

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031845.D
 Acq On : 03 Oct 2022 19:48
 Operator : JC/MD
 Sample : N4860-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 07:11:07 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)

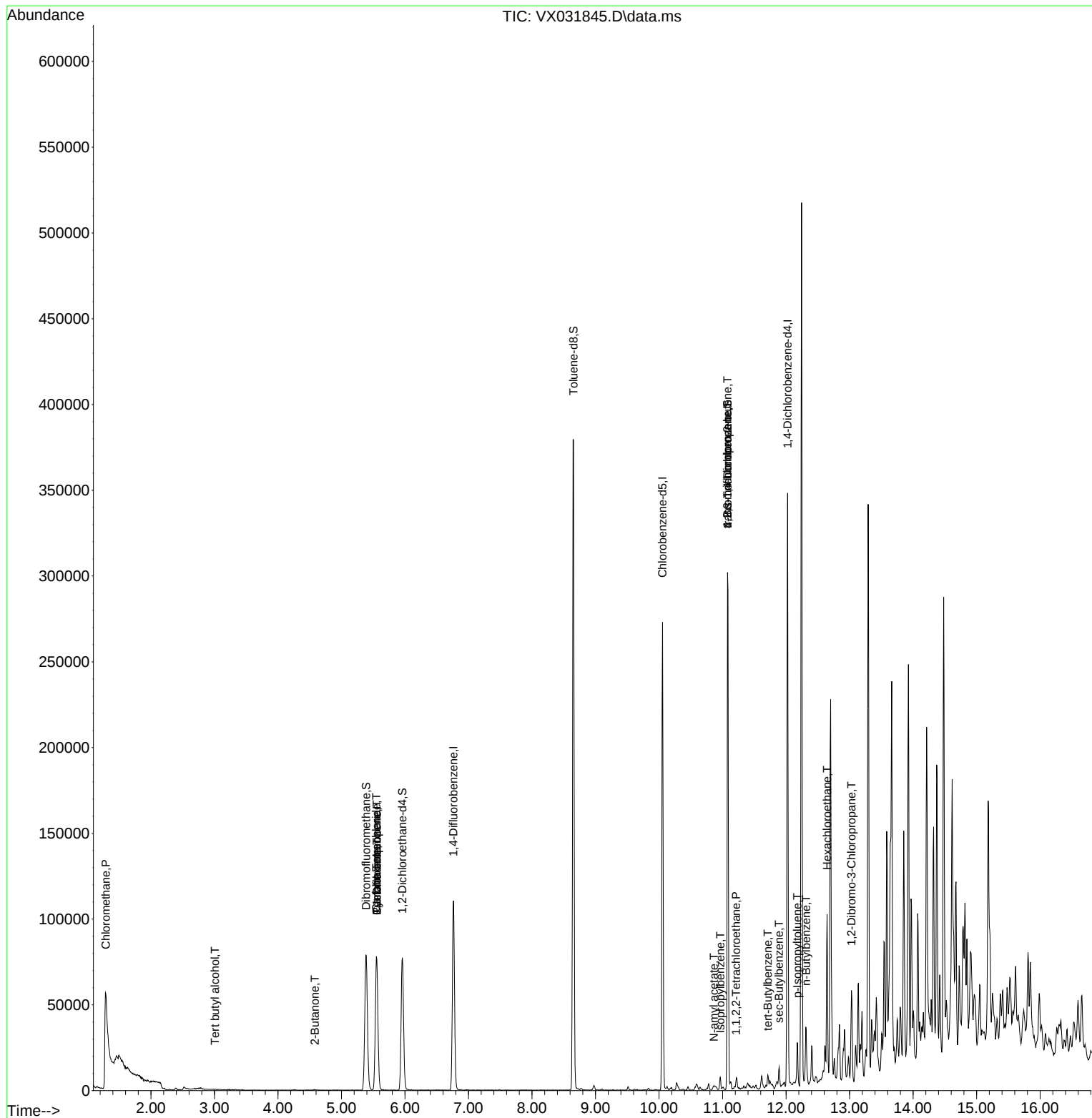
Internal Standards						
1) Pentafluorobenzene	5.556	168	77489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	121997	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75949	54.708	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.420%	
35) Dibromofluoromethane	5.385	113	69144	47.703	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.400%	
50) Toluene-d8	8.653	98	239557	46.200	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.400%	
62) 4-Bromofluorobenzene	11.079	95	80219	42.962	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	3277	3.121	ug/l #	41
5) Bromomethane	1.623	94	386	Below Cal		94
6) Chloroethane	1.940	64	361	Below Cal	#	57
11) Tert butyl alcohol	3.007	59	56	0.290	ug/l #	73
16) Acetone	2.391	43	1660	Below Cal		93
17) Carbon Disulfide	2.519	76	5456	Below Cal	#	93
25) 2-Butanone	4.580	43	286	0.449	ug/l #	49
31) Cyclohexane	5.556	56	1368	0.827	ug/l #	12
36) 1,1-Dichloropropene	5.556	75	5441	3.027	ug/l #	51
38) Carbon Tetrachloride	5.549	117	7720	3.460	ug/l #	16
73) Isopropylbenzene	10.963	105	3828	0.750	ug/l	100
74) N-amyl acetate	10.866	43	417	0.349	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.213	83	451	0.311	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	39658	30.181	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39658	103.607	ug/l #	11
83) tert-Butylbenzene	11.713	119	1892	0.439	ug/l	87
85) sec-Butylbenzene	11.890	105	4449	0.858	ug/l	88
86) p-Isopropyltoluene	12.176	119	11384	2.517	ug/l	98
89) n-Butylbenzene	12.317	91	2789	0.781	ug/l #	5
90) Hexachloroethane	12.646	117	33087	40.546	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	13.030	75	210	0.688	ug/l #	3

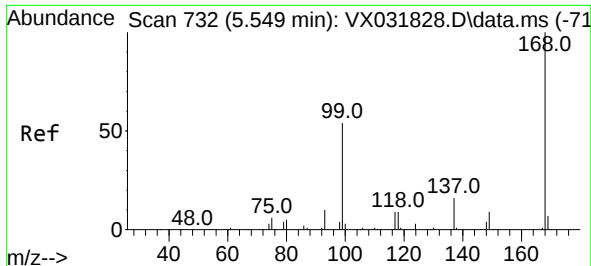
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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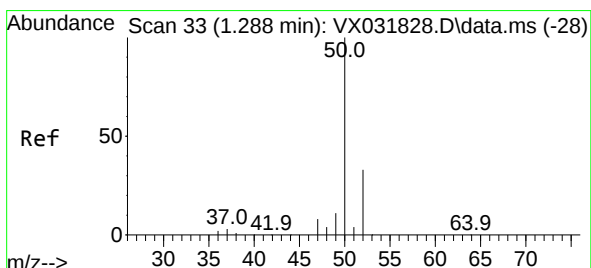
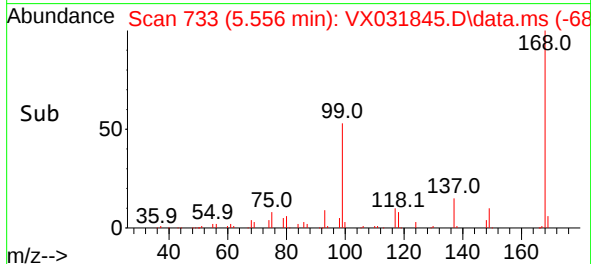
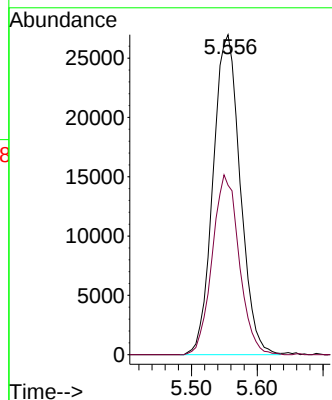
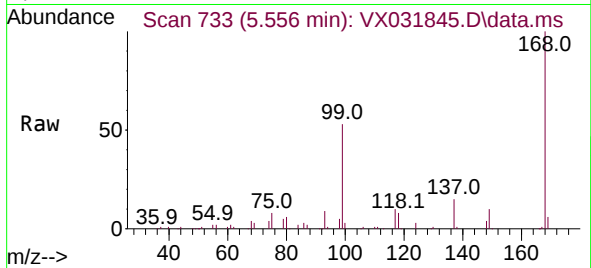




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

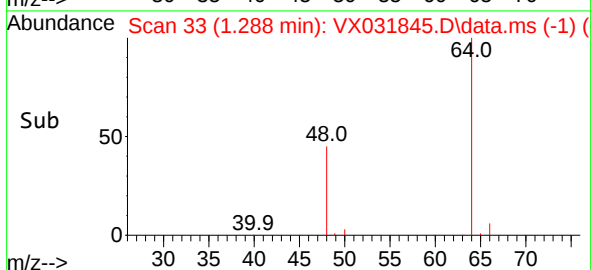
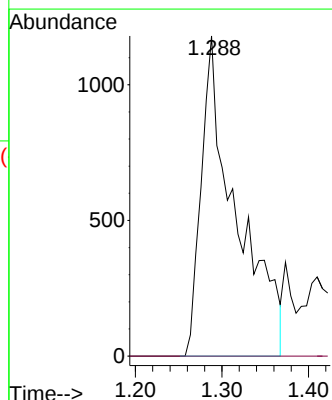
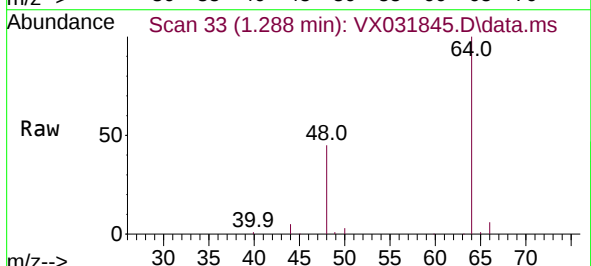
Instrument :
MSVOA_X
ClientSampleId :

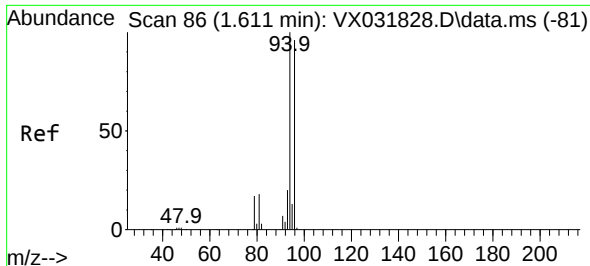
Tgt Ion:168 Resp: 77489
Ion Ratio Lower Upper
168 100
99 53.0 48.8 73.2



#3
Chloromethane
Concen: 3.121 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

Tgt Ion: 50 Resp: 3277
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

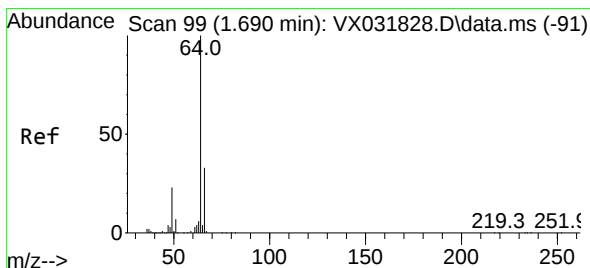
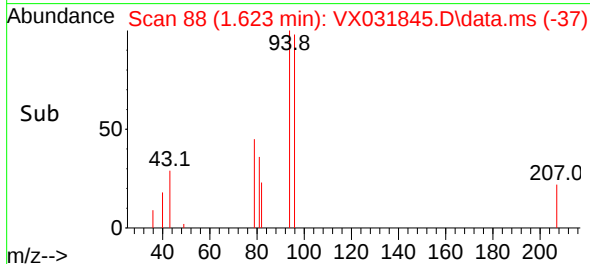
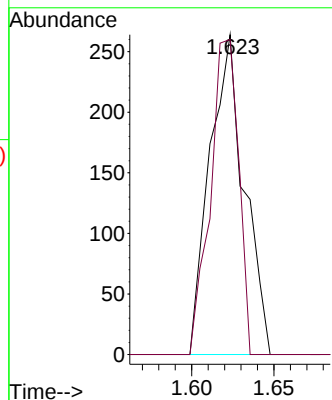
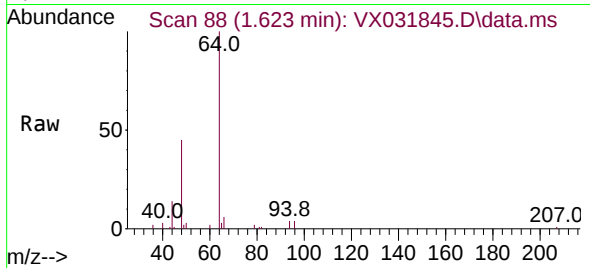




#5
Bromomethane
Concen: Below Cal
RT: 1.623 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

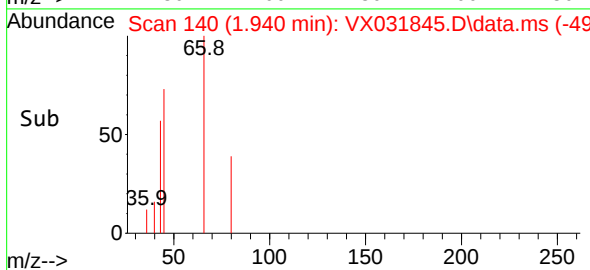
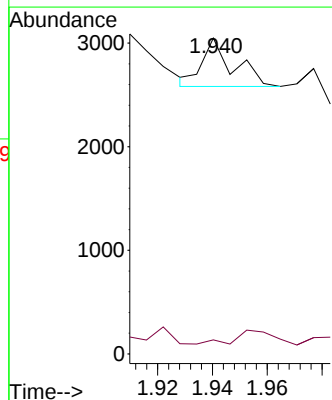
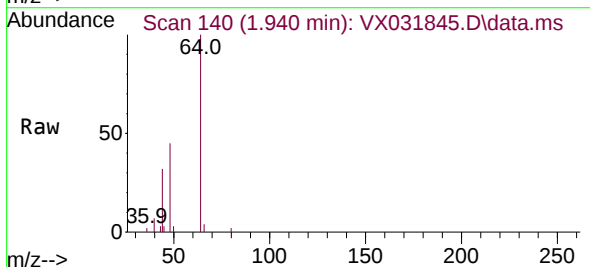
Instrument :
MSVOA_X
ClientSampleId :

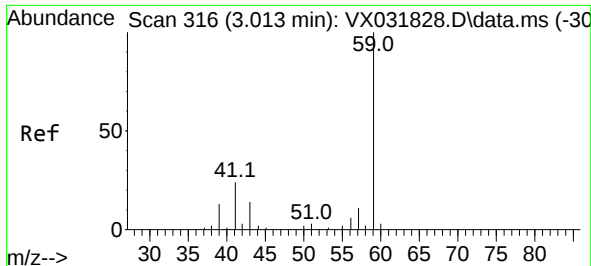
Tgt Ion: 94 Resp: 386
Ion Ratio Lower Upper
94 100
96 98.5 74.4 111.6



#6
Chloroethane
Concen: Below Cal
RT: 1.940 min Scan# 140
Delta R.T. 0.255 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

Tgt Ion: 64 Resp: 361
Ion Ratio Lower Upper
64 100
66 7.7 25.0 37.4#





#11

Tert butyl alcohol

Concen: 0.290 ug/l

RT: 3.007 min Scan# 31

Delta R.T. -0.074 min

Lab File: VX031845.D

Acq: 03 Oct 2022 19:48

Instrument :

MSVOA_X

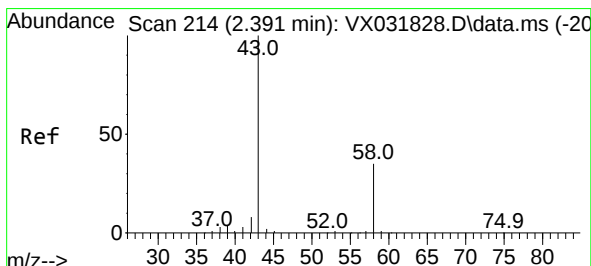
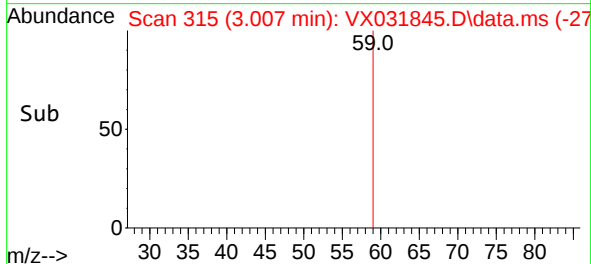
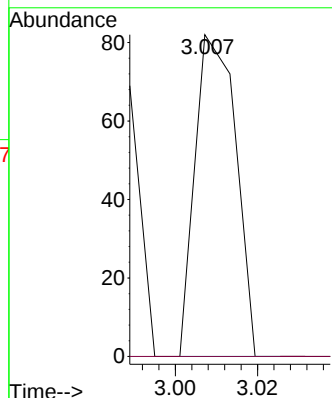
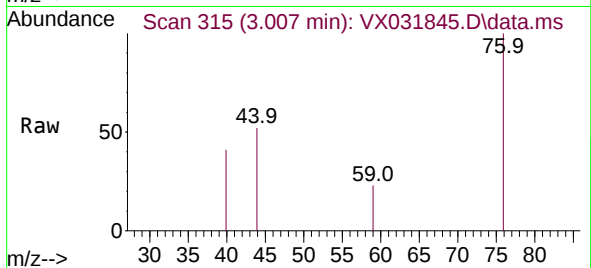
ClientSampleId :

Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.391 min Scan# 214

Delta R.T. -0.001 min

Lab File: VX031845.D

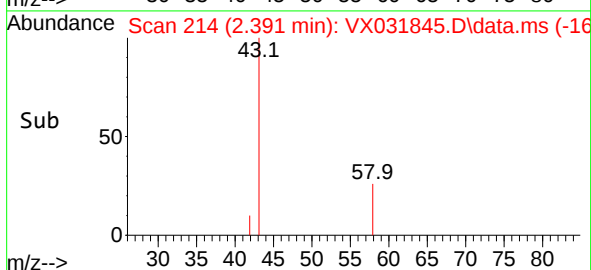
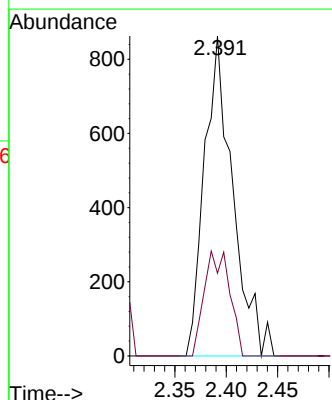
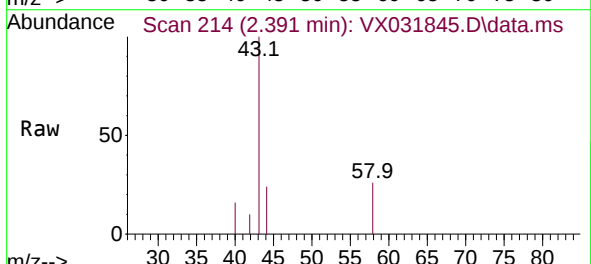
Acq: 03 Oct 2022 19:48

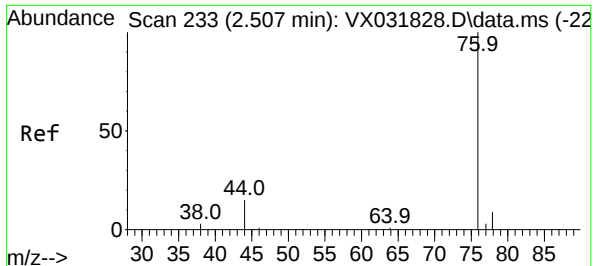
Tgt Ion: 43 Resp: 1660

Ion Ratio Lower Upper

43 100

58 25.8 23.8 35.8

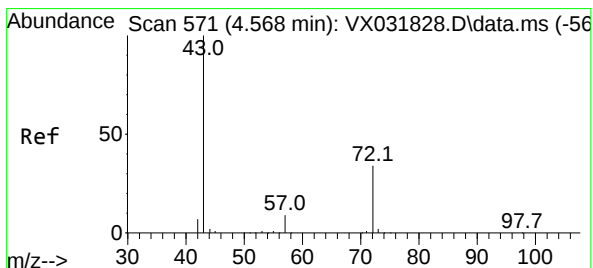
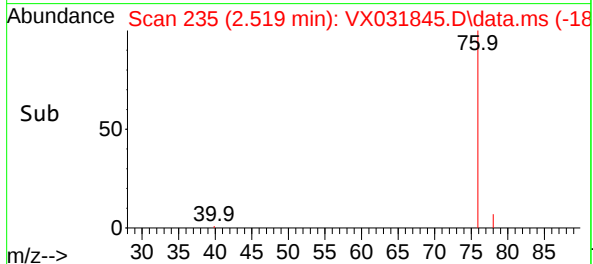
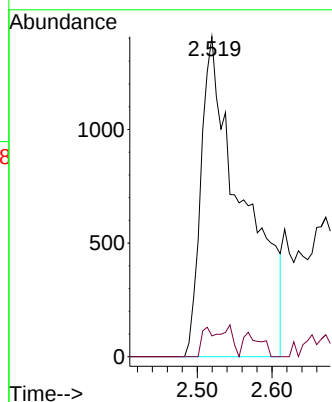
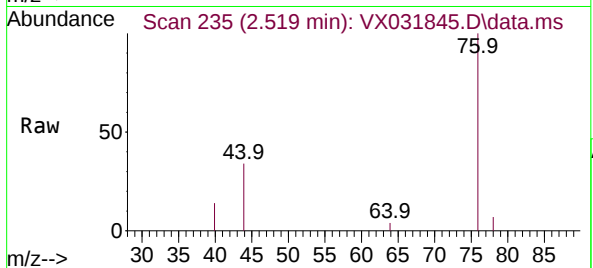




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.519 min Scan# 21
Delta R.T. 0.011 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

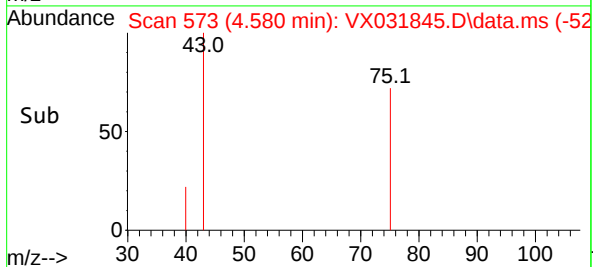
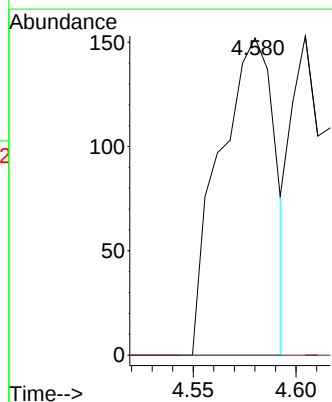
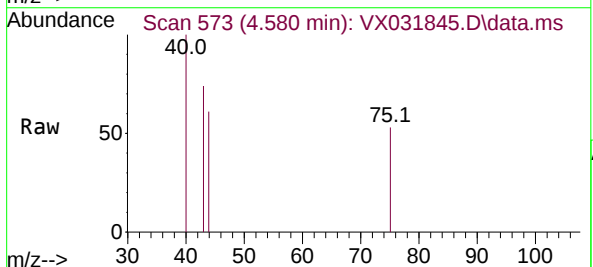
Instrument :
MSVOA_X
ClientSampleId :

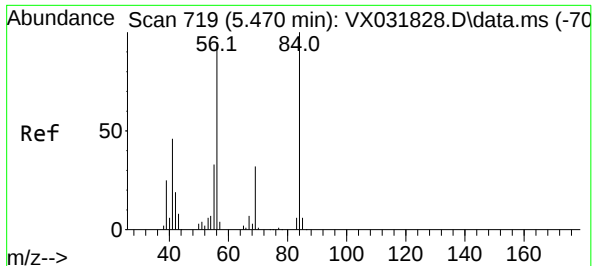
Tgt Ion: 76 Resp: 5456
Ion Ratio Lower Upper
76 100
78 6.5 7.2 10.8#



#25
2-Butanone
Concen: 0.449 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

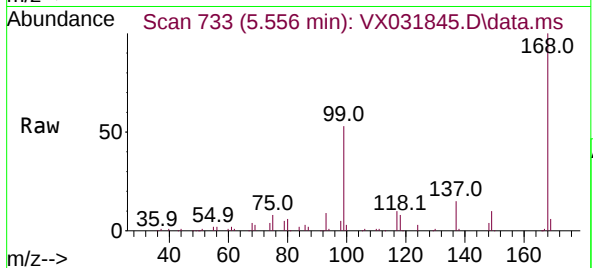
Tgt Ion: 43 Resp: 286
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#





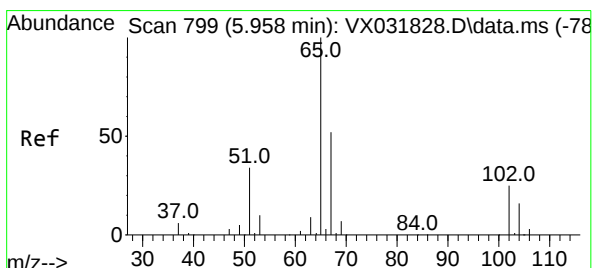
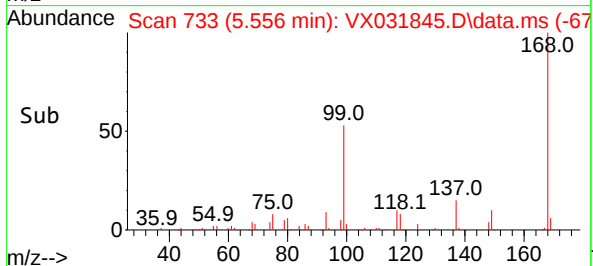
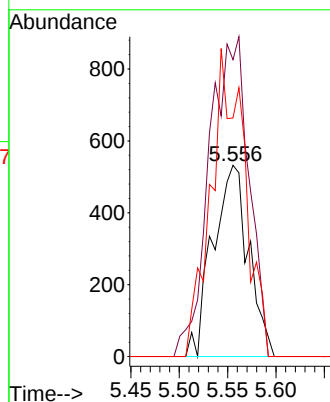
#31
Cyclohexane
Concen: 0.827 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 56 Resp: 1368

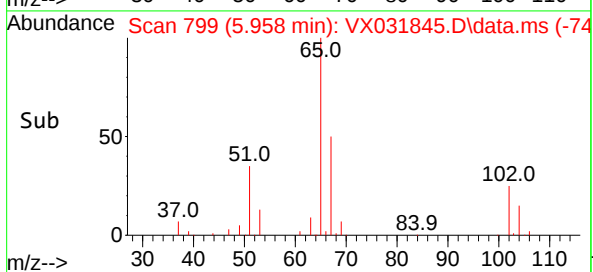
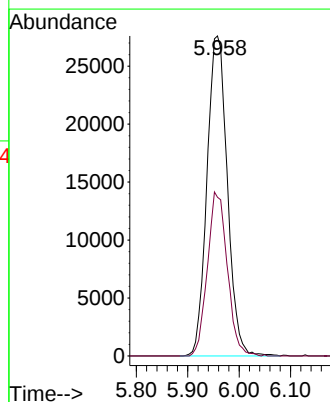
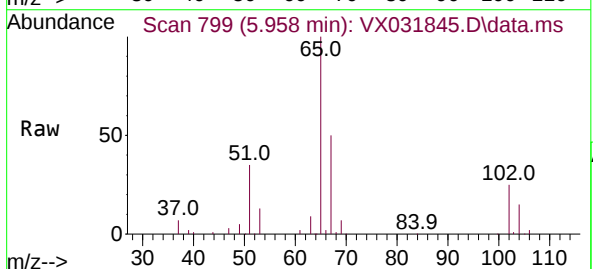
Ion	Ratio	Lower	Upper
56	100		
69	155.3	25.1	37.7#
84	124.8	70.2	105.4#

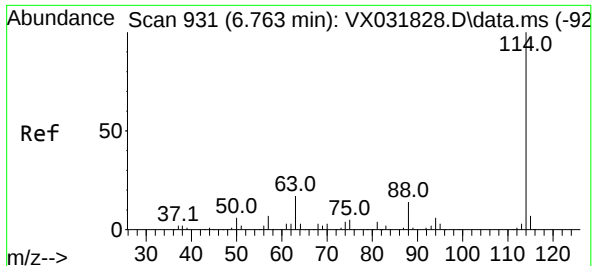


#33
1,2-Dichloroethane-d4
Concen: 54.708 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

Tgt Ion: 65 Resp: 75949

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	102.4

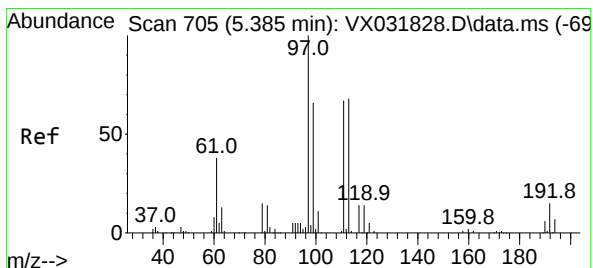
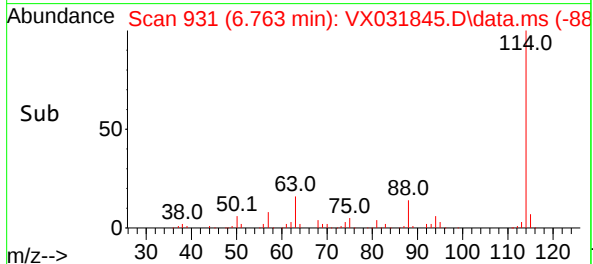
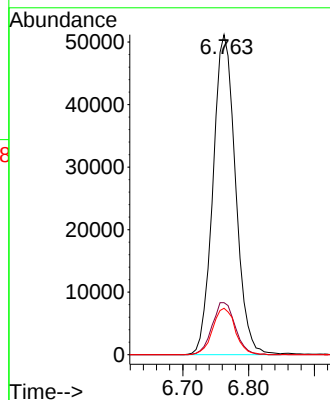
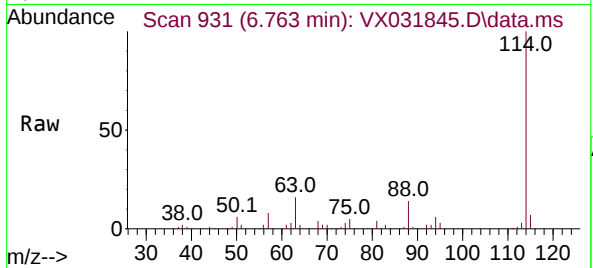




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX031845.D
 Acq: 03 Oct 2022 19:48

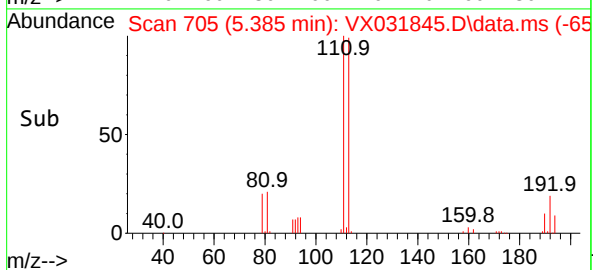
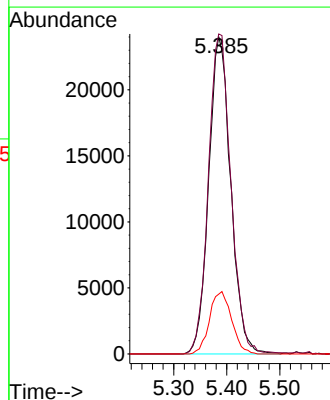
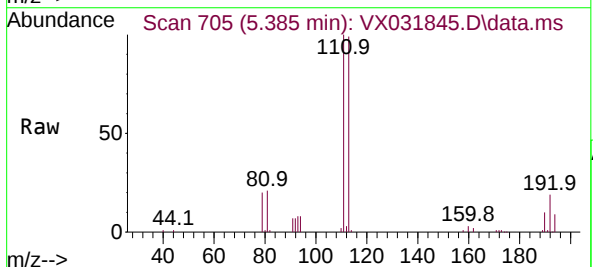
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 MSVOA_X
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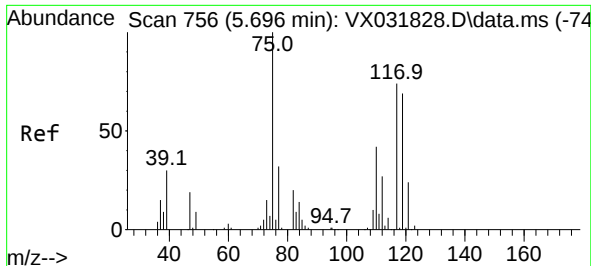
Tgt Ion:114 Resp: 121997
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 42.6
 88 14.5 0.0 33.0



#35
 Dibromofluoromethane
 Concen: 47.703 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. -0.000 min
 Lab File: VX031845.D
 Acq: 03 Oct 2022 19:48

Tgt Ion:113 Resp: 69144
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.4 123.6
 192 19.8 14.1 21.1

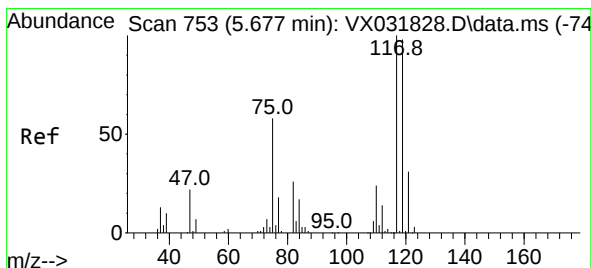
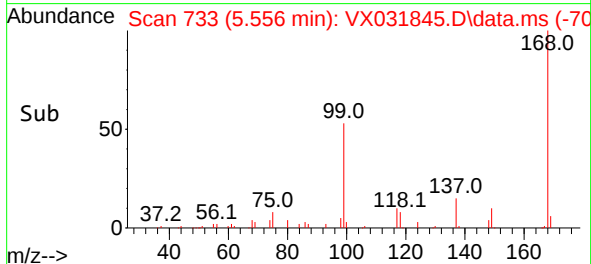
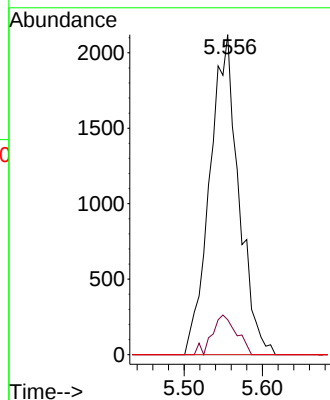
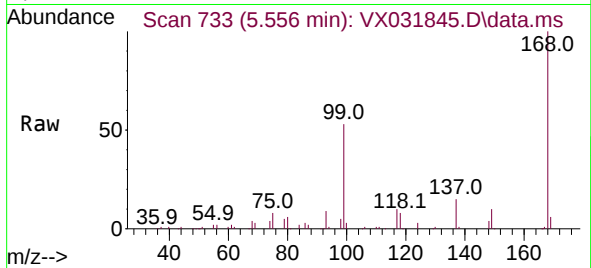




#36
1,1-Dichloropropene
Concen: 3.027 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

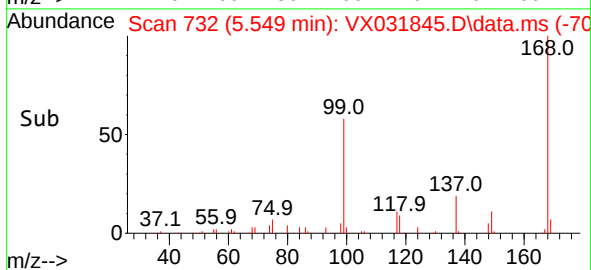
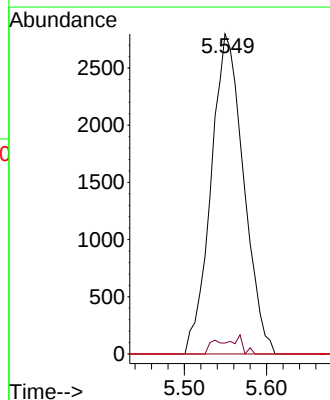
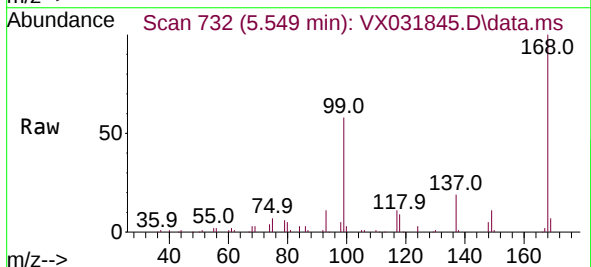
Instrument :
MSVOA_X
ClientSampleId :

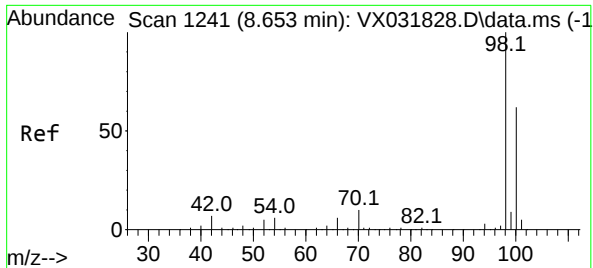
Tgt Ion: 75 Resp: 5441
Ion Ratio Lower Upper
75 100
110 10.4 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.460 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.129 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

Tgt Ion: 117 Resp: 7720
Ion Ratio Lower Upper
117 100
119 3.4 74.6 112.0#
121 0.0 25.3 37.9#

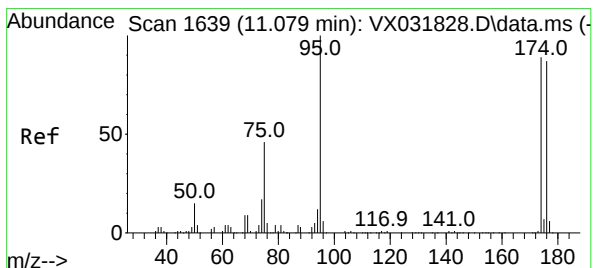
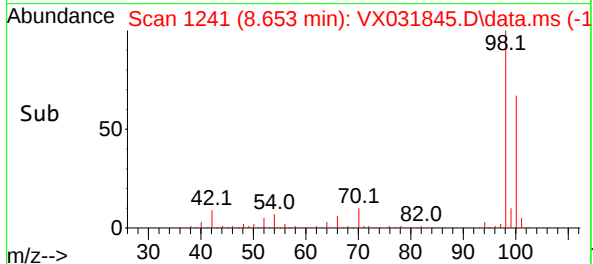
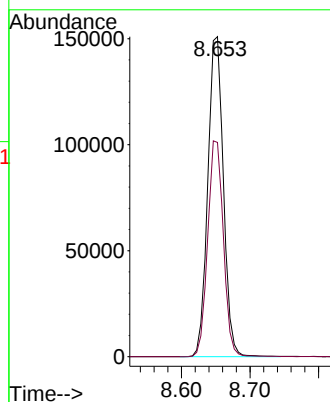
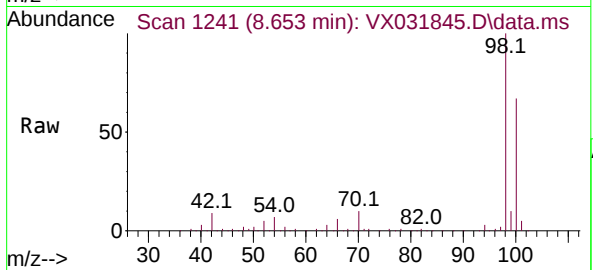




#50
Toluene-d8
Concen: 46.200 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

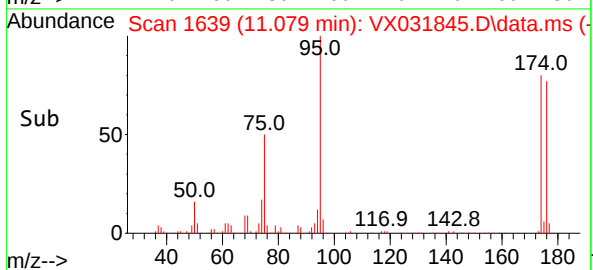
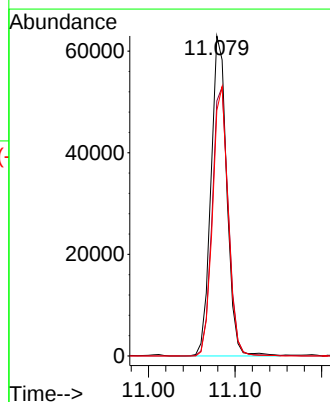
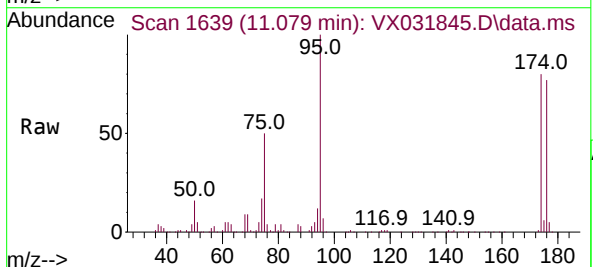
Instrument :
MSVOA_X
ClientSampleId :

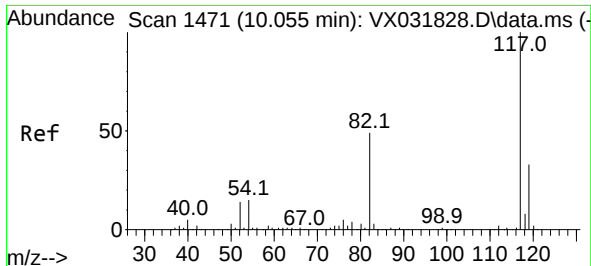
Tgt Ion: 98 Resp: 239557
Ion Ratio Lower Upper
98 100
100 67.8 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 42.962 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

Tgt Ion: 95 Resp: 80219
Ion Ratio Lower Upper
95 100
174 85.5 0.0 153.2
176 82.7 0.0 144.0

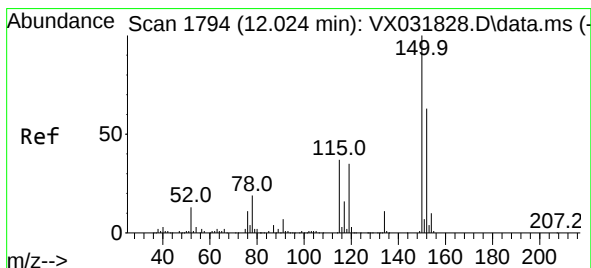
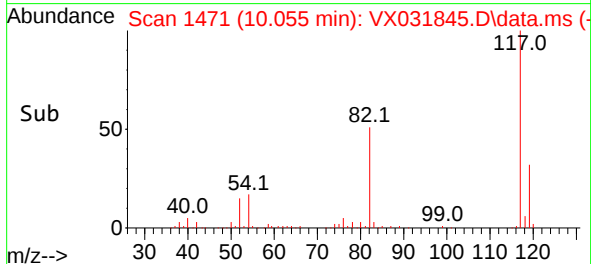
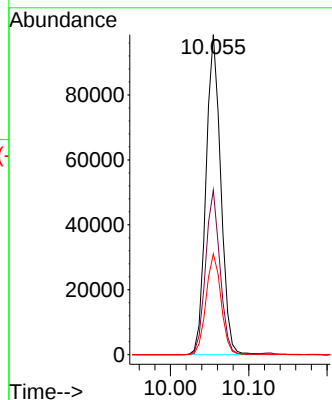
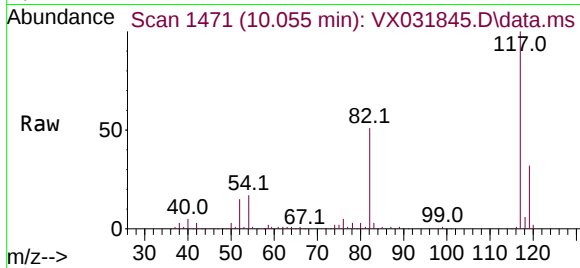




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

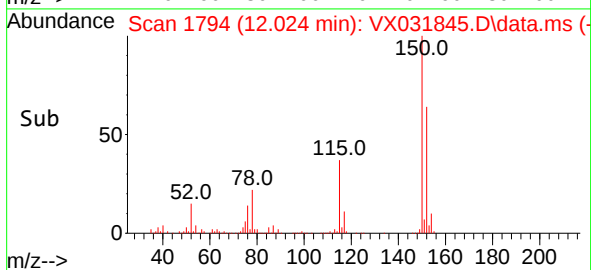
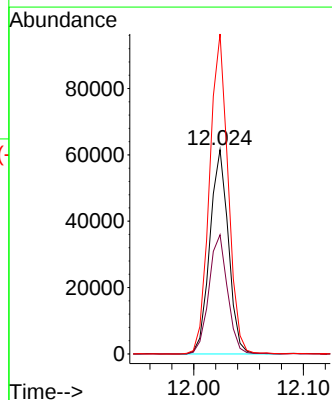
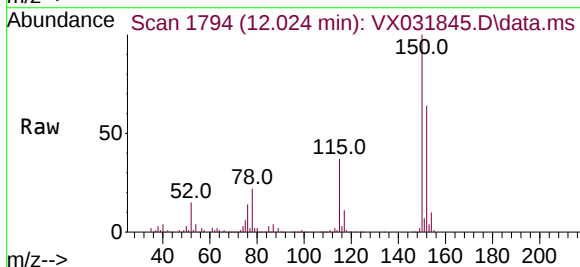
Instrument :
MSVOA_X
ClientSampleId :

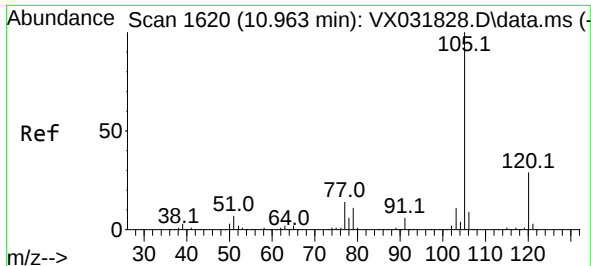
Tgt Ion:117 Resp: 128875
Ion Ratio Lower Upper
117 100
82 51.4 46.8 70.2
119 31.5 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

Tgt Ion:152 Resp: 72222
Ion Ratio Lower Upper
152 100
115 58.7 43.4 130.1
150 156.9 0.0 346.8

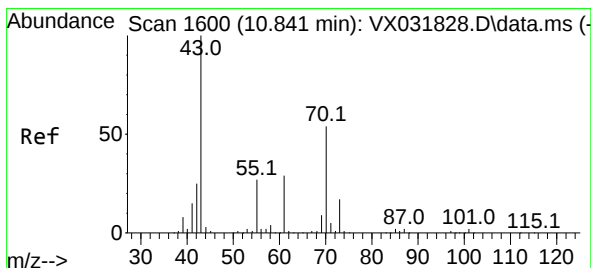
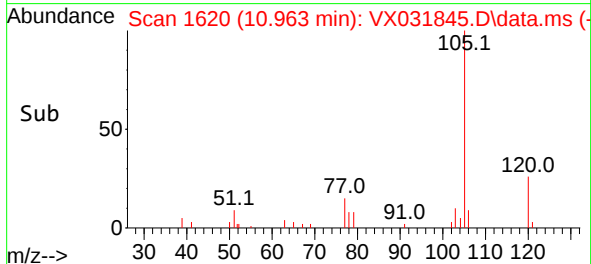
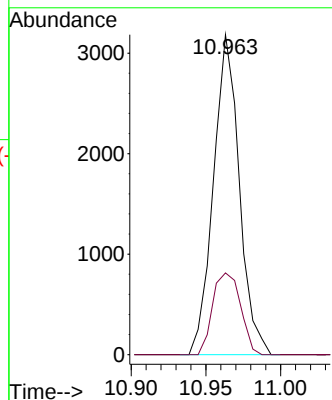
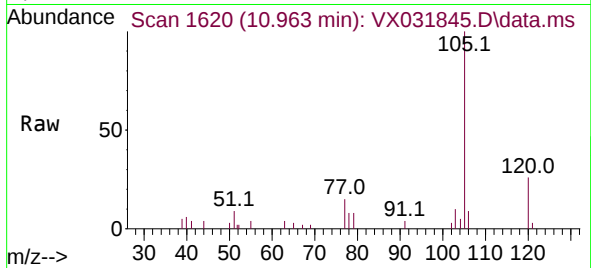




#73
Isopropylbenzene
Concen: 0.750 ug/l
RT: 10.963 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

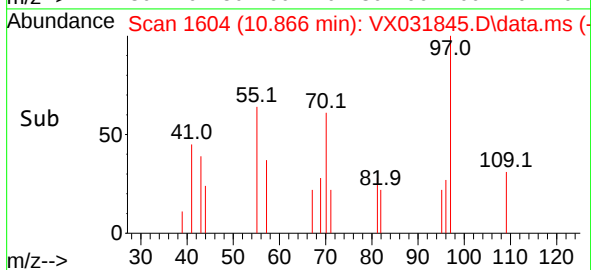
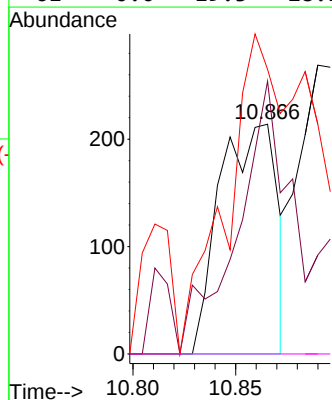
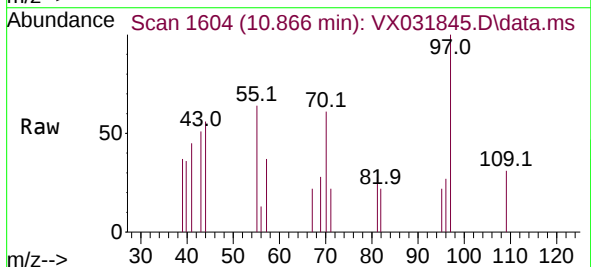
Instrument :
MSVOA_X
ClientSampleId :

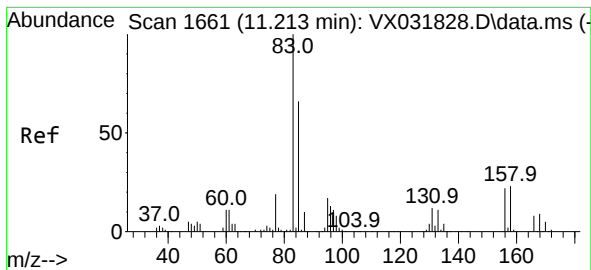
Tgt Ion:105 Resp: 3828
Ion Ratio Lower Upper
105 100
120 27.5 13.7 41.0



#74
N-ethyl acetate
Concen: 0.349 ug/l
RT: 10.866 min Scan# 1604
Delta R.T. 0.018 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

Tgt Ion: 43 Resp: 417
Ion Ratio Lower Upper
43 100
70 133.8 33.4 50.2#
55 220.1 18.2 27.2#
61 0.0 19.3 28.9#

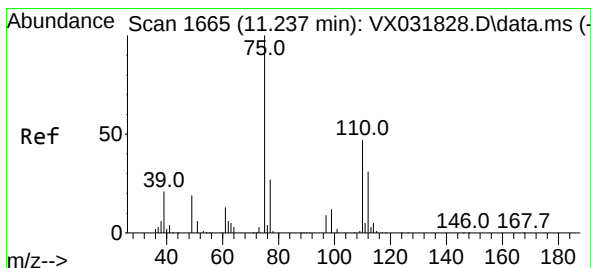
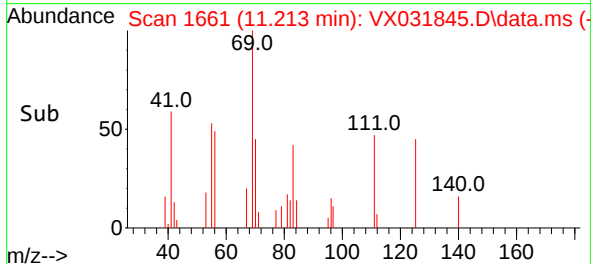
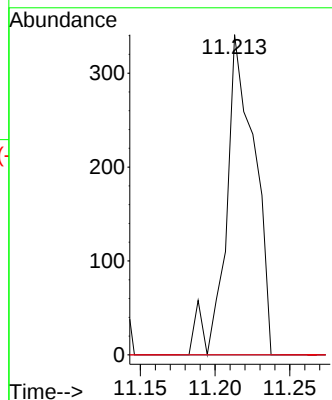
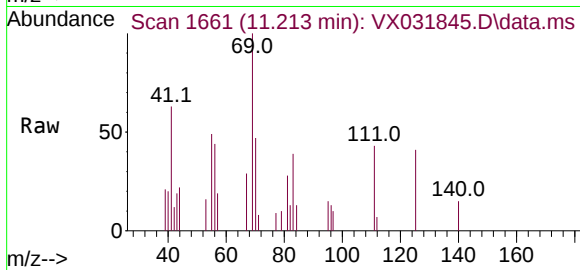




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.311 ug/l
 RT: 11.213 min Scan# 1661
 Delta R.T. 0.000 min
 Lab File: VX031845.D
 Acq: 03 Oct 2022 19:48

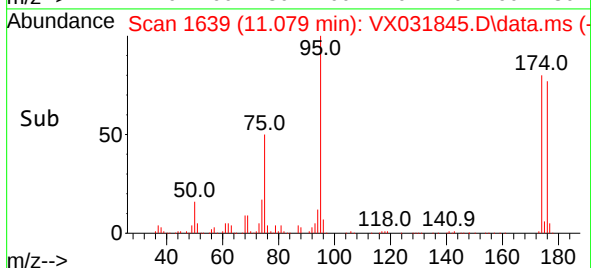
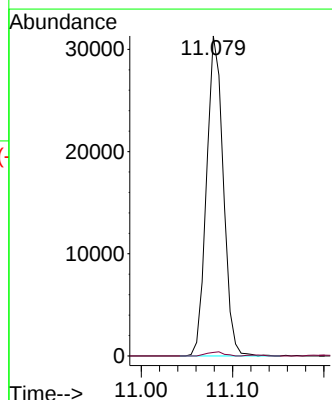
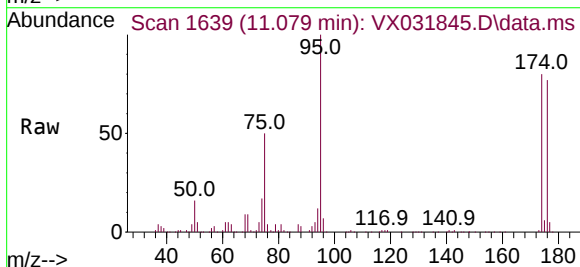
Instrument :
 MSVOA_X
 ClientSampleId :

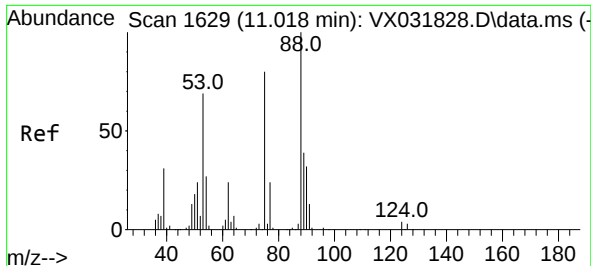
Tgt Ion: 83 Resp: 451
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.4#
 85 0.0 32.6 97.8#



#76
 1,2,3-Trichloropropane
 Concen: 30.181 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX031845.D
 Acq: 03 Oct 2022 19:48

Tgt Ion: 75 Resp: 39658
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.3 60.9#

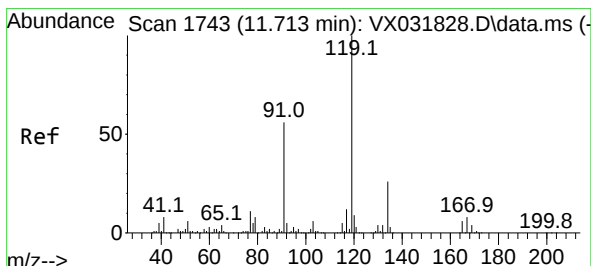
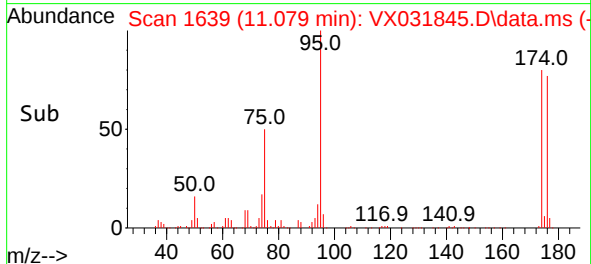
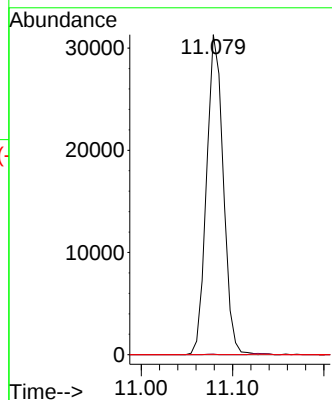
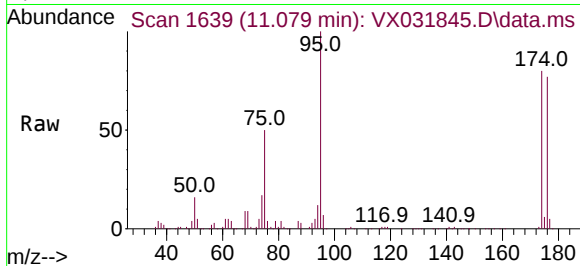




#81
trans-1,4-Dichloro-2-butene
Concen: 103.607 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

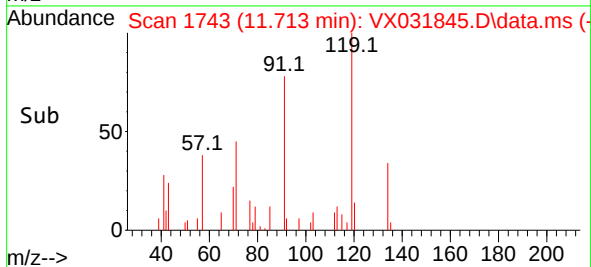
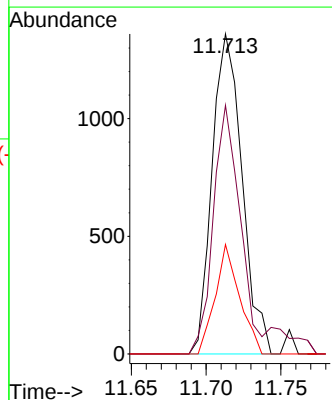
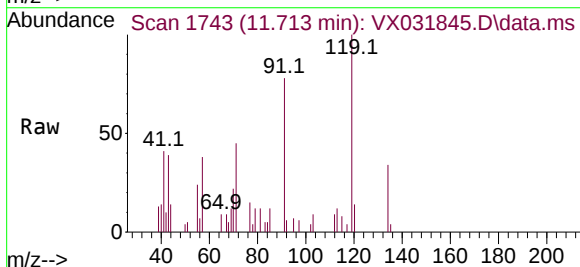
Instrument :
MSVOA_X
ClientSampleId :

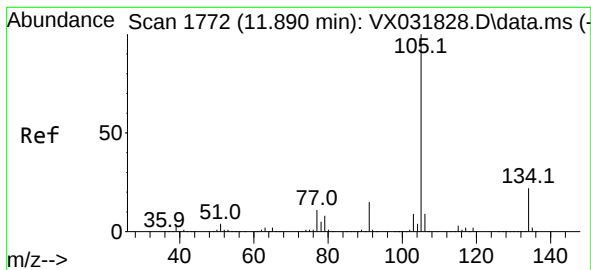
Tgt Ion: 75 Resp: 39658
Ion Ratio Lower Upper
75 100
53 0.1 77.6 116.4#
89 0.0 37.4 56.0#



#83
tert-Butylbenzene
Concen: 0.439 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

Tgt Ion: 119 Resp: 1892
Ion Ratio Lower Upper
119 100
91 69.5 29.2 87.6
134 27.9 11.6 34.8





#85

sec-Butylbenzene

Concen: 0.858 ug/l

RT: 11.890 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031845.D

Acq: 03 Oct 2022 19:48

Instrument :

MSVOA_X

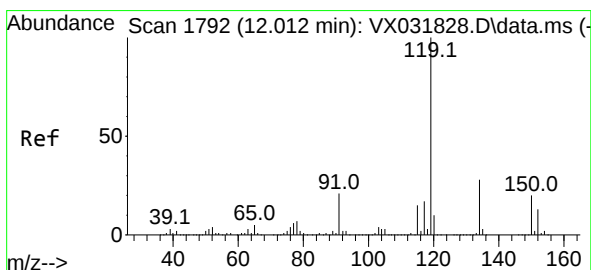
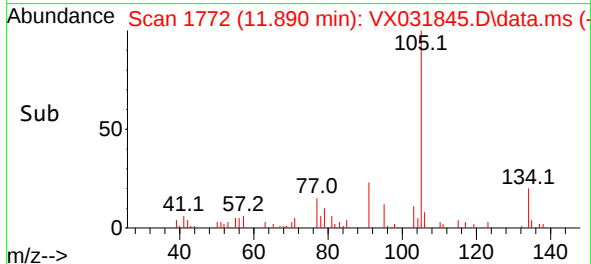
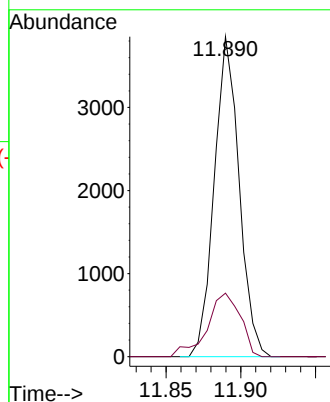
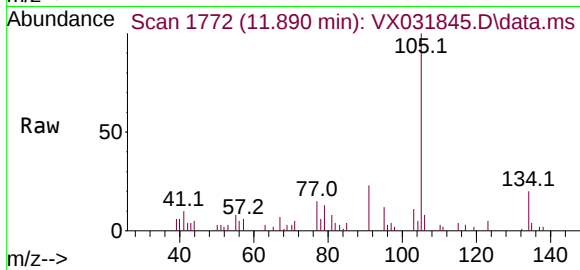
ClientSampleId :

Tgt Ion:105 Resp: 4449

Ion Ratio Lower Upper

105 100

134 26.5 10.4 31.1



#86

p-Isopropyltoluene

Concen: 2.517 ug/l

RT: 12.176 min Scan# 1819

Delta R.T. 0.164 min

Lab File: VX031845.D

Acq: 03 Oct 2022 19:48

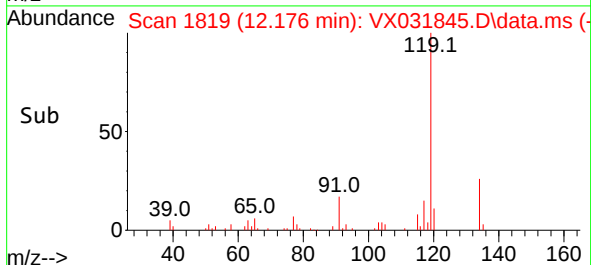
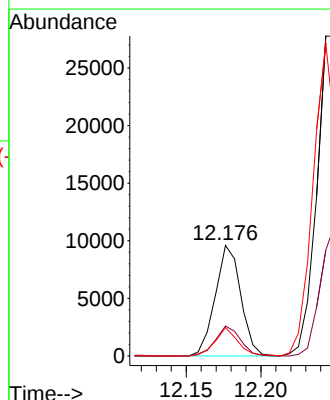
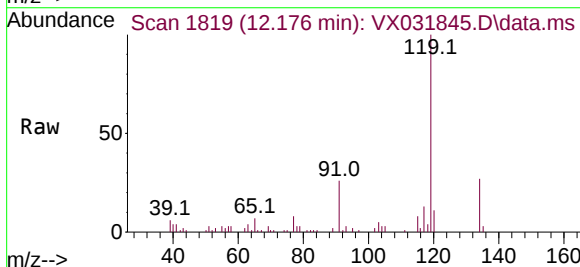
Tgt Ion:119 Resp: 11384

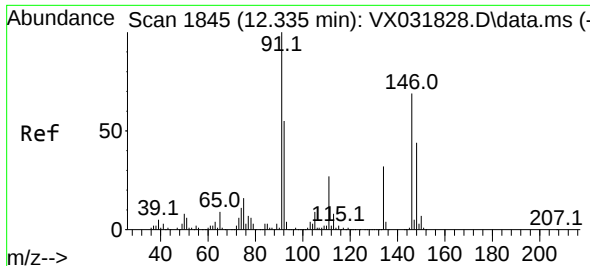
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

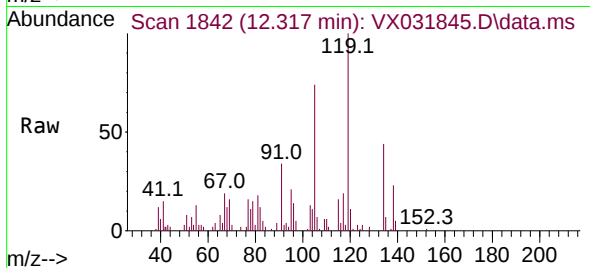
91 23.0 12.4 37.2



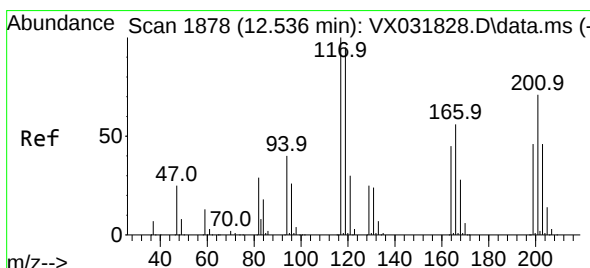
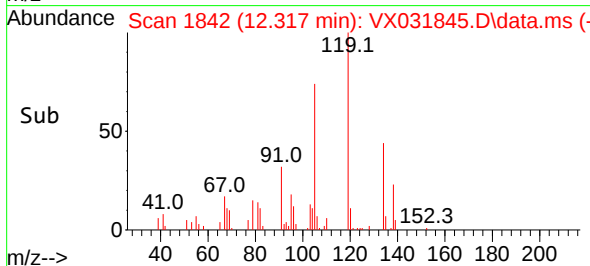
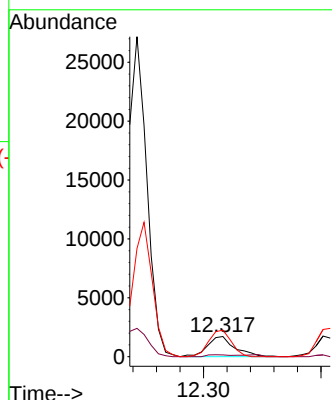


#89
n-Butylbenzene
Concen: 0.781 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.019 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

Instrument :
MSVOA_X
ClientSampleId :

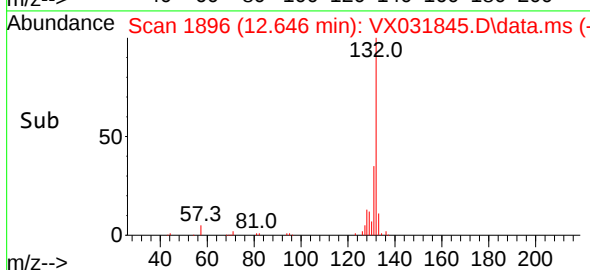
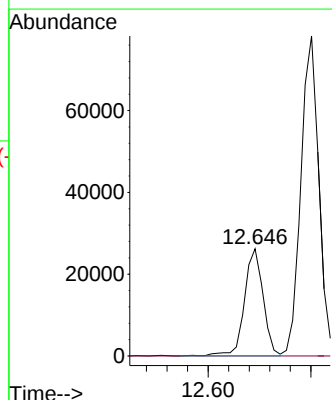
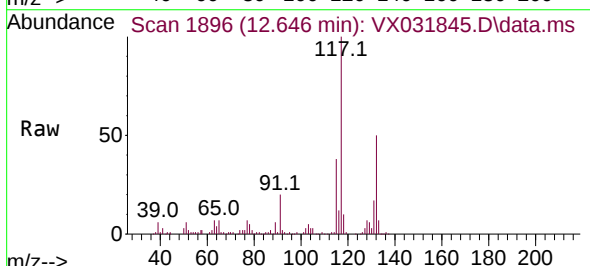


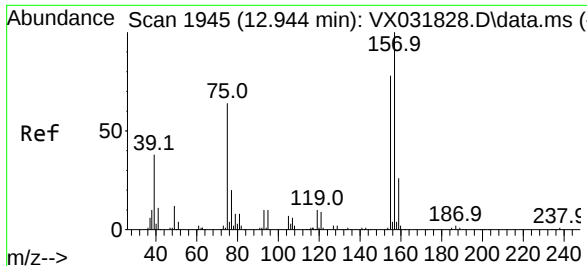
Tgt Ion: 91 Resp: 2789
Ion Ratio Lower Upper
91 100
92 9.2 27.0 81.0#
134 108.7 13.3 39.9#



#90
Hexachloroethane
Concen: 40.546 ug/l
RT: 12.646 min Scan# 1896
Delta R.T. 0.104 min
Lab File: VX031845.D
Acq: 03 Oct 2022 19:48

Tgt Ion: 117 Resp: 33087
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.688 ug/l
 RT: 13.030 min Scan# 1959
 Delta R.T. 0.085 min
 Lab File: VX031845.D
 Acq: 03 Oct 2022 19:48

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 210
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.3 120.8#
 157 0.0 51.5 154.5#

