

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111622\
 Data File : VX032874.D
 Acq On : 16 Nov 2022 17:33
 Operator : JC/MD
 Sample : N5614-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 17 05:43:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

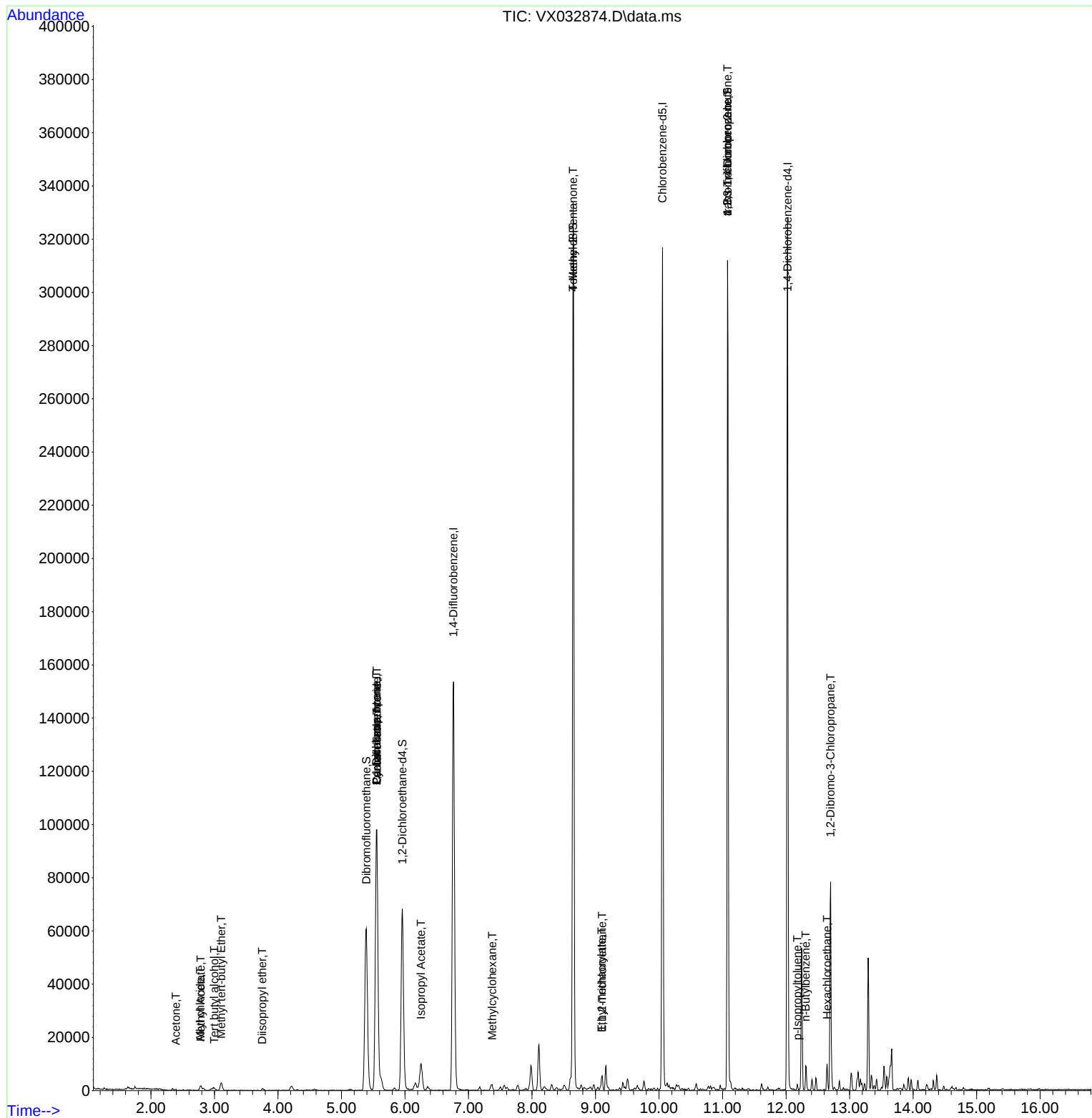
Internal Standards						
1) Pentafluorobenzene	5.556	168	93857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	157678	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66747	51.182	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.360%	
35) Dibromofluoromethane	5.391	113	53409	47.486	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.980%	
50) Toluene-d8	8.647	98	195848	50.077	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.160%	
62) 4-Bromofluorobenzene	11.079	95	76591	50.135	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.260%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.995	59	2038	10.737	ug/l #	83
14) Allyl chloride	2.776	41	565	0.377	ug/l #	63
16) Acetone	2.392	43	427	0.901	ug/l	100
18) Methyl Acetate	2.782	43	1260	0.817	ug/l #	51
19) Methyl tert-butyl Ether	3.105	73	1056	0.319	ug/l #	1
22) Diisopropyl ether	3.751	45	716	0.221	ug/l #	69
31) Cyclohexane	5.556	56	2113	1.336	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	7105	4.536	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9505	5.472	ug/l #	15
39) Methylcyclohexane	7.373	83	445	0.240	ug/l #	21
43) Isopropyl Acetate	6.251	43	2090	0.835	ug/l #	61
51) 4-Methyl-2-Pentanone	8.647	43	1137	0.721	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	2009	1.650	ug/l #	18
56) Ethyl methacrylate	9.098	69	514	0.293	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	41843	27.972	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	41843	89.008	ug/l #	6
86) p-Isopropyltoluene	12.177	119	1112	0.240	ug/l	97
89) n-Butylbenzene	12.311	91	1291	0.320	ug/l #	4
90) Hexachloroethane	12.646	117	3379	4.457	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.701	75	656	1.749	ug/l #	1

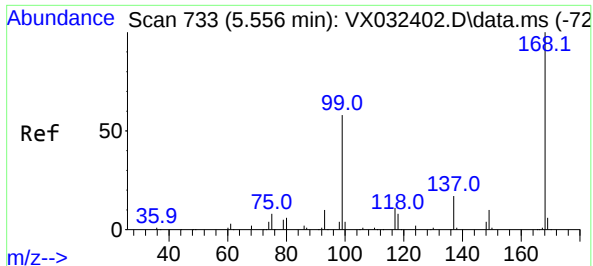
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

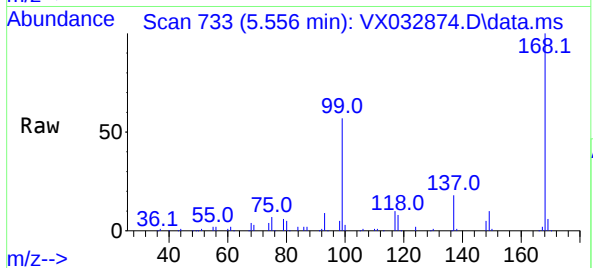
Quant Time: Nov 17 05:43:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
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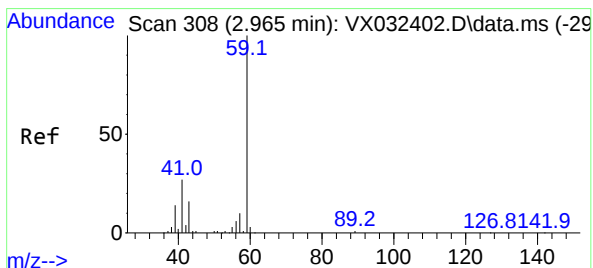
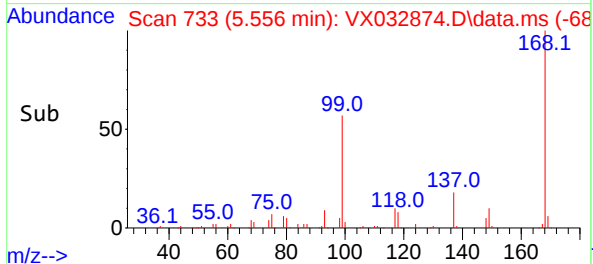
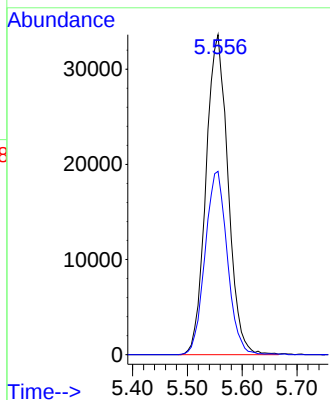


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

Instrument :
MSVOA_X
ClientSampleId :

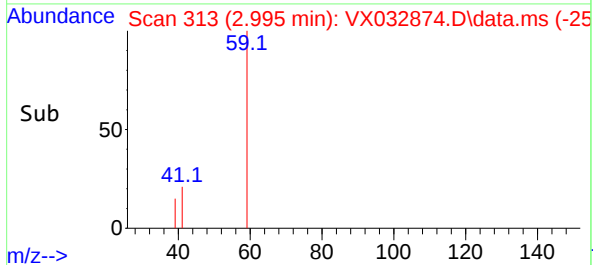
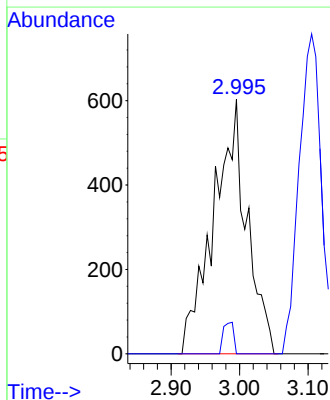
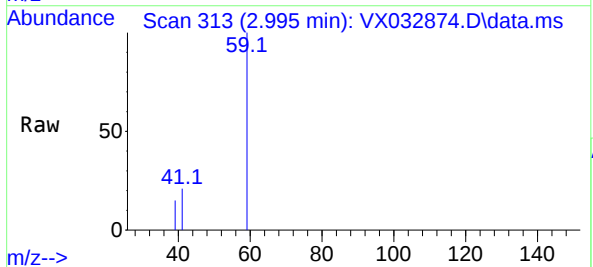


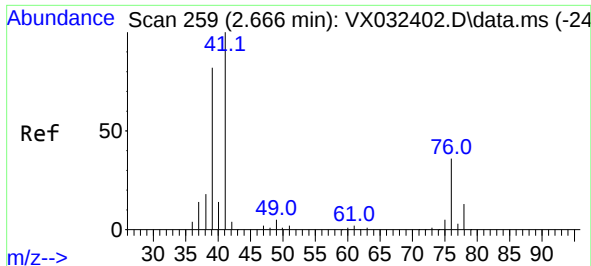
Tgt Ion:168 Resp: 93857
Ion Ratio Lower Upper
168 100
99 57.3 46.1 69.1



#11
Tert butyl alcohol
Concen: 10.737 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.030 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

Tgt Ion: 59 Resp: 2038
Ion Ratio Lower Upper
59 100
57 3.8 8.2 12.4#





#14

Allyl chloride

Concen: 0.377 ug/l

RT: 2.776 min Scan# 21

Delta R.T. 0.110 min

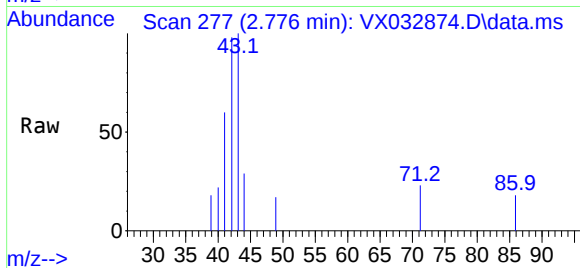
Lab File: VX032874.D

Acq: 16 Nov 2022 17:33

Instrument :

MSVOA_X

ClientSampleId :



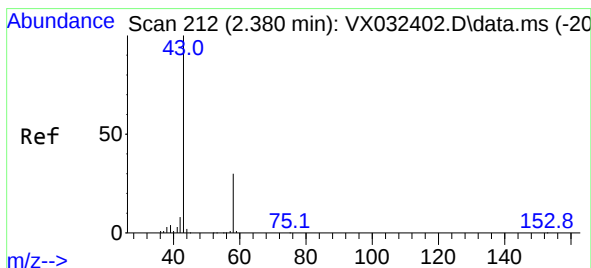
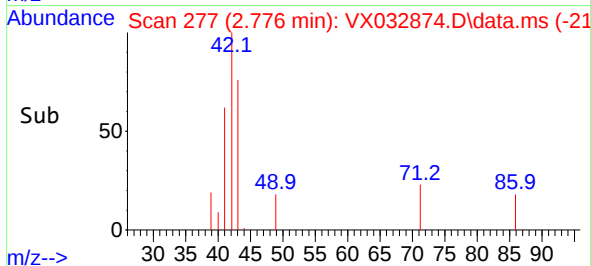
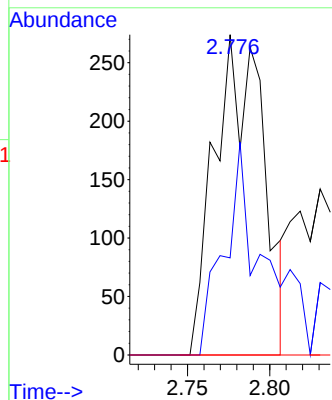
Tgt Ion: 41 Resp: 565

Ion Ratio Lower Upper

41 100

39 54.9 61.4 92.2#

76 0.0 29.2 43.8#



#16

Acetone

Concen: 0.901 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX032874.D

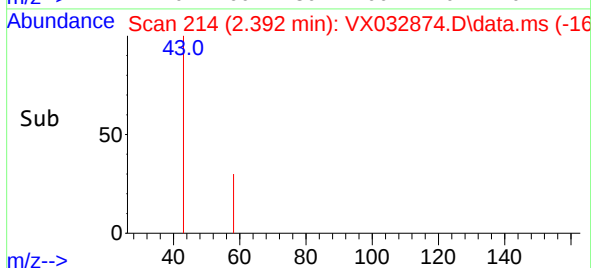
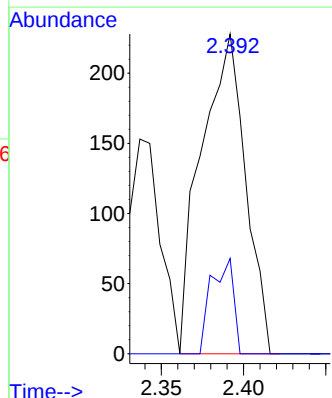
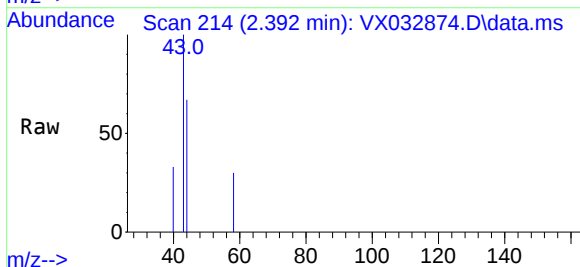
Acq: 16 Nov 2022 17:33

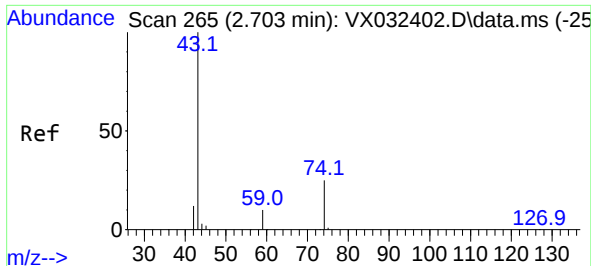
Tgt Ion: 43 Resp: 427

Ion Ratio Lower Upper

43 100

58 29.8 23.8 35.8





#18

Methyl Acetate

Concen: 0.817 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.079 min

Lab File: VX032874.D

Acq: 16 Nov 2022 17:33

Instrument :

MSVOA_X

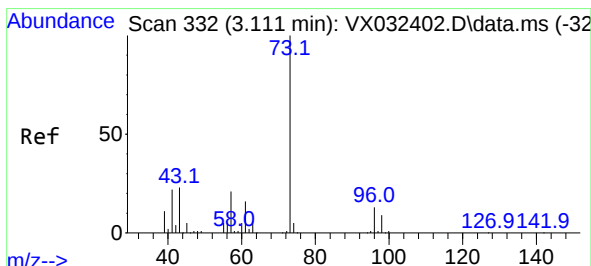
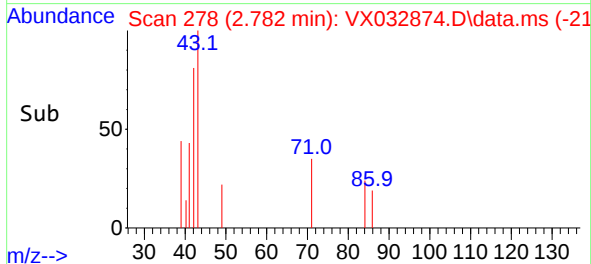
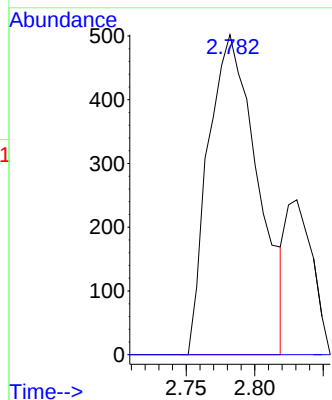
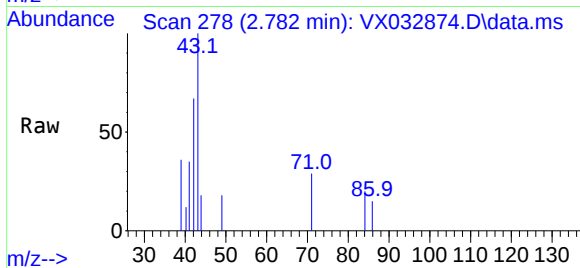
ClientSampleId :

Tgt Ion: 43 Resp: 1260

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.0#



#19

Methyl tert-butyl Ether

Concen: 0.319 ug/l

RT: 3.105 min Scan# 331

Delta R.T. -0.006 min

Lab File: VX032874.D

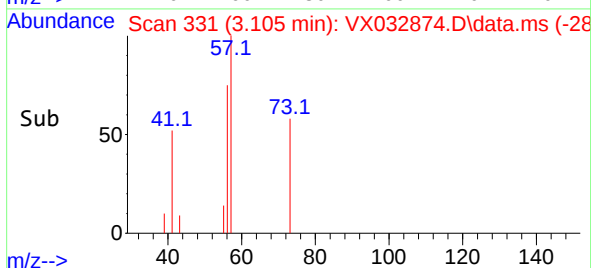
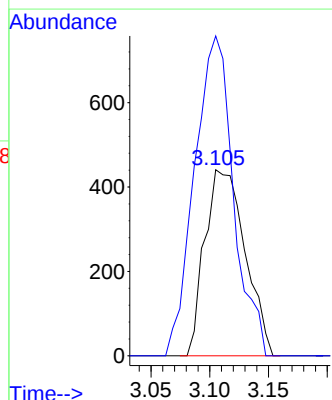
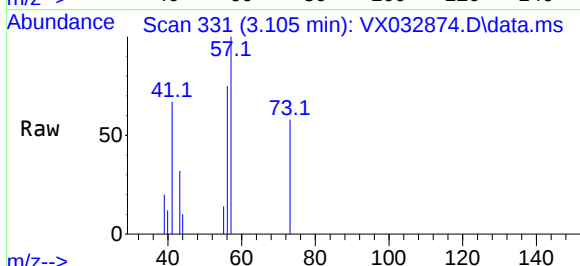
Acq: 16 Nov 2022 17:33

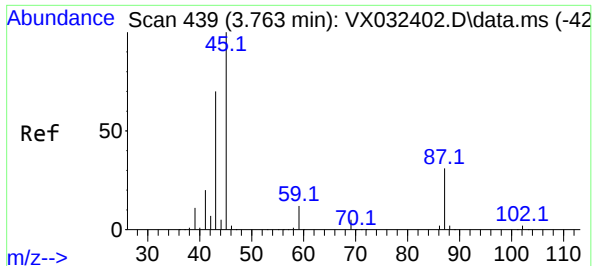
Tgt Ion: 73 Resp: 1056

Ion Ratio Lower Upper

73 100

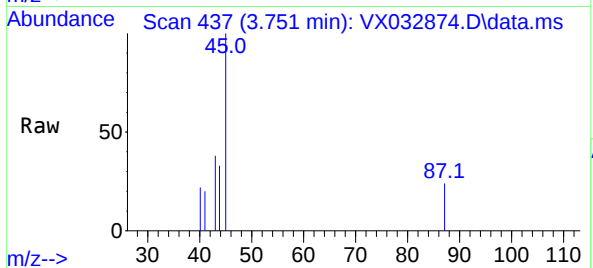
57 171.9 16.6 25.0#





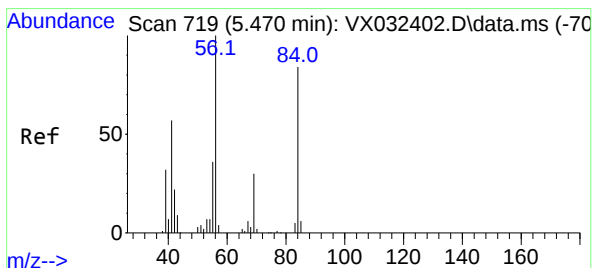
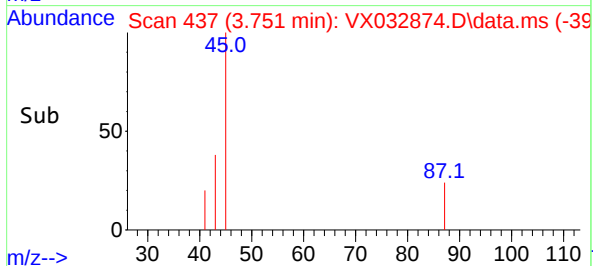
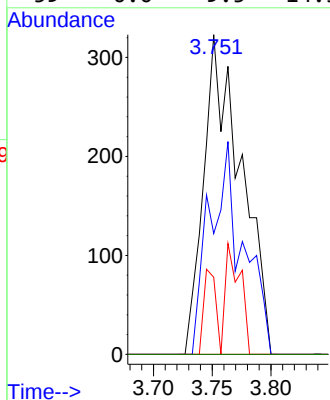
#22
Diisopropyl ether
Concen: 0.221 ug/l
RT: 3.751 min Scan# 41
Delta R.T. -0.012 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 45 Resp: 716

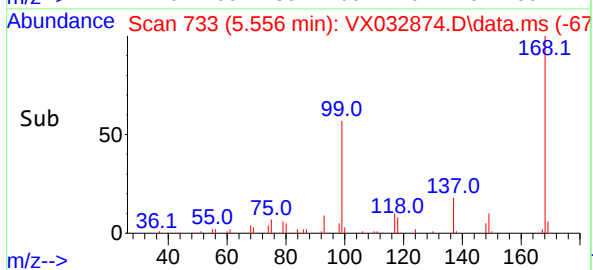
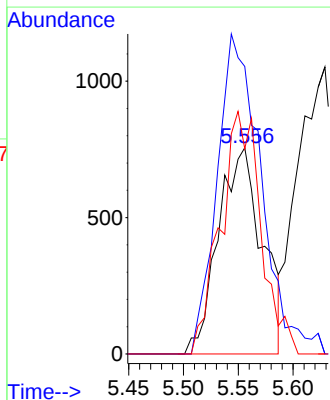
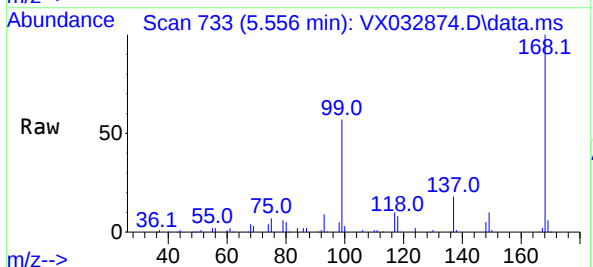
Ion	Ratio	Lower	Upper
45	100		
43	37.8	56.4	84.6#
87	24.1	24.4	36.6#
59	0.0	9.5	14.3#

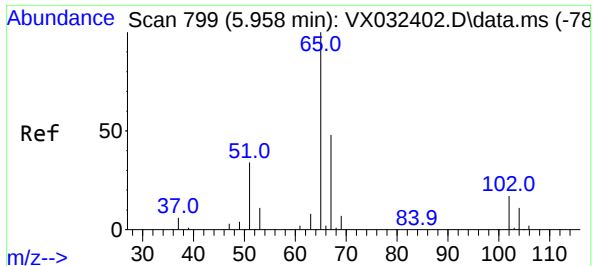


#31
Cyclohexane
Concen: 1.336 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

Tgt Ion: 56 Resp: 2113

Ion	Ratio	Lower	Upper
56	100		
69	139.4	24.1	36.1#
84	99.5	66.9	100.3

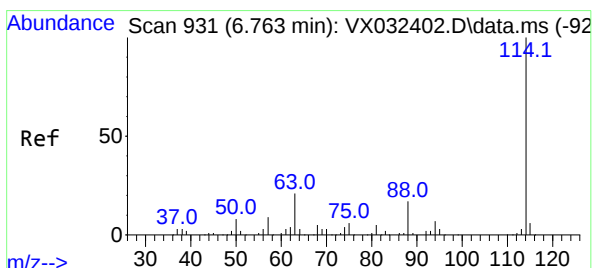
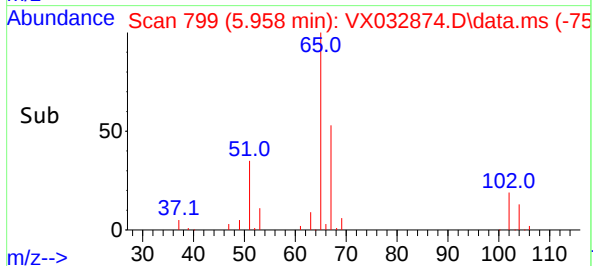
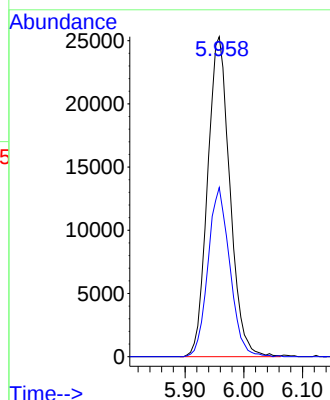
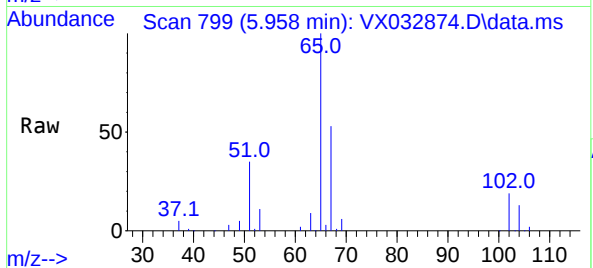




#33
 1,2-Dichloroethane-d4
 Concen: 51.182 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX032874.D
 Acq: 16 Nov 2022 17:33

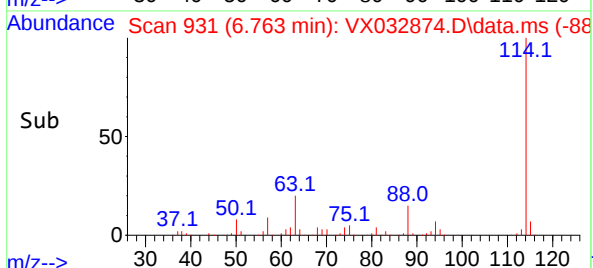
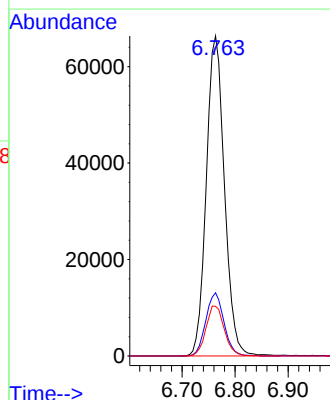
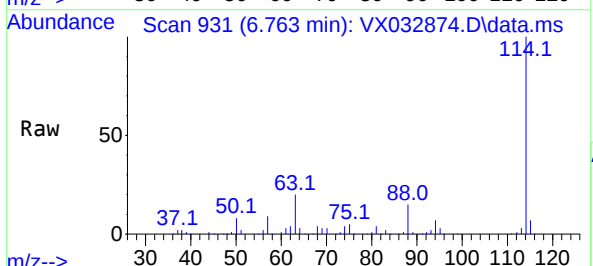
Instrument :
 MSVOA_X
 ClientSampleId :

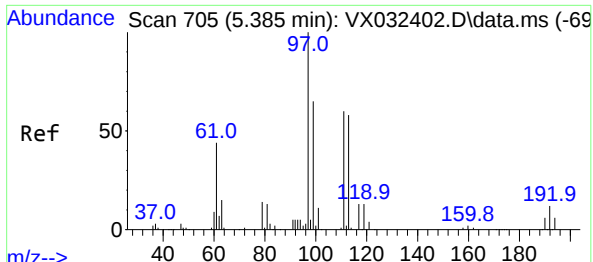
Tgt Ion: 65 Resp: 66747
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX032874.D
 Acq: 16 Nov 2022 17:33

Tgt Ion: 114 Resp: 157678
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.6
 88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.486 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032874.D

Acq: 16 Nov 2022 17:33

Instrument :

MSVOA_X

ClientSampleId :

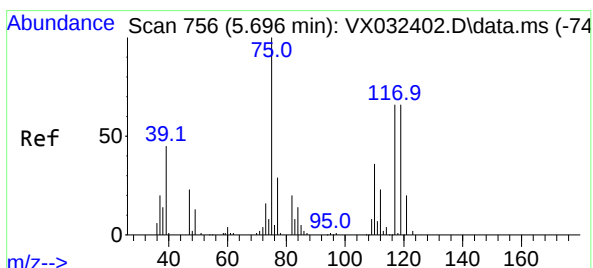
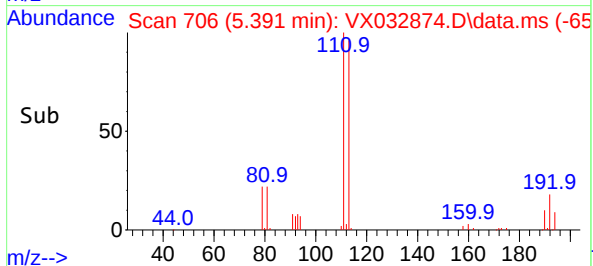
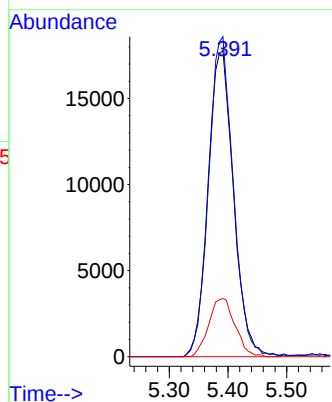
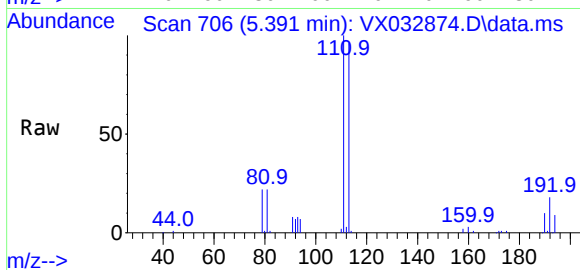
Tgt Ion:113 Resp: 53409

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

192 19.6 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.536 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX032874.D

Acq: 16 Nov 2022 17:33

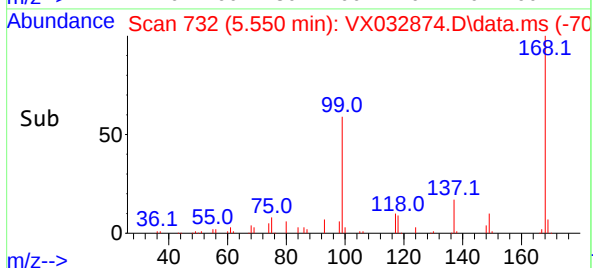
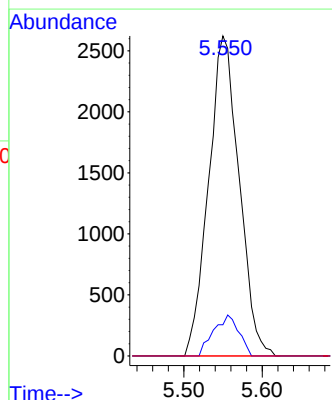
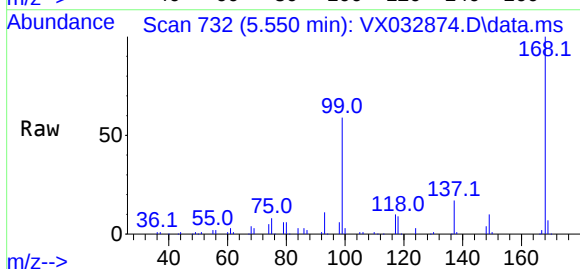
Tgt Ion: 75 Resp: 7105

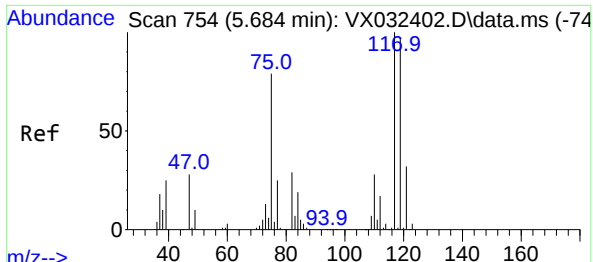
Ion Ratio Lower Upper

75 100

110 10.5 18.4 55.2#

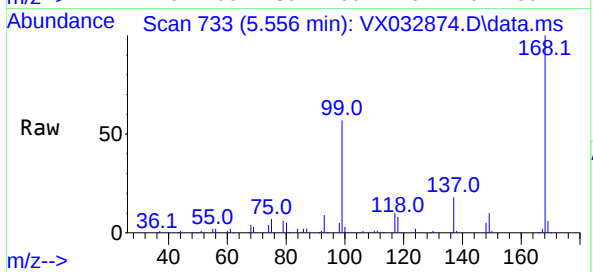
77 0.0 24.5 36.7#



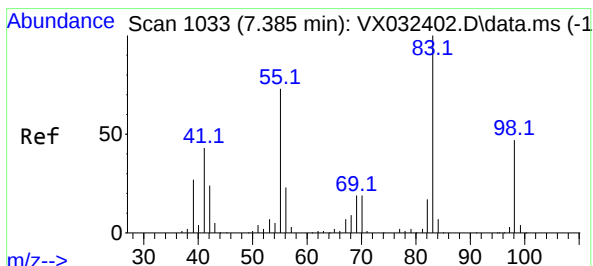
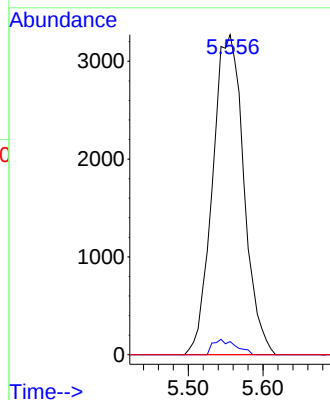
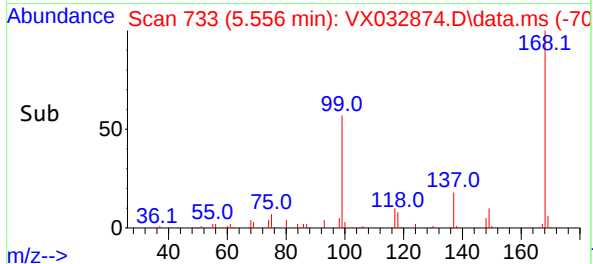


#38
Carbon Tetrachloride
Concen: 5.472 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

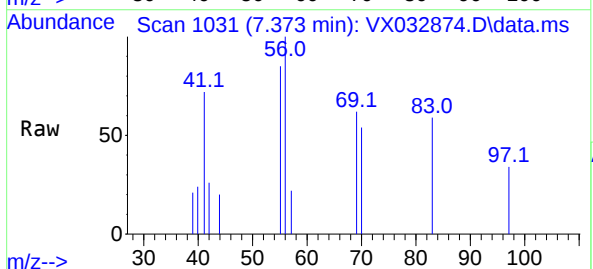
Instrument :
MSVOA_X
ClientSampleId :



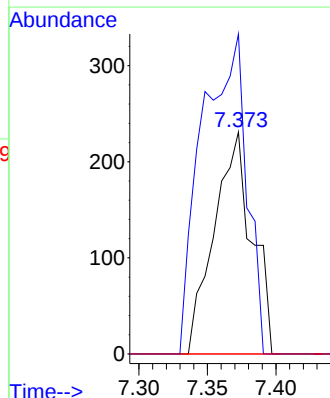
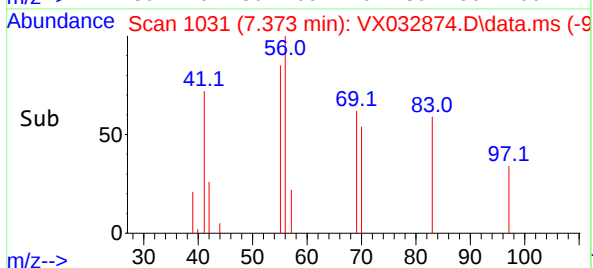
Tgt Ion:117 Resp: 9505
Ion Ratio Lower Upper
117 100
119 4.1 77.2 115.8#
121 0.0 25.8 38.6#

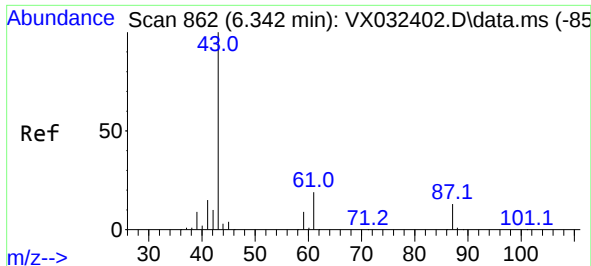


#39
Methylcyclohexane
Concen: 0.240 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33



Tgt Ion: 83 Resp: 445
Ion Ratio Lower Upper
83 100
55 144.2 58.4 87.6#
98 0.0 37.2 55.8#

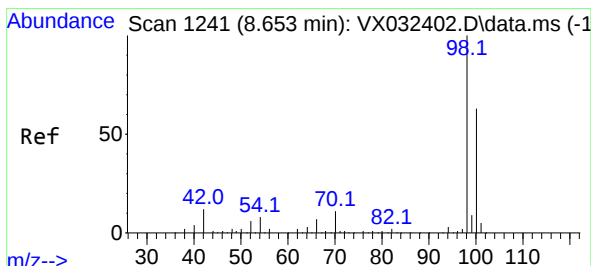
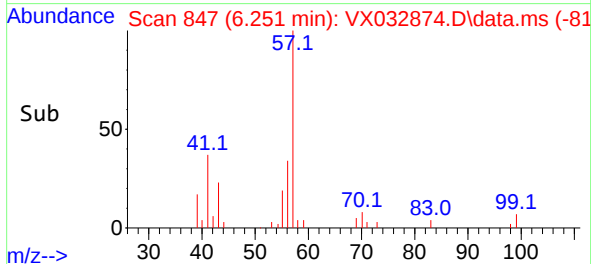
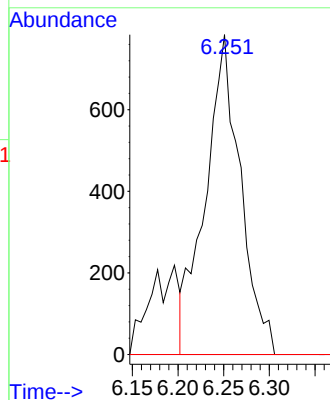
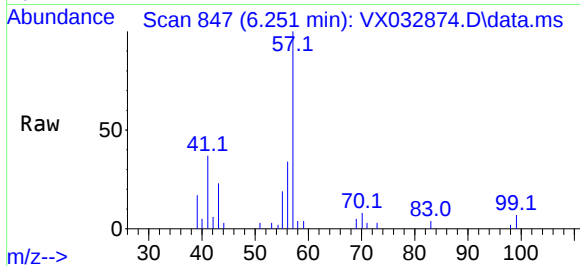




#43
Isopropyl Acetate
Concen: 0.835 ug/l
RT: 6.251 min Scan# 84
Delta R.T. -0.091 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

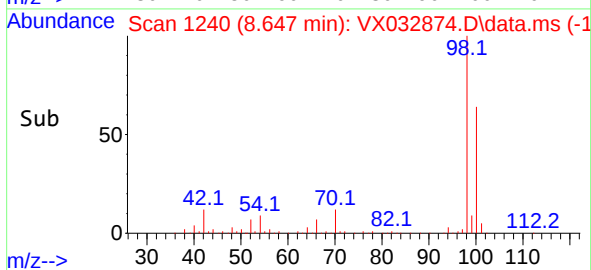
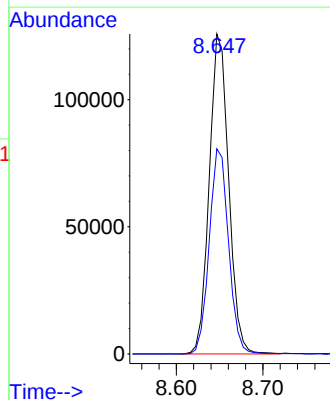
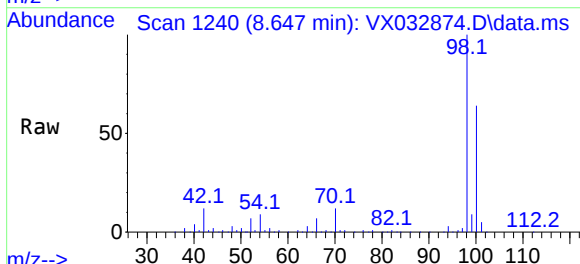
Instrument :
MSVOA_X
ClientSampleId :

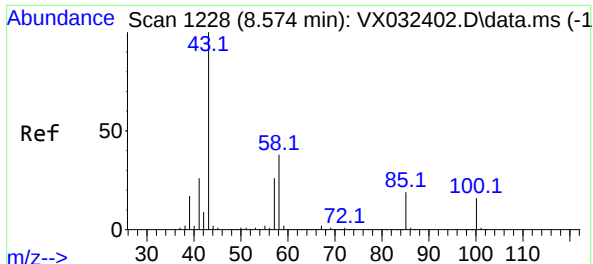
Tgt Ion: 43 Resp: 2090
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 0.0 10.8 16.2#



#50
Toluene-d8
Concen: 50.077 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

Tgt Ion: 98 Resp: 195848
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3

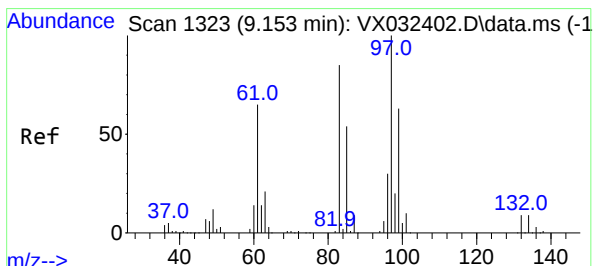
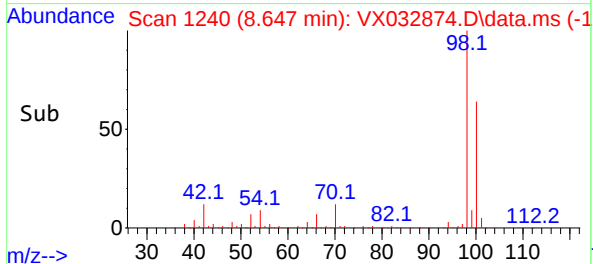
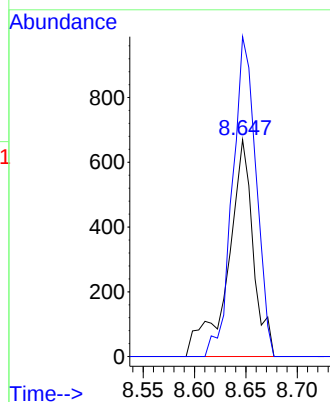
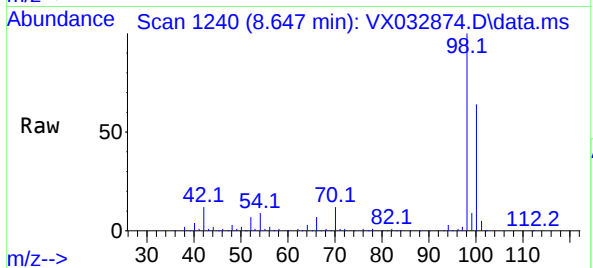




#51
4-Methyl-2-Pentanone
Concen: 0.721 ug/l
RT: 8.647 min Scan# 1137
Delta R.T. 0.073 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

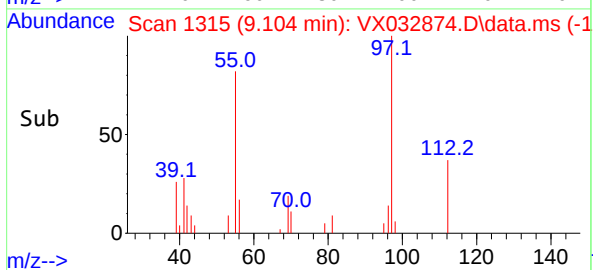
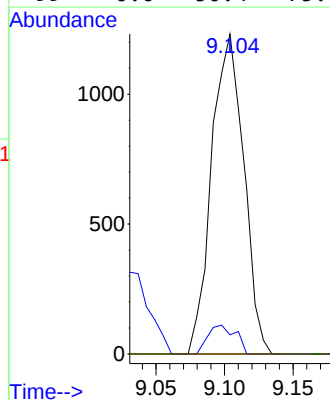
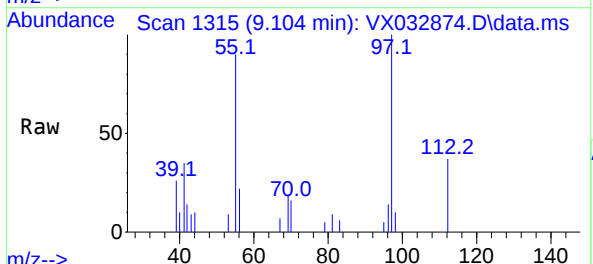
Instrument :
MSVOA_X
ClientSampleId :

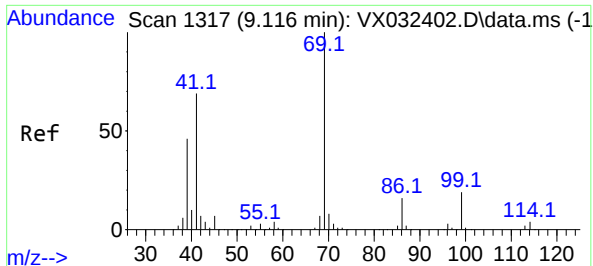
Tgt Ion: 43 Resp: 1137
Ion Ratio Lower Upper
43 100
58 138.6 30.9 46.3#



#55
1,1,2-Trichloroethane
Concen: 1.650 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

Tgt Ion: 97 Resp: 2009
Ion Ratio Lower Upper
97 100
83 6.0 68.1 102.1#
85 0.0 43.3 64.9#
99 0.0 50.4 75.6#





#56

Ethyl methacrylate

Concen: 0.293 ug/l

RT: 9.098 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX032874.D

Acq: 16 Nov 2022 17:33

Instrument :

MSVOA_X

ClientSampleId :

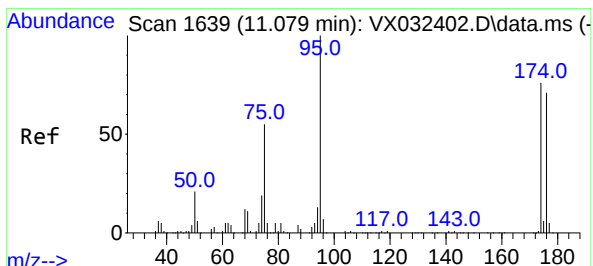
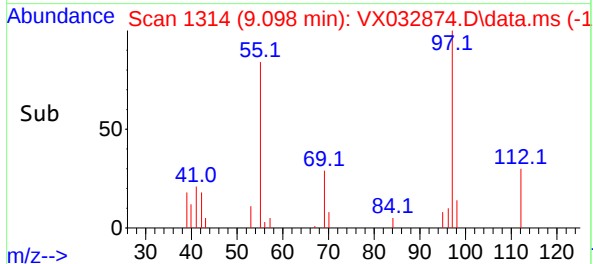
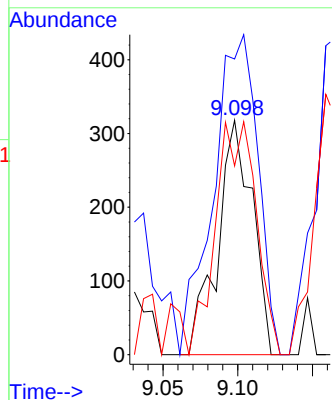
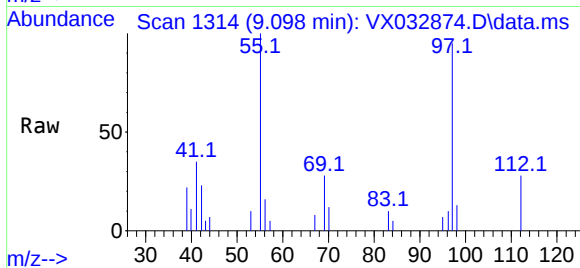
Tgt Ion: 69 Resp: 514

Ion Ratio Lower Upper

69 100

41 175.9 54.3 81.5#

39 116.1 35.2 52.8#



#62

4-Bromofluorobenzene

Concen: 50.135 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032874.D

Acq: 16 Nov 2022 17:33

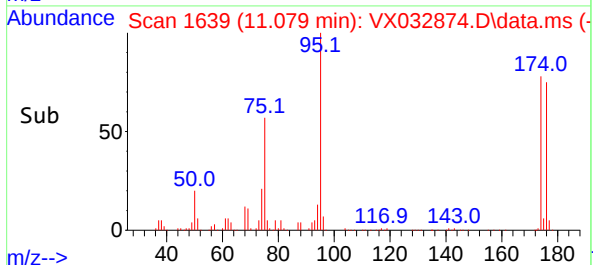
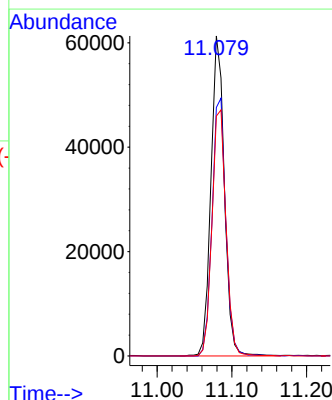
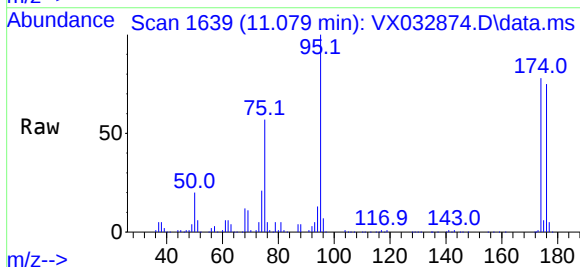
Tgt Ion: 95 Resp: 76591

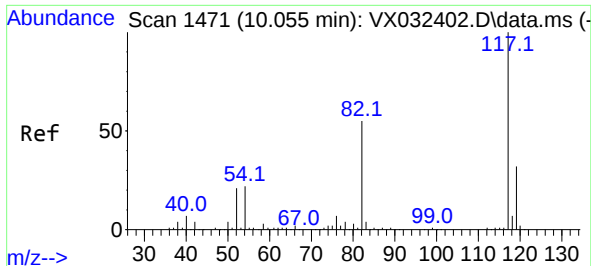
Ion Ratio Lower Upper

95 100

174 82.3 0.0 164.0

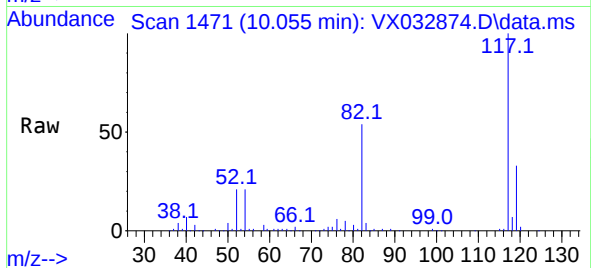
176 80.3 0.0 154.4



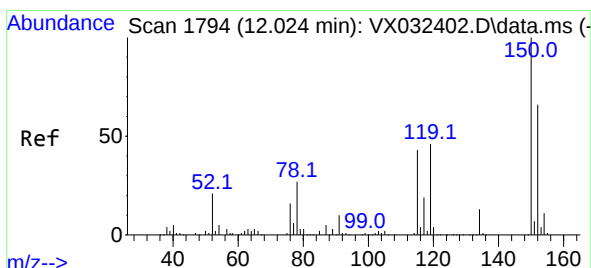
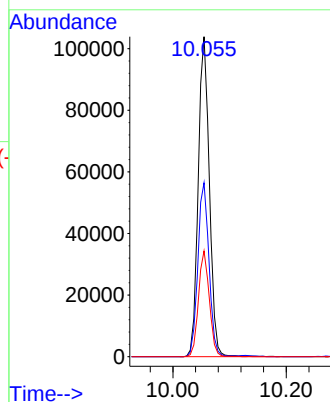
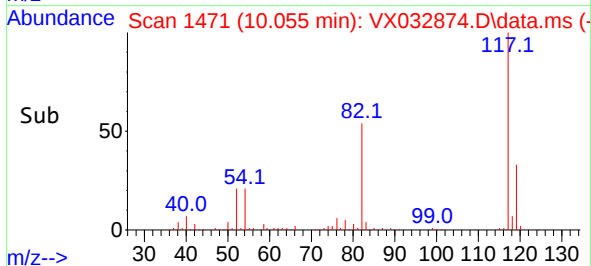


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

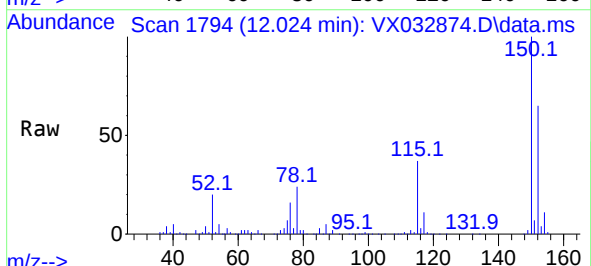
Instrument :
MSVOA_X
ClientSampleId :



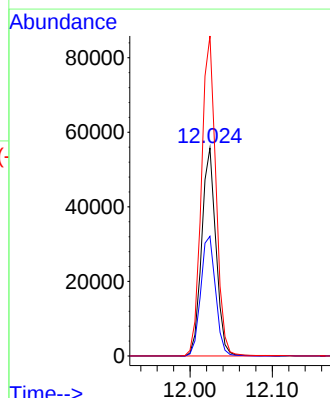
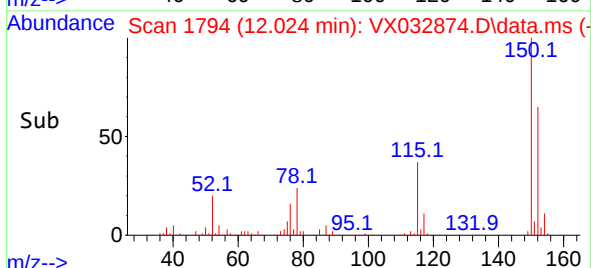
Tgt Ion:117 Resp: 141424
Ion Ratio Lower Upper
117 100
82 54.4 44.3 66.5
119 33.0 25.7 38.5

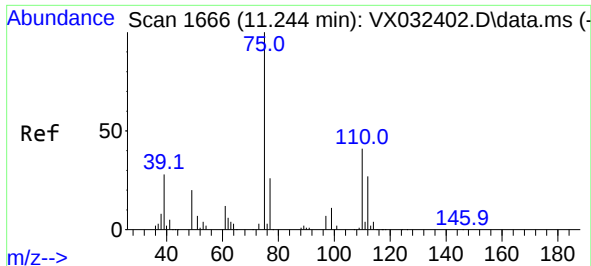


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33



Tgt Ion:152 Resp: 67238
Ion Ratio Lower Upper
152 100
115 60.1 44.0 132.0
150 156.6 0.0 351.8

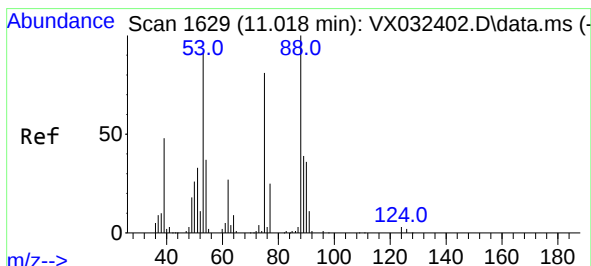
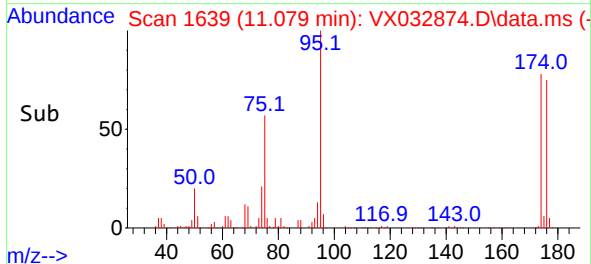
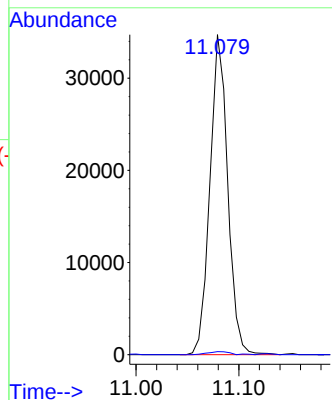
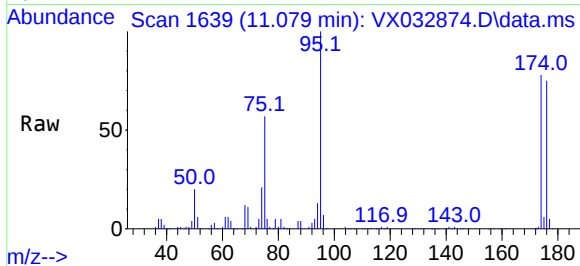




#76
1,2,3-Trichloropropane
Concen: 27.972 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

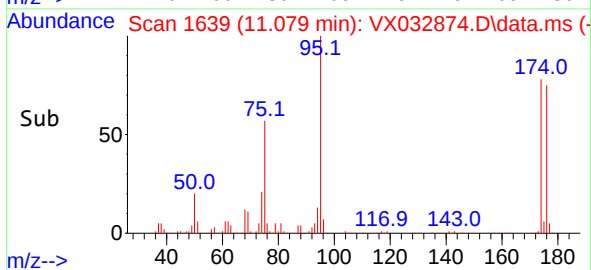
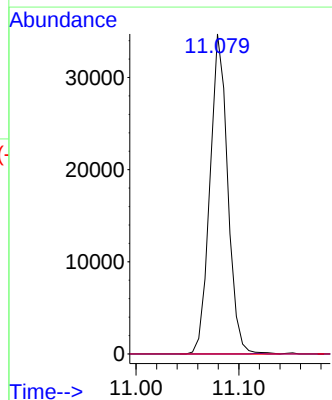
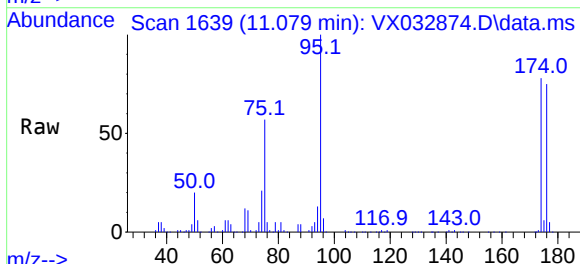
Instrument :
MSVOA_X
ClientSampleId :

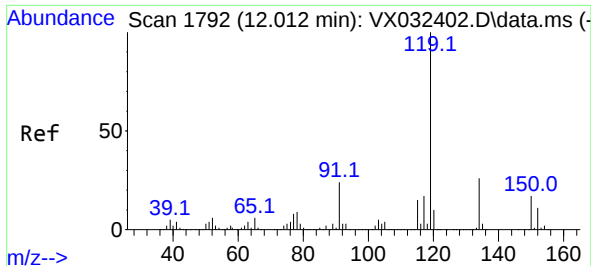
Tgt Ion: 75 Resp: 41843
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.008 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

Tgt Ion: 75 Resp: 41843
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

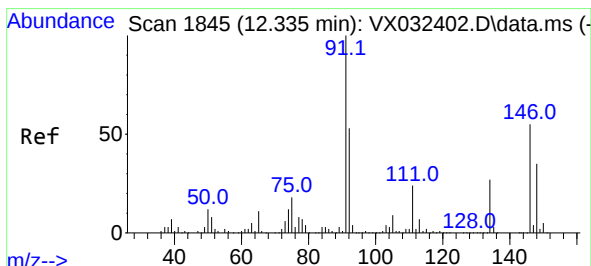
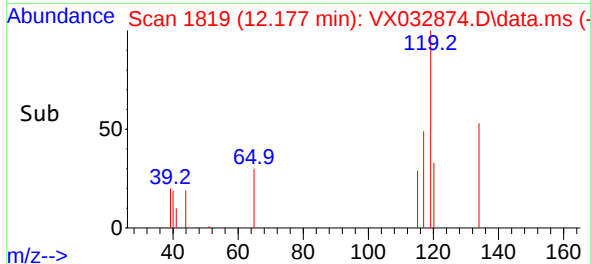
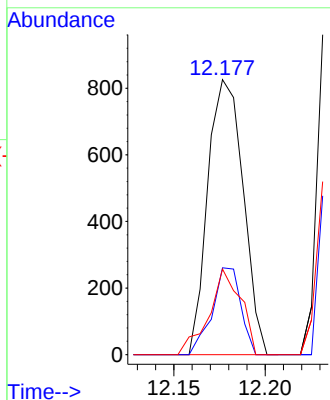
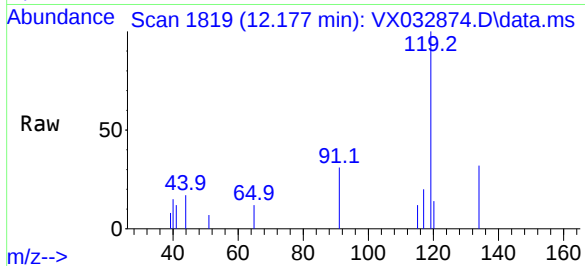




#86
p-Isopropyltoluene
Concen: 0.240 ug/l
RT: 12.177 min Scan# 1112
Delta R.T. 0.165 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

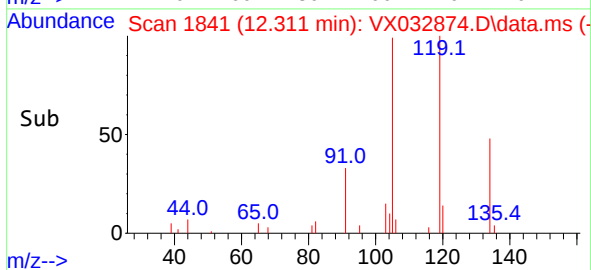
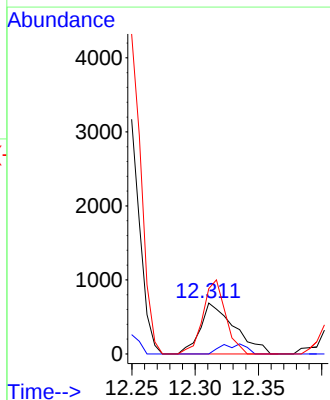
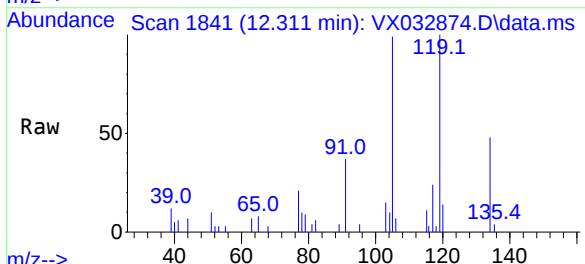
Instrument :
MSVOA_X
ClientSampleId :

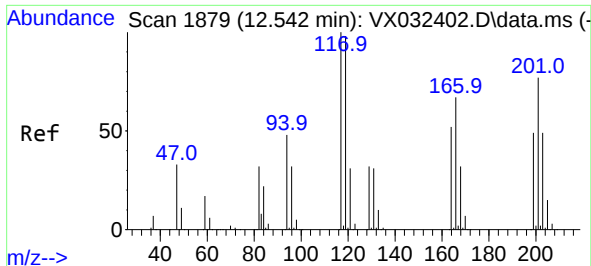
Tgt Ion:119 Resp: 1112
Ion Ratio Lower Upper
119 100
134 25.5 12.9 38.7
91 27.9 12.5 37.5



#89
n-Butylbenzene
Concen: 0.320 ug/l
RT: 12.311 min Scan# 1841
Delta R.T. -0.024 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

Tgt Ion: 91 Resp: 1291
Ion Ratio Lower Upper
91 100
92 0.0 26.2 78.6#
134 96.4 12.9 38.6#

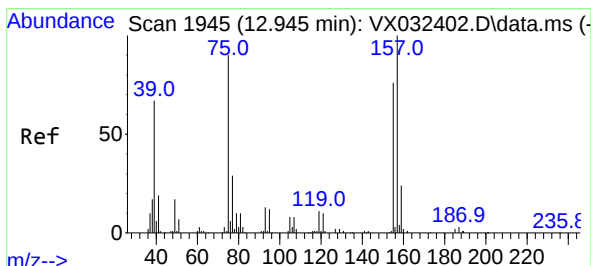
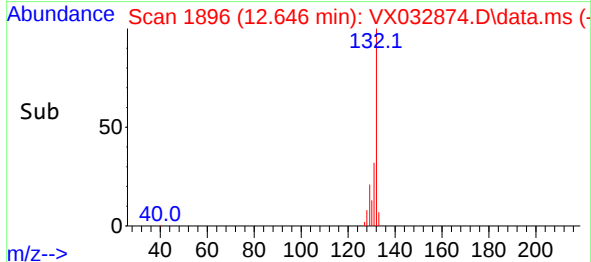
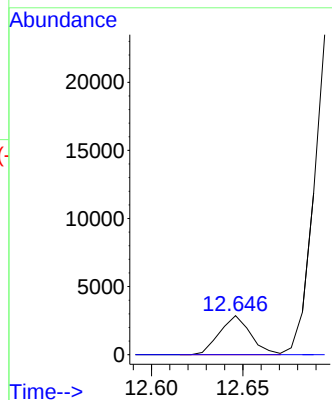
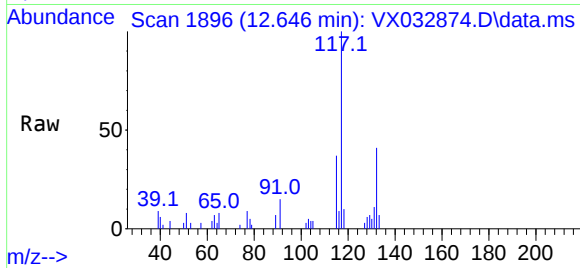




#90
Hexachloroethane
Concen: 4.457 ug/l
RT: 12.646 min Scan# 117
Delta R.T. 0.104 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 3379
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.749 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. -0.244 min
Lab File: VX032874.D
Acq: 16 Nov 2022 17:33

Tgt Ion: 75 Resp: 656
Ion Ratio Lower Upper
75 100
155 0.0 41.6 124.8#
157 0.0 54.1 162.4#

