

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031850.D
 Acq On : 03 Oct 2022 21:44
 Operator : JC/MD
 Sample : N4860-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 08:01:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

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

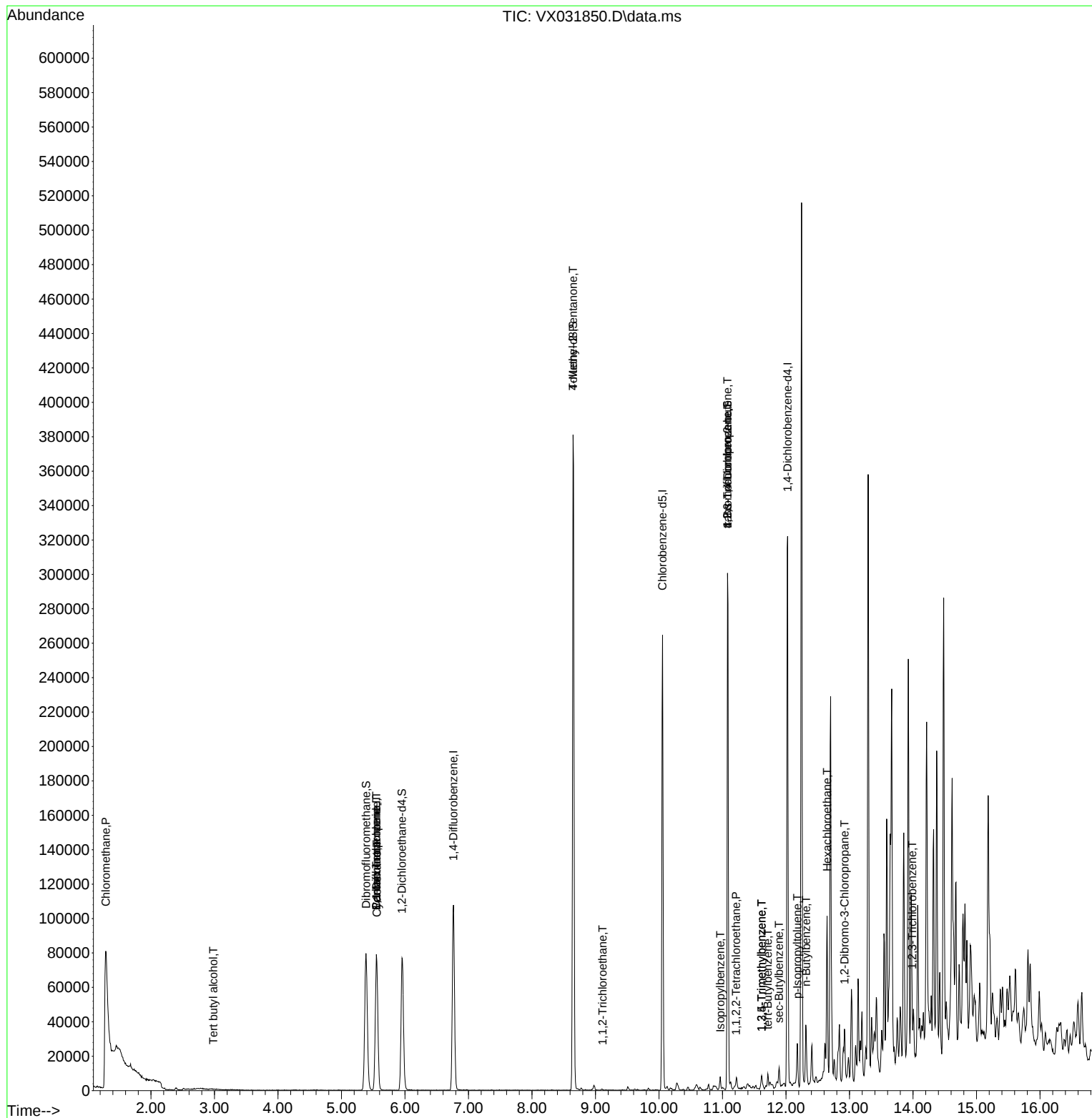
Internal Standards						
1) Pentafluorobenzene	5.550	168	77842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	119697	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73997	53.060	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.120%	
35) Dibromofluoromethane	5.385	113	68826	48.396	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.800%	
50) Toluene-d8	8.647	98	236487	46.484	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.960%	
62) 4-Bromofluorobenzene	11.079	95	78625	42.917	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	4728	4.482	ug/l #	41
5) Bromomethane	1.618	94	343	Below Cal		94
6) Chloroethane	1.929	64	862	Below Cal	#	47
11) Tert butyl alcohol	2.983	59	47	0.242	ug/l #	73
16) Acetone	2.392	43	1556	Below Cal		91
17) Carbon Disulfide	2.514	76	1931	Below Cal	#	75
31) Cyclohexane	5.556	56	1313	0.791	ug/l #	38
36) 1,1-Dichloropropene	5.550	75	5255	2.980	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7571	3.459	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	736	0.543	ug/l #	1
55) 1,1,2-Trichloroethane	9.110	97	376	0.264	ug/l #	15
73) Isopropylbenzene	10.964	105	3728	0.749	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.214	83	426	0.301	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	38004	29.650	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.616	105	2008	0.483	ug/l	76
81) trans-1,4-Dichloro-2-b...	11.079	75	38004	101.786	ug/l #	11
83) tert-Butylbenzene	11.713	119	1996	0.475	ug/l	90
84) 1,2,4-Trimethylbenzene	11.616	105	2008	0.486	ug/l	80
85) sec-Butylbenzene	11.890	105	4814	0.952	ug/l	98
86) p-Isopropyltoluene	12.177	119	11419	2.588	ug/l	98
89) n-Butylbenzene	12.317	91	2596	0.745	ug/l #	1
90) Hexachloroethane	12.646	117	32561	40.906	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.921	75	86	0.289	ug/l #	3
96) 1,2,3-Trichlorobenzene	13.987	180	367	0.249	ug/l #	1

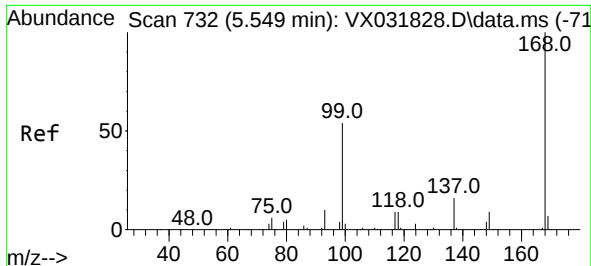
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
Data File : VX031850.D
Acq On : 03 Oct 2022 21:44
Operator : JC/MD
Sample : N4860-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

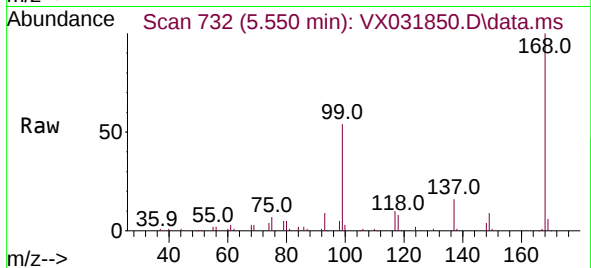
Quant Time: Oct 04 08:01:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 04 06:59:30 2022
Response via : Initial Calibration



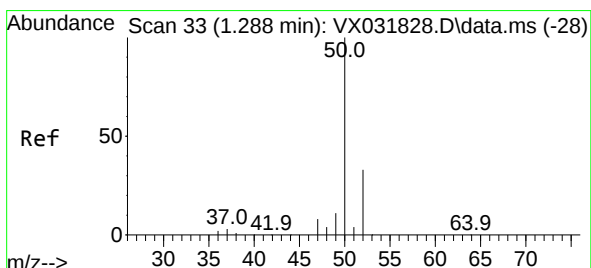
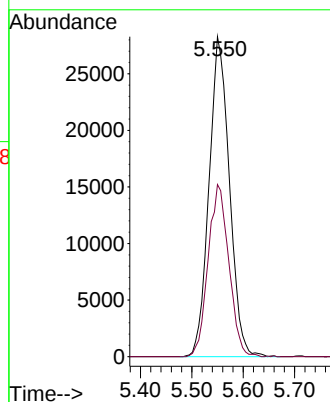
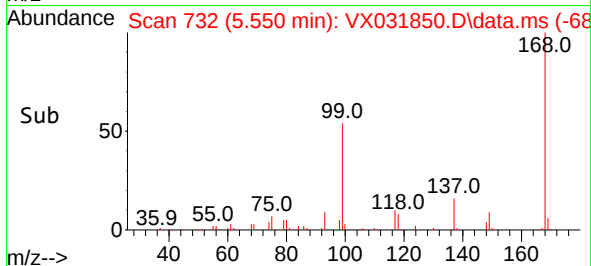


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

Instrument :
MSVOA_X
ClientSampleId :

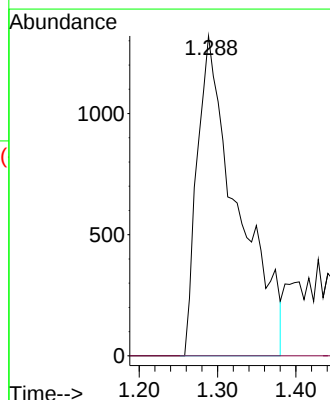
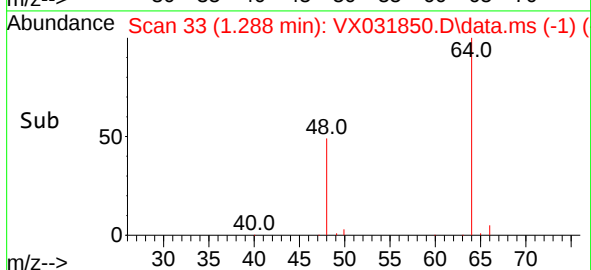
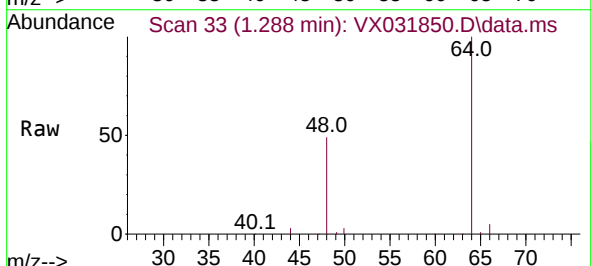


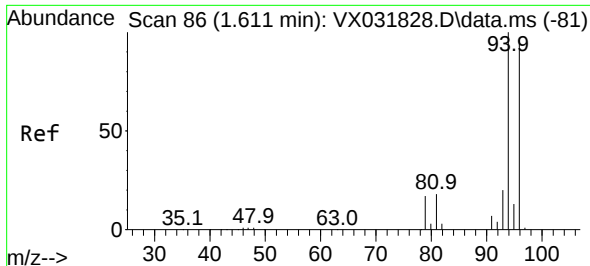
Tgt Ion:168 Resp: 77842
Ion Ratio Lower Upper
168 100
99 53.8 48.8 73.2



#3
Chloromethane
Concen: 4.482 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

Tgt Ion: 50 Resp: 4728
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

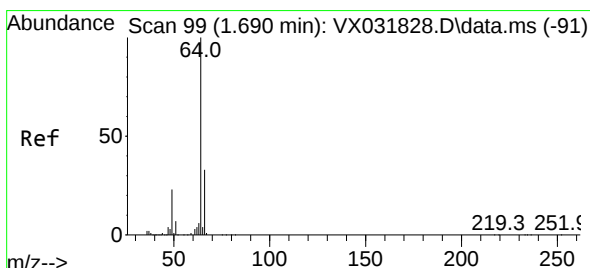
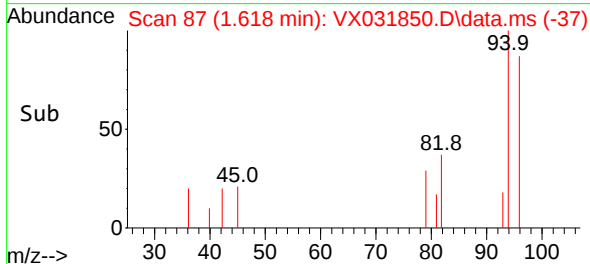
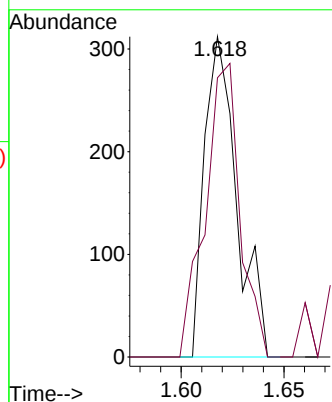
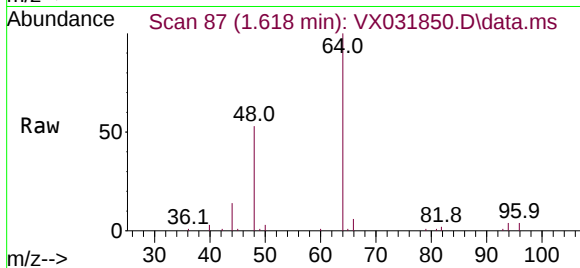




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

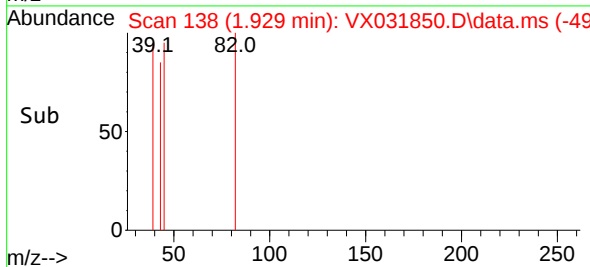
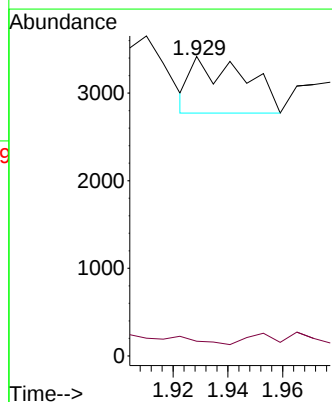
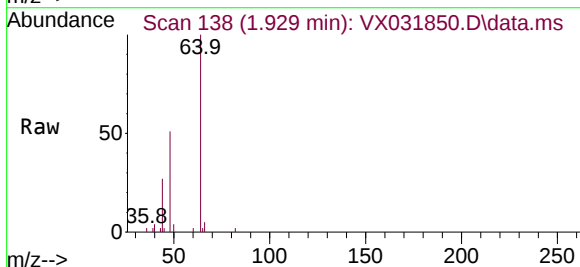
Instrument :
MSVOA_X
ClientSampleId :

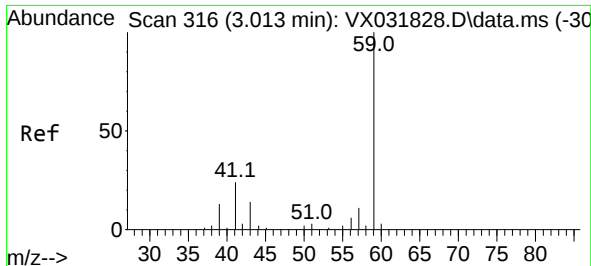
Tgt Ion: 94 Resp: 343
Ion Ratio Lower Upper
94 100
96 87.2 74.4 111.6



#6
Chloroethane
Concen: Below Cal
RT: 1.929 min Scan# 138
Delta R.T. 0.244 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

Tgt Ion: 64 Resp: 862
Ion Ratio Lower Upper
64 100
66 2.2 25.0 37.4#





#11

Tert butyl alcohol

Concen: 0.242 ug/l

RT: 2.983 min Scan# 31

Delta R.T. -0.098 min

Lab File: VX031850.D

Acq: 03 Oct 2022 21:44

Instrument :

MSVOA_X

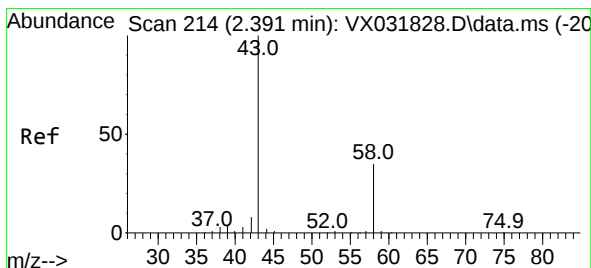
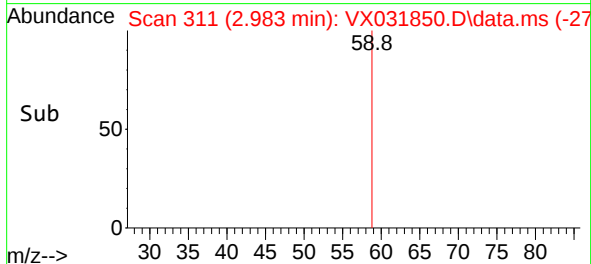
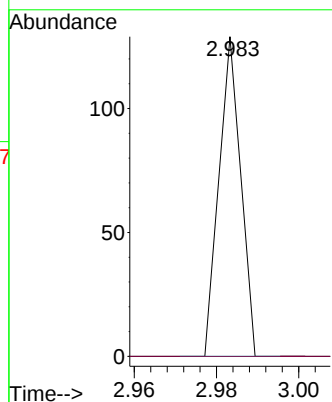
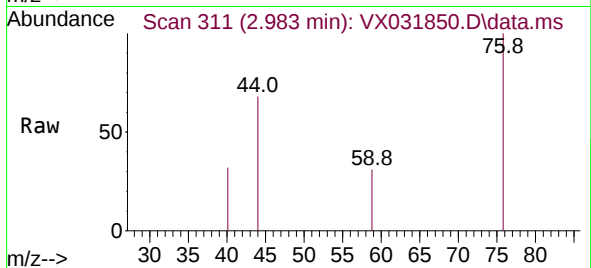
ClientSampleId :

Tgt Ion: 59 Resp: 47

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX031850.D

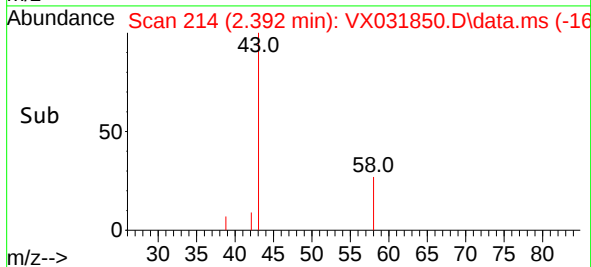
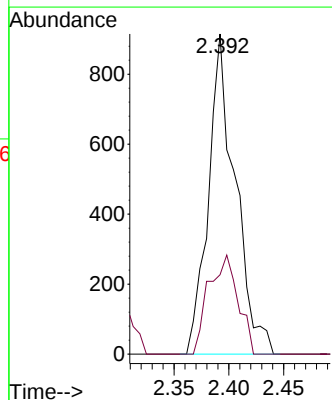
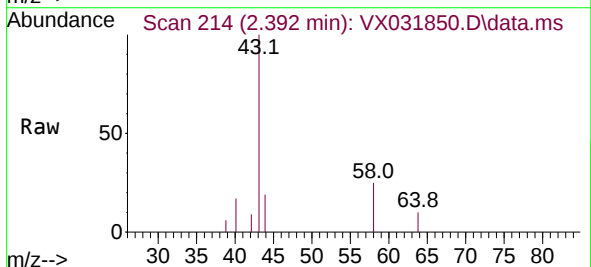
Acq: 03 Oct 2022 21:44

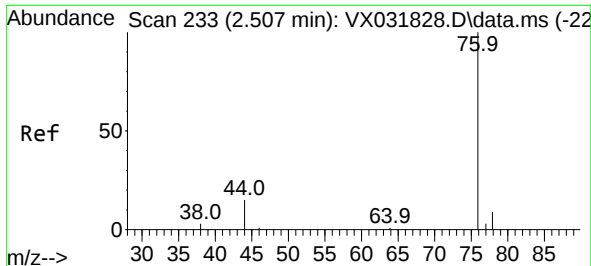
Tgt Ion: 43 Resp: 1556

Ion Ratio Lower Upper

43 100

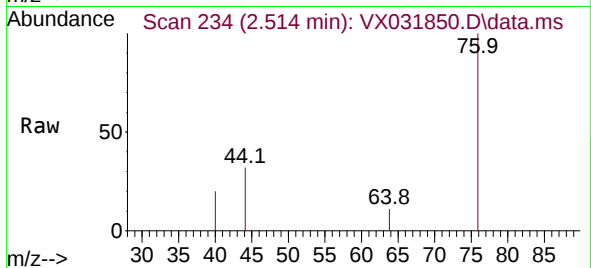
58 24.8 23.8 35.8



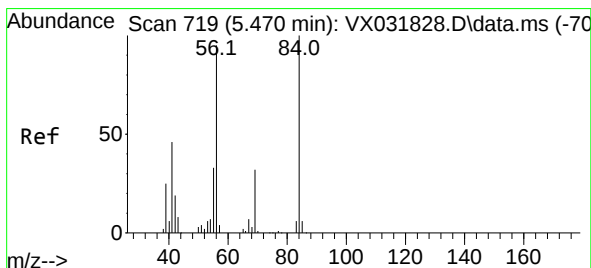
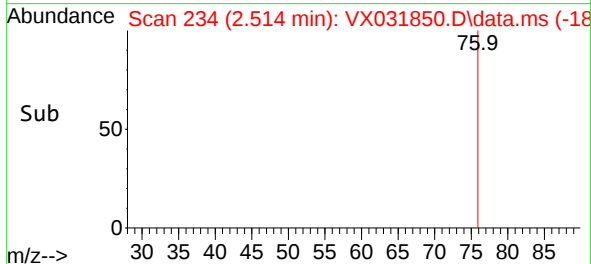
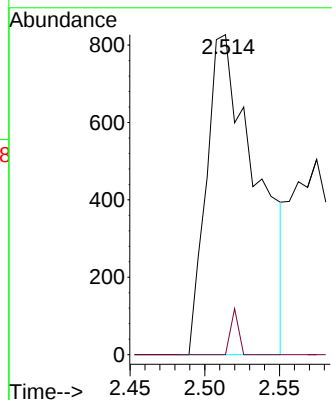


#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

Instrument :
MSVOA_X
ClientSampleId :

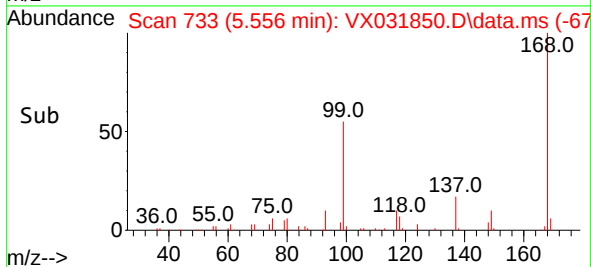
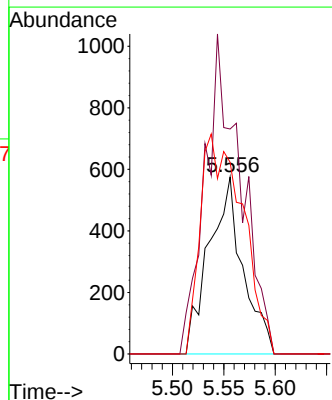
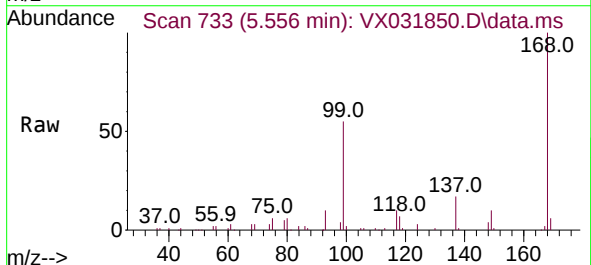


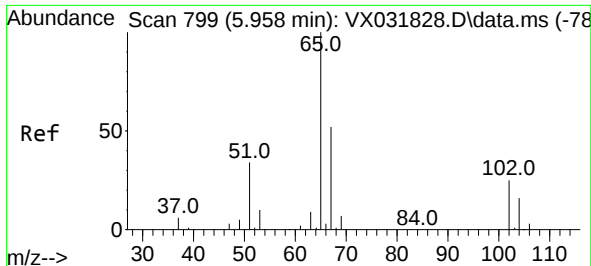
Tgt Ion: 76 Resp: 1931
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#31
Cyclohexane
Concen: 0.791 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

Tgt Ion: 56 Resp: 1313
Ion Ratio Lower Upper
56 100
69 127.1 25.1 37.7#
84 108.3 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 53.060 ug/l

RT: 5.952 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031850.D

Acq: 03 Oct 2022 21:44

Instrument :

MSVOA_X

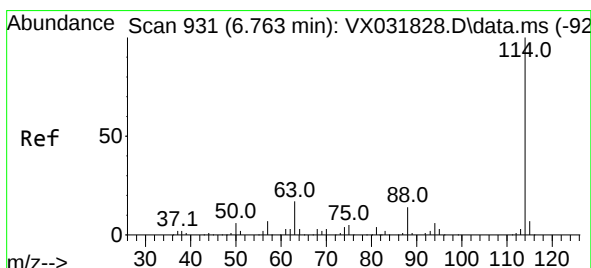
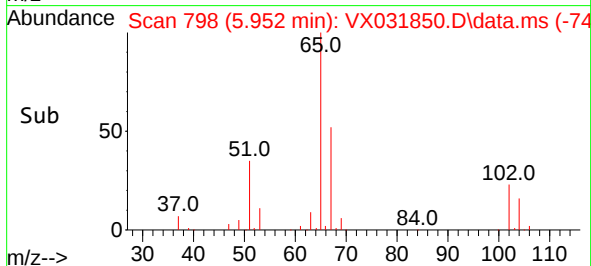
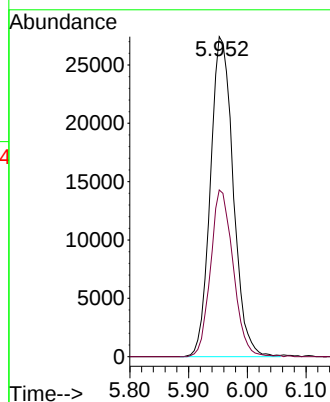
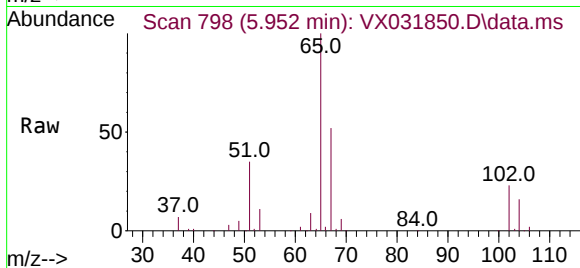
ClientSampleId :

Tgt Ion: 65 Resp: 73997

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031850.D

Acq: 03 Oct 2022 21:44

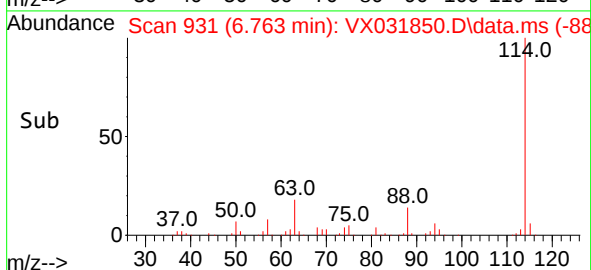
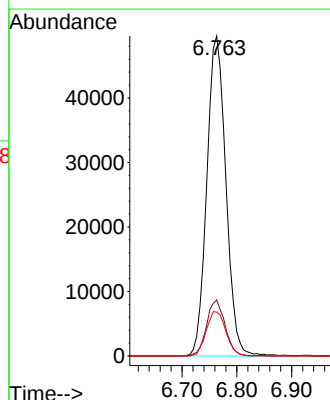
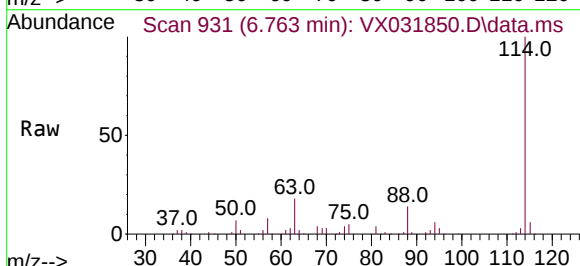
Tgt Ion: 114 Resp: 119697

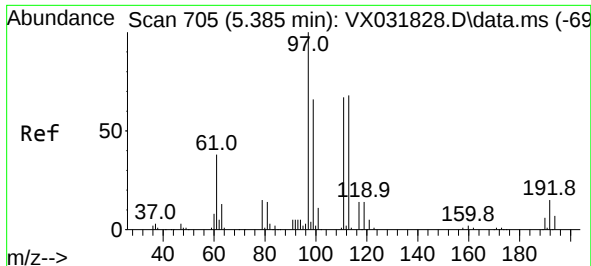
Ion Ratio Lower Upper

114 100

63 17.5 0.0 42.6

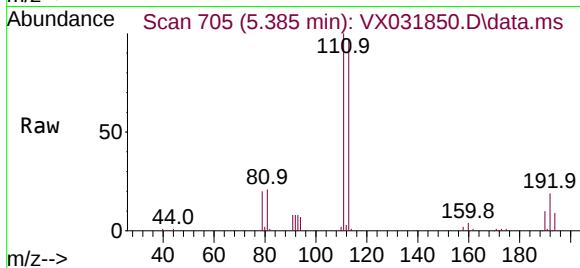
88 13.7 0.0 33.0



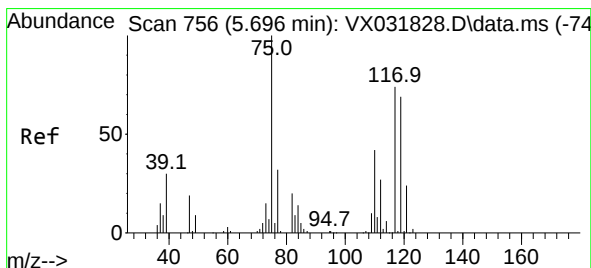
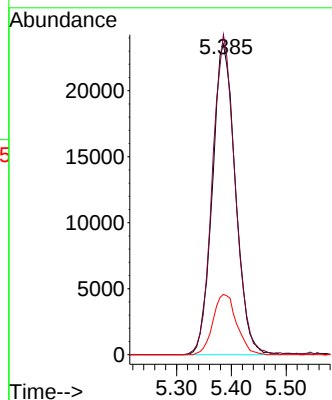
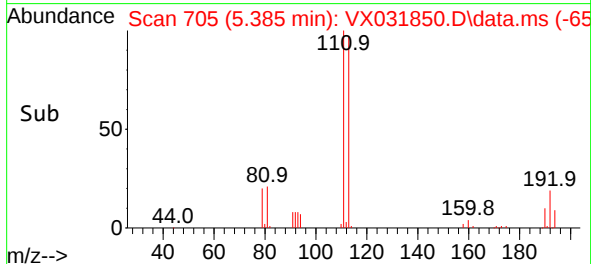


#35
Dibromofluoromethane
Concen: 48.396 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

Instrument :
MSVOA_X
ClientSampleId :

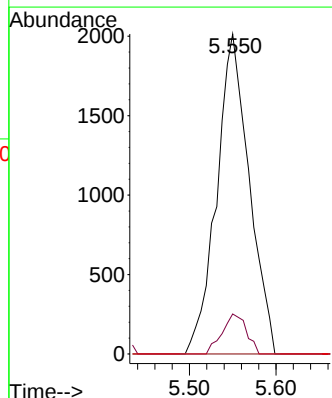
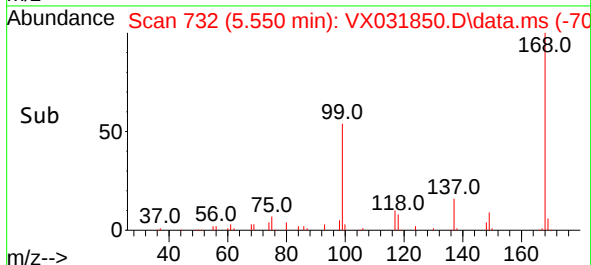
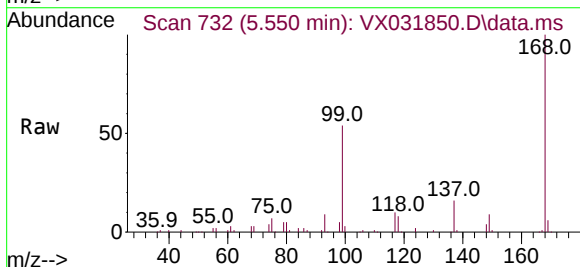


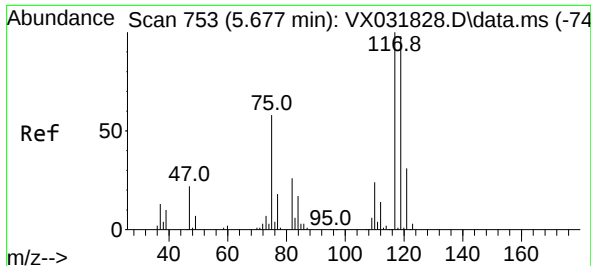
Tgt Ion:113 Resp: 68826
Ion Ratio Lower Upper
113 100
111 101.2 82.4 123.6
192 19.9 14.1 21.1



#36
1,1-Dichloropropene
Concen: 2.980 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

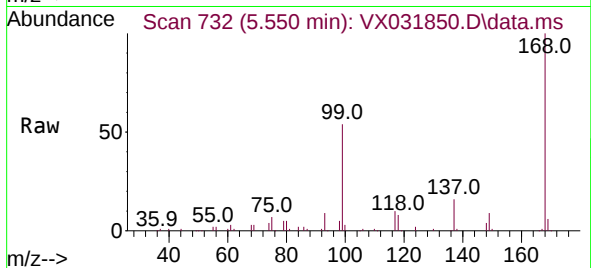
Tgt Ion: 75 Resp: 5255
Ion Ratio Lower Upper
75 100
110 9.3 17.5 52.5#
77 0.0 24.9 37.3#



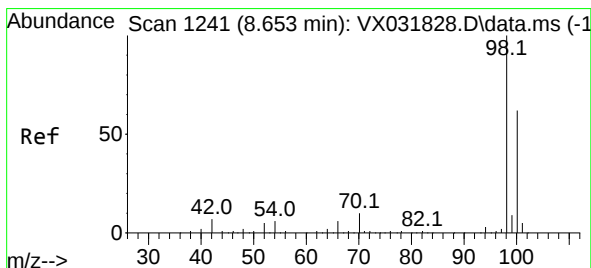
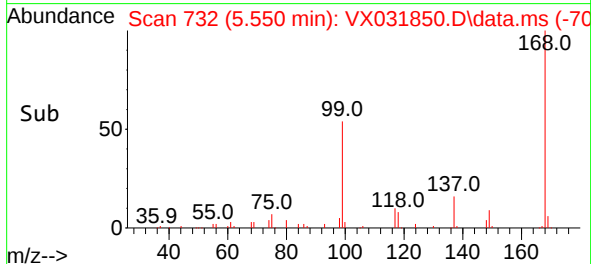
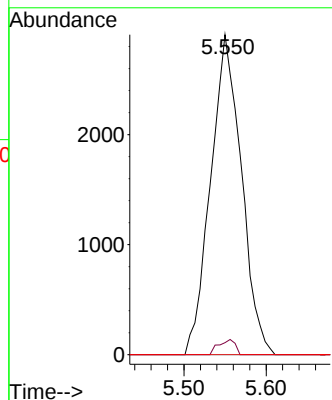


#38
Carbon Tetrachloride
Concen: 3.459 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

Instrument :
MSVOA_X
ClientSampleId :

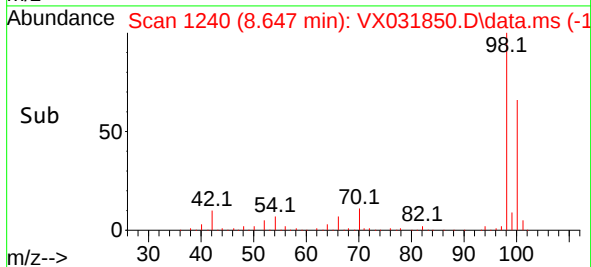
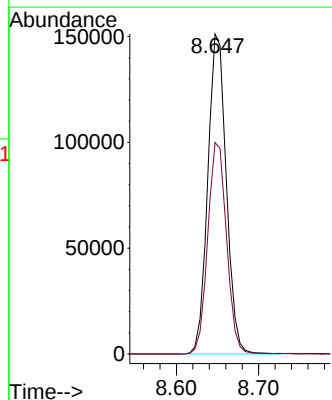
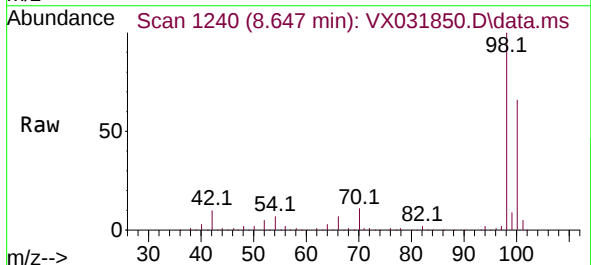


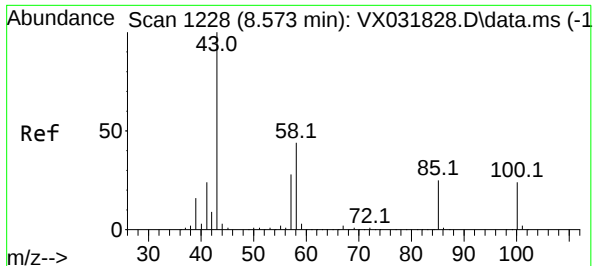
Tgt Ion:117 Resp: 7571
Ion Ratio Lower Upper
117 100
119 3.8 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 46.484 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

Tgt Ion: 98 Resp: 236487
Ion Ratio Lower Upper
98 100
100 67.1 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.543 ug/l

RT: 8.647 min Scan# 1316

Delta R.T. 0.067 min

Lab File: VX031850.D

Acq: 03 Oct 2022 21:44

Instrument :

MSVOA_X

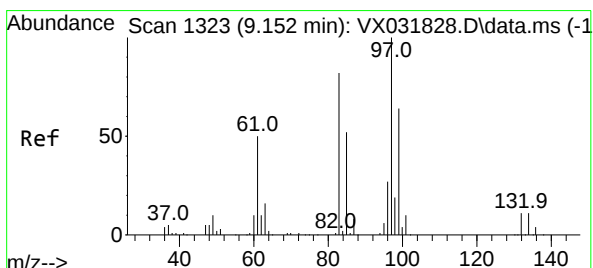
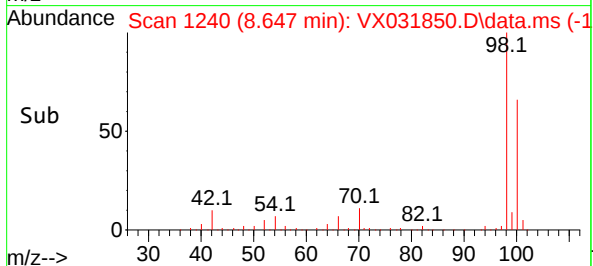
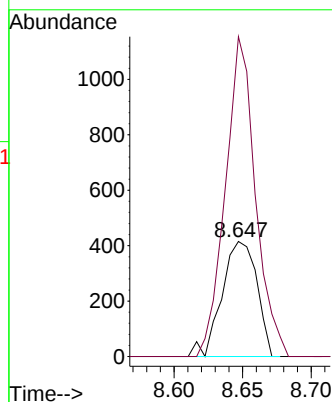
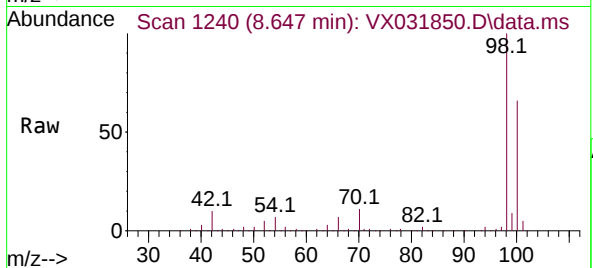
ClientSampleId :

Tgt Ion: 43 Resp: 736

Ion Ratio Lower Upper

43 100

58 239.7 30.6 46.0#



#55

1,1,2-Trichloroethane

Concen: 0.264 ug/l

RT: 9.110 min Scan# 1316

Delta R.T. -0.043 min

Lab File: VX031850.D

Acq: 03 Oct 2022 21:44

Tgt Ion: 97 Resp: 376

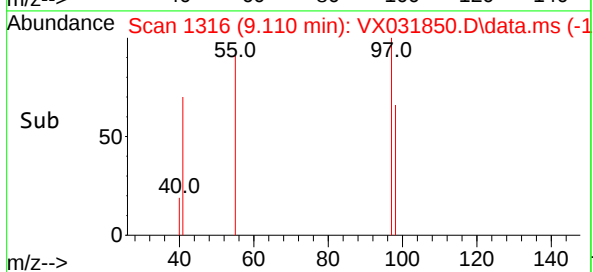
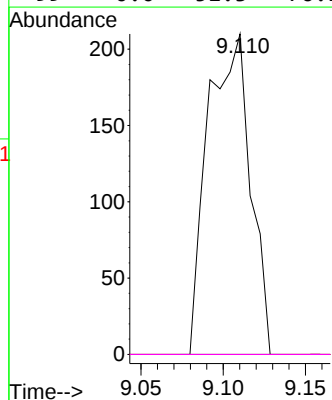
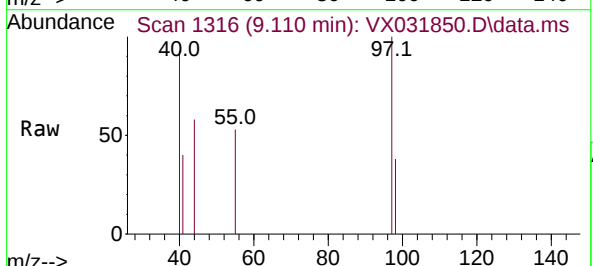
Ion Ratio Lower Upper

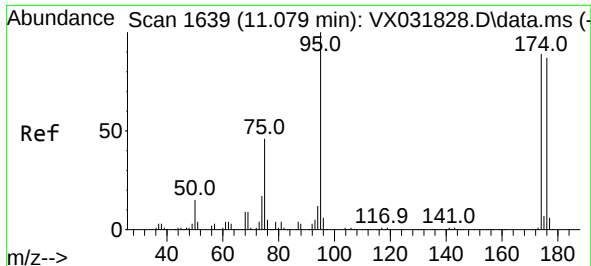
97 100

83 0.0 69.0 103.6#

85 0.0 44.1 66.1#

99 0.0 51.3 76.9#





#62

4-Bromofluorobenzene

Concen: 42.917 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031850.D

Acq: 03 Oct 2022 21:44

Instrument :

MSVOA_X

ClientSampleId :

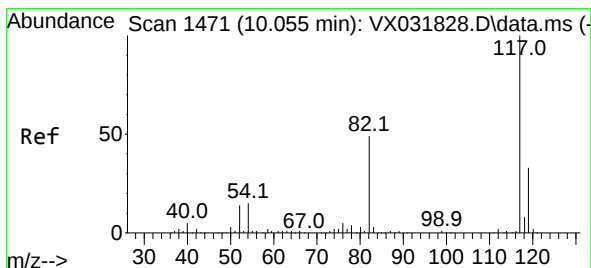
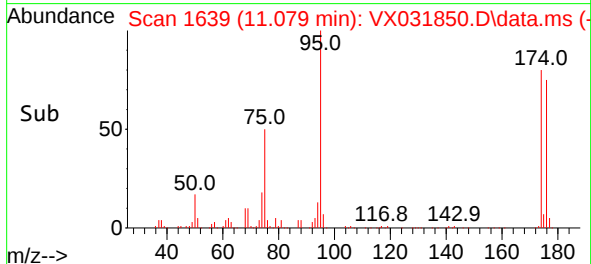
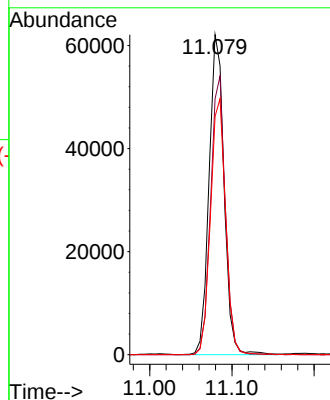
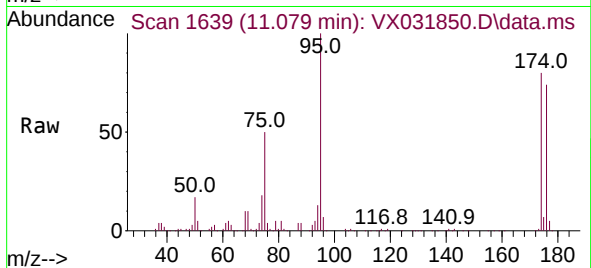
Tgt Ion: 95 Resp: 78625

Ion Ratio Lower Upper

95 100

174 85.5 0.0 153.2

176 80.8 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: VX031850.D

Acq: 03 Oct 2022 21:44

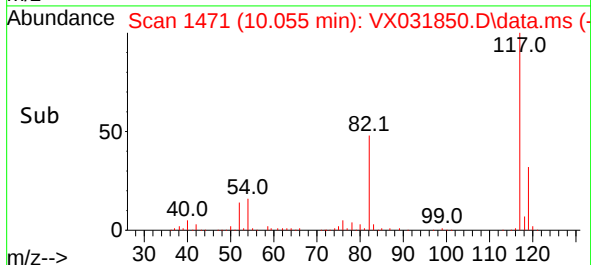
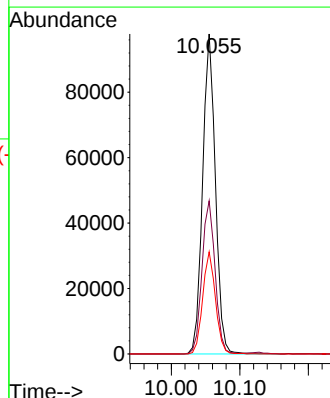
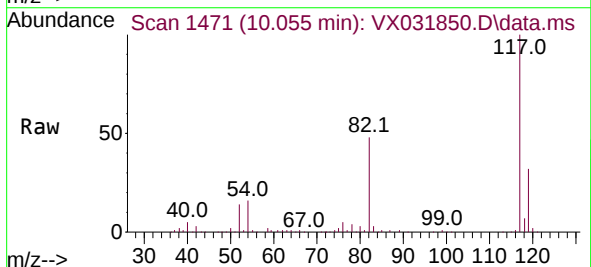
Tgt Ion: 117 Resp: 126984

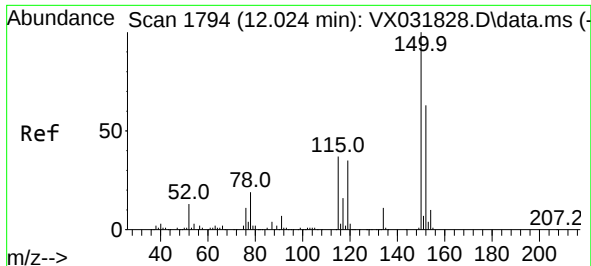
Ion Ratio Lower Upper

117 100

82 47.8 46.8 70.2

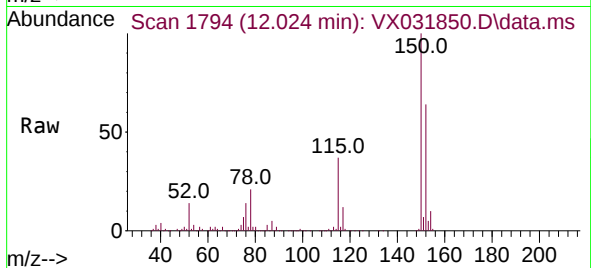
119 31.9 26.4 39.6



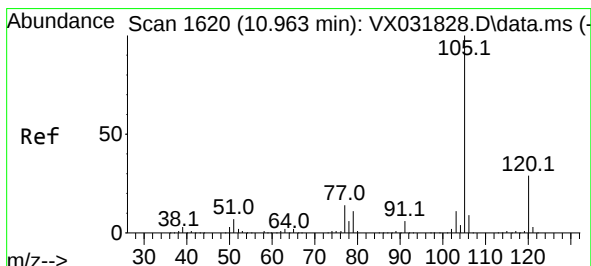
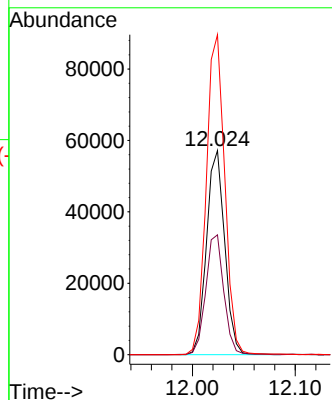
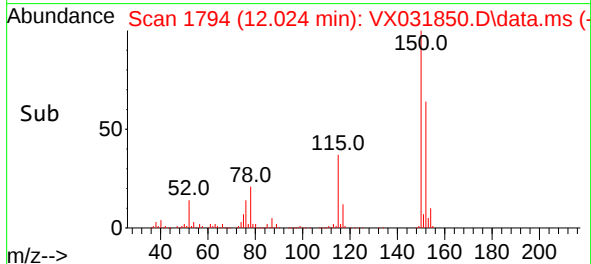


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

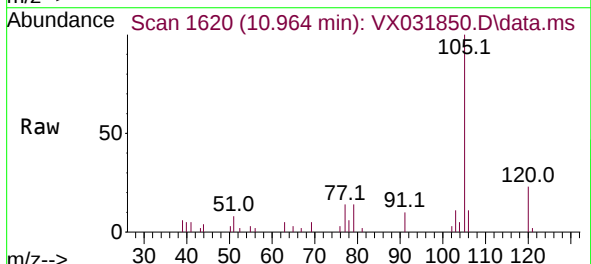
Instrument :
MSVOA_X
ClientSampleId :



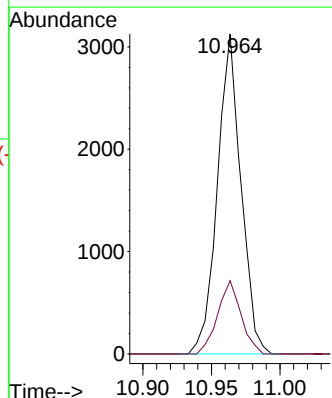
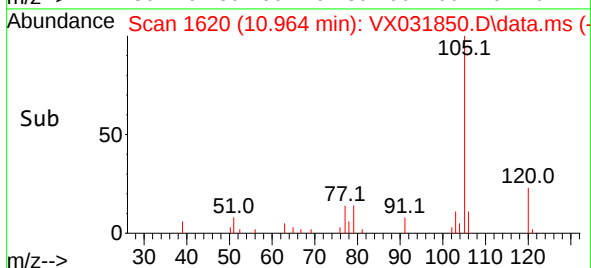
Tgt Ion:152 Resp: 70448
Ion Ratio Lower Upper
152 100
115 58.5 43.4 130.1
150 158.8 0.0 346.8

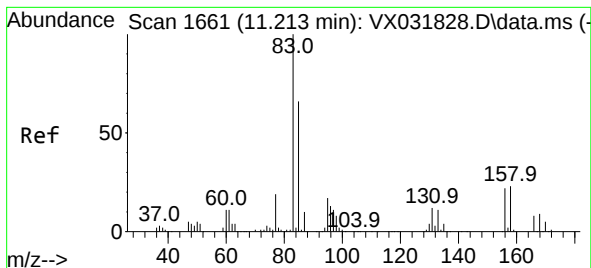


#73
Isopropylbenzene
Concen: 0.749 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44



Tgt Ion:105 Resp: 3728
Ion Ratio Lower Upper
105 100
120 22.8 13.7 41.0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.301 ug/l

RT: 11.214 min Scan# 1

Delta R.T. 0.001 min

Lab File: VX031850.D

Acq: 03 Oct 2022 21:44

Instrument :

MSVOA_X

ClientSampleId :

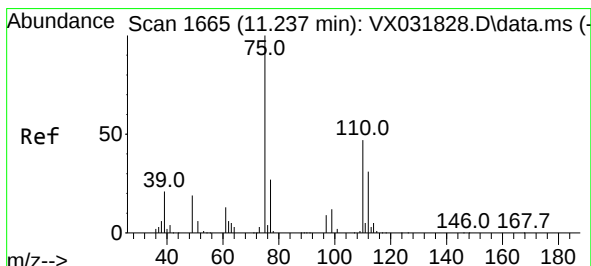
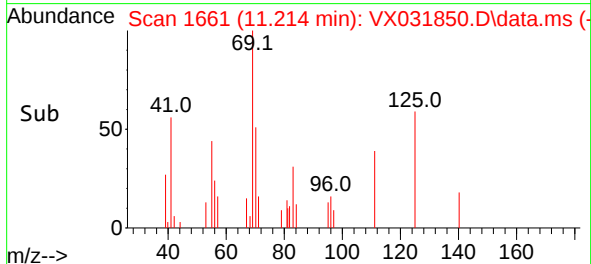
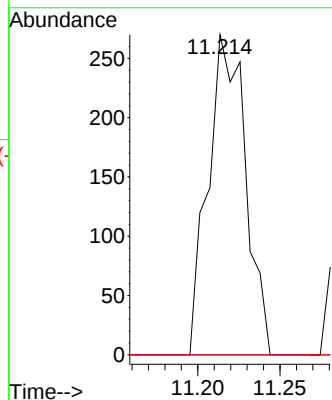
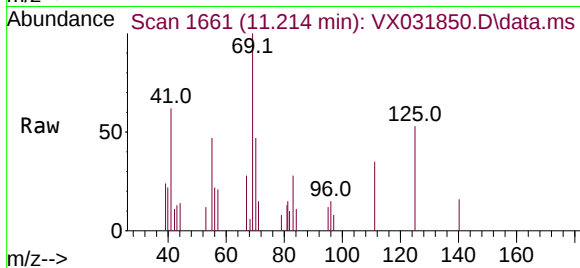
Tgt Ion: 83 Resp: 426

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: 29.650 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX031850.D

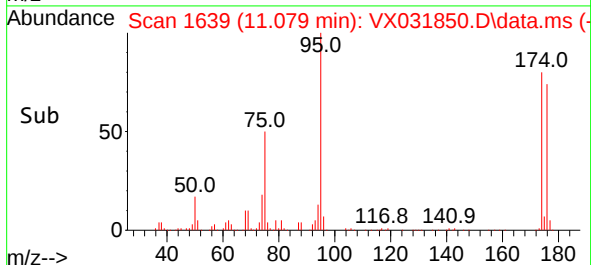
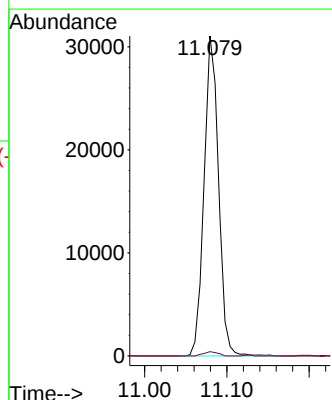
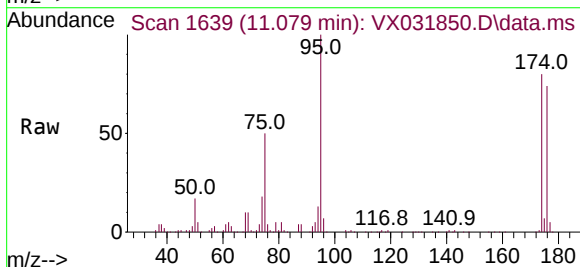
Acq: 03 Oct 2022 21:44

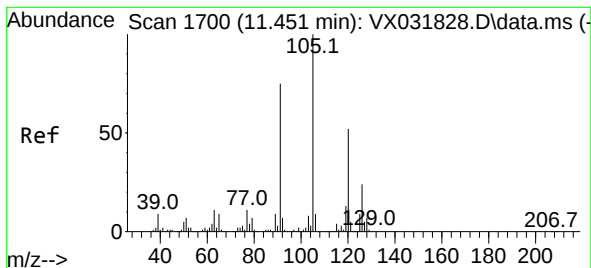
Tgt Ion: 75 Resp: 38004

Ion Ratio Lower Upper

75 100

77 1.3 20.3 60.9#





#80

1,3,5-Trimethylbenzene

Concen: 0.483 ug/l

RT: 11.616 min Scan# 1

Delta R.T. 0.165 min

Lab File: VX031850.D

Acq: 03 Oct 2022 21:44

Instrument :

MSVOA_X

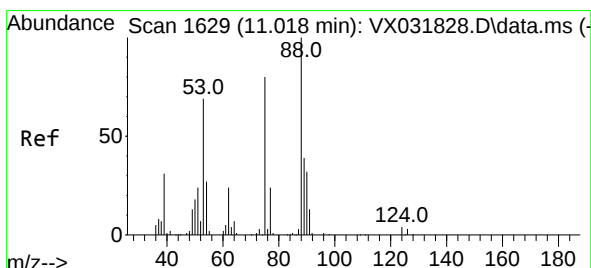
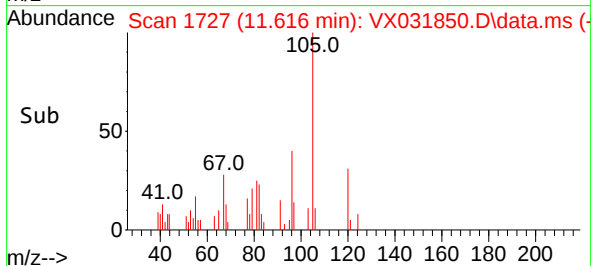
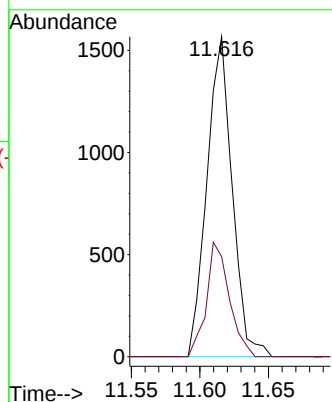
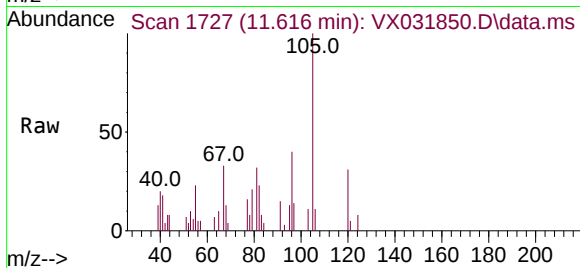
ClientSampleId :

Tgt Ion:105 Resp: 2008

Ion Ratio Lower Upper

105 100

120 32.4 24.5 73.5



#81

trans-1,4-Dichloro-2-butene

Concen: 101.786 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX031850.D

Acq: 03 Oct 2022 21:44

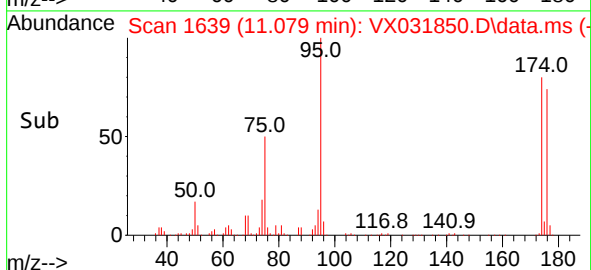
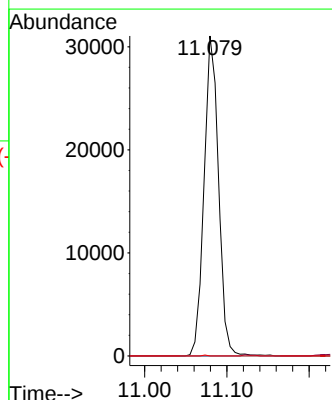
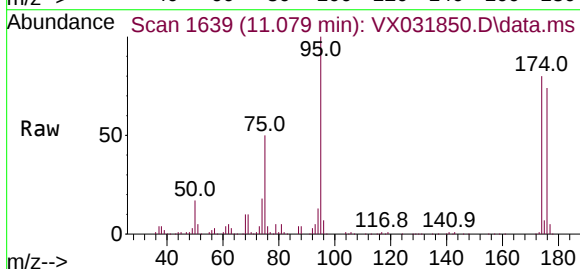
Tgt Ion: 75 Resp: 38004

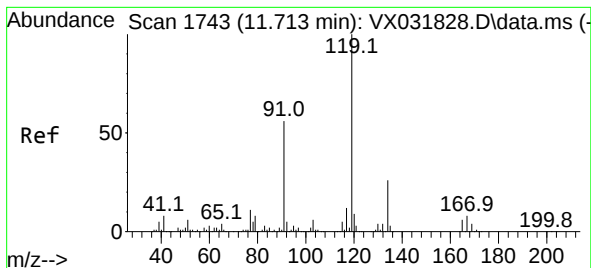
Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.1 37.4 56.0#





#83

tert-Butylbenzene

Concen: 0.475 ug/l

RT: 11.713 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031850.D

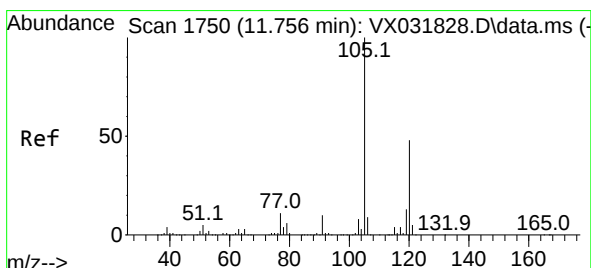
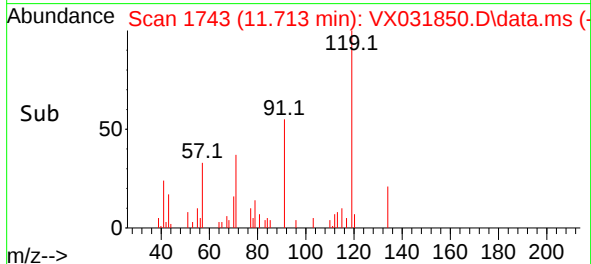
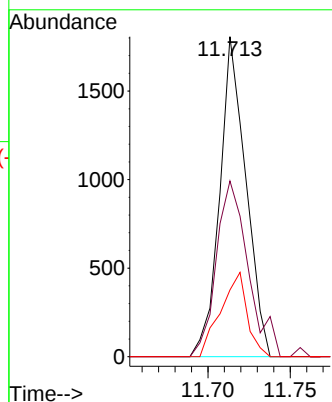
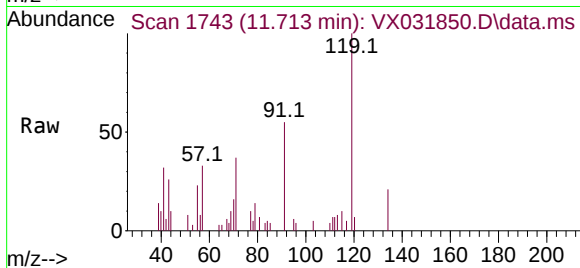
Acq: 03 Oct 2022 21:44

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:119	Resp:	1996
Ion	Ratio	Lower Upper
119	100	
91	66.8	29.2 87.6
134	26.6	11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 0.486 ug/l

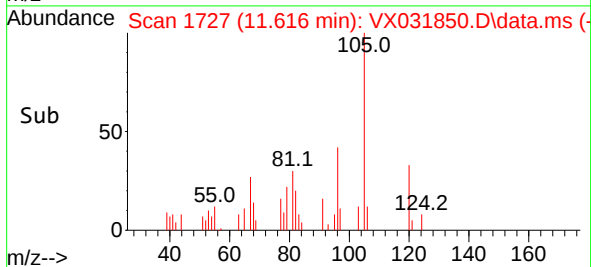
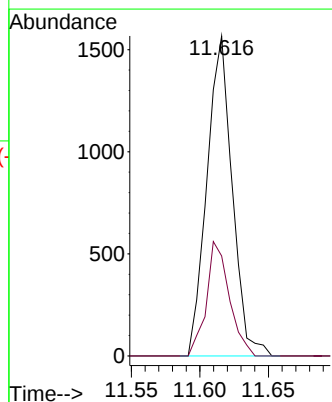
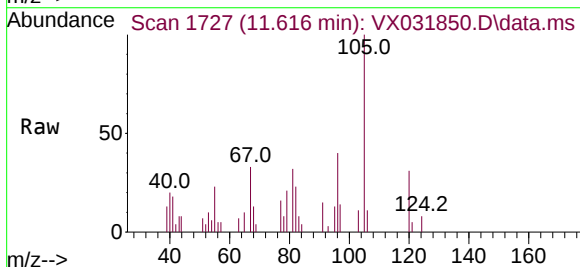
RT: 11.616 min Scan# 1727

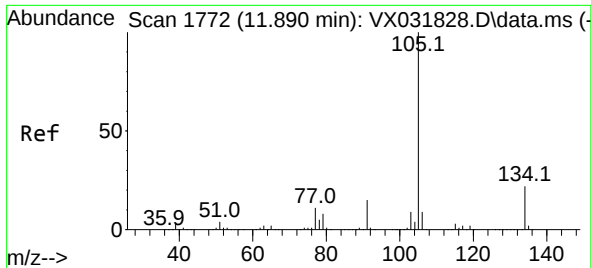
Delta R.T. -0.134 min

Lab File: VX031850.D

Acq: 03 Oct 2022 21:44

Tgt Ion:105	Resp:	2008
Ion	Ratio	Lower Upper
105	100	
120	32.4	22.6 67.8

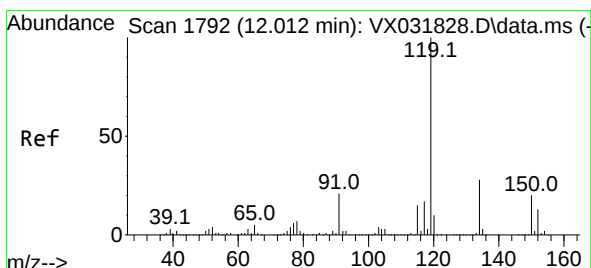
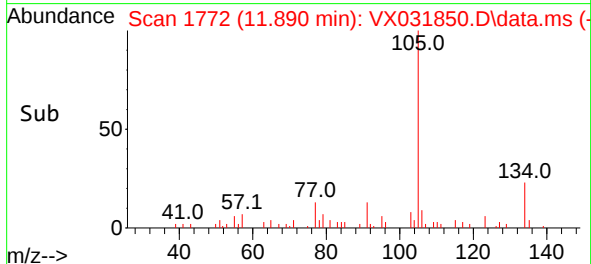
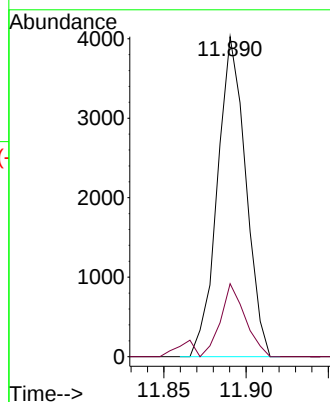
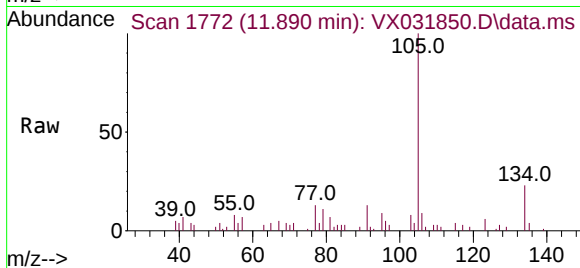




#85
 sec-Butylbenzene
 Concen: 0.952 ug/l
 RT: 11.890 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VX031850.D
 Acq: 03 Oct 2022 21:44

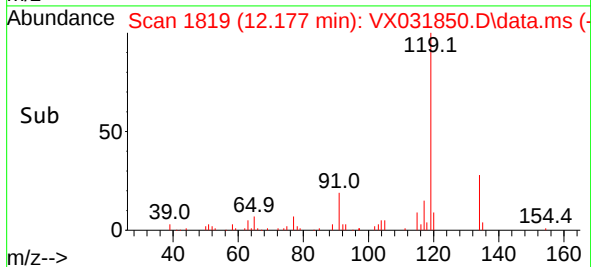
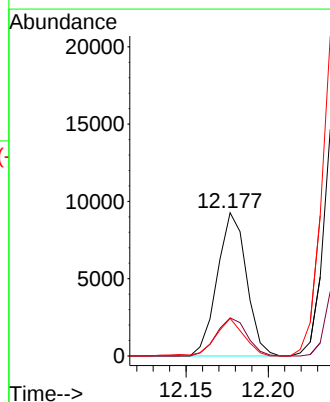
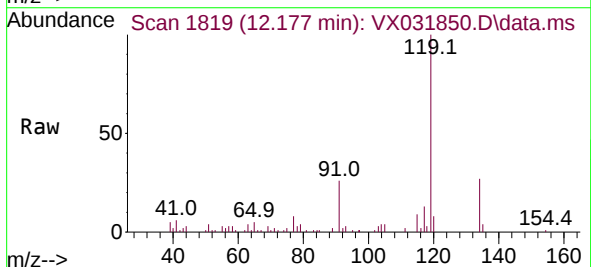
Instrument :
 MSVOA_X
 ClientSampleId :

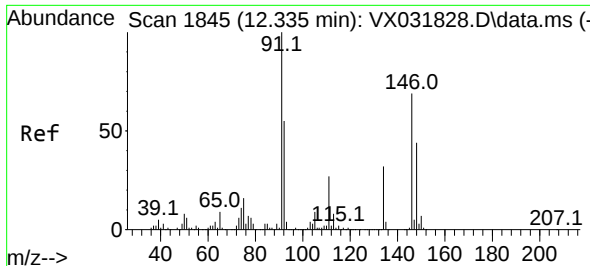
Tgt Ion:105 Resp: 4814
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 2.588 ug/l
 RT: 12.177 min Scan# 1819
 Delta R.T. 0.165 min
 Lab File: VX031850.D
 Acq: 03 Oct 2022 21:44

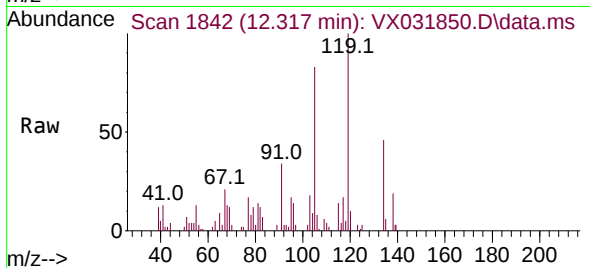
Tgt Ion:119 Resp: 11419
 Ion Ratio Lower Upper
 119 100
 134 28.1 13.4 40.2
 91 25.7 12.4 37.2



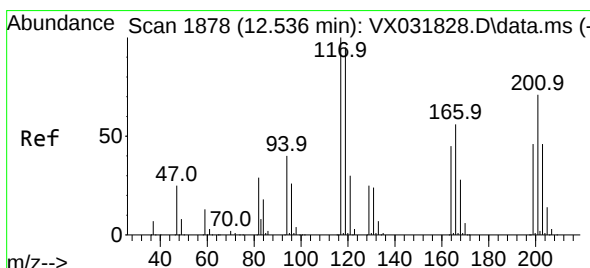
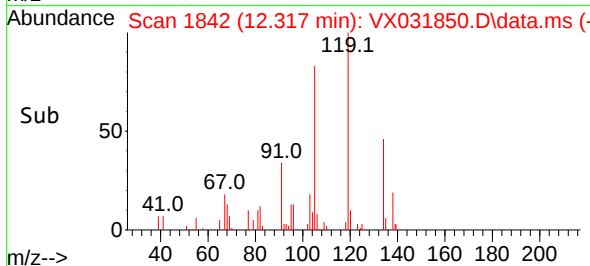
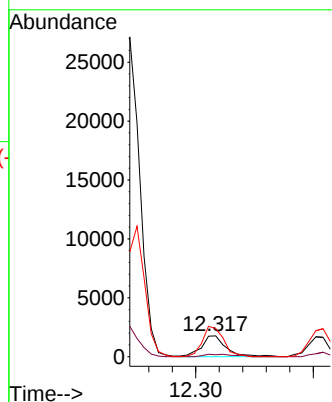


#89
n-Butylbenzene
Concen: 0.745 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.018 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

Instrument :
MSVOA_X
ClientSampleId :

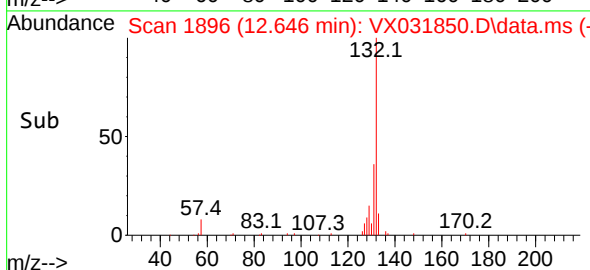
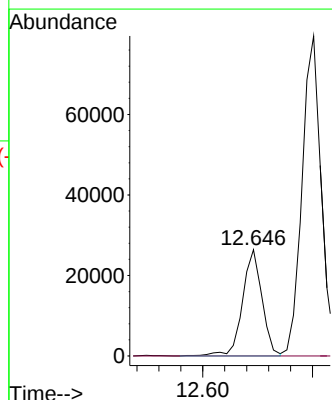
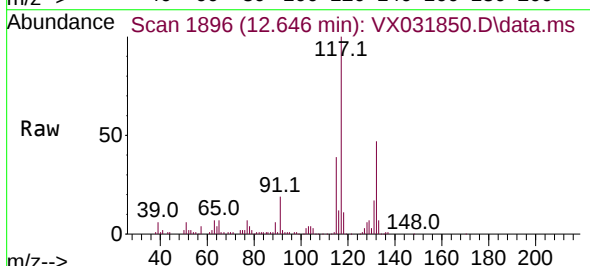


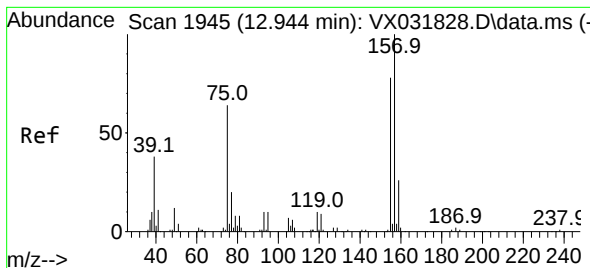
Tgt Ion: 91 Resp: 2596
Ion Ratio Lower Upper
91 100
92 14.3 27.0 81.0#
134 123.2 13.3 39.9#



#90
Hexachloroethane
Concen: 40.906 ug/l
RT: 12.646 min Scan# 1896
Delta R.T. 0.104 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

Tgt Ion: 117 Resp: 32561
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#

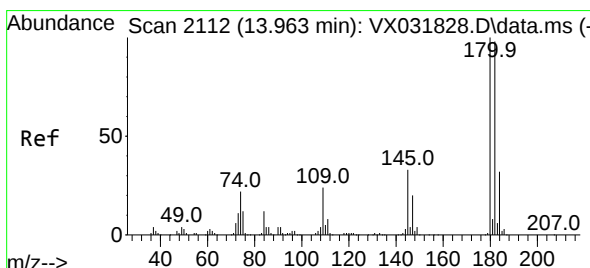
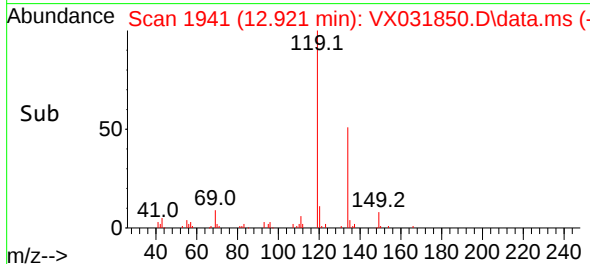
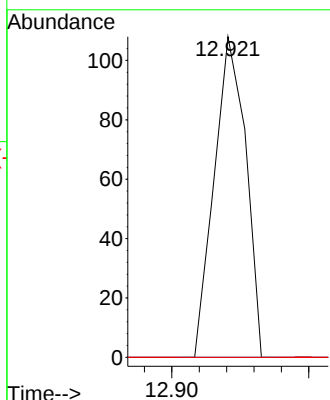
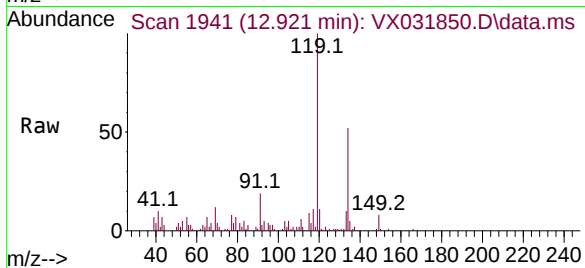




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.289 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. -0.024 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 86
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.8#
157 0.0 51.5 154.5#



#96
1,2,3-Trichlorobenzene
Concen: 0.249 ug/l
RT: 13.987 min Scan# 2116
Delta R.T. 0.024 min
Lab File: VX031850.D
Acq: 03 Oct 2022 21:44

Tgt Ion:180 Resp: 367
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.8#
145 4248.5 17.6 52.8#

