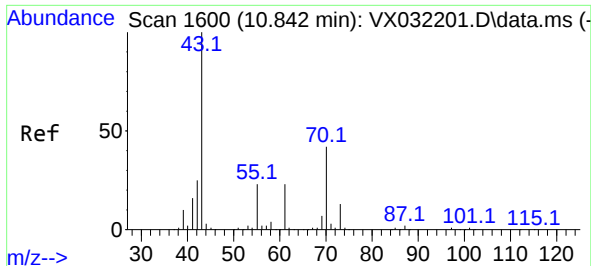
Tgt Ion:117 Resp: 198005
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.4
119 32.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

Tgt Ion:152 Resp: 93674
Ion Ratio Lower Upper
152 100
115 59.3 43.1 129.4
150 158.6 0.0 348.6



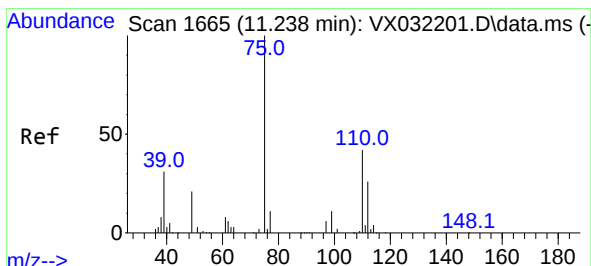
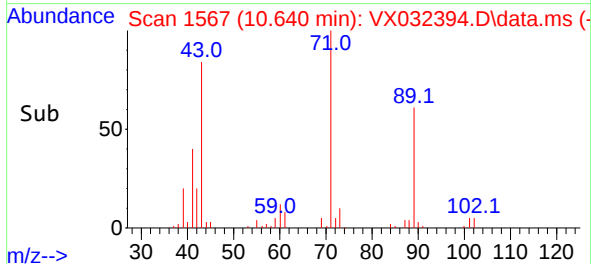
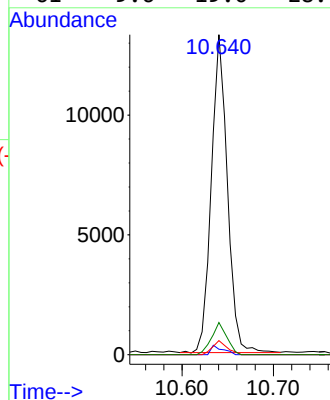
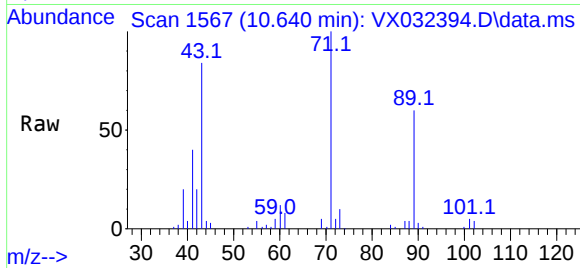


#74
N-amy1 acetate
Concen: 6.550 ug/l
RT: 10.640 min Scan# 16174
Delta R.T. -0.202 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

Instrument :
MSVOA_X
ClientSampleId :
TP7-1024

Tgt Ion: 43 Resp: 16174

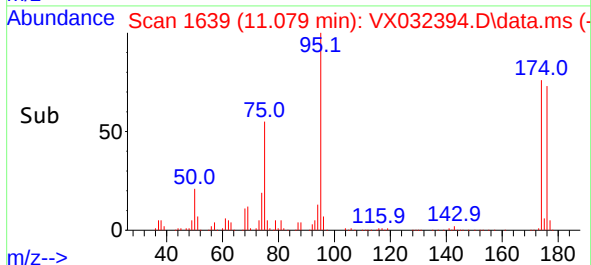
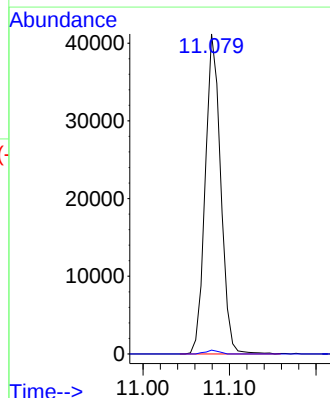
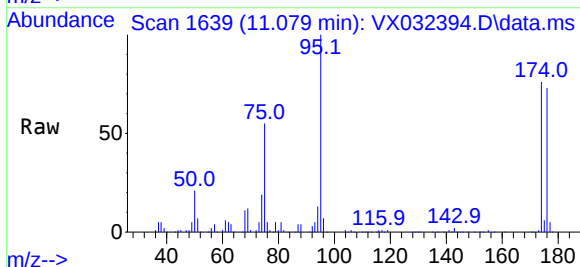
Ion	Ratio	Lower	Upper
43	100		
70	2.2	33.9	50.9#
55	4.0	19.1	28.7#
61	9.6	19.0	28.4#

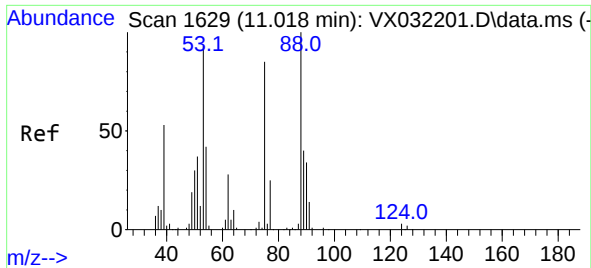


#76
1,2,3-Trichloropropane
Concen: 27.511 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032394.D
Acq: 26 Oct 2022 03:16

Tgt Ion: 75 Resp: 51062

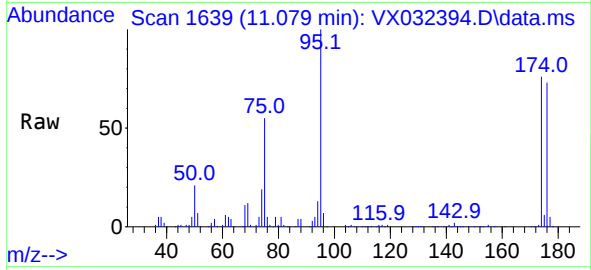
Ion	Ratio	Lower	Upper
75	100		
77	1.0	16.0	47.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.418 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX032394.D
 Acq: 26 Oct 2022 03:16

Instrument :
 MSVOA_X
 ClientSampleId :
 TP7-1024



Tgt Ion: 75 Resp: 51062
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.8 131.8#
 89 0.0 37.8 56.8#

