

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092022\
 Data File : VX031494.D
 Acq On : 20 Sep 2022 14:37
 Operator : JC/MD
 Sample : N4641-08
 Misc : 5.57G/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B22002-5.5

Quant Time: Sep 21 04:54:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

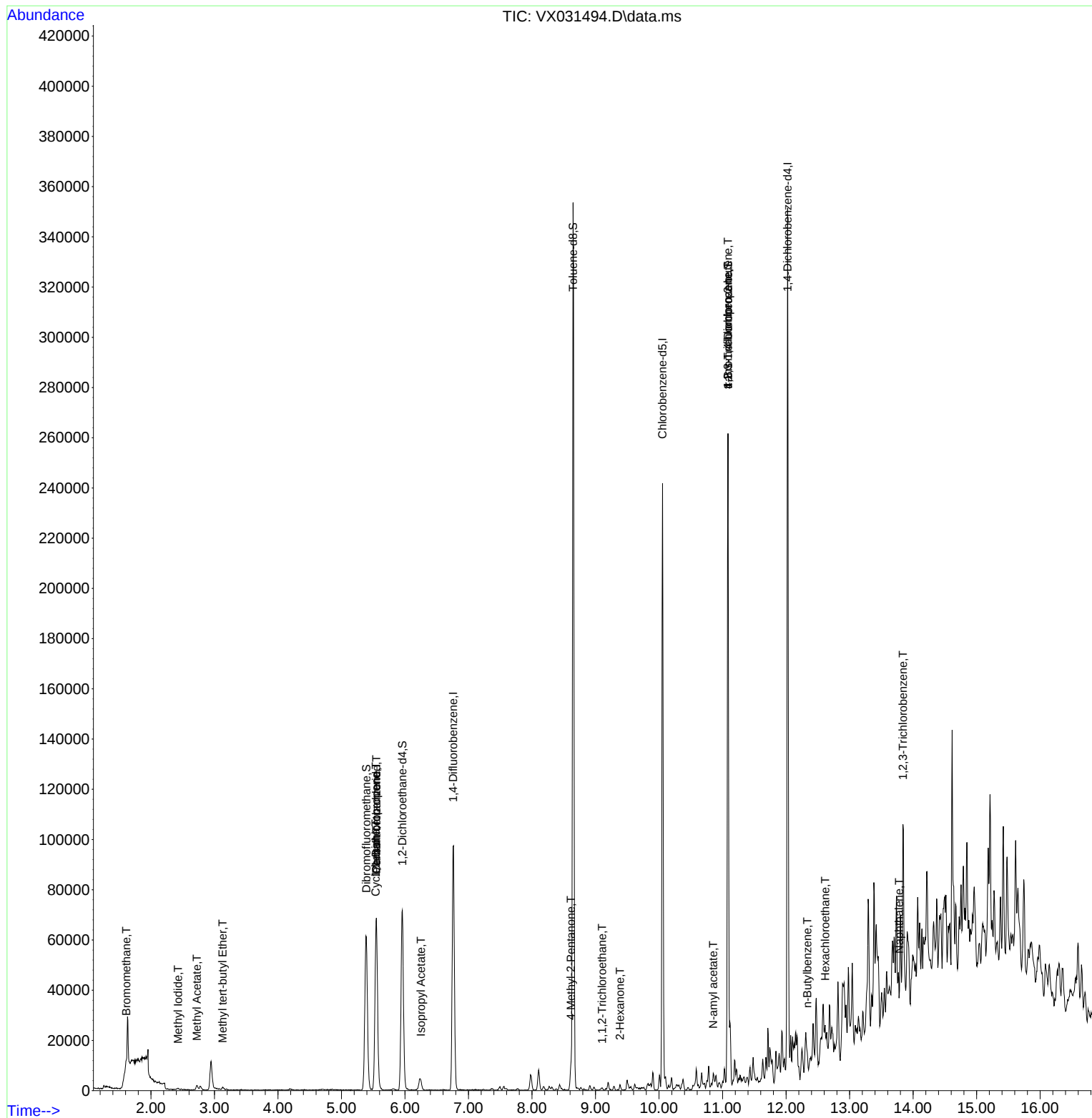
Internal Standards						
1) Pentafluorobenzene	5.550	168	65150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	100822	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	104209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64641	54.089	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.180%
35) Dibromofluoromethane	5.391	113	51369	49.283	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.560%
50) Toluene-d8	8.647	98	200314	49.868	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.740%
62) 4-Bromofluorobenzene	11.085	95	58909	43.296	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.600%
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	1083	0.537	ug/l	88
6) Chloroethane	1.697	64	72	Below Cal	#	43
10) Methyl Iodide	2.428	142	372	0.367	ug/l #	73
11) Tert butyl alcohol	2.946	59	6906	Below Cal	#	74
13) Acrolein	2.044	56	193	Below Cal	#	79
16) Acetone	2.416	43	375	Below Cal	#	87
18) Methyl Acetate	2.721	43	2510	1.406	ug/l	93
19) Methyl tert-butyl Ether	3.129	73	764	0.208	ug/l #	88
20) Methylene Chloride	2.782	84	675	Below Cal	#	73
31) Cyclohexane	5.537	56	2012	1.135	ug/l #	60
36) 1,1-Dichloropropene	5.544	75	5333	3.328	ug/l #	49
38) Carbon Tetrachloride	5.550	117	6400	3.603	ug/l #	17
43) Isopropyl Acetate	6.251	43	1196	0.407	ug/l #	61
51) 4-Methyl-2-Pentanone	8.610	43	1203	0.637	ug/l #	37
55) 1,1,2-Trichloroethane	9.104	97	410	0.319	ug/l #	15
59) 2-Hexanone	9.384	43	741	0.522	ug/l #	25
74) N-amyl acetate	10.854	43	787	0.388	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.213	83	592	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.085	75	32773	21.921	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	32773	70.583	ug/l #	11
89) n-Butylbenzene	12.335	91	1474	0.394	ug/l #	60
90) Hexachloroethane	12.615	117	600	0.794	ug/l #	15
95) Naphthalene	13.780	128	2930	0.610	ug/l #	82
96) 1,2,3-Trichlorobenzene	13.841	180	421	0.312	ug/l	62

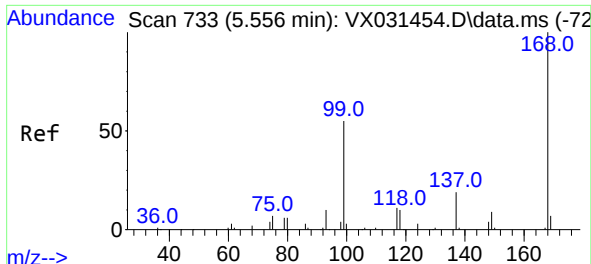
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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B22002-5.5

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Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration

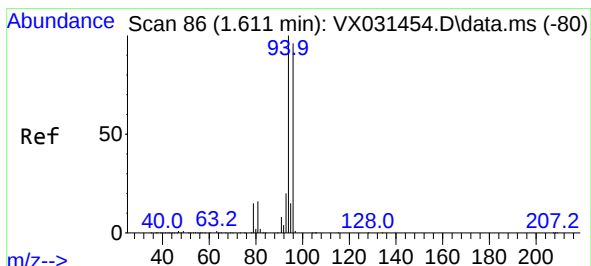
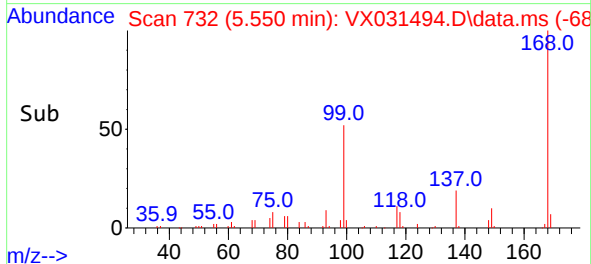
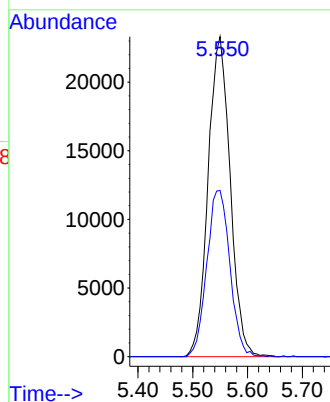
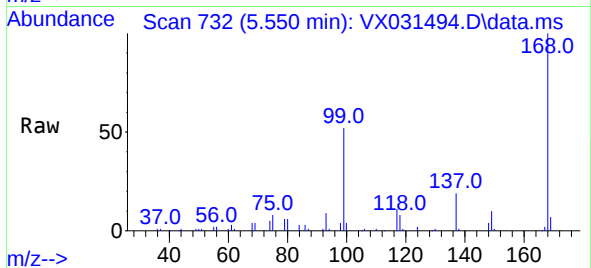




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

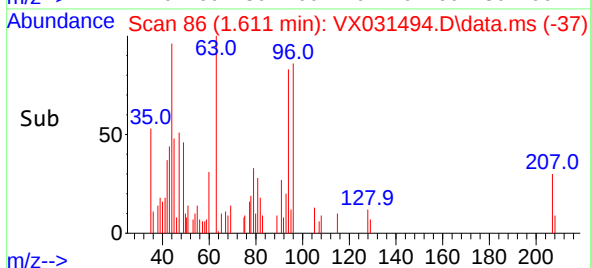
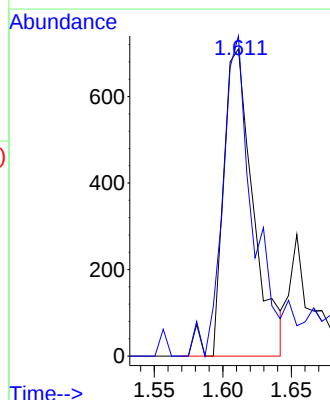
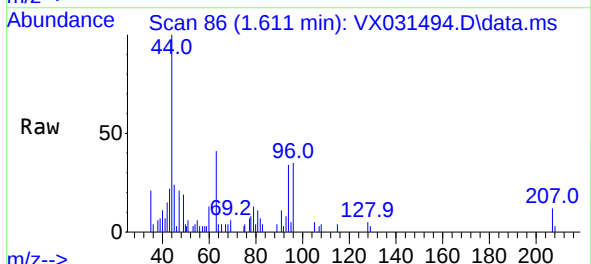
Instrument :
MSVOA_X
ClientSampleId :
B22002-5.5

Tgt Ion:168 Resp: 65150
Ion Ratio Lower Upper
168 100
99 51.9 48.8 73.2

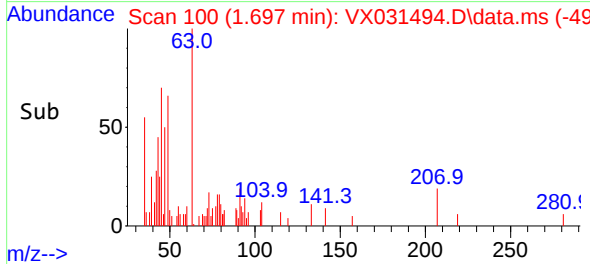
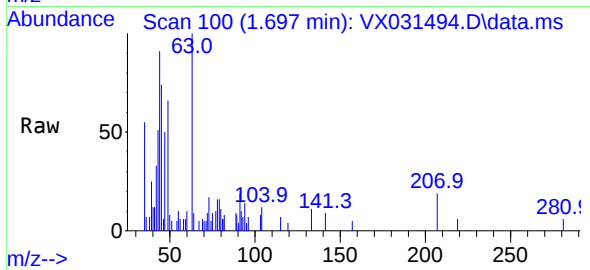
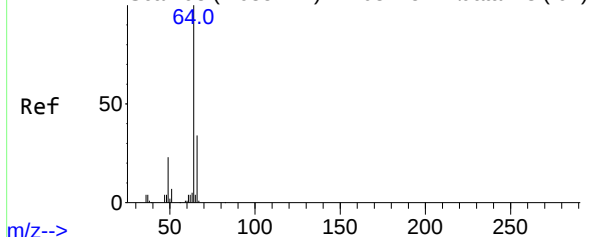


#5
Bromomethane
Concen: 0.537 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Tgt Ion: 94 Resp: 1083
Ion Ratio Lower Upper
94 100
96 104.2 74.4 111.6



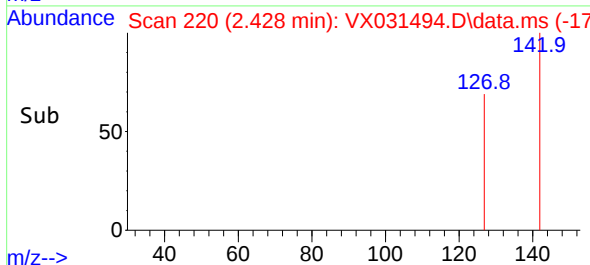
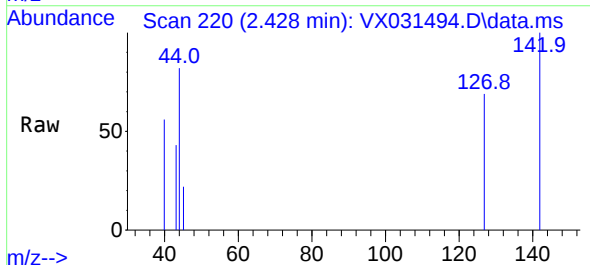
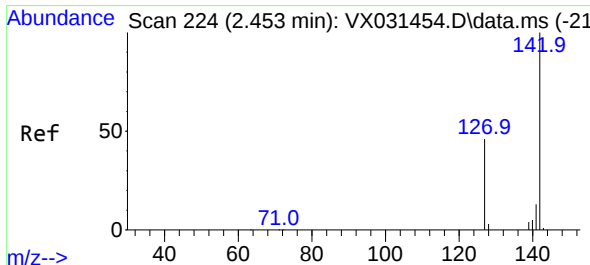
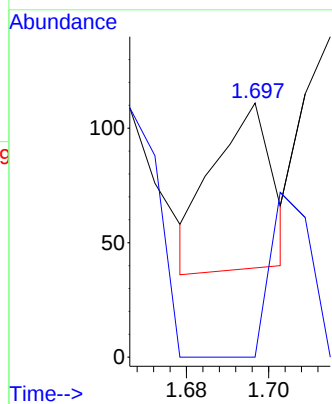
Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 10
Delta R.T. 0.012 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

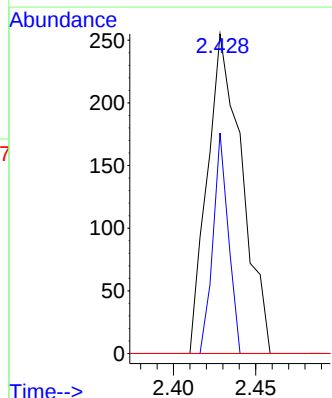
Instrument :
MSVOA_X
ClientSampleId :
B22002-5.5

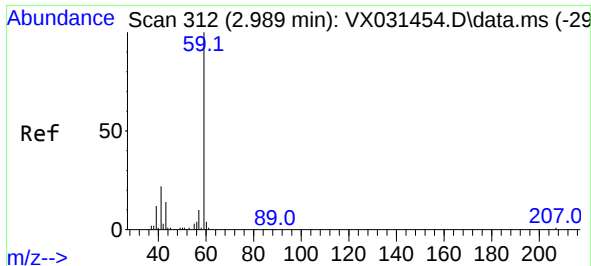
Tgt Ion: 64 Resp: 72
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 0.367 ug/l
RT: 2.428 min Scan# 220
Delta R.T. -0.025 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Tgt Ion: 142 Resp: 372
Ion Ratio Lower Upper
142 100
127 30.4 37.4 56.0#
141 0.0 11.6 17.4#

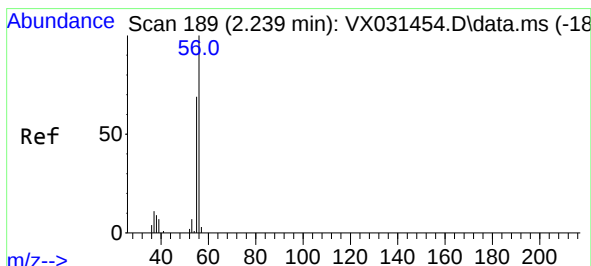
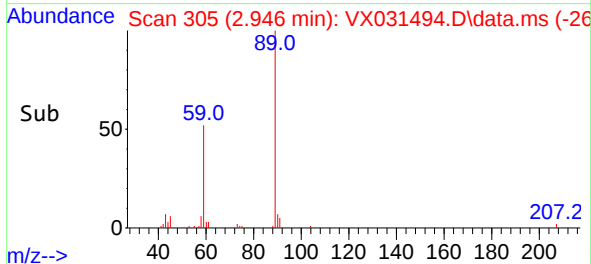
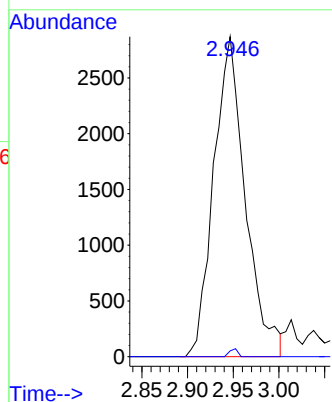
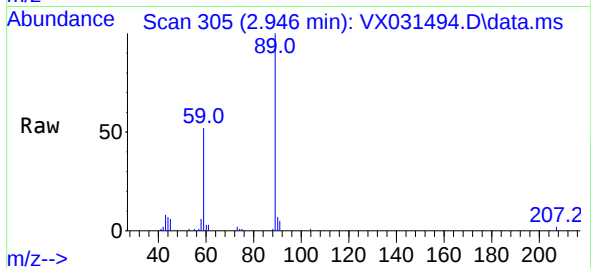




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

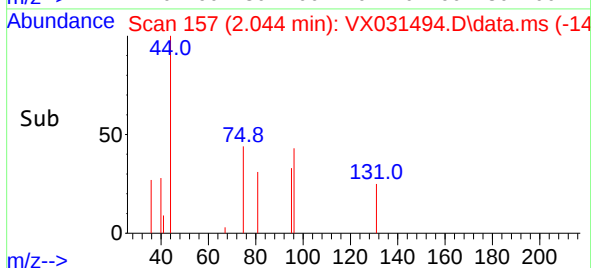
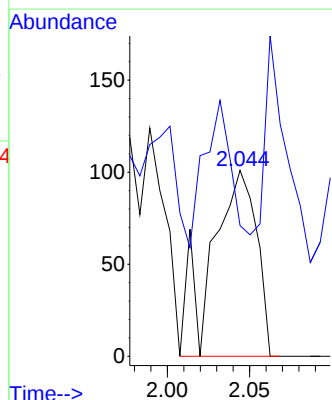
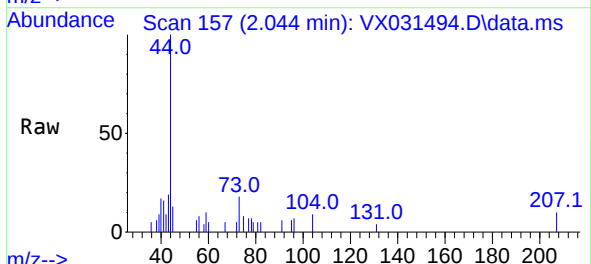
Instrument :
MSVOA_X
ClientSampleId :
B22002-5.5

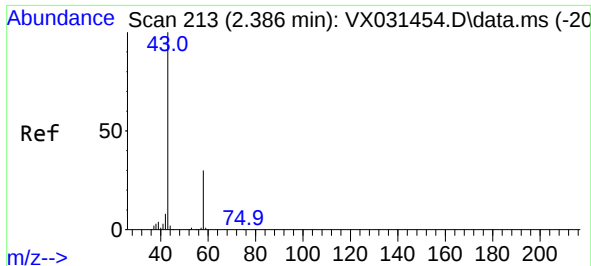
Tgt Ion: 59 Resp: 6906
Ion Ratio Lower Upper
59 100
57 0.7 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.044 min Scan# 157
Delta R.T. -0.195 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 52.8 56.0 84.0#

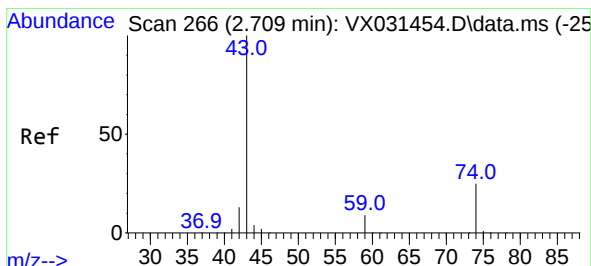
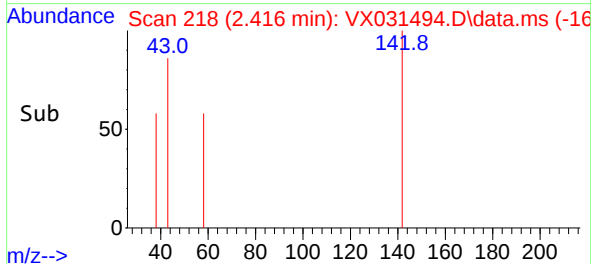
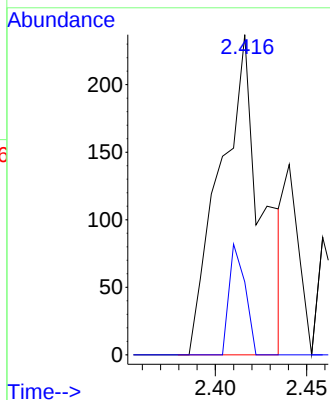
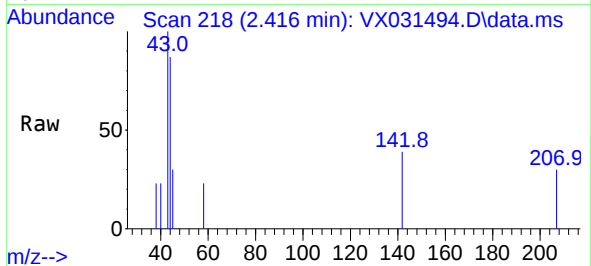




#16
Acetone
Concen: Below Cal
RT: 2.416 min Scan# 21
Delta R.T. 0.030 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

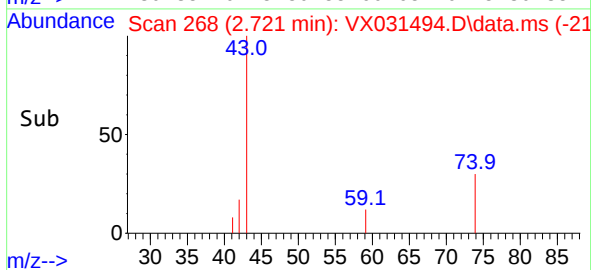
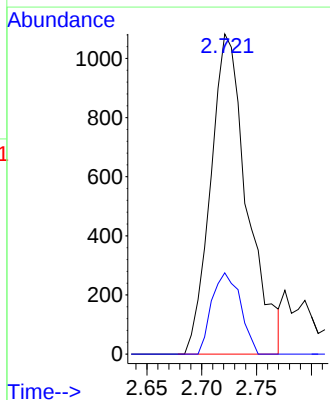
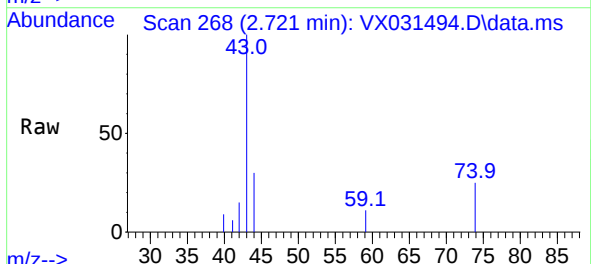
Instrument :
MSVOA_X
ClientSampleId :
B22002-5.5

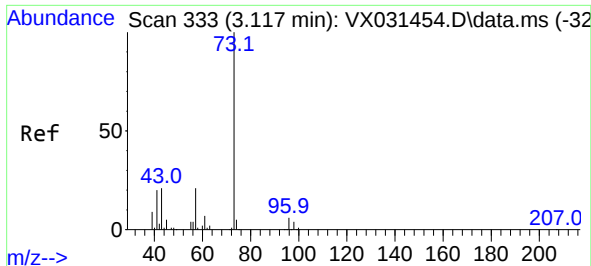
Tgt Ion: 43 Resp: 375
Ion Ratio Lower Upper
43 100
58 22.8 23.8 35.8#



#18
Methyl Acetate
Concen: 1.406 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Tgt Ion: 43 Resp: 2510
Ion Ratio Lower Upper
43 100
74 19.9 18.6 27.8





#19

Methyl tert-butyl Ether

Concen: 0.208 ug/l

RT: 3.129 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX031494.D

Acq: 20 Sep 2022 14:37

Instrument :

MSVOA_X

ClientSampleId :

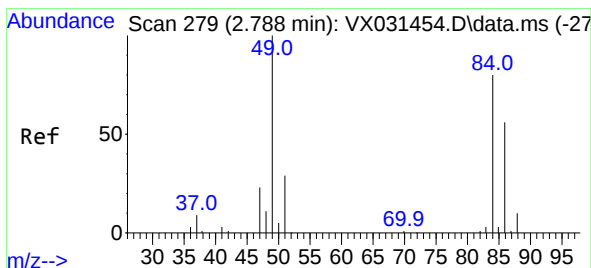
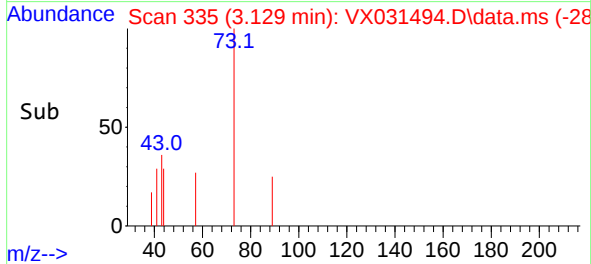
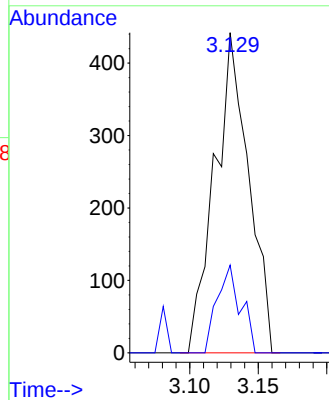
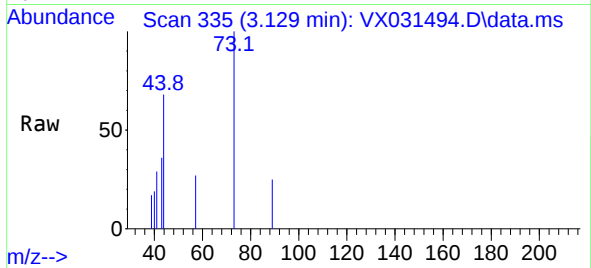
B22002-5.5

Tgt Ion: 73 Resp: 764

Ion Ratio Lower Upper

73 100

57 27.4 17.2 25.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX031494.D

Acq: 20 Sep 2022 14:37

Tgt Ion: 84 Resp: 675

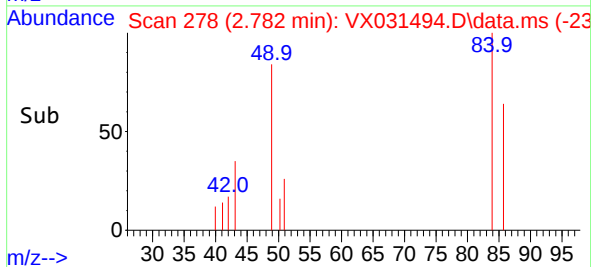
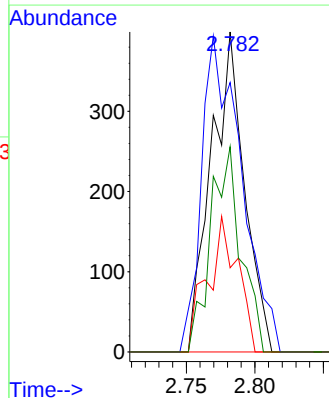
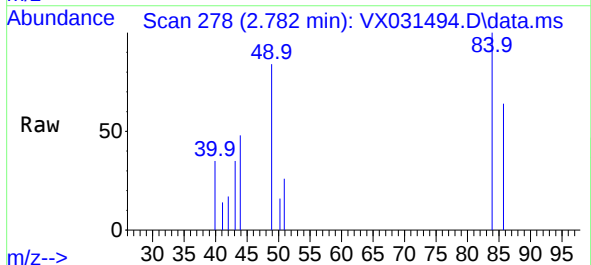
Ion Ratio Lower Upper

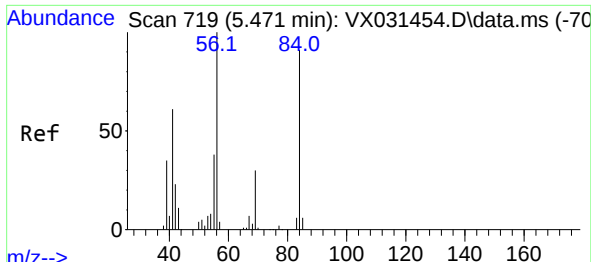
84 100

49 84.2 105.9 158.9#

51 26.3 32.2 48.2#

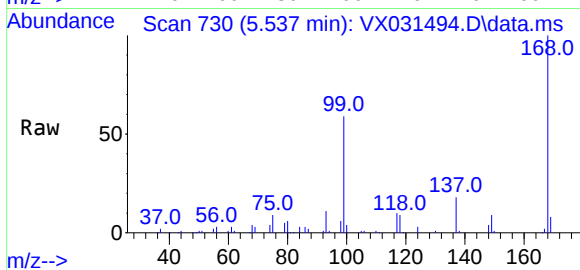
86 64.2 50.8 76.2



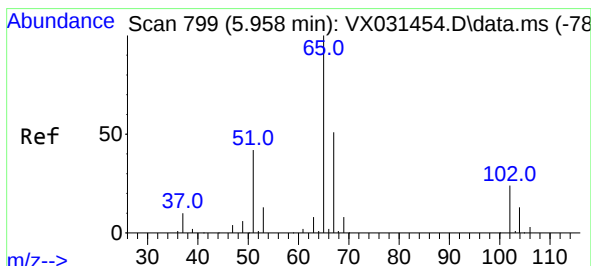
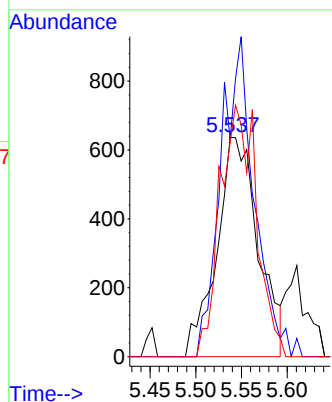
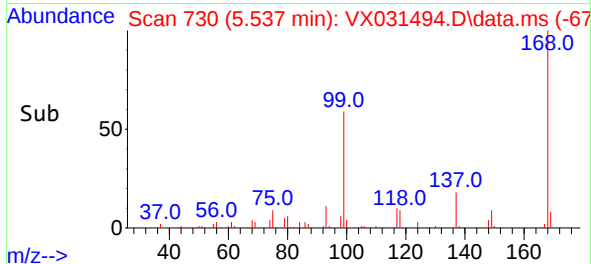


#31
Cyclohexane
Concen: 1.135 ug/l
RT: 5.537 min Scan# 719
Delta R.T. 0.066 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Instrument :
MSVOA_X
ClientSampleId :
B22002-5.5

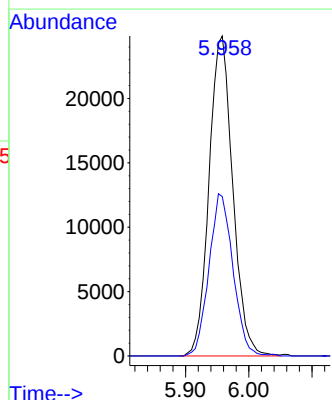
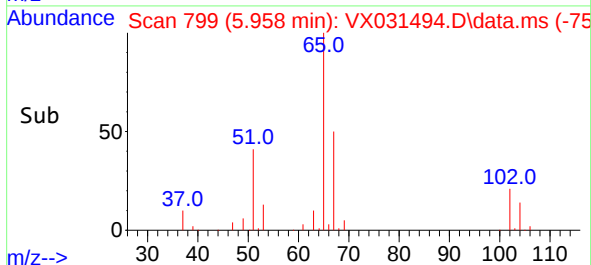
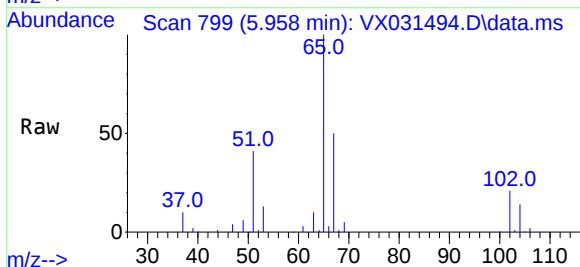


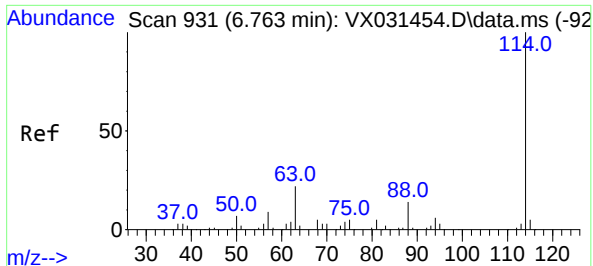
Tgt Ion: 56 Resp: 2012
Ion Ratio Lower Upper
56 100
69 98.9 25.1 37.7#
84 97.6 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 54.089 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Tgt Ion: 65 Resp: 64641
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.4

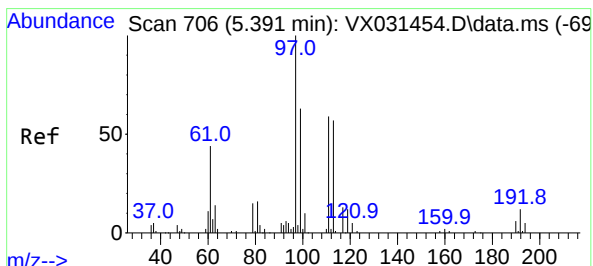
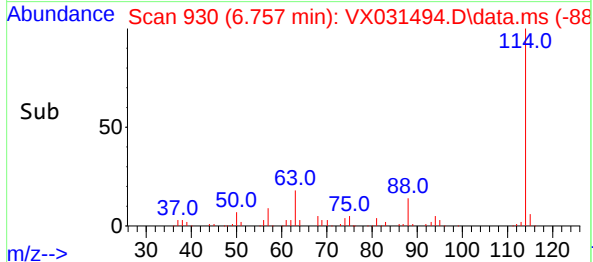
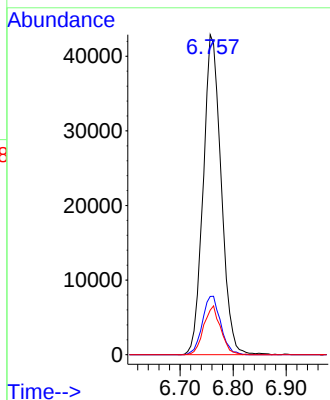
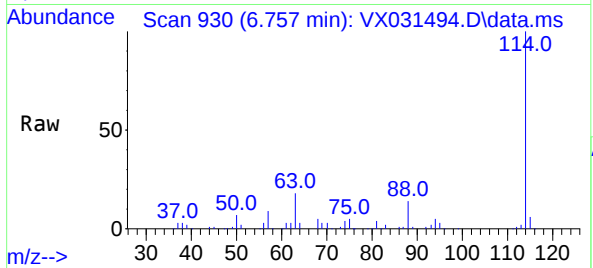




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

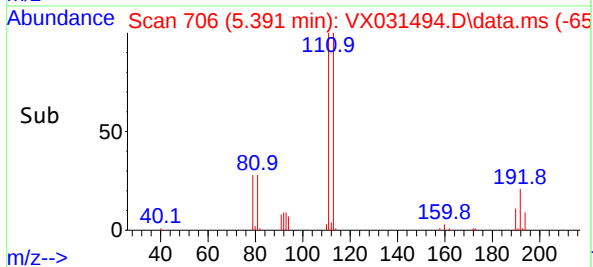
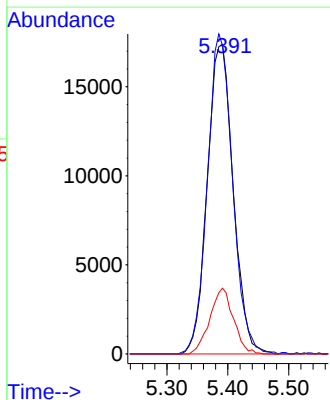
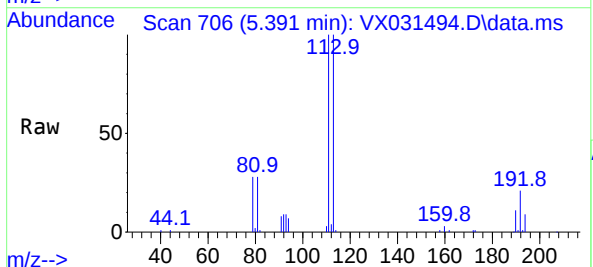
Instrument :
MSVOA_X
ClientSampleId :
B22002-5.5

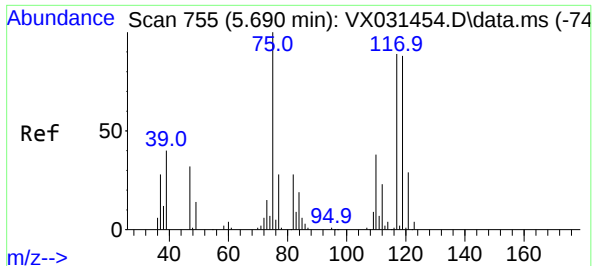
Tgt Ion:114 Resp: 100822
Ion Ratio Lower Upper
114 100
63 18.2 0.0 42.6
88 13.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.283 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Tgt Ion:113 Resp: 51369
Ion Ratio Lower Upper
113 100
111 100.6 82.4 123.6
192 19.3 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.328 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX031494.D

Acq: 20 Sep 2022 14:37

Instrument :

MSVOA_X

ClientSampleId :

B22002-5.5

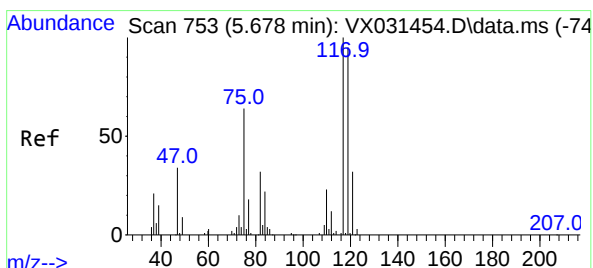
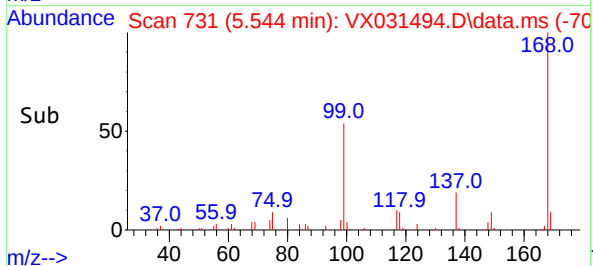
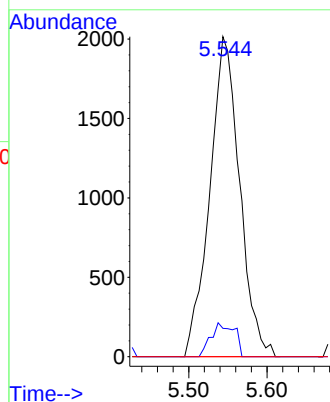
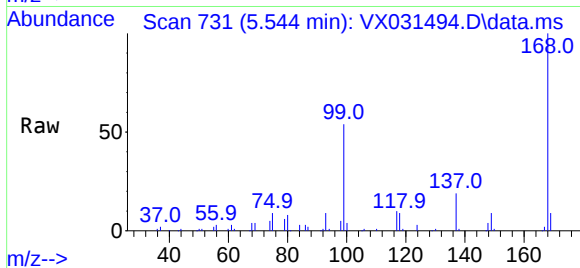
Tgt Ion: 75 Resp: 5333

Ion Ratio Lower Upper

75 100

110 8.3 17.5 52.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 3.603 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX031494.D

Acq: 20 Sep 2022 14:37

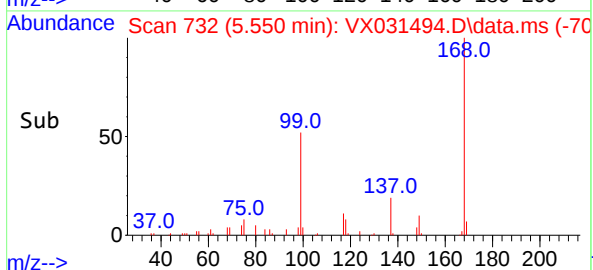
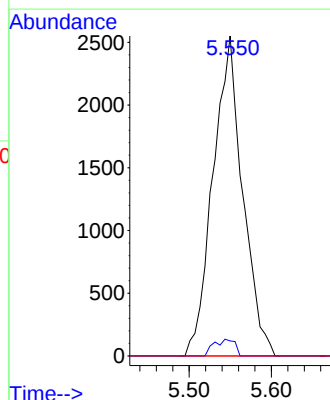
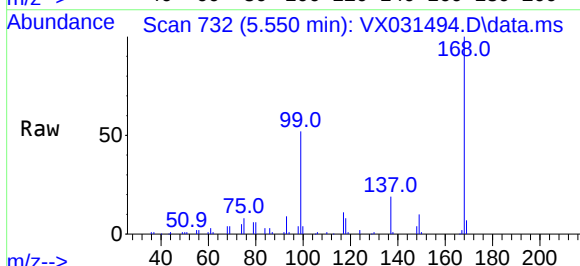
Tgt Ion: 117 Resp: 6400

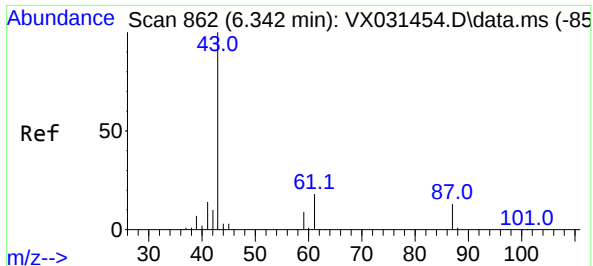
Ion Ratio Lower Upper

117 100

119 4.7 74.6 112.0#

121 0.0 25.3 37.9#

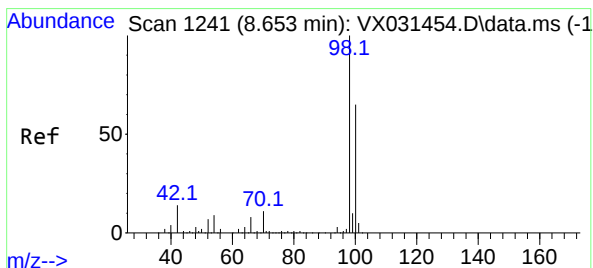
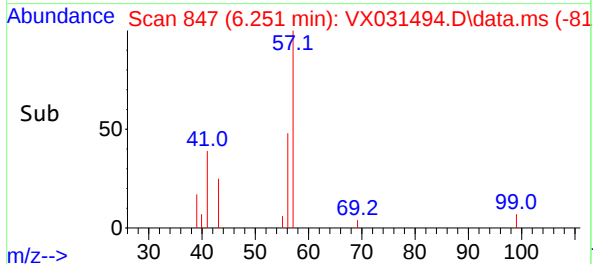
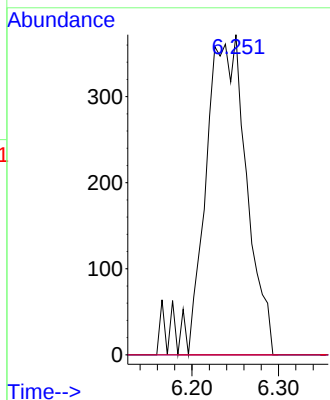
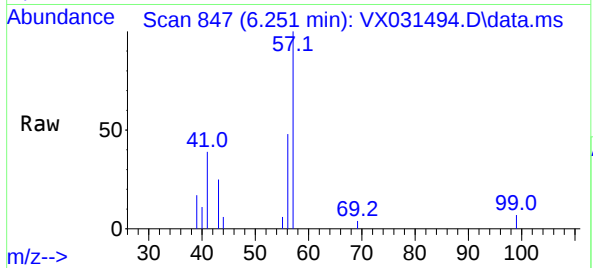




#43
Isopropyl Acetate
Concen: 0.407 ug/l
RT: 6.251 min Scan# 84
Delta R.T. -0.091 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

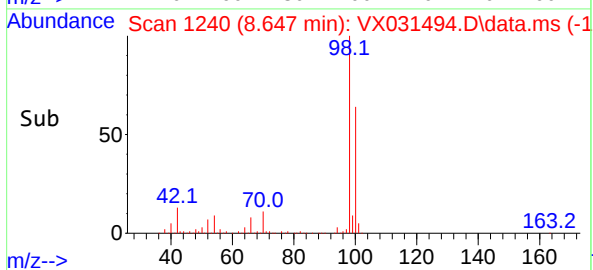
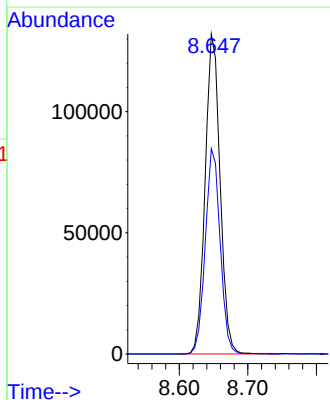
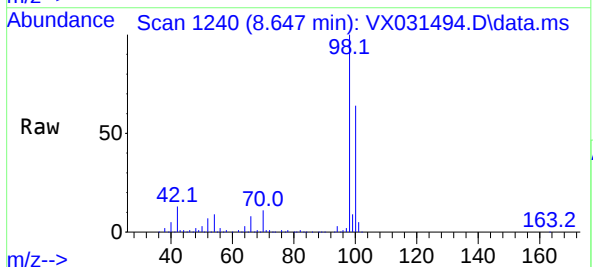
Instrument :
MSVOA_X
ClientSampleId :
B22002-5.5

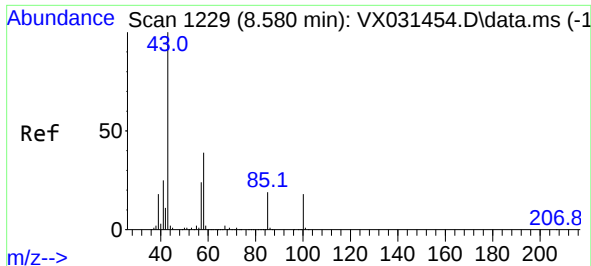
Tgt Ion: 43 Resp: 1196
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.6 15.8#



#50
Toluene-d8
Concen: 49.868 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Tgt Ion: 98 Resp: 200314
Ion Ratio Lower Upper
98 100
100 64.0 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.637 ug/l

RT: 8.610 min Scan# 11

Delta R.T. 0.030 min

Lab File: VX031494.D

Acq: 20 Sep 2022 14:37

Instrument :

MSVOA_X

ClientSampleId :

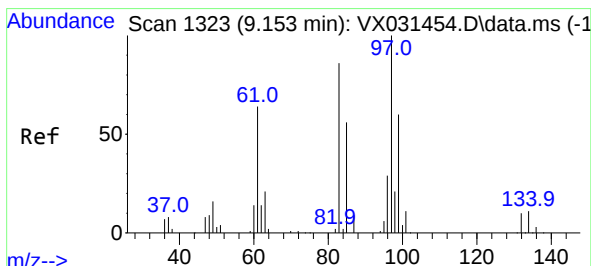
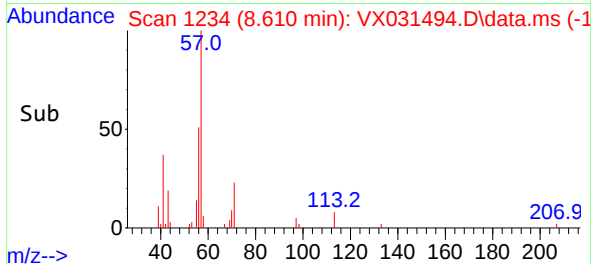
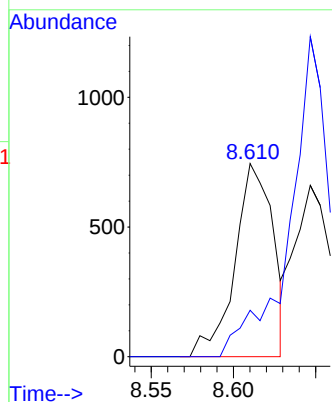
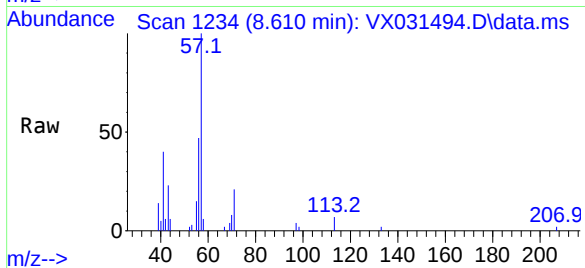
B22002-5.5

Tgt Ion: 43 Resp: 1203

Ion Ratio Lower Upper

43 100

58 0.0 30.6 46.0#



#55

1,1,2-Trichloroethane

Concen: 0.319 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.049 min

Lab File: VX031494.D

Acq: 20 Sep 2022 14:37

Tgt Ion: 97 Resp: 410

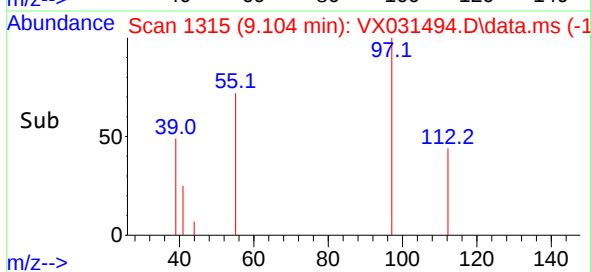
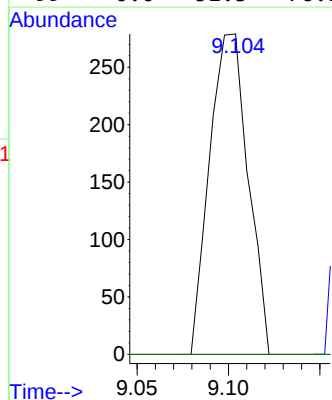
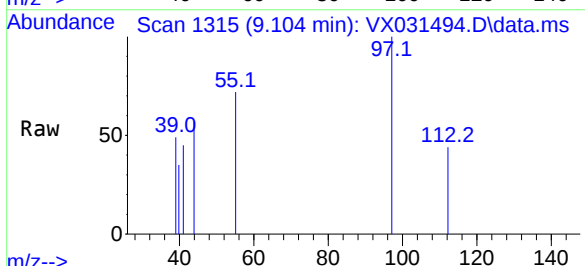
Ion Ratio Lower Upper

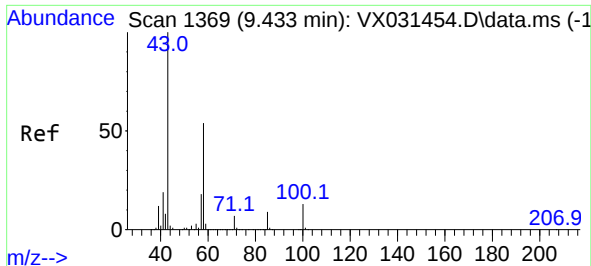
97 100

83 0.0 69.0 103.6#

85 0.0 44.1 66.1#

99 0.0 51.3 76.9#





#59

2-Hexanone

Concen: 0.522 ug/l

RT: 9.384 min Scan# 11

Delta R.T. -0.049 min

Lab File: VX031494.D

Acq: 20 Sep 2022 14:37

Instrument :

MSVOA_X

ClientSampleId :

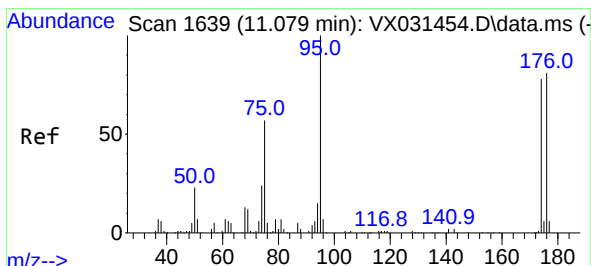
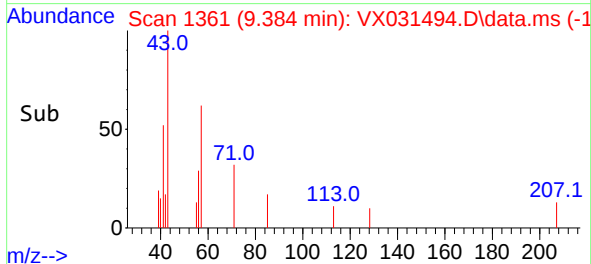
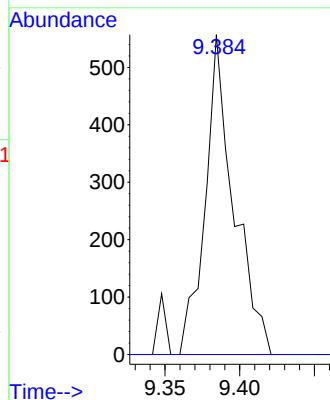
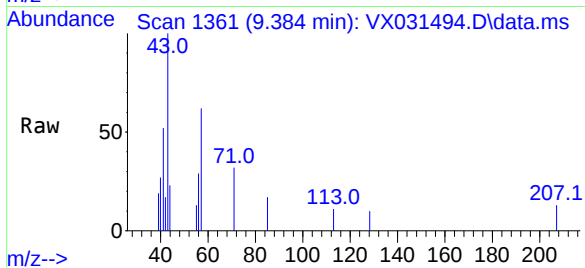
B22002-5.5

Tgt Ion: 43 Resp: 741

Ion Ratio Lower Upper

43 100

58 0.0 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 43.296 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX031494.D

Acq: 20 Sep 2022 14:37

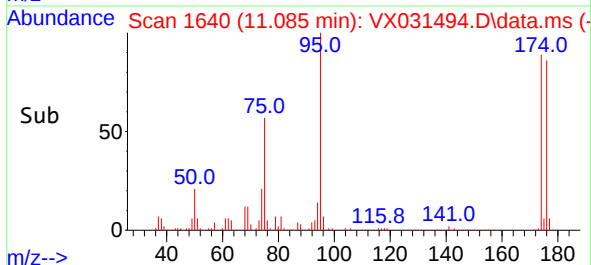
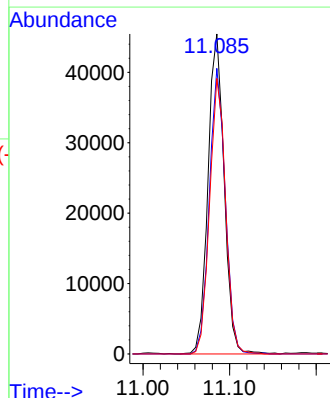
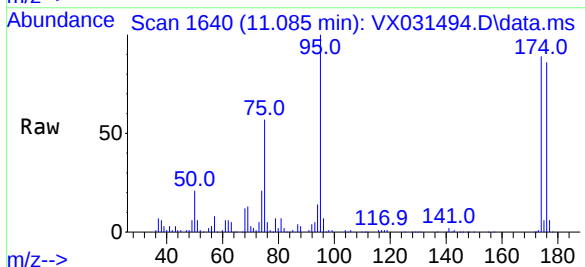
Tgt Ion: 95 Resp: 58909

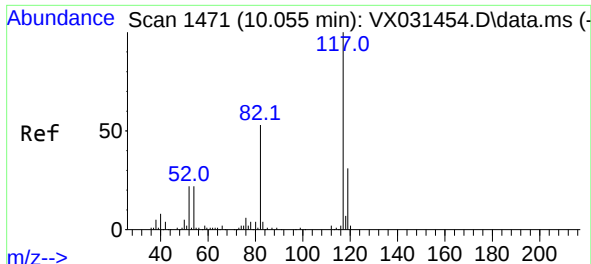
Ion Ratio Lower Upper

95 100

174 87.9 0.0 153.2

176 84.9 0.0 144.0

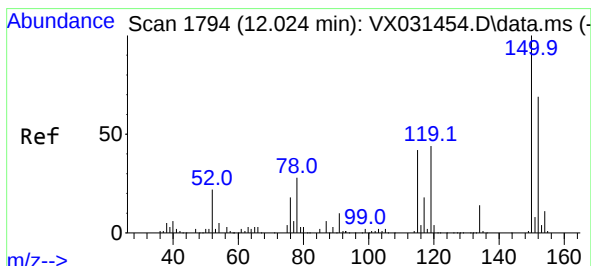
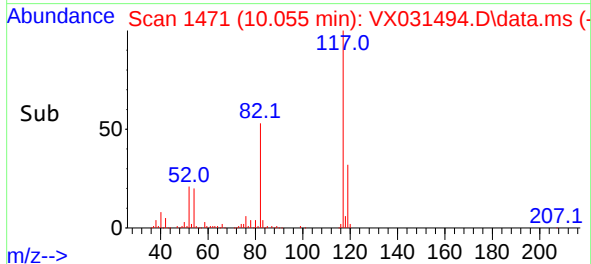
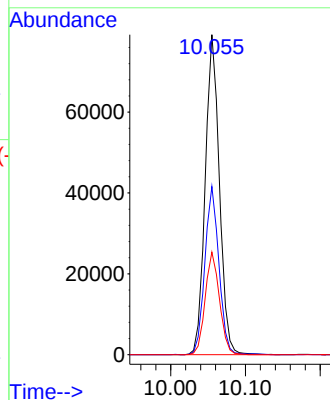
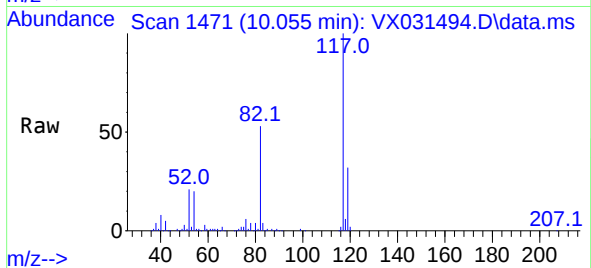




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

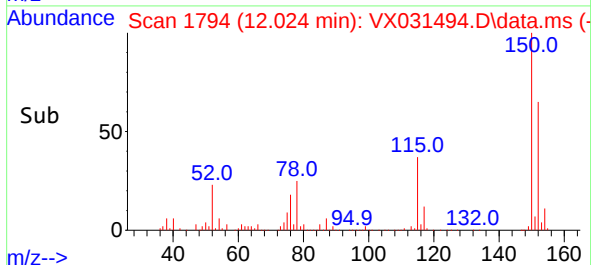
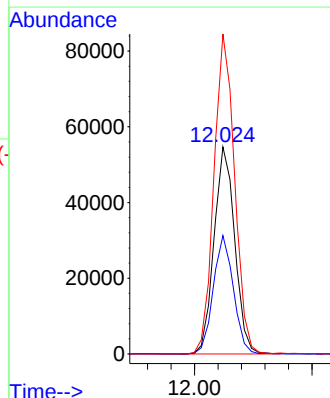
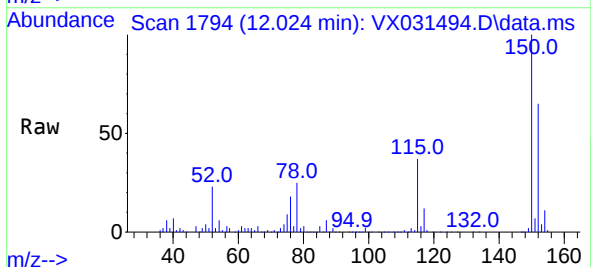
Instrument :
MSVOA_X
ClientSampleId :
B22002-5.5

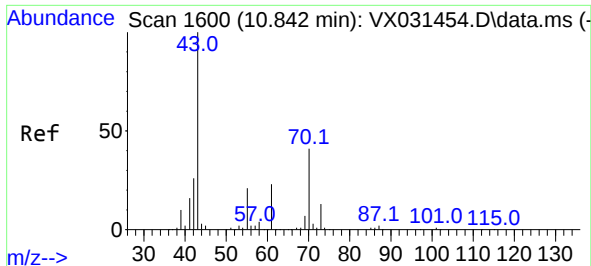
Tgt Ion:117 Resp: 104209
Ion Ratio Lower Upper
117 100
82 52.6 46.8 70.2
119 32.1 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Tgt Ion:152 Resp: 66985
Ion Ratio Lower Upper
152 100
115 55.6 43.4 130.1
150 154.0 0.0 346.8

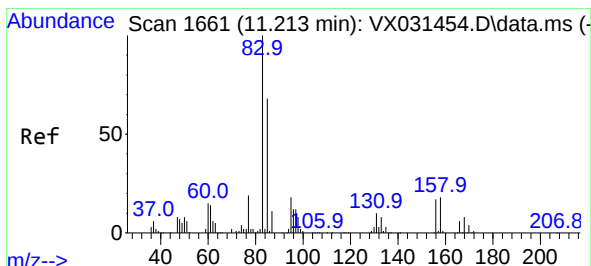
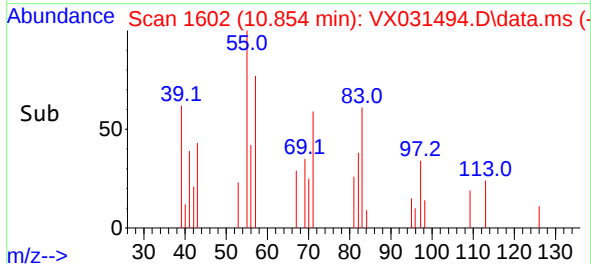
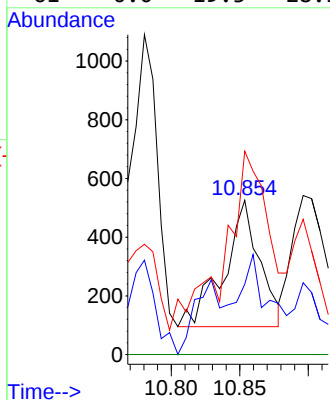
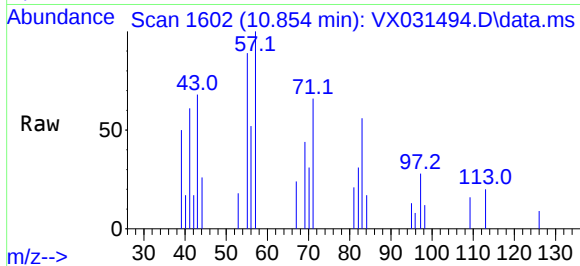




#74
N-amy1 acetate
Concen: 0.388 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

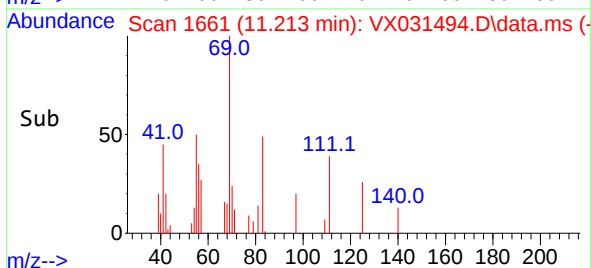
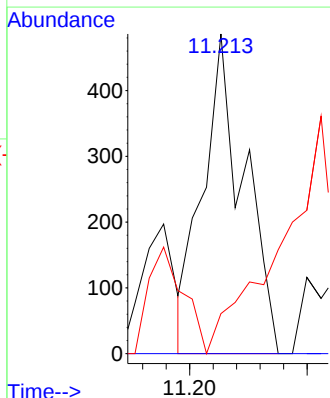
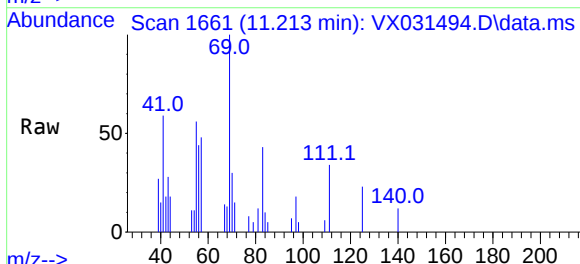
Instrument :
MSVOA_X
ClientSampleId :
B22002-5.5

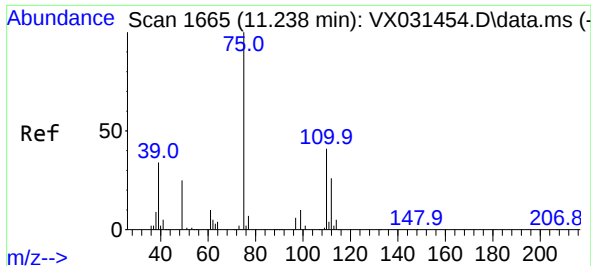
Tgt Ion: 43 Resp: 787
Ion Ratio Lower Upper
43 100
70 22.4 33.4 50.2#
55 166.8 18.2 27.2#
61 0.0 19.3 28.9#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Tgt Ion: 83 Resp: 592
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.4#
85 0.0 32.6 97.8#

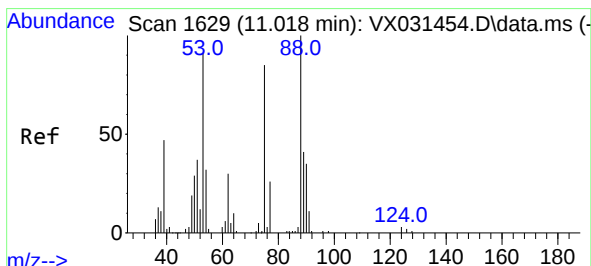
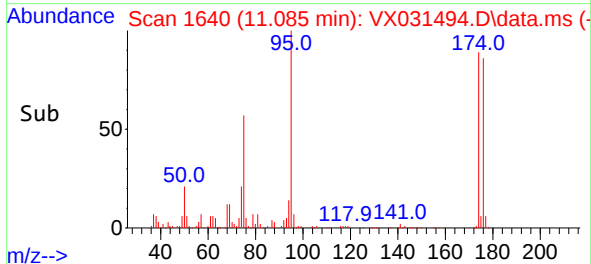
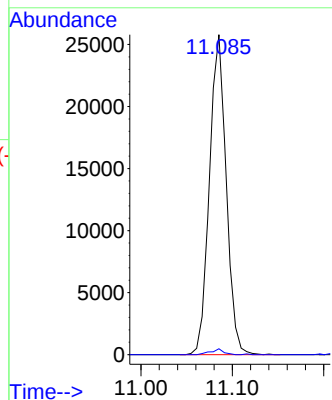
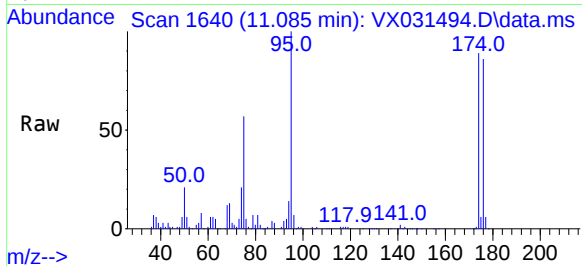




#76
1,2,3-Trichloropropane
Concen: 21.921 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.153 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

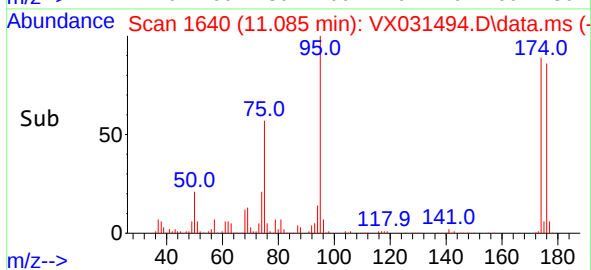
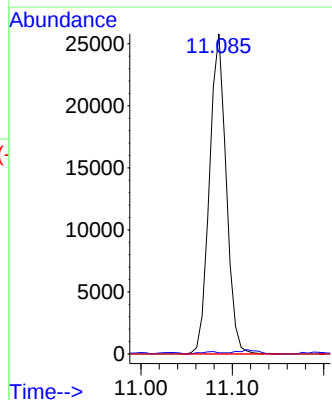
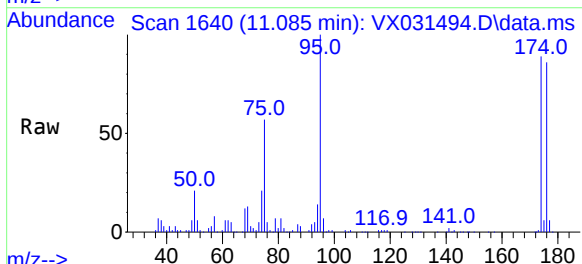
Instrument :
MSVOA_X
ClientSampleId :
B22002-5.5

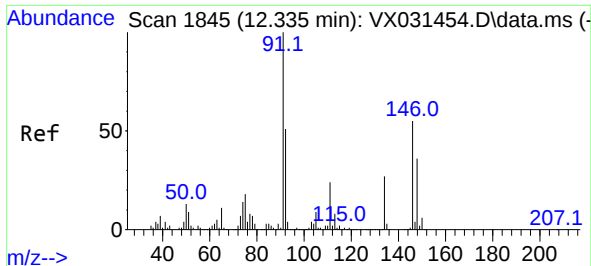
Tgt Ion: 75 Resp: 32773
Ion Ratio Lower Upper
75 100
77 1.4 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.583 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Tgt Ion: 75 Resp: 32773
Ion Ratio Lower Upper
75 100
53 0.9 77.6 116.4#
89 0.0 37.4 56.0#

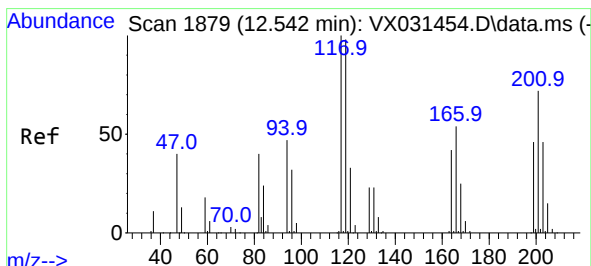
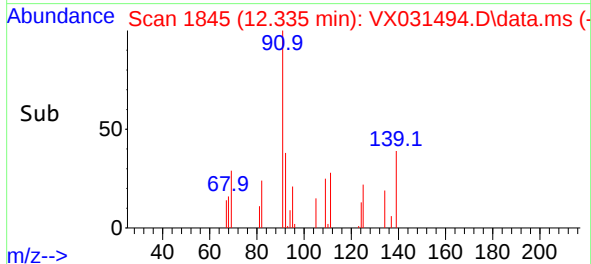
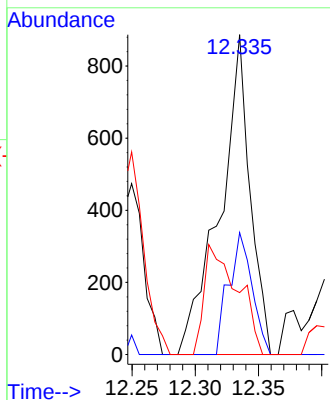
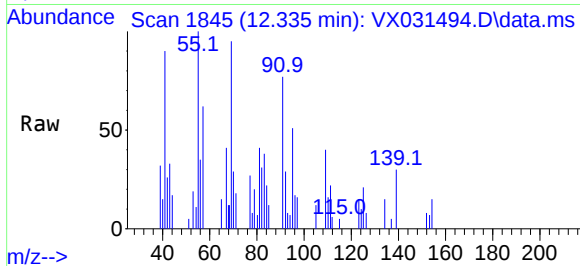




#89
n-Butylbenzene
Concen: 0.394 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

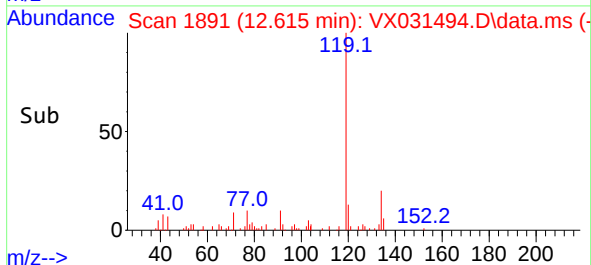
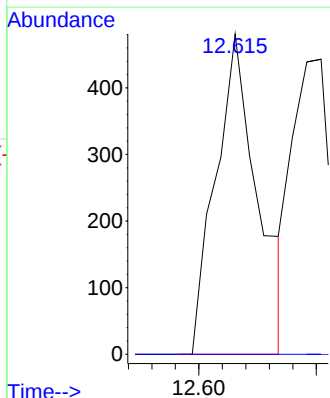
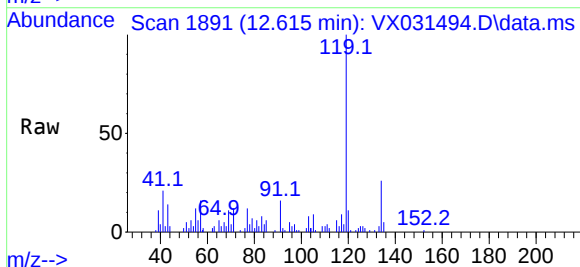
Instrument :
MSVOA_X
ClientSampleId :
B22002-5.5

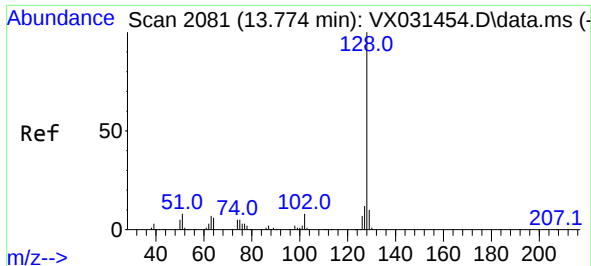
Tgt Ion: 91 Resp: 1474
Ion Ratio Lower Upper
91 100
92 29.4 27.0 81.0
134 0.0 13.3 39.9#



#90
Hexachloroethane
Concen: 0.794 ug/l
RT: 12.615 min Scan# 1891
Delta R.T. 0.073 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Tgt Ion: 117 Resp: 600
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#

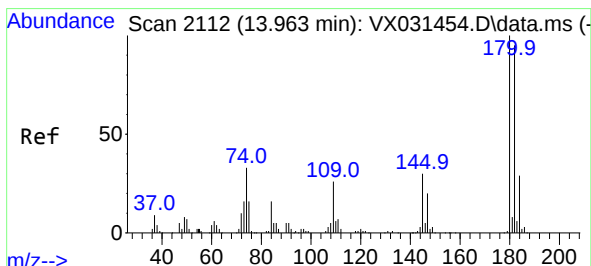
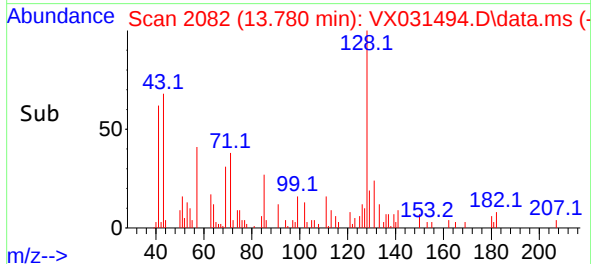
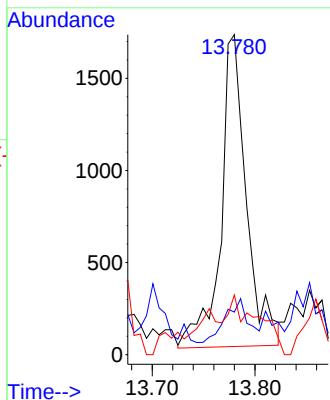
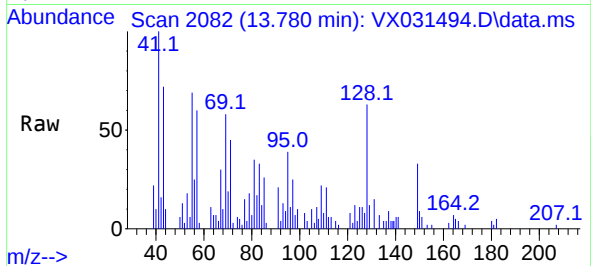




#95
Naphthalene
Concen: 0.610 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Instrument :
MSVOA_X
ClientSampleId :
B22002-5.5

Tgt Ion:128 Resp: 2930
Ion Ratio Lower Upper
128 100
127 16.0 10.4 15.6#
129 22.7 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.312 ug/l
RT: 13.841 min Scan# 2092
Delta R.T. -0.122 min
Lab File: VX031494.D
Acq: 20 Sep 2022 14:37

Tgt Ion:180 Resp: 421
Ion Ratio Lower Upper
180 100
182 51.1 47.9 143.8
145 26.1 17.6 52.8

