

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111422\
 Data File : VX032798.D
 Acq On : 14 Nov 2022 16:36
 Operator : JC/MD
 Sample : N5572-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31912

Quant Time: Nov 15 05:09:03 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)

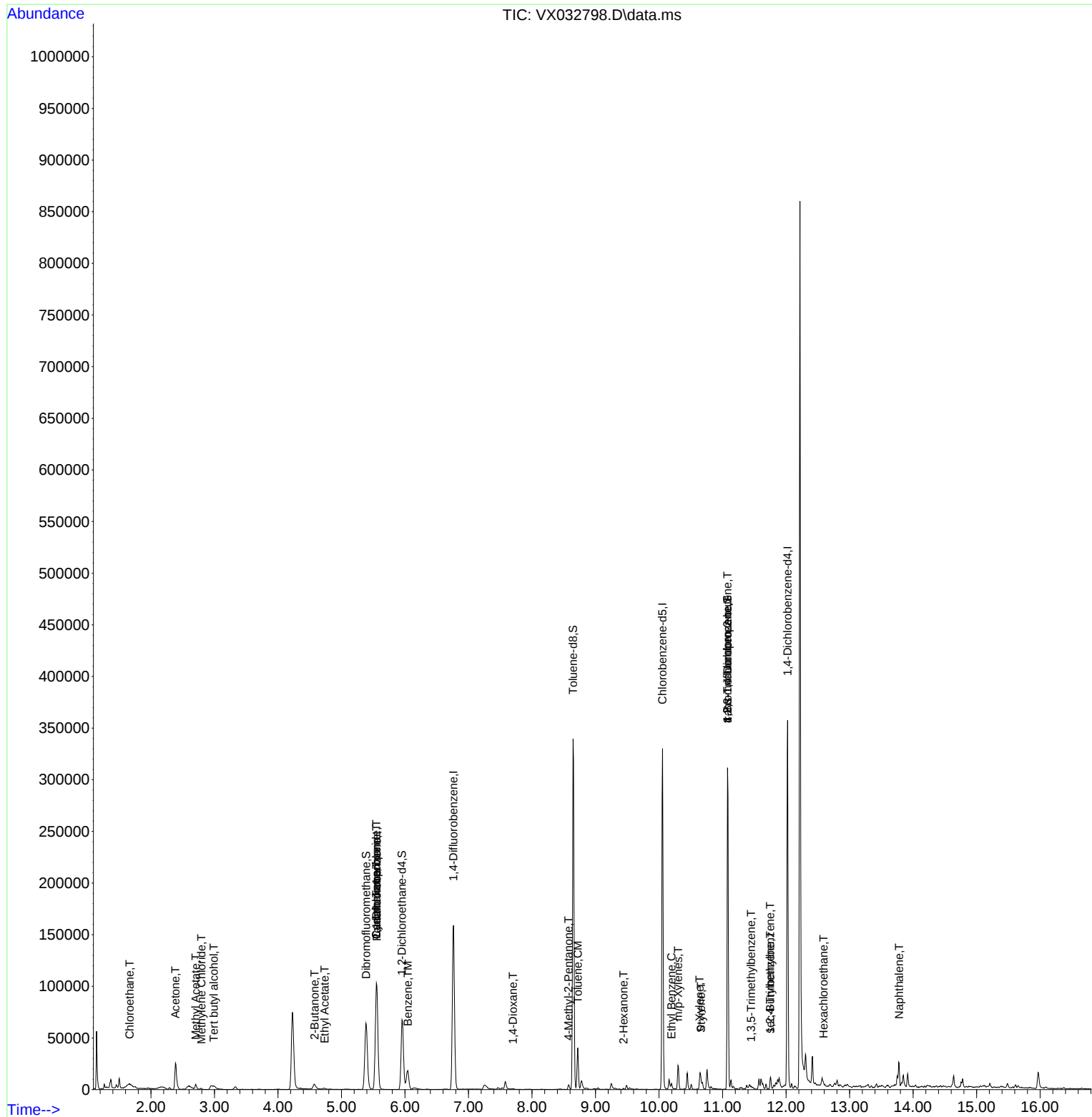
Internal Standards						
1) Pentafluorobenzene	5.556	168	99484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	162441	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	144500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67937	49.148	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.300%		
35) Dibromofluoromethane	5.385	113	54715	47.221	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.440%		
50) Toluene-d8	8.646	98	198858	49.356	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.720%		
62) 4-Bromofluorobenzene	11.079	95	77694	49.365	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.740%		
Target Compounds					Qvalue	
6) Chloroethane	1.666	64	149	0.208	ug/l #	42
11) Tert butyl alcohol	2.989	59	8491	42.203	ug/l	95
16) Acetone	2.385	43	31173	62.048	ug/l	100
18) Methyl Acetate	2.702	43	5372	3.288	ug/l	97
20) Methylene Chloride	2.794	84	381	0.331	ug/l #	74
25) 2-Butanone	4.574	43	7277	9.349	ug/l	98
31) Cyclohexane	5.549	56	2164	1.291	ug/l #	30
36) 1,1-Dichloropropene	5.549	75	7600	4.710	ug/l #	51
37) Ethyl Acetate	4.733	43	2120	1.262	ug/l #	76
38) Carbon Tetrachloride	5.549	117	10293	5.751	ug/l #	14
40) Benzene	6.043	78	22423	4.911	ug/l	99
49) 1,4-Dioxane	7.702	88	264	10.401	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	2603	1.603	ug/l	98
52) Toluene	8.720	92	14381	4.827	ug/l	99
59) 2-Hexanone	9.439	43	710	0.589	ug/l	95
67) Ethyl Benzene	10.195	91	3148	0.544	ug/l	93
68) m/p-Xylenes	10.299	106	5464	2.431	ug/l	98
69) o-Xylene	10.640	106	2409	1.102	ug/l	97
70) Styrene	10.658	104	4249	1.170	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	42124	25.769	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.451	105	1312	0.264	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	42124	81.998	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.750	105	4844	0.979	ug/l	87
85) sec-Butylbenzene	11.750	105	4844	0.810	ug/l #	57
90) Hexachloroethane	12.591	117	282	0.340	ug/l #	12
95) Naphthalene	13.780	128	13705	2.376	ug/l	98

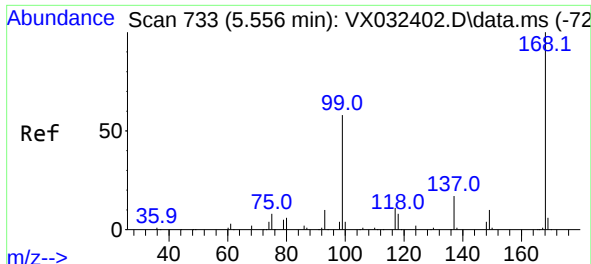
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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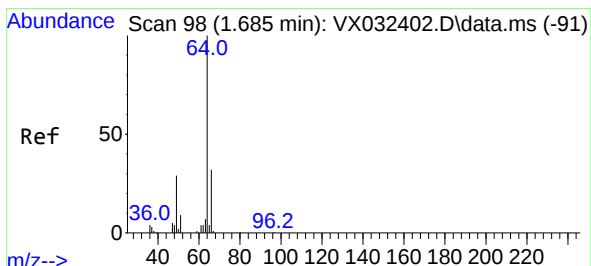
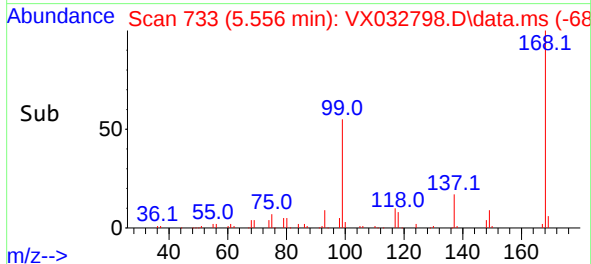
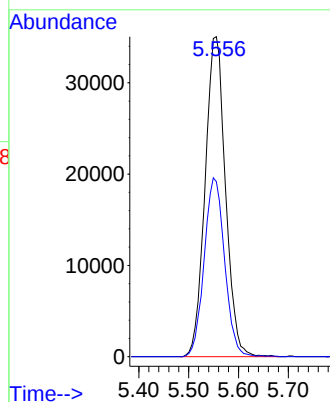
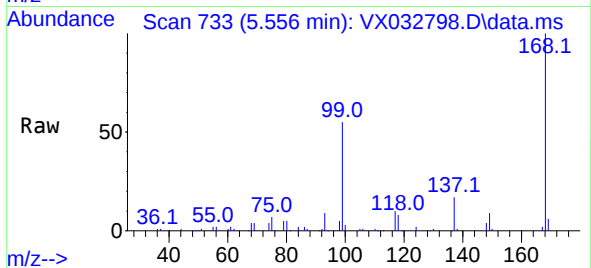




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

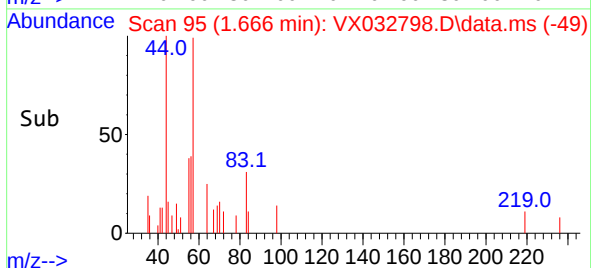
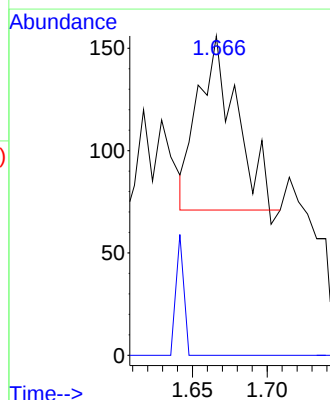
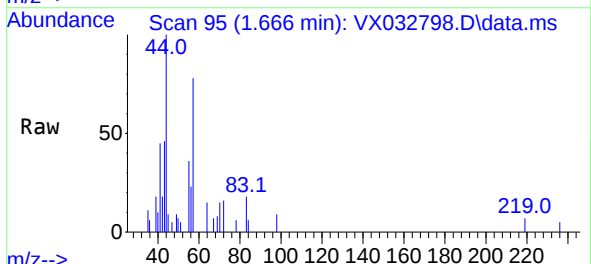
Instrument :
MSVOA_X
ClientSampleId :
31912

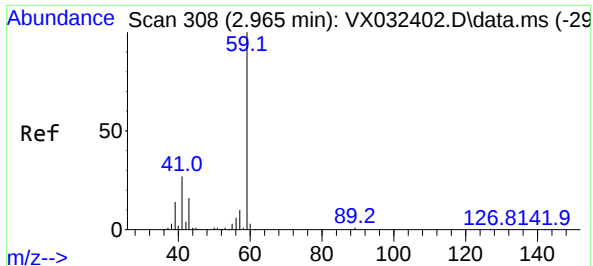
Tgt Ion:168 Resp: 99484
Ion Ratio Lower Upper
168 100
99 54.7 46.1 69.1



#6
Chloroethane
Concen: 0.208 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.019 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

Tgt Ion: 64 Resp: 149
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#





#11

Tert butyl alcohol

Concen: 42.203 ug/l

RT: 2.989 min Scan# 31

Delta R.T. 0.024 min

Lab File: VX032798.D

Acq: 14 Nov 2022 16:36

Instrument :

MSVOA_X

ClientSampleId :

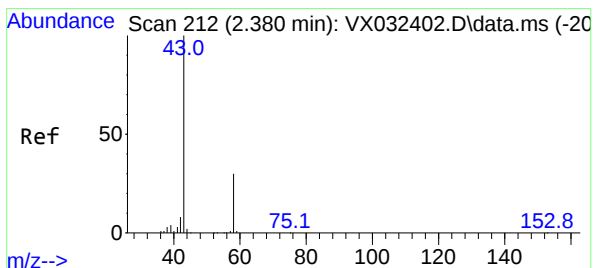
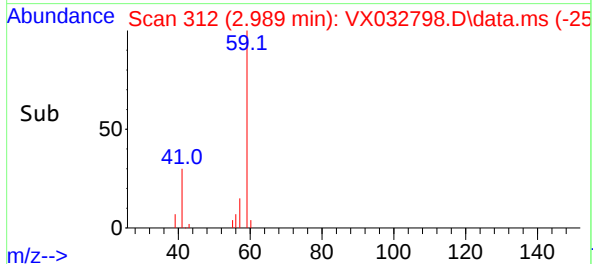
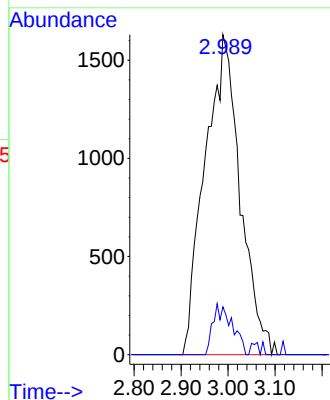
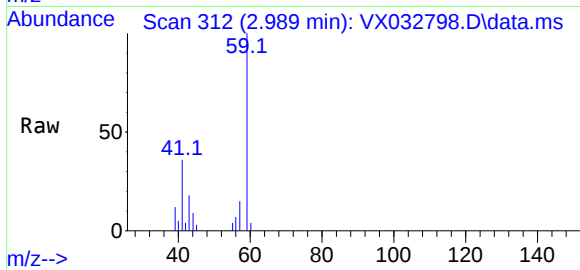
31912

Tgt Ion: 59 Resp: 8491

Ion Ratio Lower Upper

59 100

57 8.6 8.2 12.4



#16

Acetone

Concen: 62.048 ug/l

RT: 2.385 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX032798.D

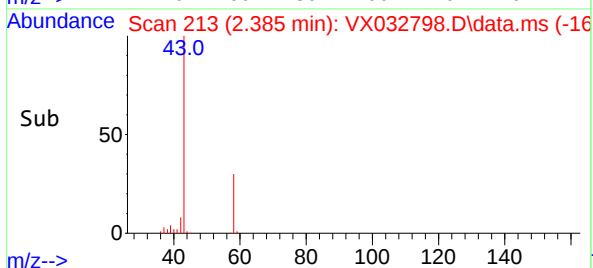
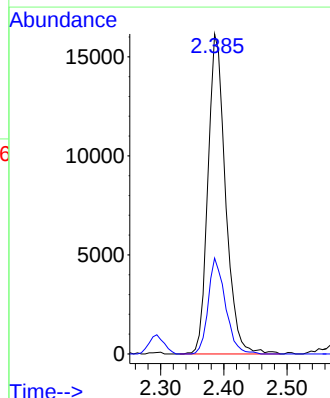
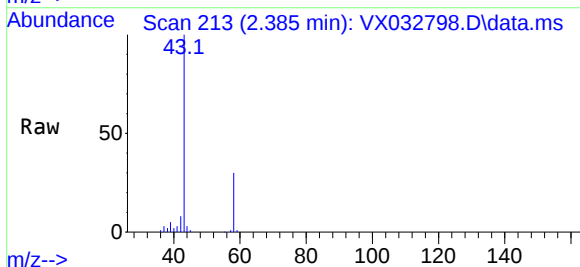
Acq: 14 Nov 2022 16:36

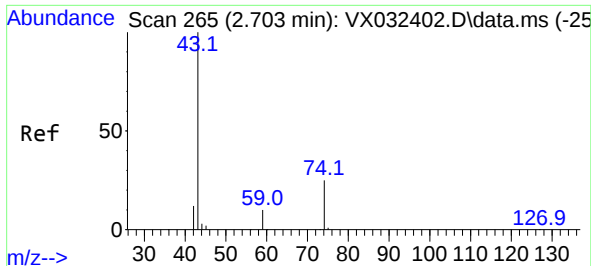
Tgt Ion: 43 Resp: 31173

Ion Ratio Lower Upper

43 100

58 30.0 23.8 35.8

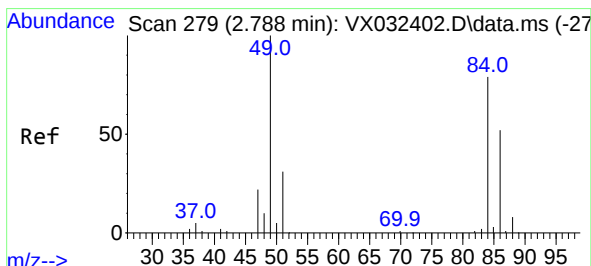
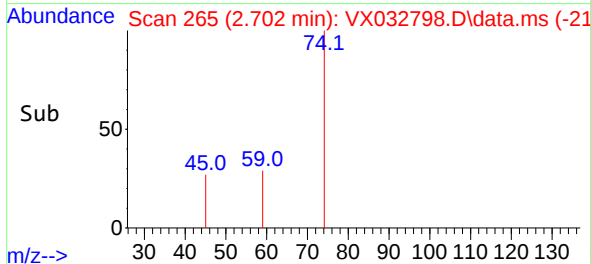
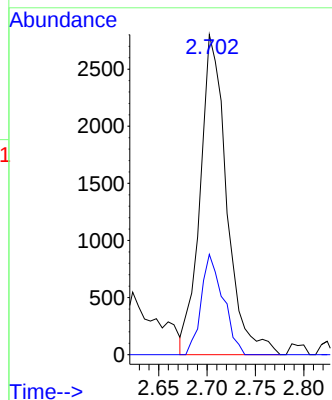
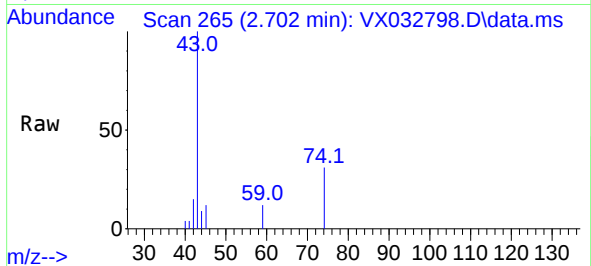




#18
Methyl Acetate
Concen: 3.288 ug/l
RT: 2.702 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

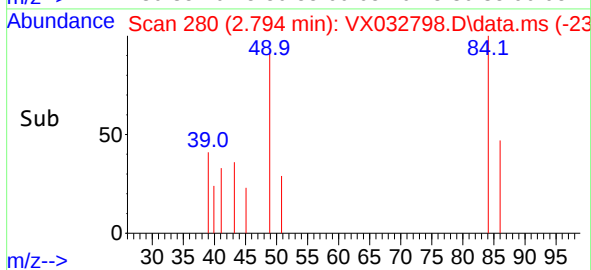
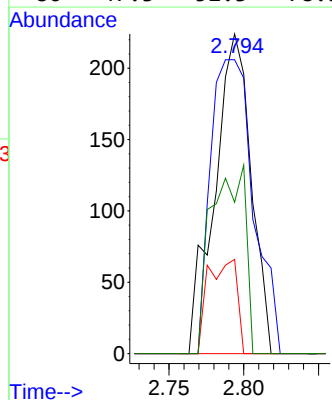
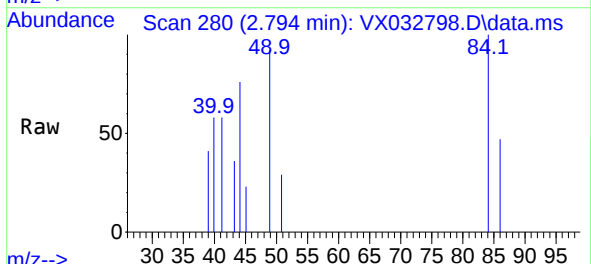
Instrument :
MSVOA_X
ClientSampleId :
31912

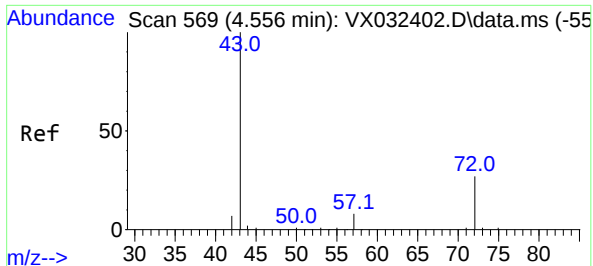
Tgt Ion: 43 Resp: 5372
Ion Ratio Lower Upper
43 100
74 25.9 19.4 29.0



#20
Methylene Chloride
Concen: 0.331 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

Tgt Ion: 84 Resp: 381
Ion Ratio Lower Upper
84 100
49 92.0 101.0 151.6#
51 29.5 31.1 46.7#
86 47.3 52.3 78.5#





#25

2-Butanone

Concen: 9.349 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX032798.D

Acq: 14 Nov 2022 16:36

Instrument :

MSVOA_X

ClientSampleId :

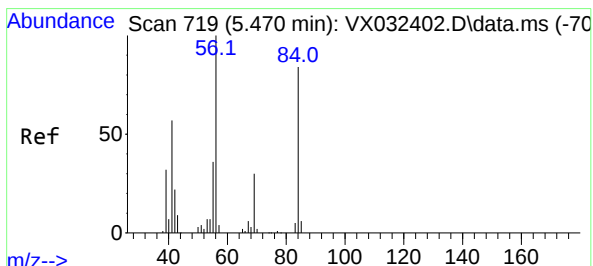
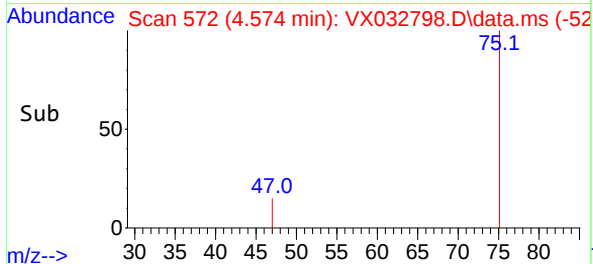
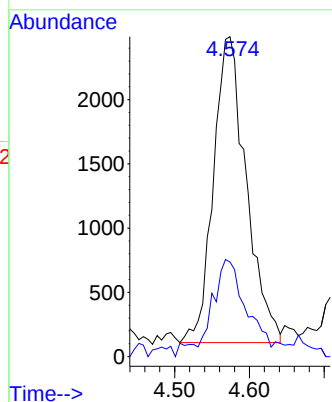
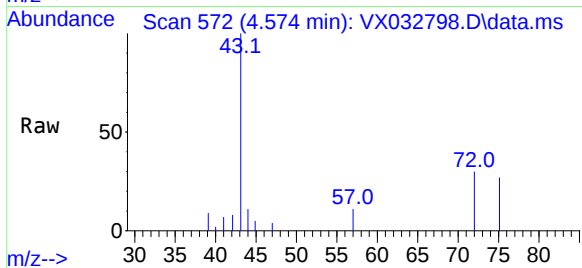
31912

Tgt Ion: 43 Resp: 7277

Ion Ratio Lower Upper

43 100

72 26.6 22.2 33.2



#31

Cyclohexane

Concen: 1.291 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX032798.D

Acq: 14 Nov 2022 16:36

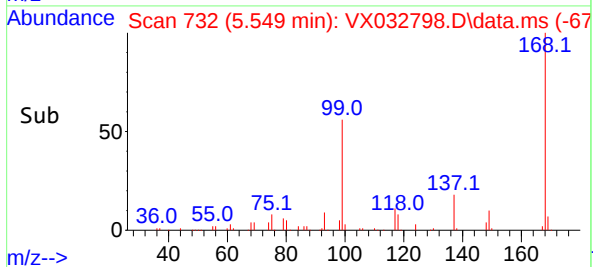
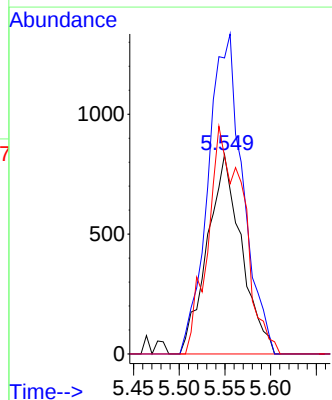
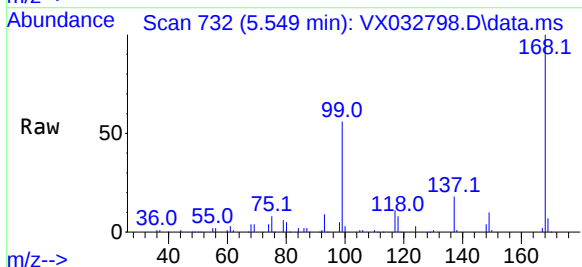
Tgt Ion: 56 Resp: 2164

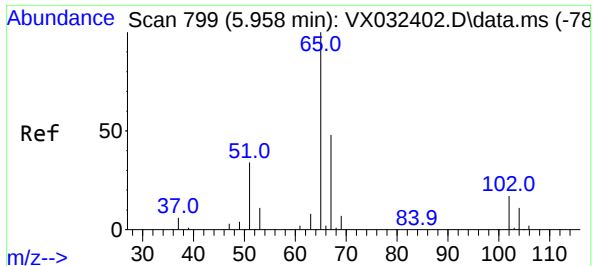
Ion Ratio Lower Upper

56 100

69 148.4 24.1 36.1#

84 99.0 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 49.148 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX032798.D

Acq: 14 Nov 2022 16:36

Instrument :

MSVOA_X

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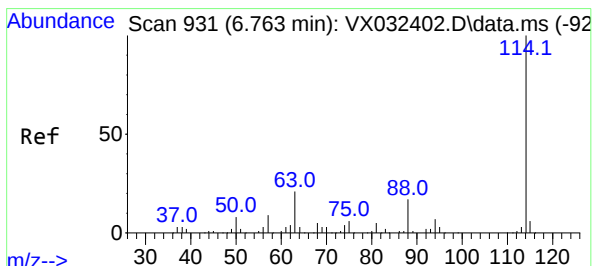
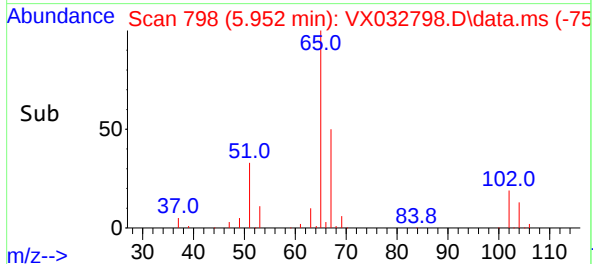
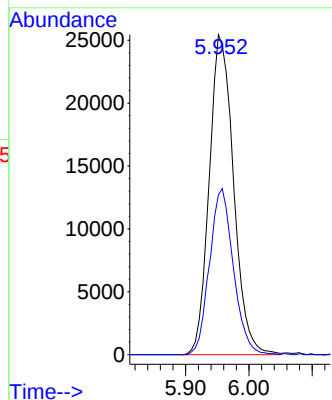
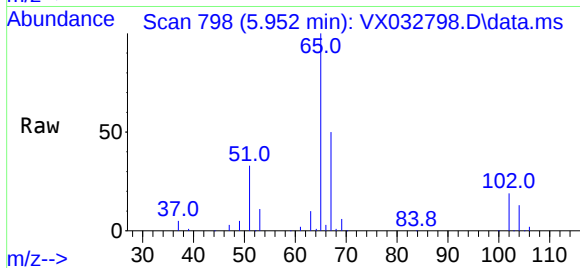
31912

Tgt Ion: 65 Resp: 67937

Ion Ratio Lower Upper

65 100

67 50.9 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: VX032798.D

Acq: 14 Nov 2022 16:36

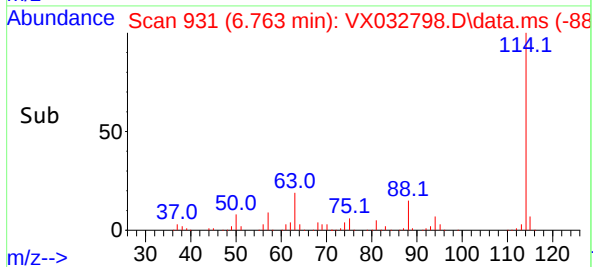
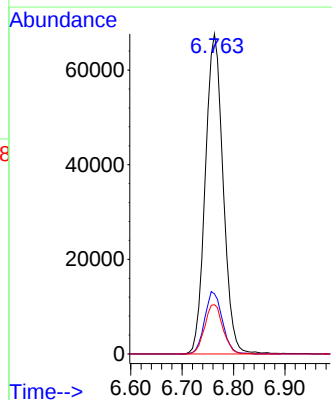
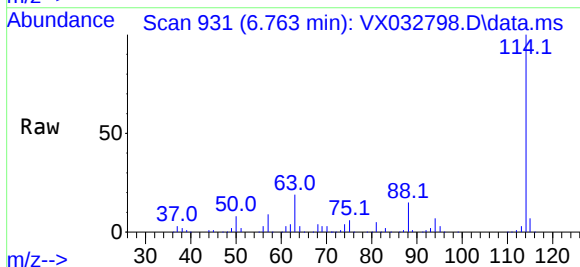
Tgt Ion: 114 Resp: 162441

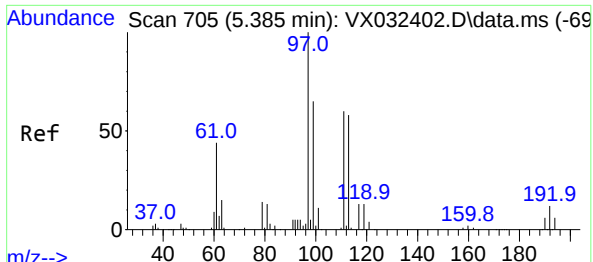
Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.6

88 15.4 0.0 33.4

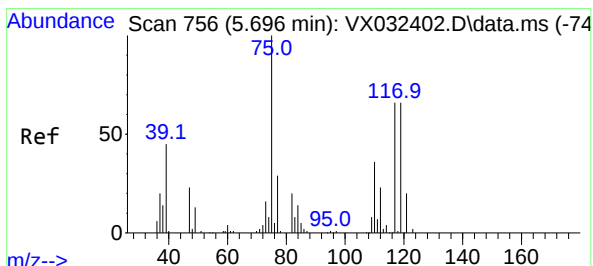
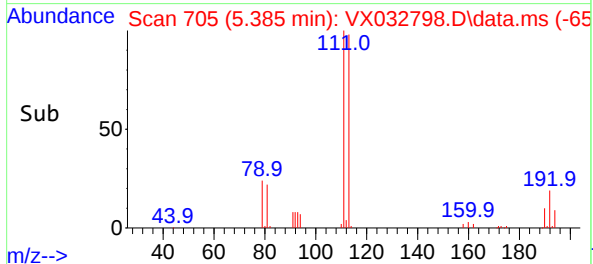
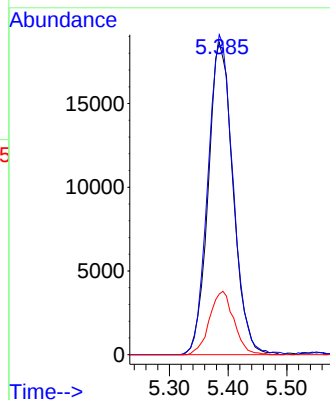
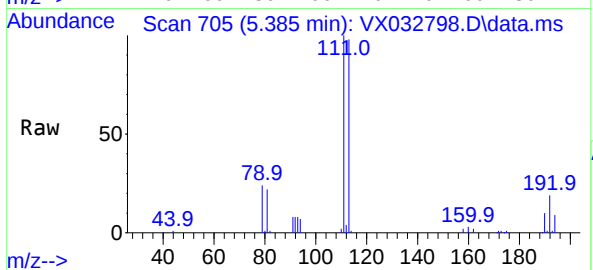




#35
Dibromofluoromethane
Concen: 47.221 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

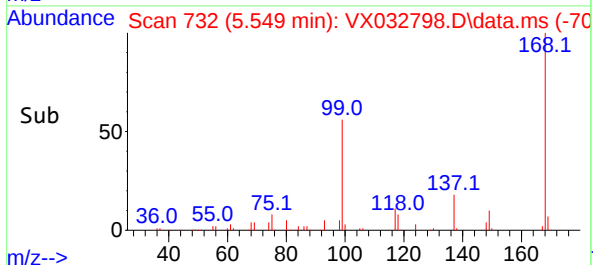
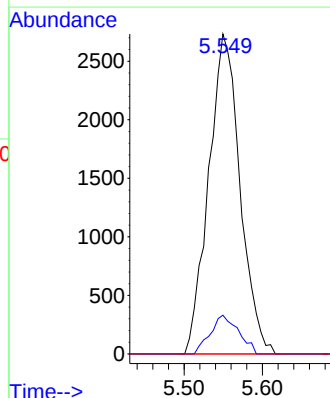
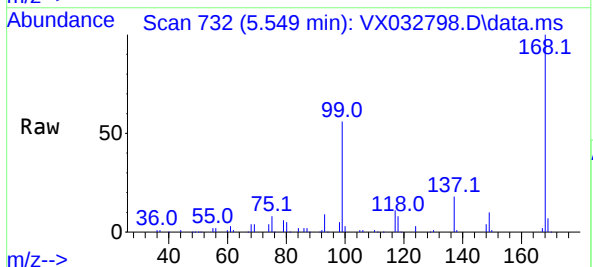
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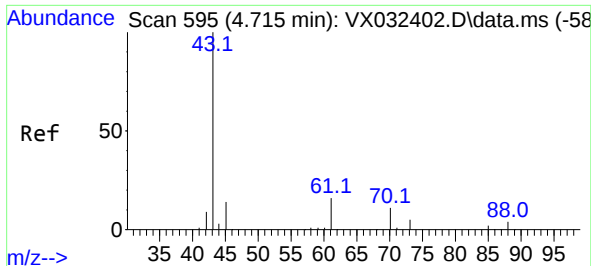
Tgt Ion:	113	Resp:	54715
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.4	123.6
192	19.9	15.4	23.2



#36
1,1-Dichloropropene
Concen: 4.710 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.147 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

Tgt Ion:	75	Resp:	7600
Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.4	55.2#
77	0.0	24.5	36.7#





#37

Ethyl Acetate

Concen: 1.262 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

Lab File: VX032798.D

Acq: 14 Nov 2022 16:36

Instrument :

MSVOA_X

ClientSampleId :

31912

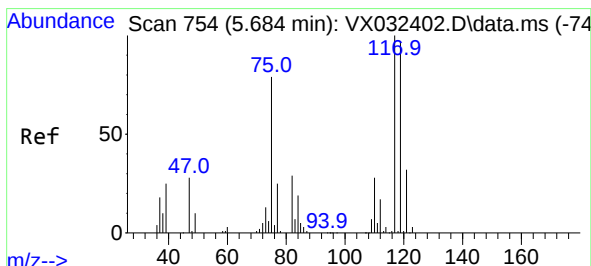
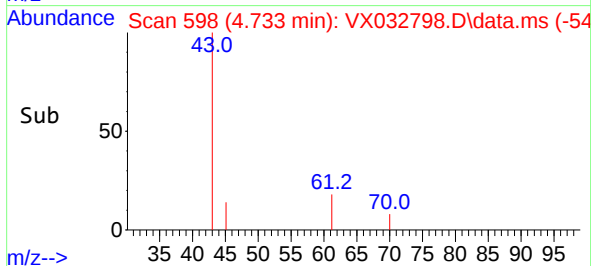
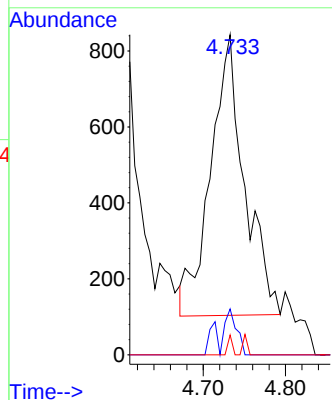
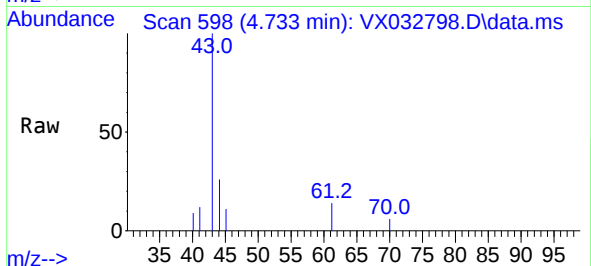
Tgt Ion: 43 Resp: 2120

Ion Ratio Lower Upper

43 100

61 5.8 11.5 17.3#

70 0.9 9.1 13.7#



#38

Carbon Tetrachloride

Concen: 5.751 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX032798.D

Acq: 14 Nov 2022 16:36

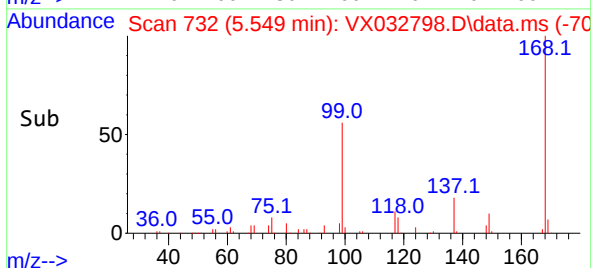
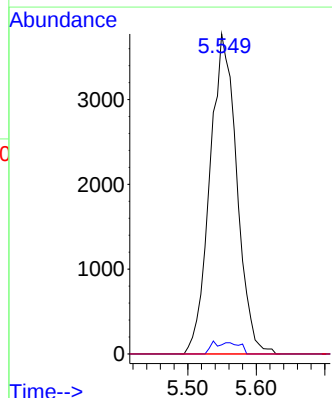
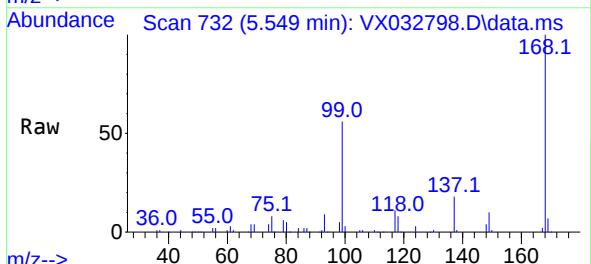
Tgt Ion: 117 Resp: 10293

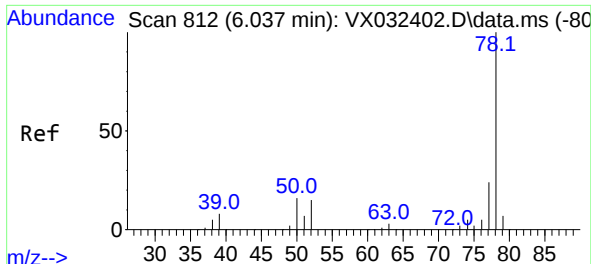
Ion Ratio Lower Upper

117 100

119 2.9 77.2 115.8#

121 0.0 25.8 38.6#

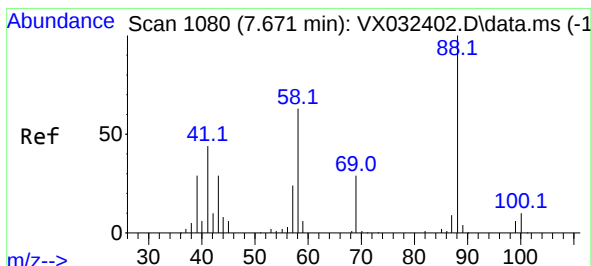
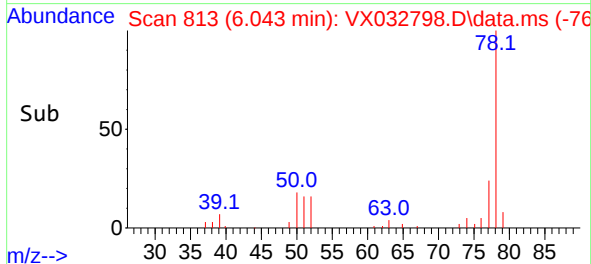
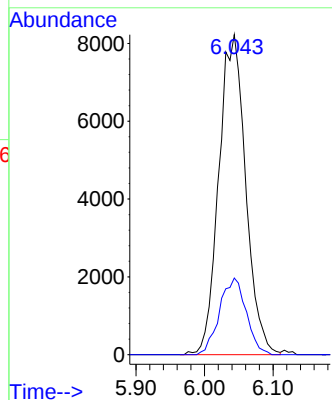
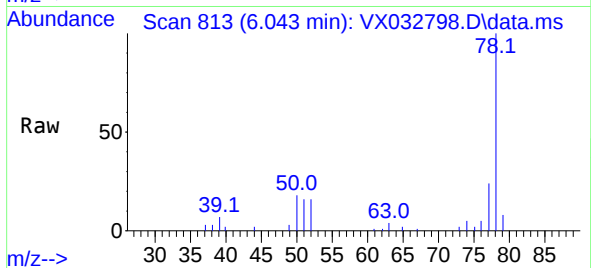




#40
Benzene
Concen: 4.911 ug/l
RT: 6.043 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

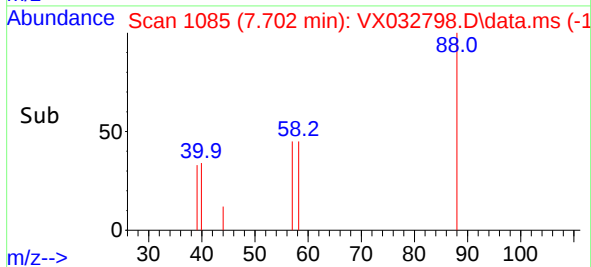
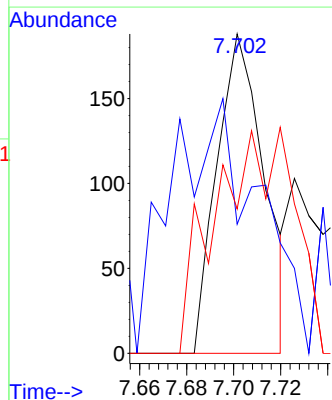
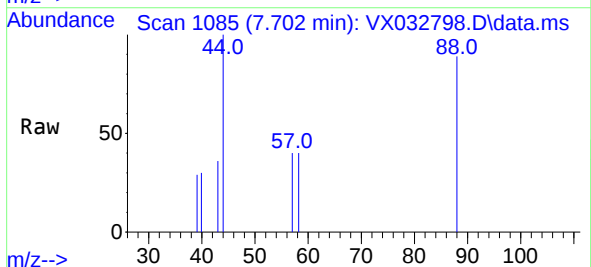
Instrument :
MSVOA_X
ClientSampleId :
31912

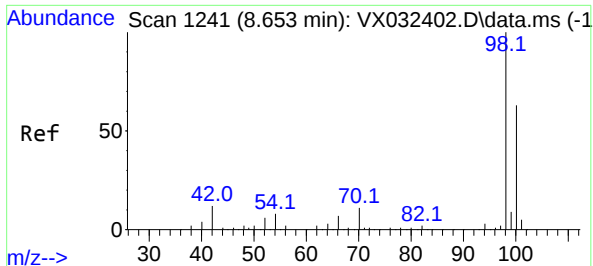
Tgt Ion: 78 Resp: 22423
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4



#49
1,4-Dioxane
Concen: 10.401 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.030 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

Tgt Ion: 88 Resp: 264
Ion Ratio Lower Upper
88 100
43 145.8 26.6 39.8#
58 0.0 51.7 77.5#

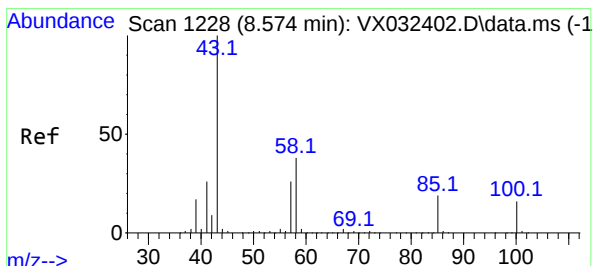
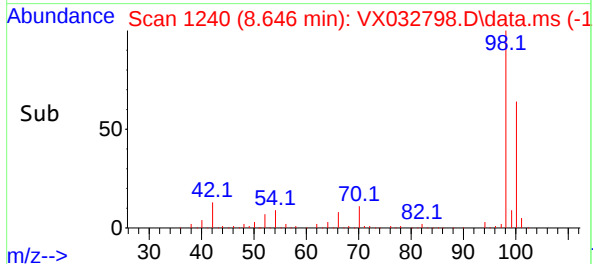
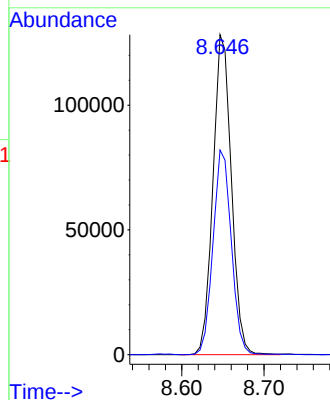
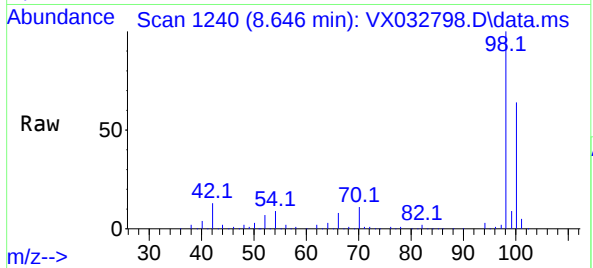




#50
Toluene-d8
Concen: 49.356 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

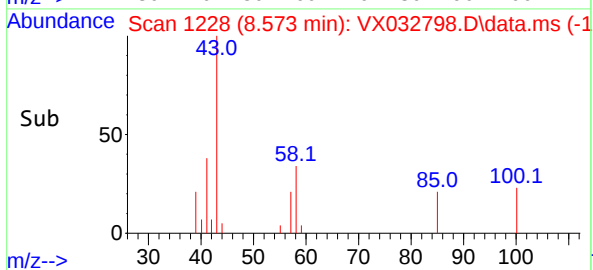
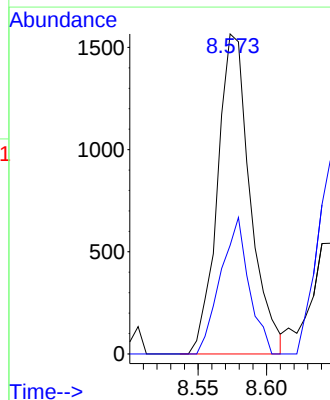
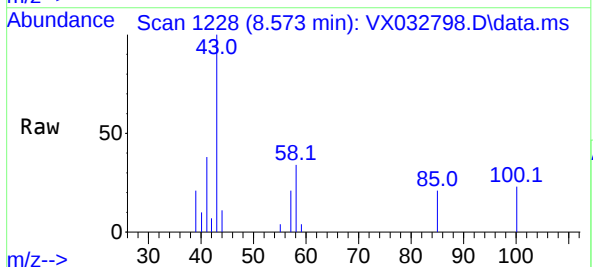
Instrument :
MSVOA_X
ClientSampleId :
31912

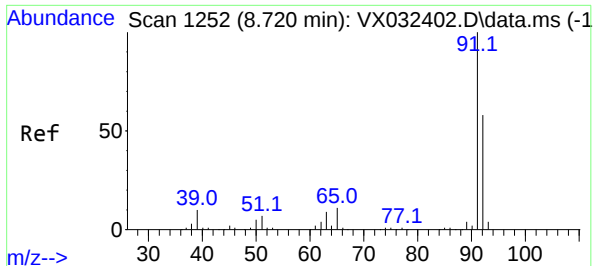
Tgt Ion: 98 Resp: 198858
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.603 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

Tgt Ion: 43 Resp: 2603
Ion Ratio Lower Upper
43 100
58 37.1 30.9 46.3





#52

Toluene

Concen: 4.827 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX032798.D

Acq: 14 Nov 2022 16:36

Instrument :

MSVOA_X

ClientSampleId :

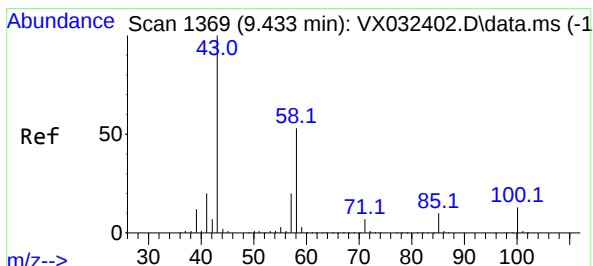
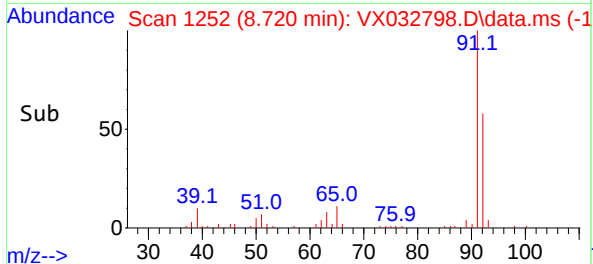
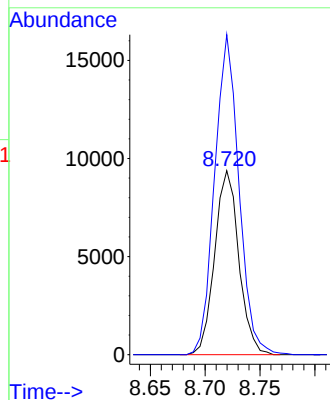
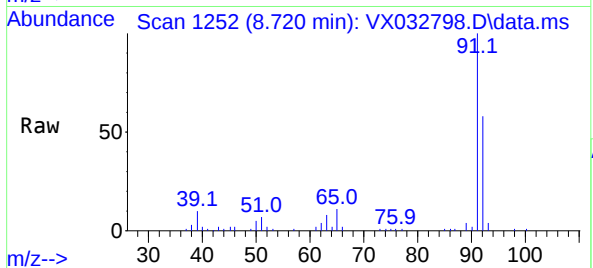
31912

Tgt Ion: 92 Resp: 14381

Ion Ratio Lower Upper

92 100

91 174.8 138.3 207.5



#59

2-Hexanone

Concen: 0.589 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX032798.D

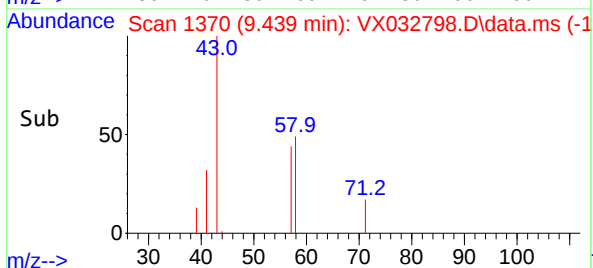
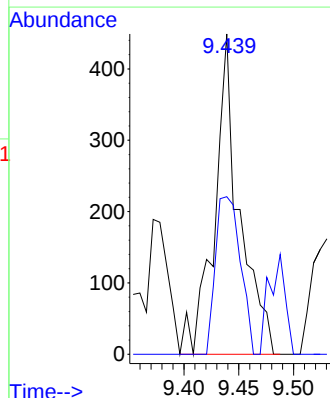
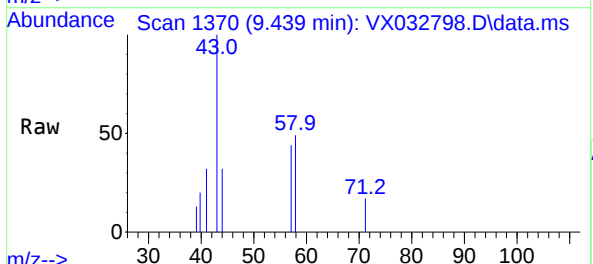
Acq: 14 Nov 2022 16:36

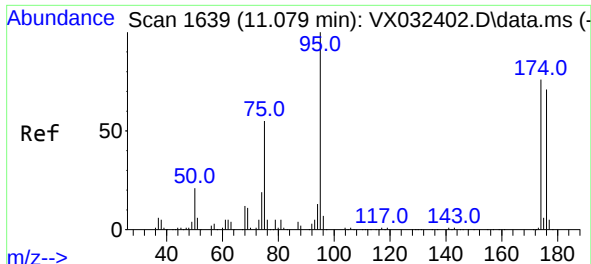
Tgt Ion: 43 Resp: 710

Ion Ratio Lower Upper

43 100

58 49.2 26.5 79.5

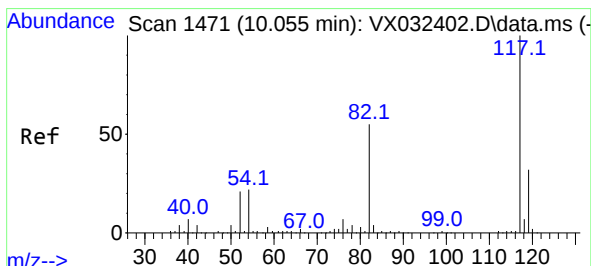
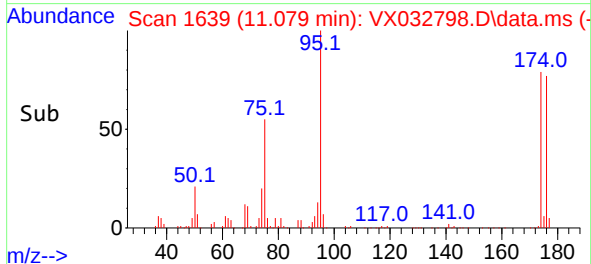
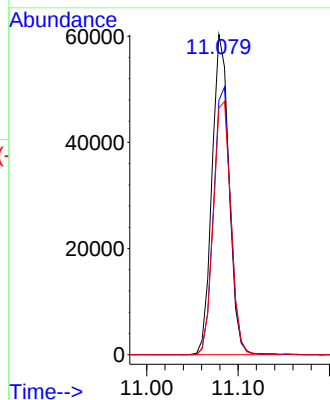
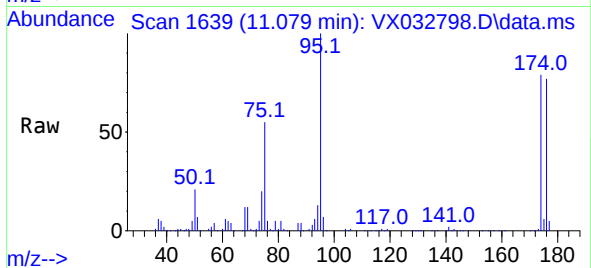




#62
4-Bromofluorobenzene
Concen: 49.365 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

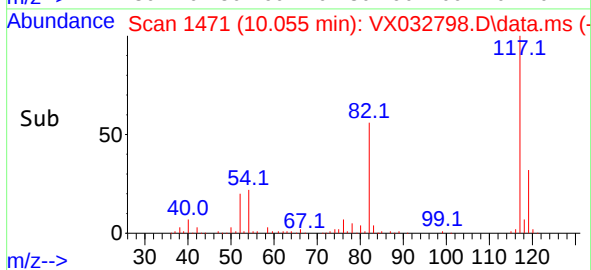
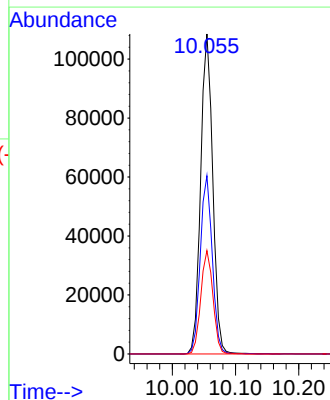
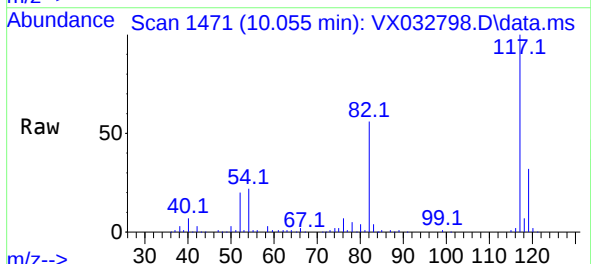
Instrument :
MSVOA_X
ClientSampleId :
31912

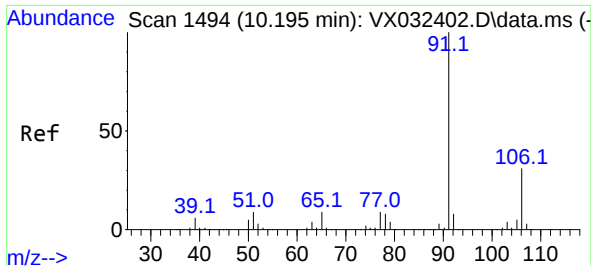
Tgt Ion: 95 Resp: 77694
Ion Ratio Lower Upper
95 100
174 84.2 0.0 164.0
176 81.5 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

Tgt Ion: 117 Resp: 144500
Ion Ratio Lower Upper
117 100
82 55.7 44.3 66.5
119 32.3 25.7 38.5

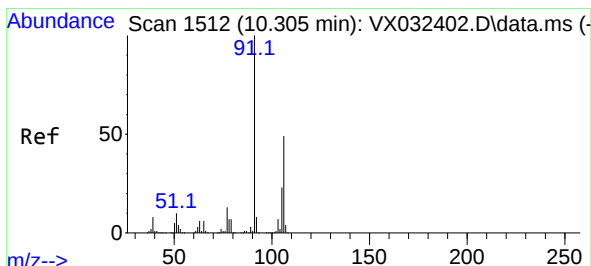
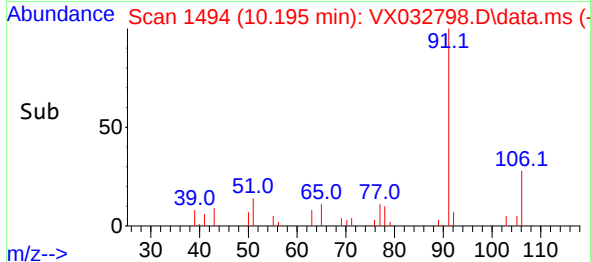
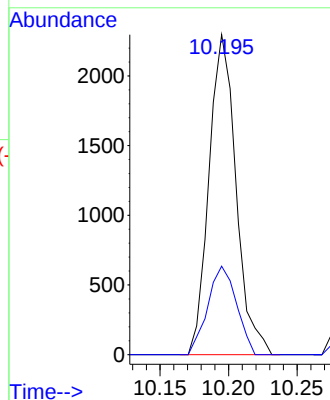
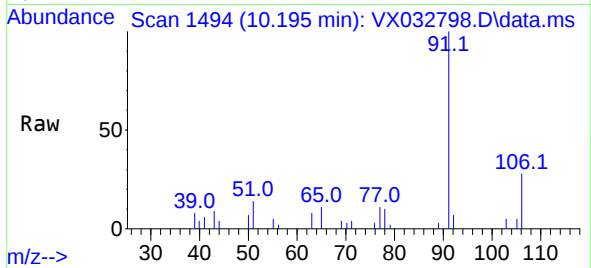




#67
Ethyl Benzene
Concen: 0.544 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

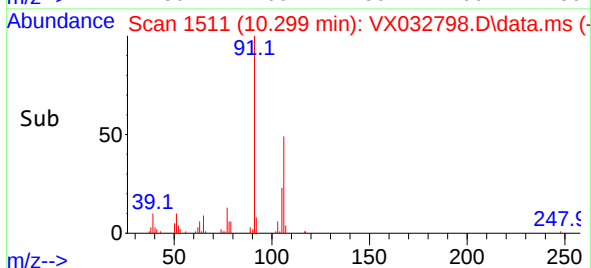
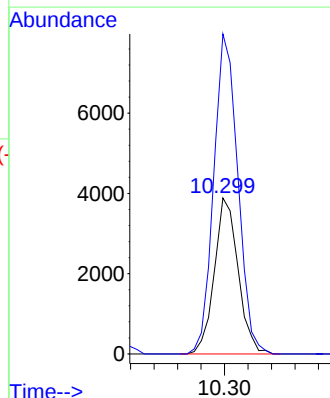
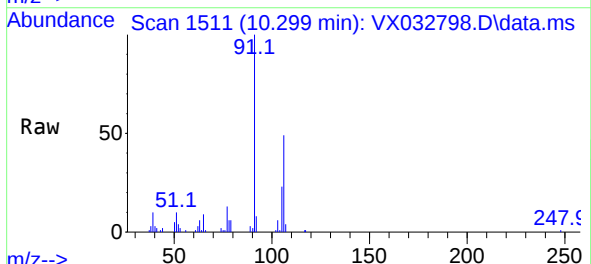
Instrument :
MSVOA_X
ClientSampleId :
31912

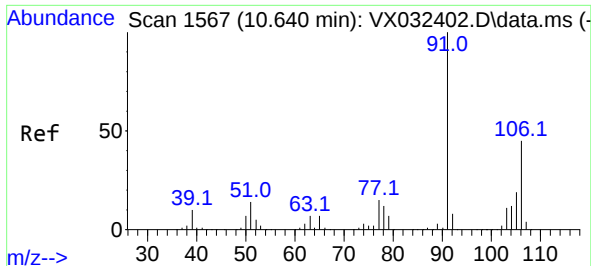
Tgt Ion: 91 Resp: 3148
Ion Ratio Lower Upper
91 100
106 27.7 25.0 37.6



#68
m/p-Xylenes
Concen: 2.431 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

Tgt Ion: 106 Resp: 5464
Ion Ratio Lower Upper
106 100
91 207.9 164.5 246.7

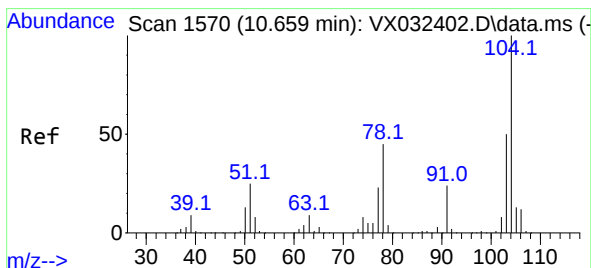
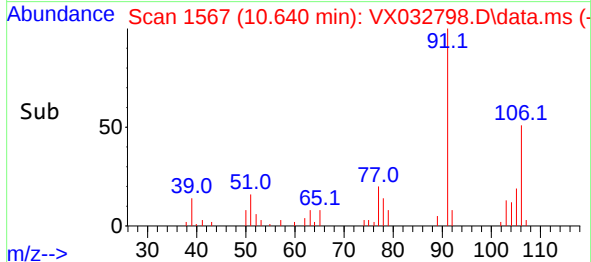
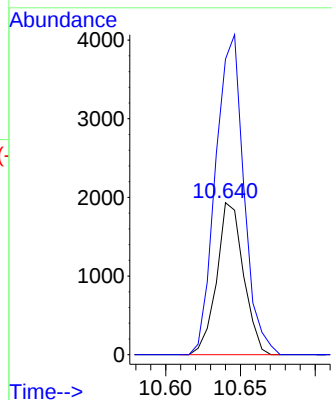
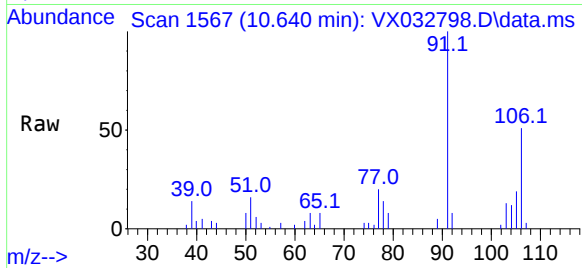




#69
o-Xylene
Concen: 1.102 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

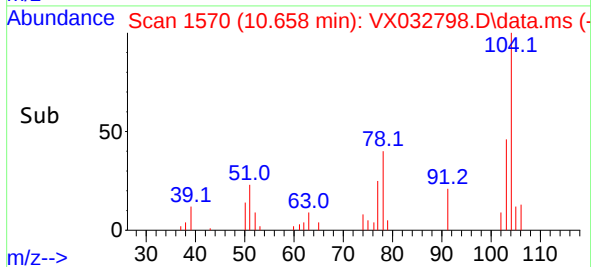
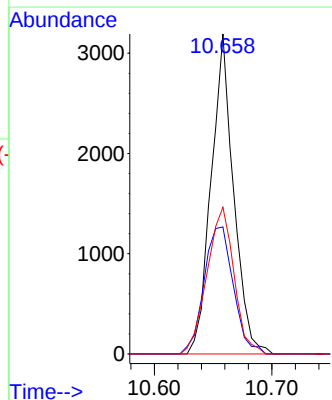
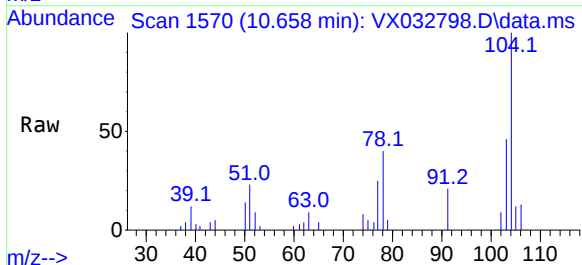
Instrument :
MSVOA_X
ClientSampleId :
31912

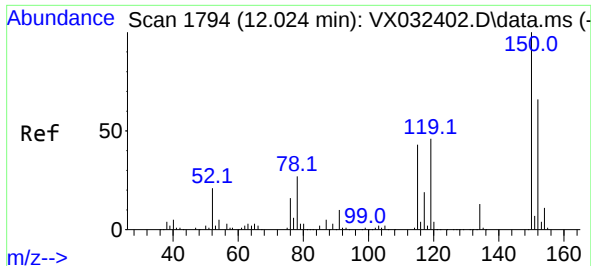
Tgt Ion:106 Resp: 2409
Ion Ratio Lower Upper
106 100
91 222.5 109.2 327.6



#70
Styrene
Concen: 1.170 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

Tgt Ion:104 Resp: 4249
Ion Ratio Lower Upper
104 100
78 51.7 41.8 62.8
103 55.0 44.5 66.7

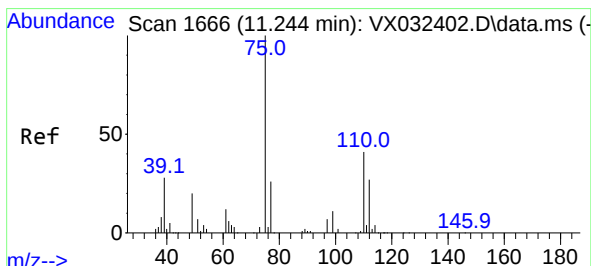
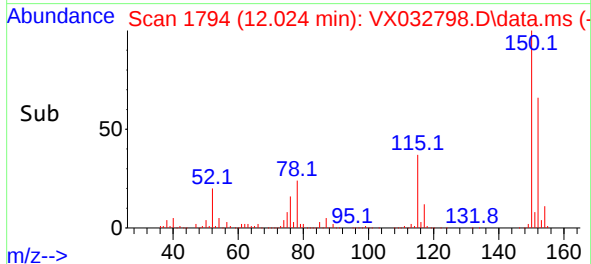
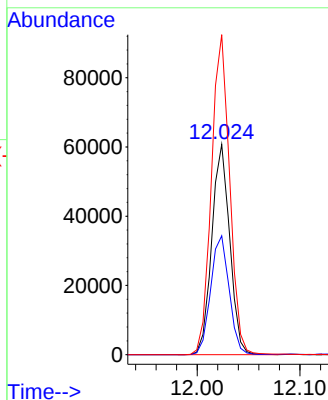
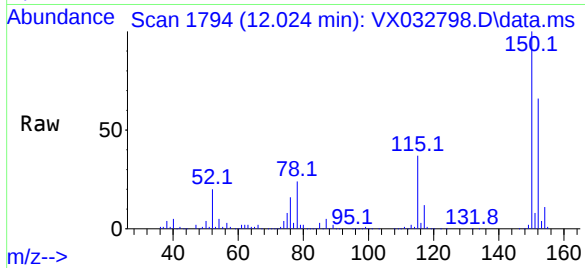




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

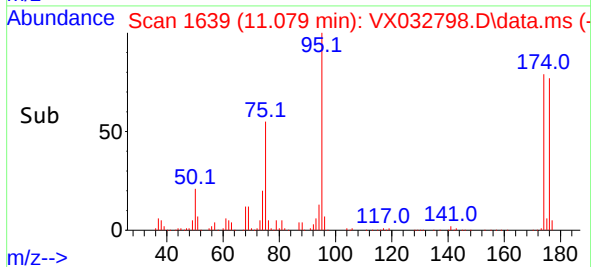
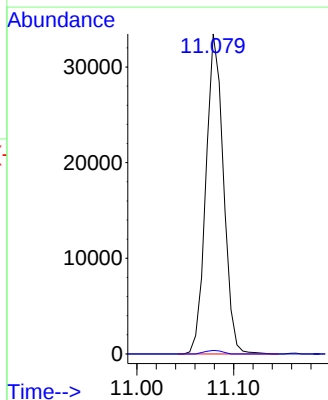
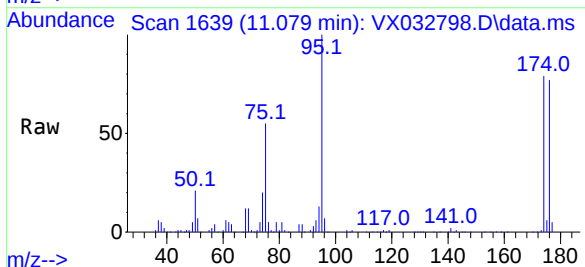
Instrument :
MSVOA_X
ClientSampleId :
31912

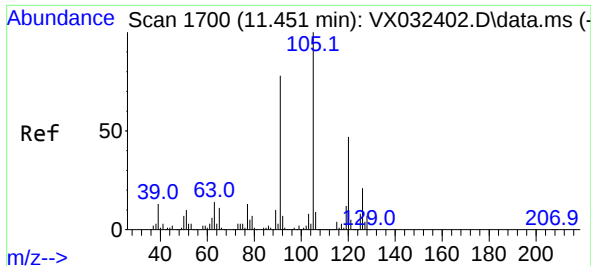
Tgt Ion:152 Resp: 73476
Ion Ratio Lower Upper
152 100
115 58.3 44.0 132.0
150 154.9 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 25.769 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

Tgt Ion: 75 Resp: 42124
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#

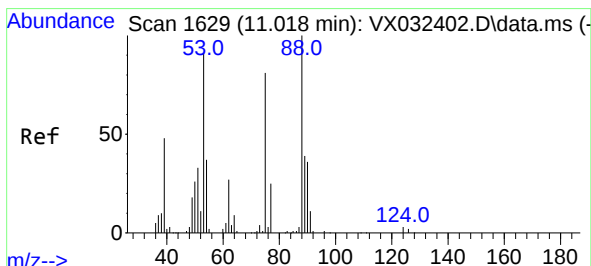
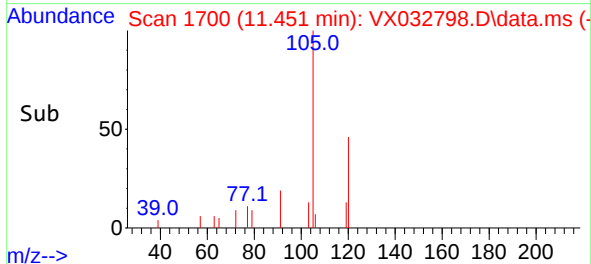
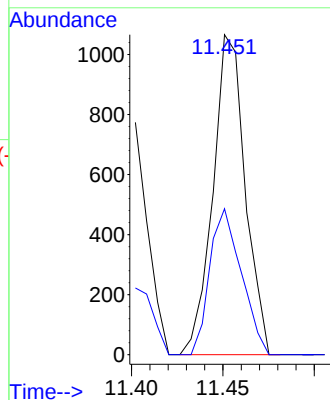
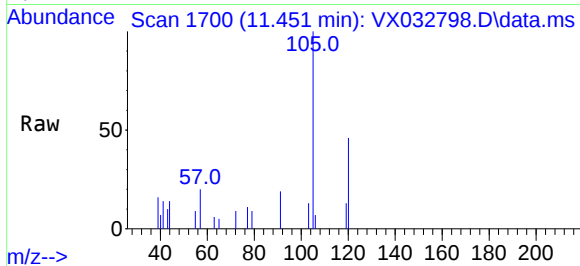




#80
1,3,5-Trimethylbenzene
Concen: 0.264 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

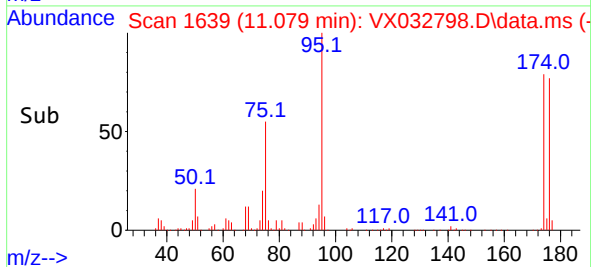
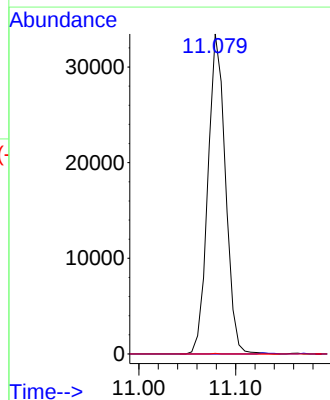
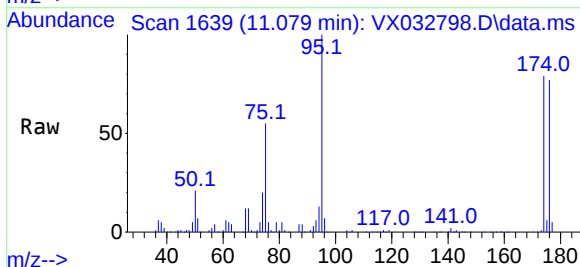
Instrument :
MSVOA_X
ClientSampleId :
31912

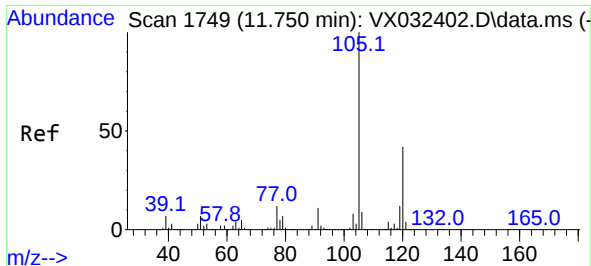
Tgt Ion:105 Resp: 1312
Ion Ratio Lower Upper
105 100
120 44.7 23.6 71.0



#81
trans-1,4-Dichloro-2-butene
Concen: 81.998 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

Tgt Ion: 75 Resp: 42124
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.1 38.3 57.5#

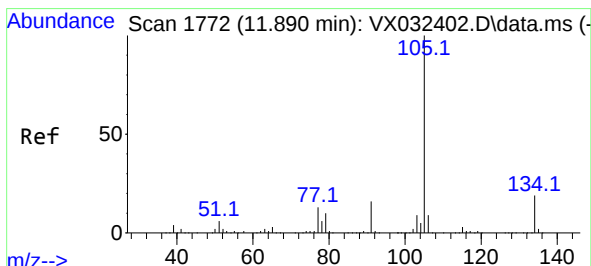
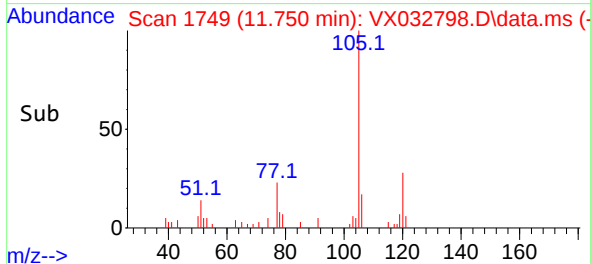
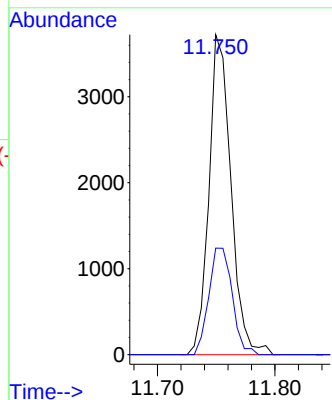
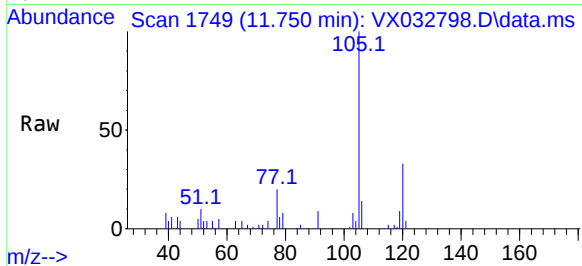




#84
1,2,4-Trimethylbenzene
Concen: 0.979 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

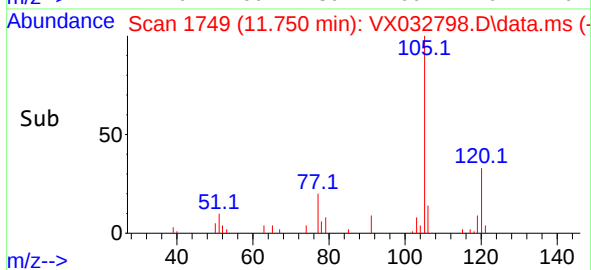
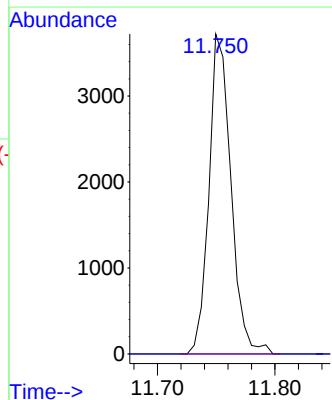
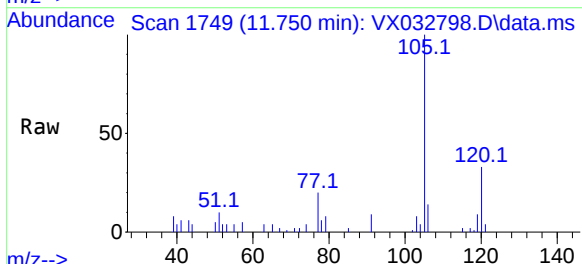
Instrument :
MSVOA_X
ClientSampleId :
31912

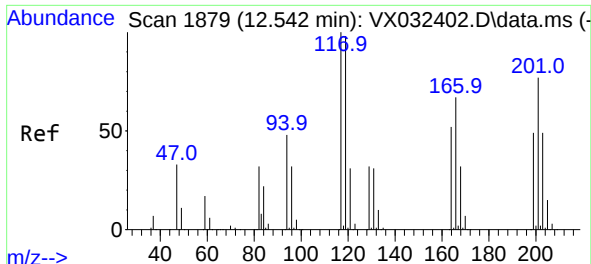
Tgt Ion:105 Resp: 4844
Ion Ratio Lower Upper
105 100
120 35.4 21.9 65.5



#85
sec-Butylbenzene
Concen: 0.810 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.141 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

Tgt Ion:105 Resp: 4844
Ion Ratio Lower Upper
105 100
134 0.0 9.9 29.7#

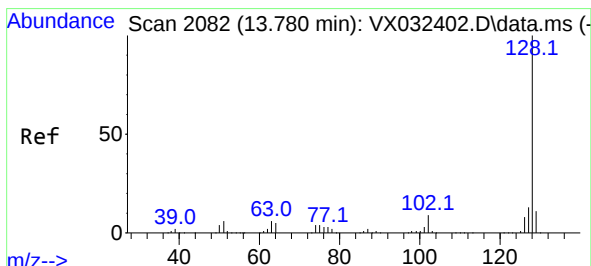
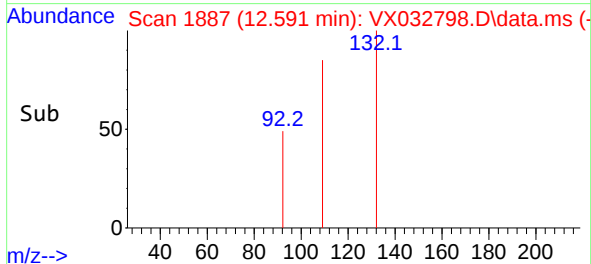
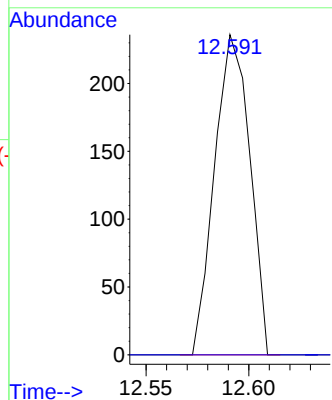
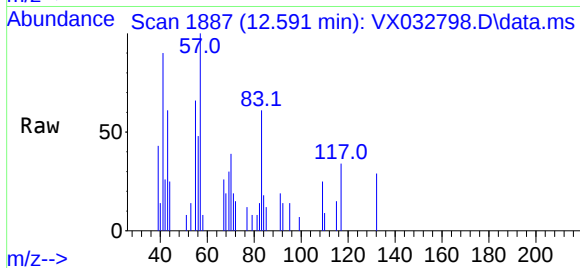




#90
Hexachloroethane
Concen: 0.340 ug/l
RT: 12.591 min Scan# 117
Delta R.T. 0.048 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

Instrument :
MSVOA_X
ClientSampleId :
31912

Tgt Ion:117 Resp: 282
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#95
Naphthalene
Concen: 2.376 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX032798.D
Acq: 14 Nov 2022 16:36

Tgt Ion:128 Resp: 13705
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.4
129 11.0 8.9 13.3

