

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031848.D
 Acq On : 03 Oct 2022 20:58
 Operator : JC/MD
 Sample : N4860-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 07:12:56 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)

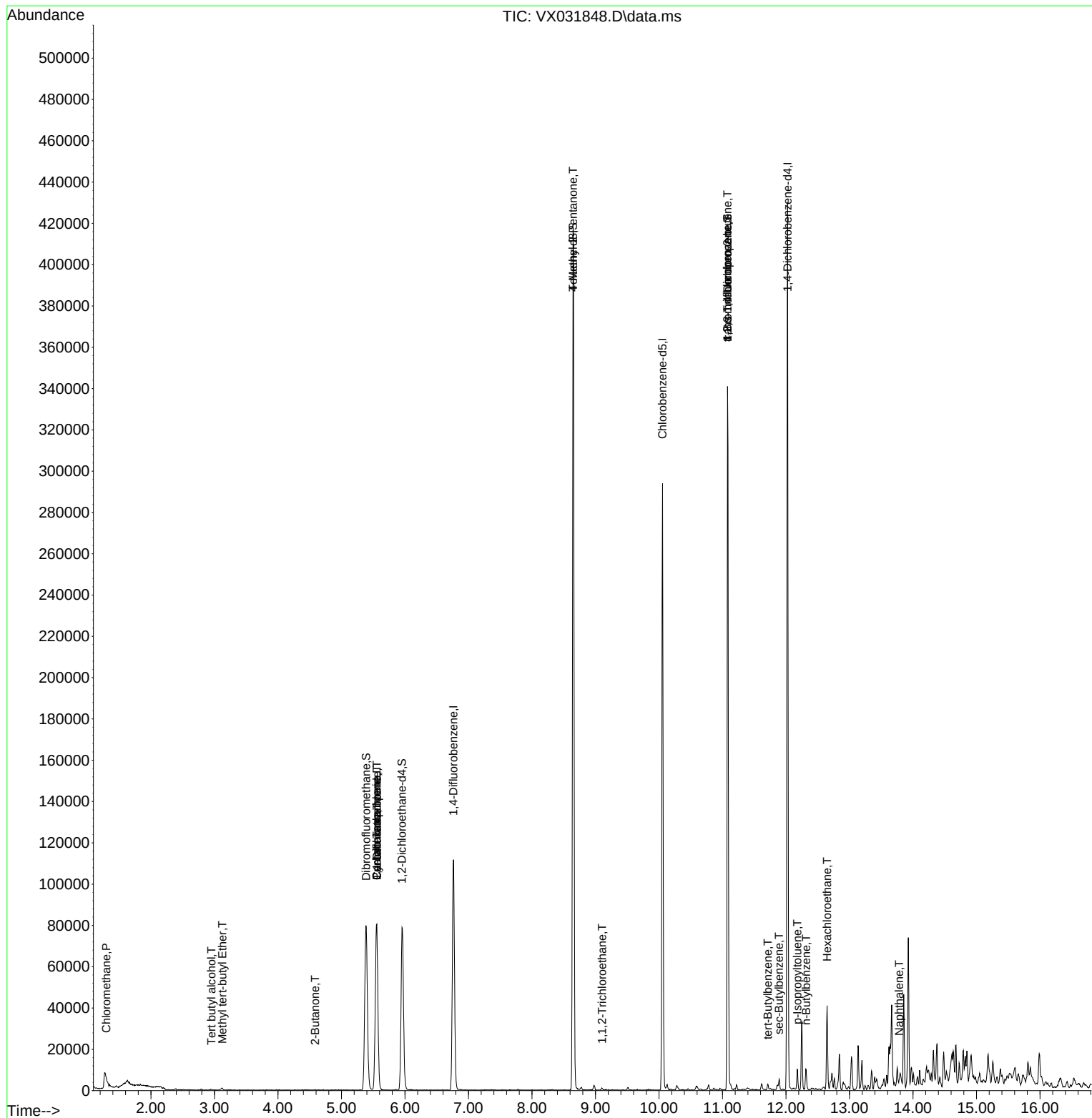
Internal Standards						
1) Pentafluorobenzene	5.556	168	80252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	123140	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	135148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76573	53.259	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.520%	
35) Dibromofluoromethane	5.385	113	70352	48.086	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.180%	
50) Toluene-d8	8.647	98	256563	49.021	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.040%	
62) 4-Bromofluorobenzene	11.079	95	89148	47.300	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	378	0.348	ug/l #	41
5) Bromomethane	1.618	94	362	Below Cal		82
6) Chloroethane	1.764	64	242	Below Cal	#	50
11) Tert butyl alcohol	2.953	59	145	0.724	ug/l #	73
16) Acetone	2.380	43	594	Below Cal	#	80
17) Carbon Disulfide	2.514	76	310	Below Cal	#	75
19) Methyl tert-butyl Ether	3.123	73	1329	0.364	ug/l #	54
25) 2-Butanone	4.587	43	133	0.202	ug/l #	49
31) Cyclohexane	5.556	56	1384	0.808	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	5644	3.111	ug/l #	49
38) Carbon Tetrachloride	5.556	117	8172	3.629	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	859	0.616	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	565	0.386	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	43845	26.386	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	43845	90.581	ug/l #	11
83) tert-Butylbenzene	11.713	119	1341	0.246	ug/l	96
85) sec-Butylbenzene	11.890	105	2755	0.420	ug/l #	71
86) p-Isopropyltoluene	12.177	119	4705	0.822	ug/l	97
89) n-Butylbenzene	12.317	91	1045	0.231	ug/l #	18
90) Hexachloroethane	12.646	117	13184	12.776	ug/l #	15
95) Naphthalene	13.780	128	1833	0.299	ug/l #	62

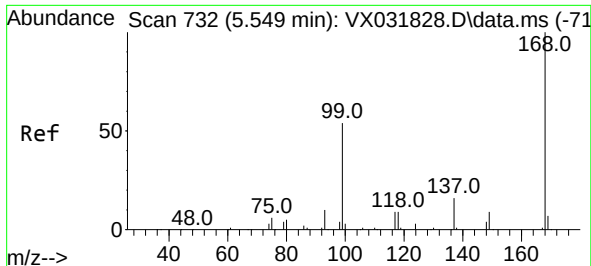
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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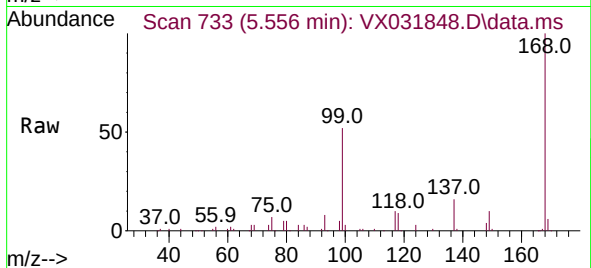
Quant Time: Oct 04 07:12:56 2022
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QLast Update : Tue Oct 04 06:59:30 2022
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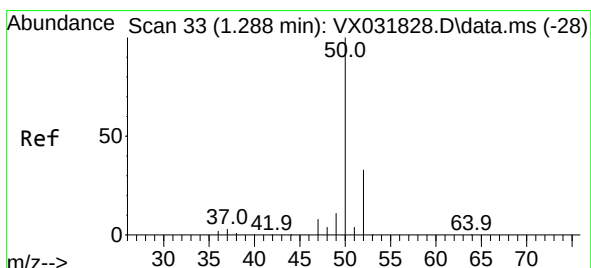
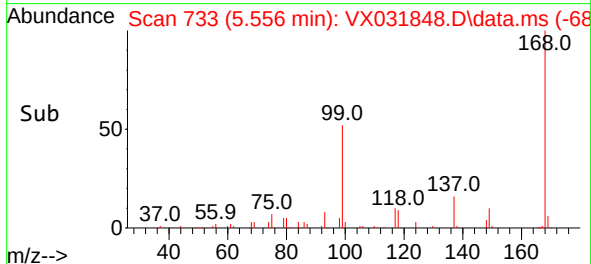
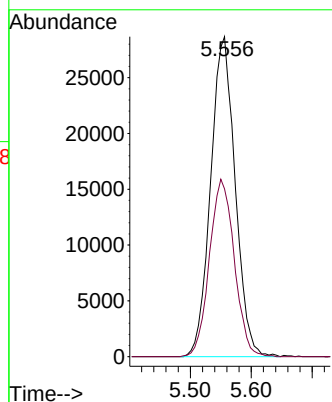


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

Instrument :
MSVOA_X
ClientSampleId :

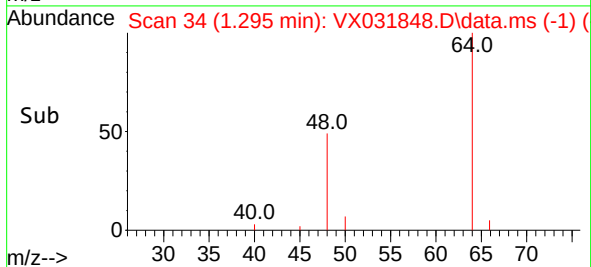
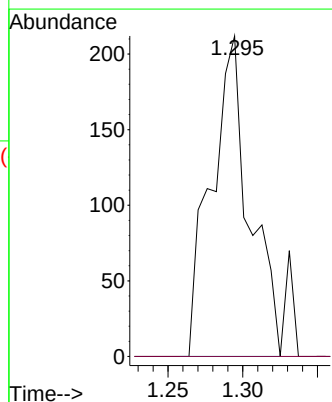
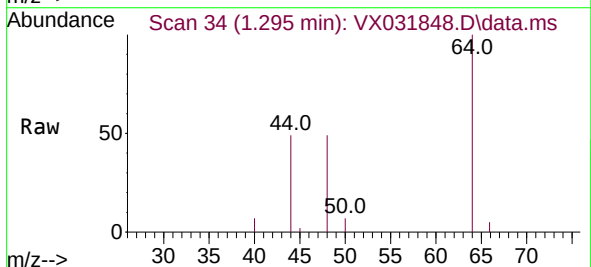


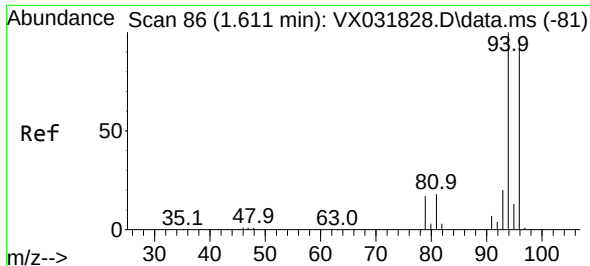
Tgt Ion:168 Resp: 80252
Ion Ratio Lower Upper
168 100
99 52.4 48.8 73.2



#3
Chloromethane
Concen: 0.348 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

Tgt Ion: 50 Resp: 378
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

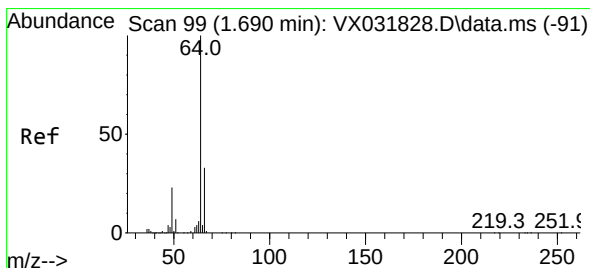
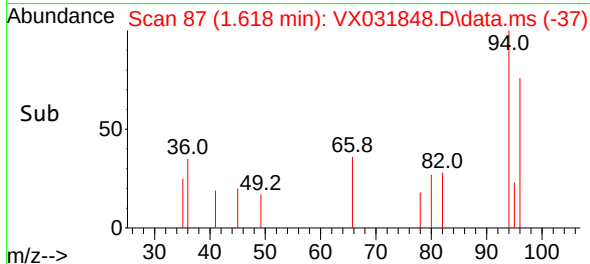
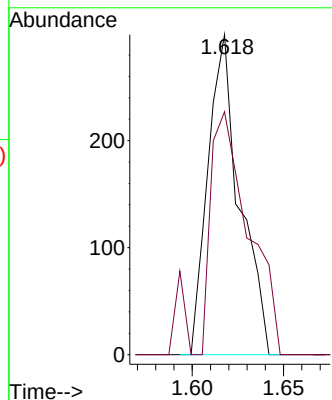
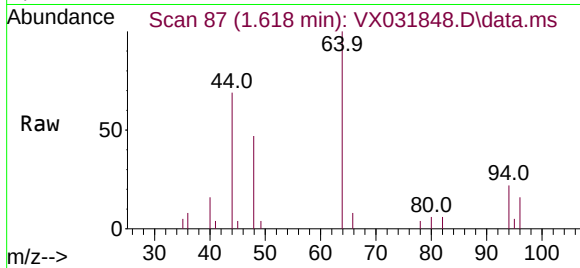




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

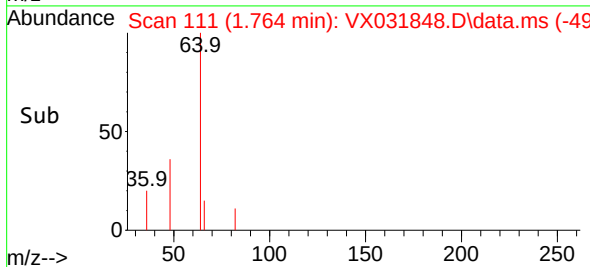
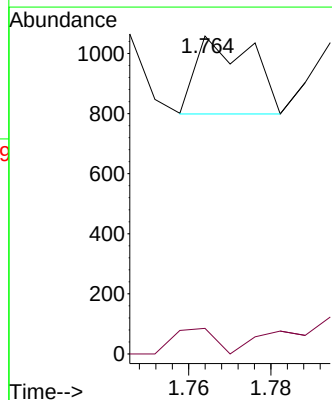
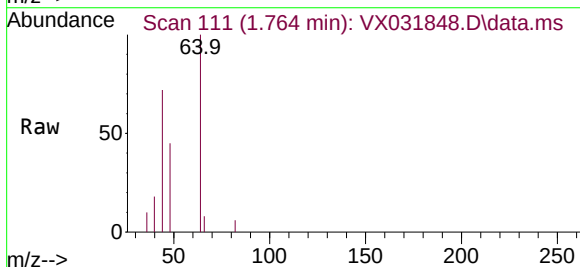
Instrument :
MSVOA_X
ClientSampleId :

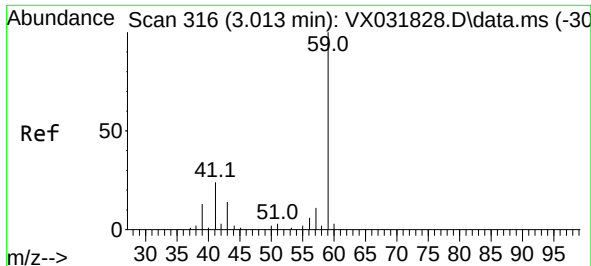
Tgt Ion: 94 Resp: 362
Ion Ratio Lower Upper
94 100
96 75.9 74.4 111.6



#6
Chloroethane
Concen: Below Cal
RT: 1.764 min Scan# 111
Delta R.T. 0.079 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

Tgt Ion: 64 Resp: 242
Ion Ratio Lower Upper
64 100
66 3.5 25.0 37.4#





#11

Tert butyl alcohol

Concen: 0.724 ug/l

RT: 2.953 min Scan# 30

Delta R.T. -0.128 min

Lab File: VX031848.D

Acq: 03 Oct 2022 20:58

Instrument :

MSVOA_X

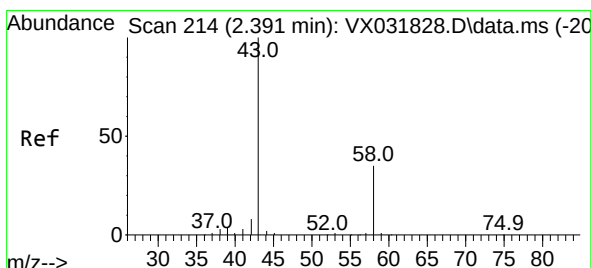
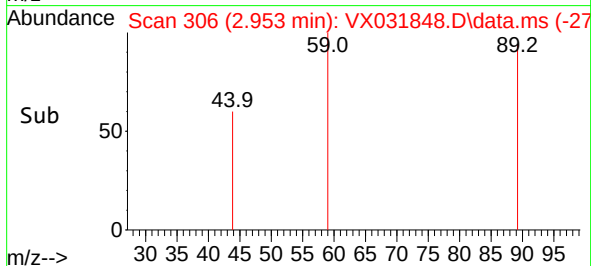
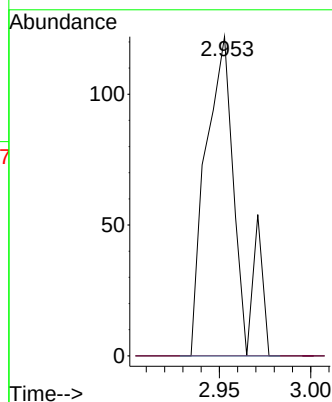
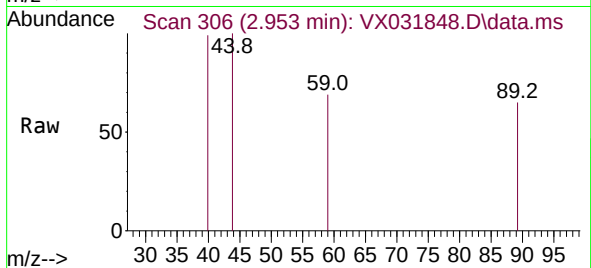
ClientSampleId :

Tgt Ion: 59 Resp: 145

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX031848.D

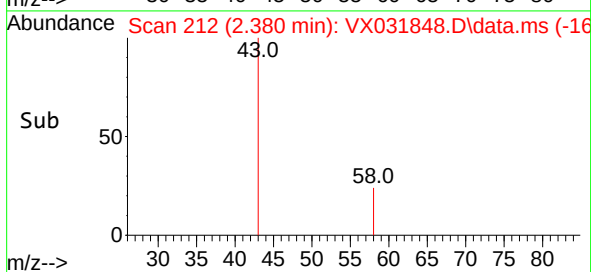
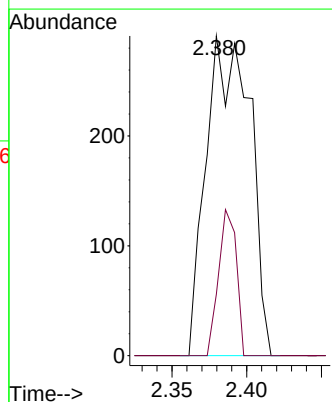
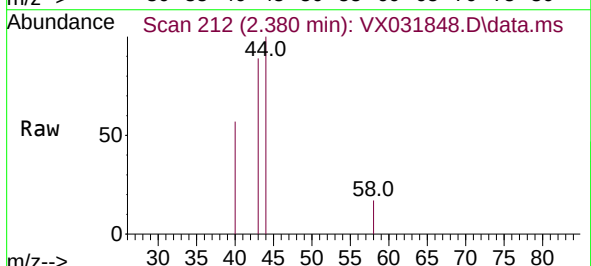
Acq: 03 Oct 2022 20:58

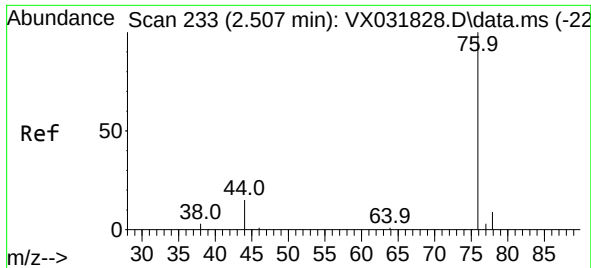
Tgt Ion: 43 Resp: 594

Ion Ratio Lower Upper

43 100

58 19.2 23.8 35.8#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

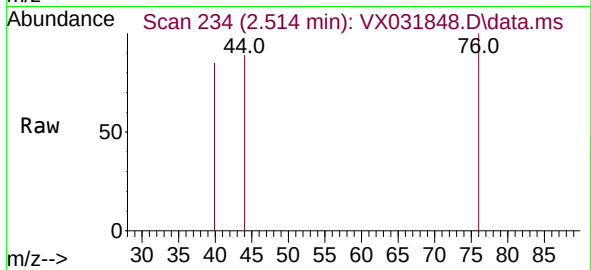
Lab File: VX031848.D

Acq: 03 Oct 2022 20:58

Instrument :

MSVOA_X

ClientSampleId :

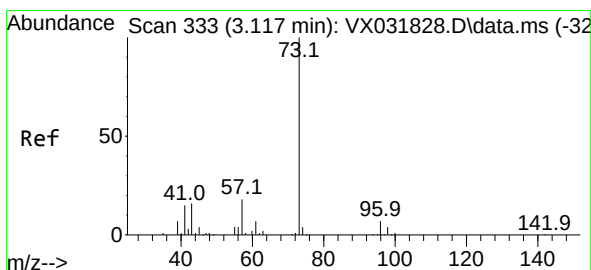
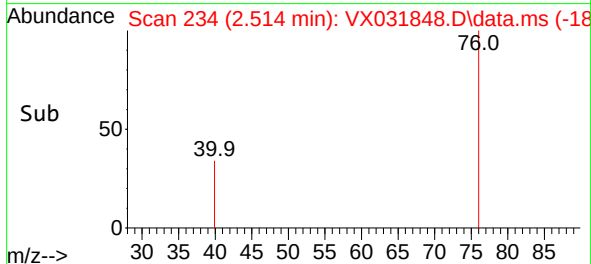
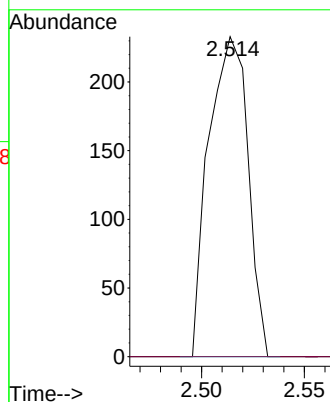


Tgt Ion: 76 Resp: 310

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#19

Methyl tert-butyl Ether

Concen: 0.364 ug/l

RT: 3.123 min Scan# 334

Delta R.T. 0.012 min

Lab File: VX031848.D

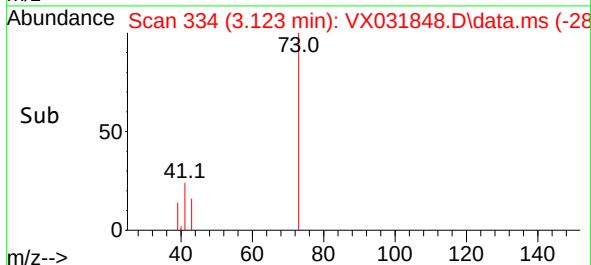
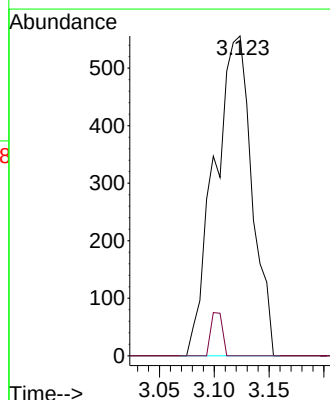
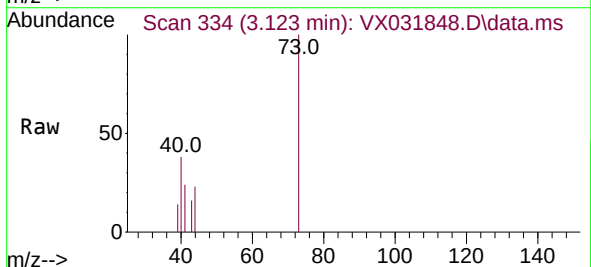
Acq: 03 Oct 2022 20:58

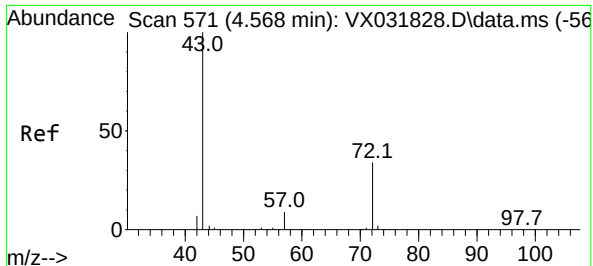
Tgt Ion: 73 Resp: 1329

Ion Ratio Lower Upper

73 100

57 0.0 17.2 25.8#





#25

2-Butanone

Concen: 0.202 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.019 min

Lab File: VX031848.D

Acq: 03 Oct 2022 20:58

Instrument :

MSVOA_X

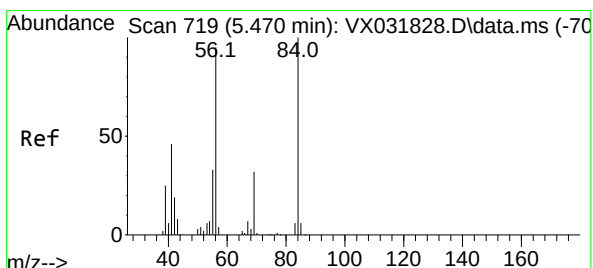
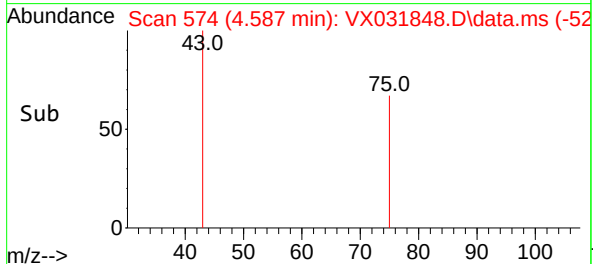
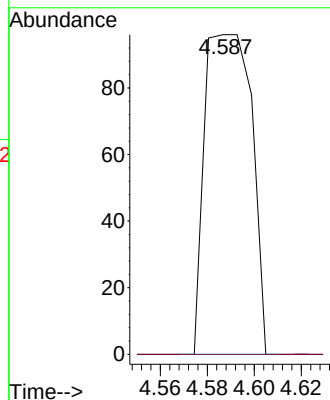
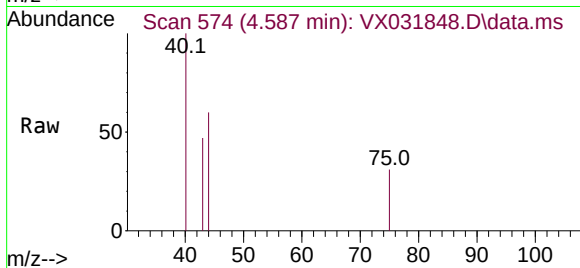
ClientSampleId :

Tgt Ion: 43 Resp: 133

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#31

Cyclohexane

Concen: 0.808 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX031848.D

Acq: 03 Oct 2022 20:58

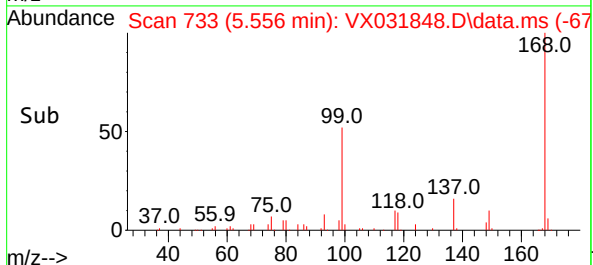
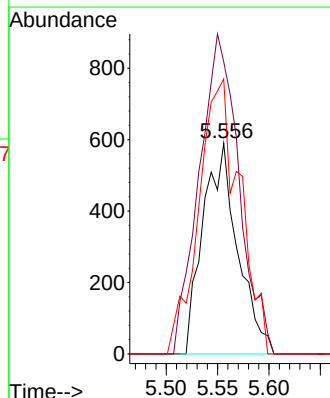
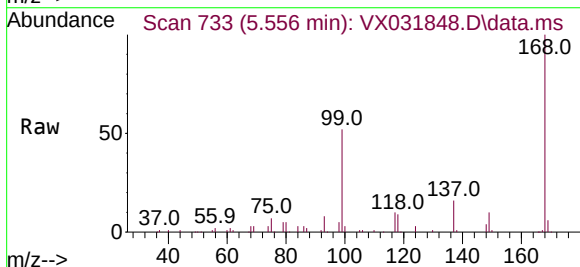
Tgt Ion: 56 Resp: 1384

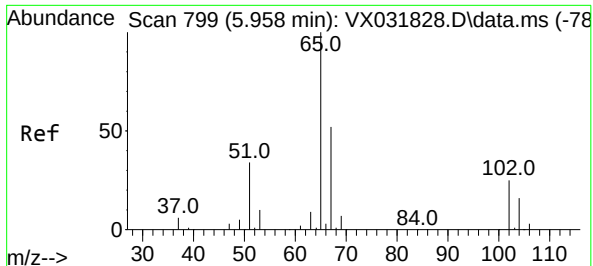
Ion Ratio Lower Upper

56 100

69 138.6 25.1 37.7#

84 130.5 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 53.259 ug/l

RT: 5.952 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031848.D

Acq: 03 Oct 2022 20:58

Instrument :

MSVOA_X

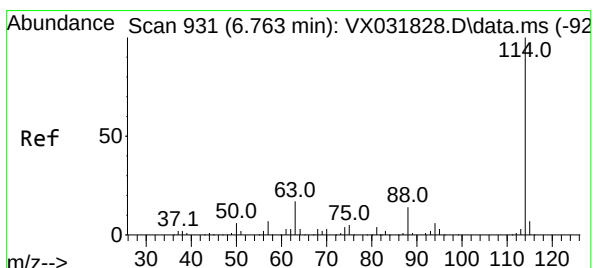
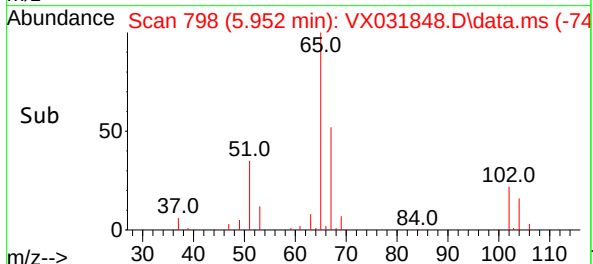
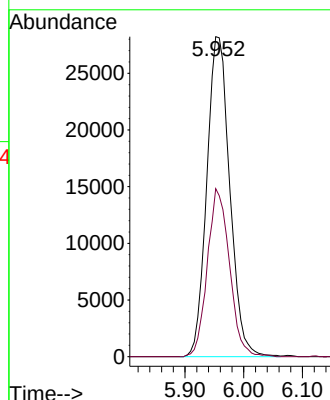
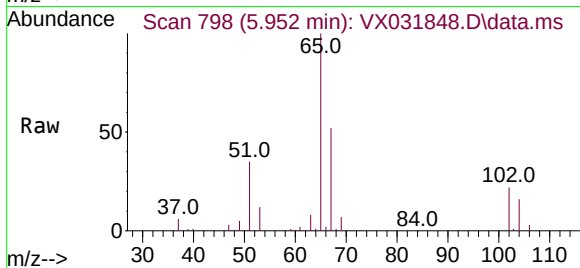
ClientSampleId :

Tgt Ion: 65 Resp: 76573

Ion Ratio Lower Upper

65 100

67 50.6 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: VX031848.D

Acq: 03 Oct 2022 20:58

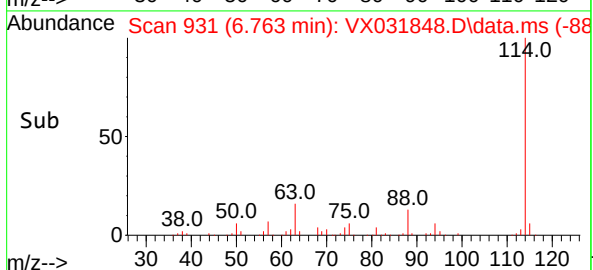
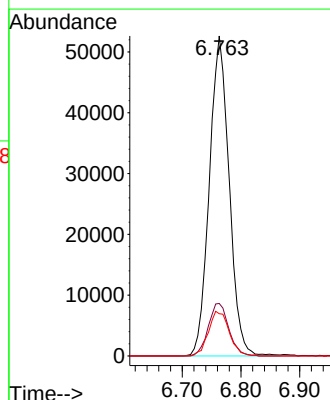
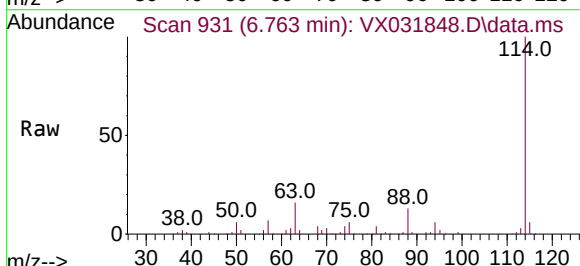
Tgt Ion: 114 Resp: 123140

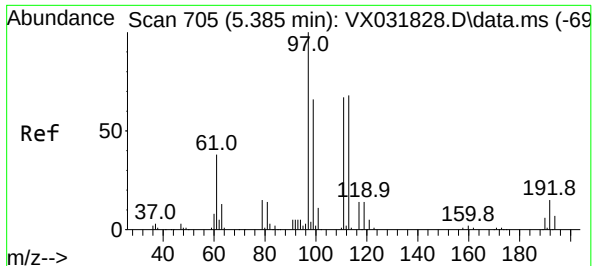
Ion Ratio Lower Upper

114 100

63 16.4 0.0 42.6

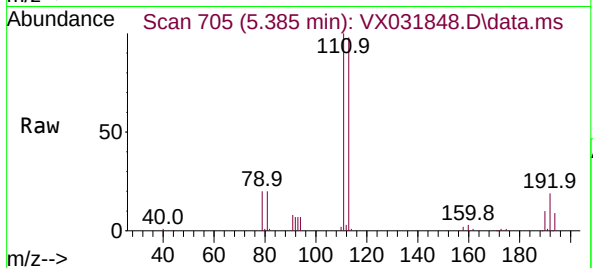
88 13.2 0.0 33.0



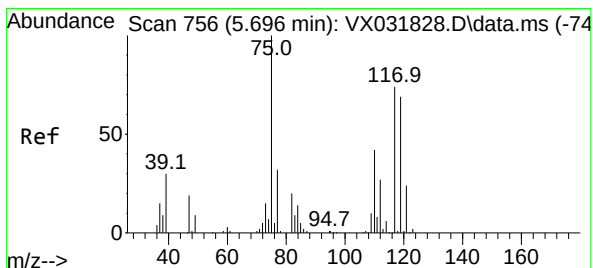
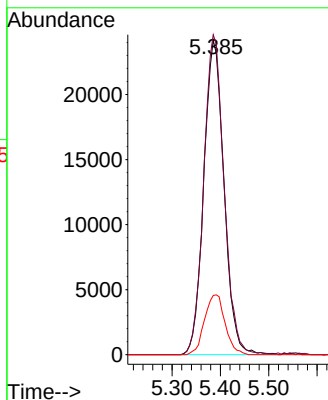
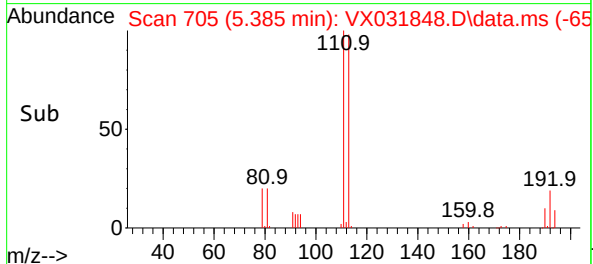


#35
Dibromofluoromethane
Concen: 48.086 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

Instrument :
MSVOA_X
ClientSampleId :

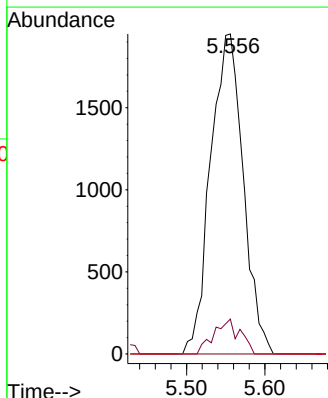
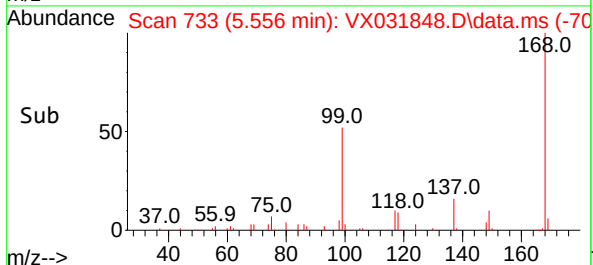
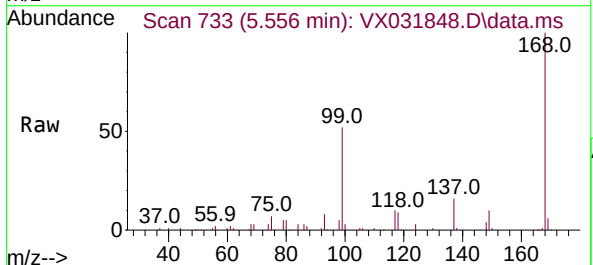


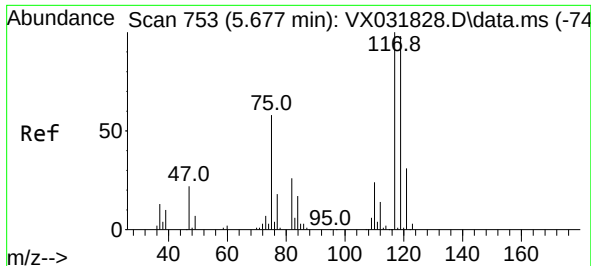
Tgt Ion:113 Resp: 70352
Ion Ratio Lower Upper
113 100
111 102.1 82.4 123.6
192 19.3 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.111 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

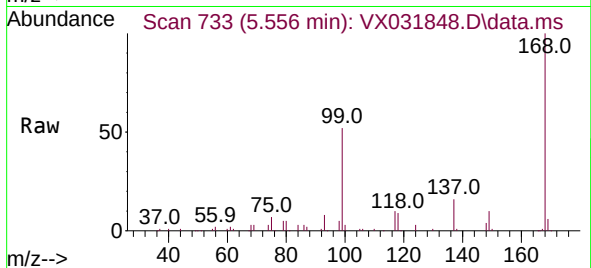
Tgt Ion: 75 Resp: 5644
Ion Ratio Lower Upper
75 100
110 8.7 17.5 52.5#
77 0.0 24.9 37.3#



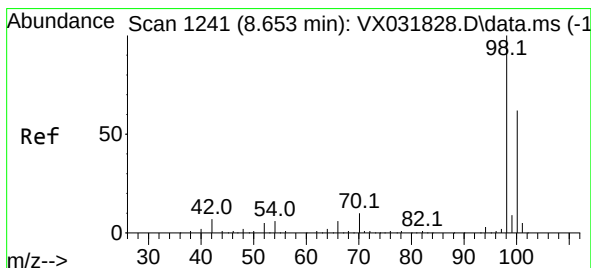
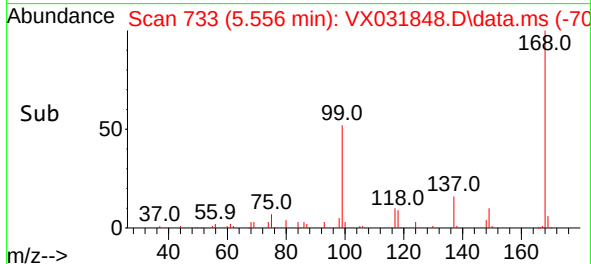
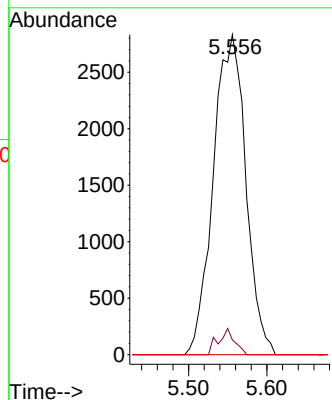


#38
Carbon Tetrachloride
Concen: 3.629 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

Instrument :
MSVOA_X
ClientSampleId :

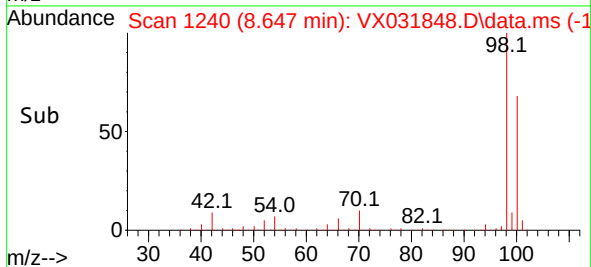
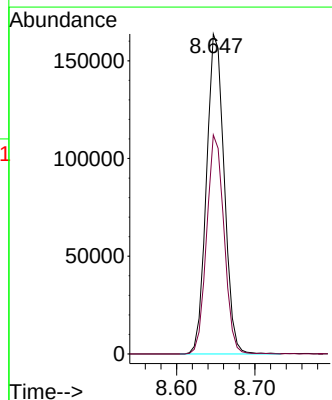
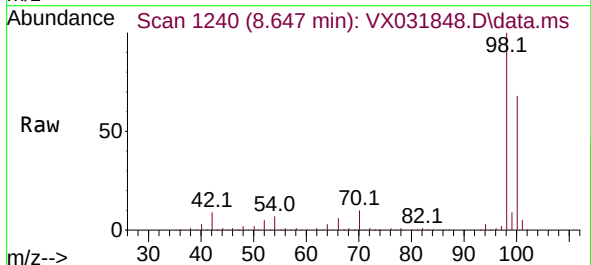


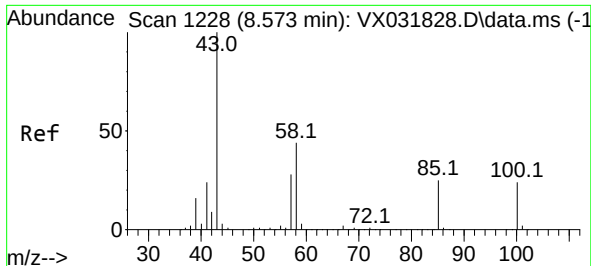
Tgt Ion:117 Resp: 8172
Ion Ratio Lower Upper
117 100
119 4.6 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 49.021 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

Tgt Ion: 98 Resp: 256563
Ion Ratio Lower Upper
98 100
100 67.1 52.5 78.7

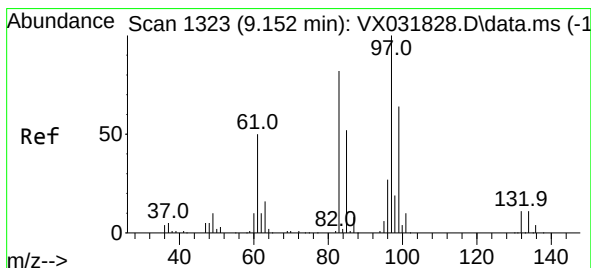
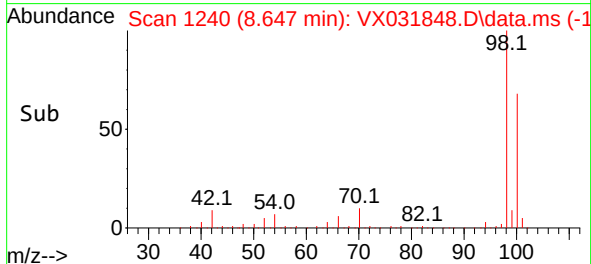
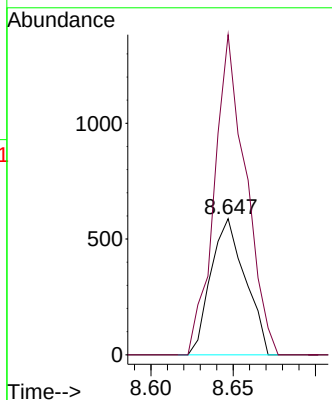
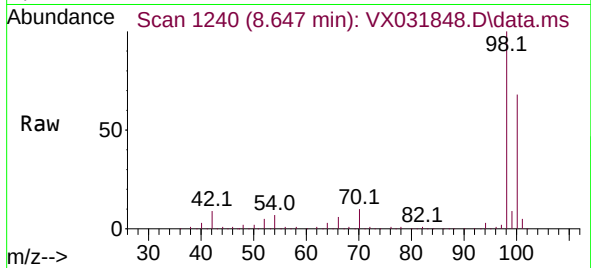




#51
4-Methyl-2-Pentanone
Concen: 0.616 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

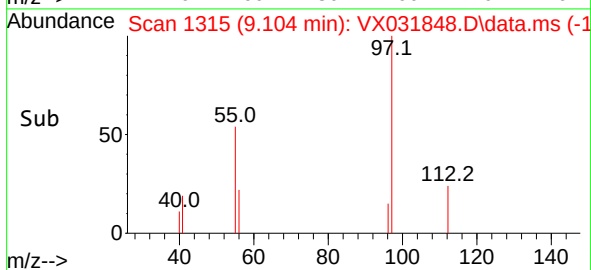
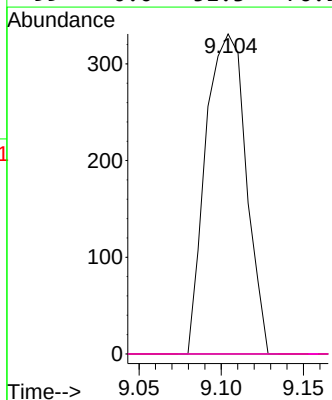
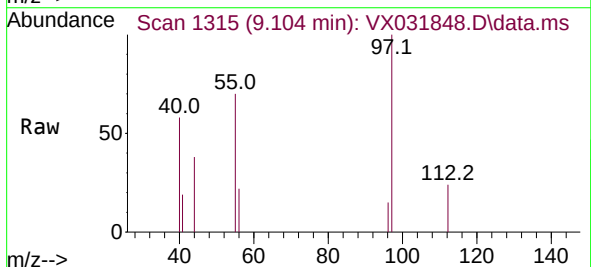
Instrument :
MSVOA_X
ClientSampleId :

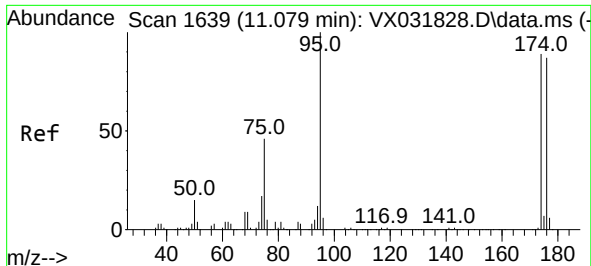
Tgt Ion: 43 Resp: 859
Ion Ratio Lower Upper
43 100
58 215.1 30.6 46.0#



#55
1,1,2-Trichloroethane
Concen: 0.386 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

Tgt Ion: 97 Resp: 565
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: 47.300 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031848.D

Acq: 03 Oct 2022 20:58

Instrument :

MSVOA_X

ClientSampleId :

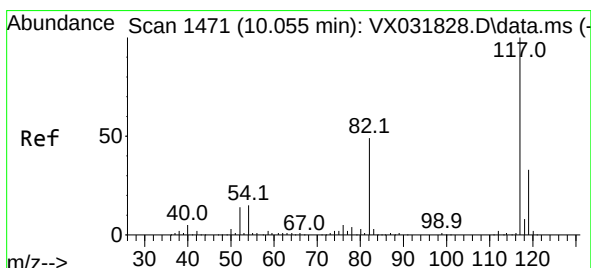
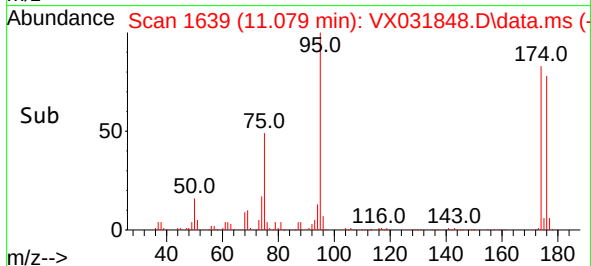
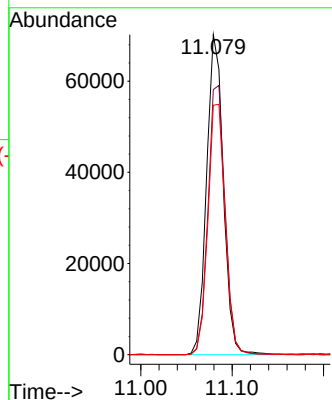
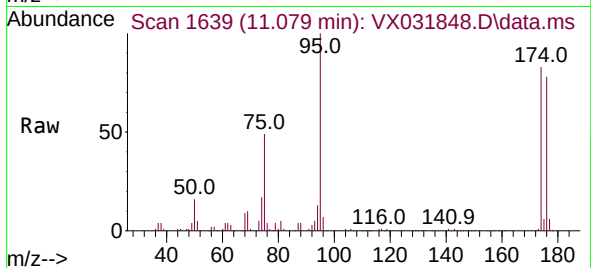
Tgt Ion: 95 Resp: 89148

Ion Ratio Lower Upper

95 100

174 86.5 0.0 153.2

176 81.3 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: VX031848.D

Acq: 03 Oct 2022 20:58

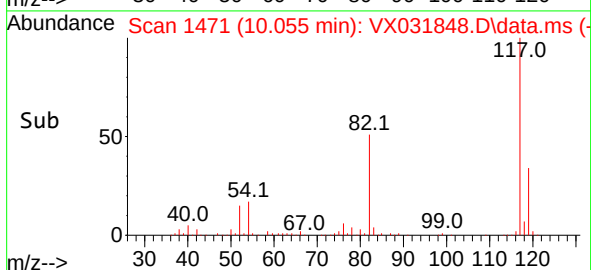
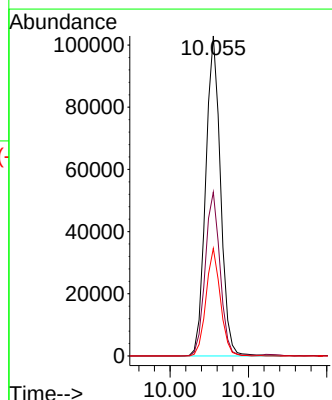
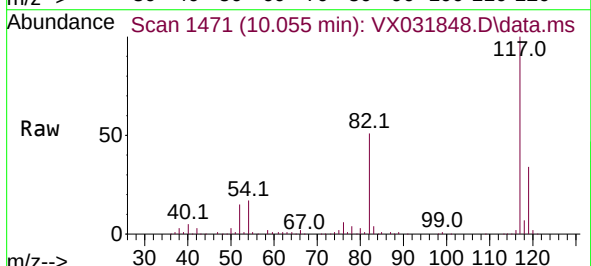
Tgt Ion: 117 Resp: 135148

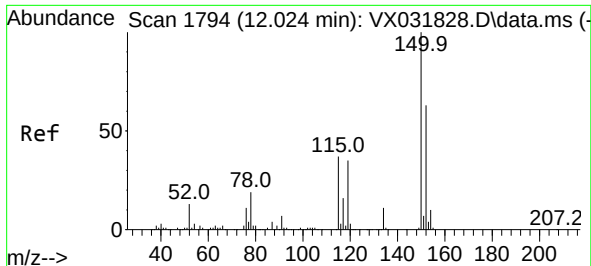
Ion Ratio Lower Upper

117 100

82 51.2 46.8 70.2

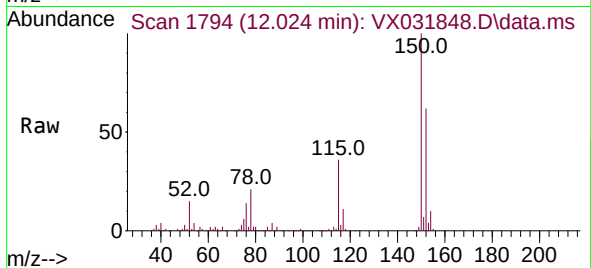
119 33.6 26.4 39.6



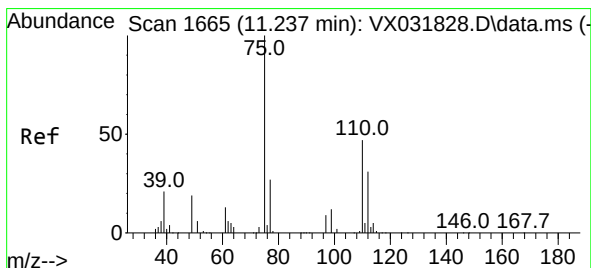
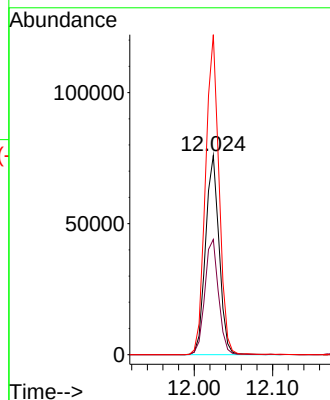
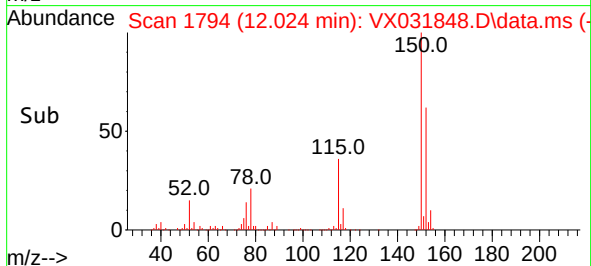


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031848.D
 Acq: 03 Oct 2022 20:58

Instrument :
 MSVOA_X
 ClientSampleId :

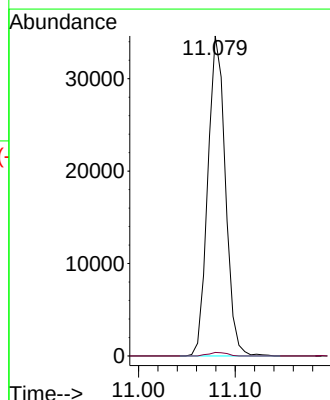
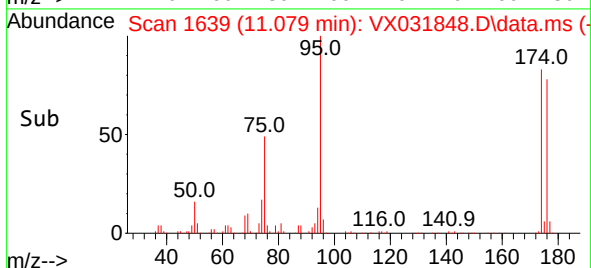
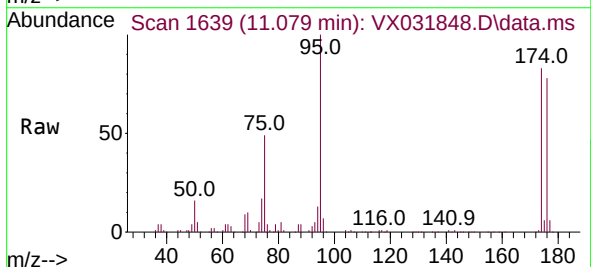


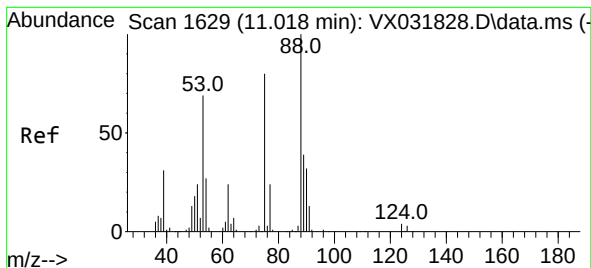
Tgt Ion:152 Resp: 91329
 Ion Ratio Lower Upper
 152 100
 115 58.4 43.4 130.1
 150 159.5 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 26.386 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX031848.D
 Acq: 03 Oct 2022 20:58

Tgt Ion: 75 Resp: 43845
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.3 60.9#

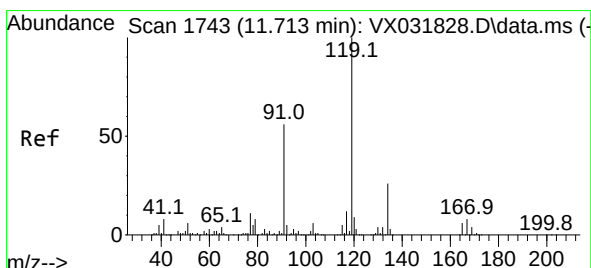
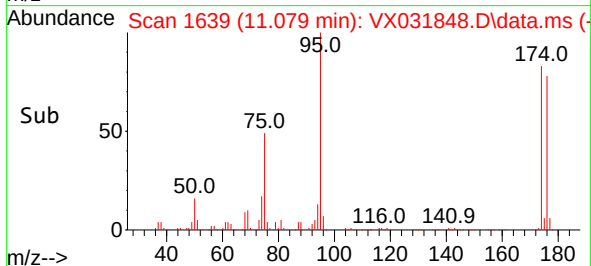
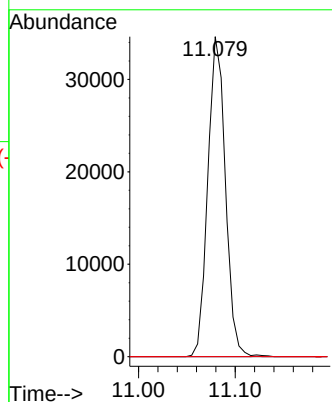
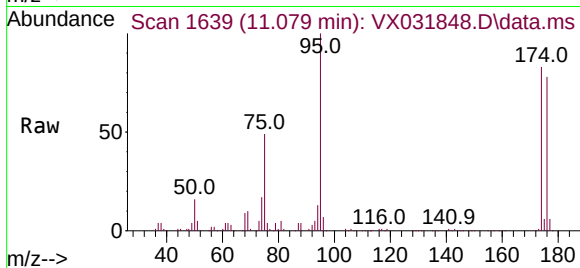




#81
trans-1,4-Dichloro-2-butene
Concen: 90.581 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

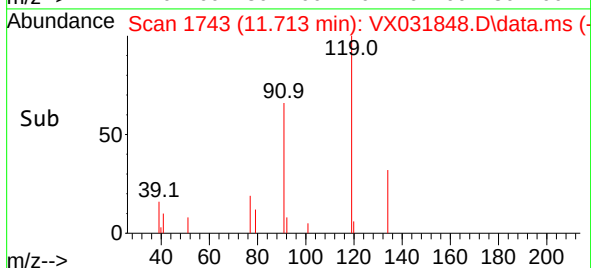
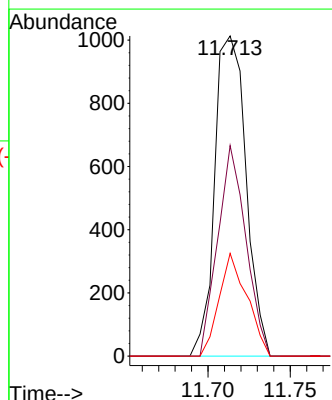
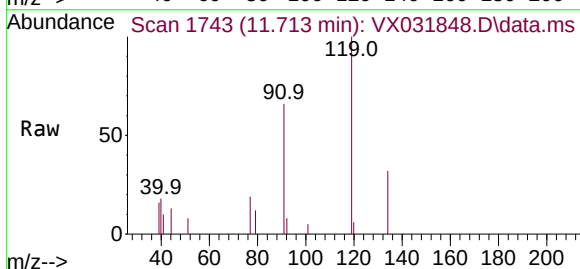
Instrument :
MSVOA_X
ClientSampleId :

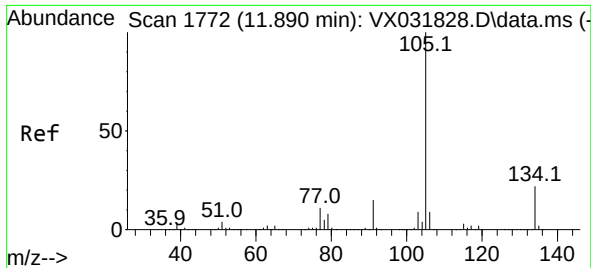
Tgt Ion: 75 Resp: 43845
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#83
tert-Butylbenzene
Concen: 0.246 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

Tgt Ion: 119 Resp: 1341
Ion Ratio Lower Upper
119 100
91 59.2 29.2 87.6
134 28.6 11.6 34.8

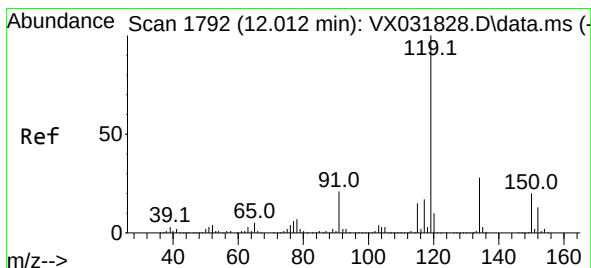
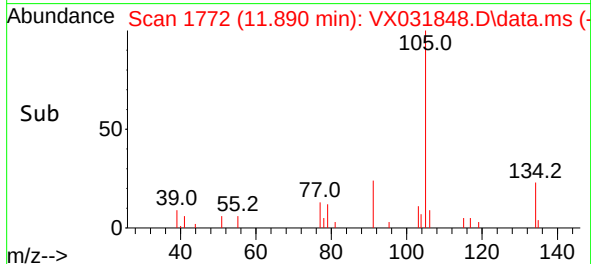
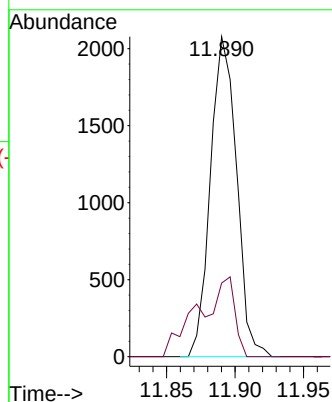
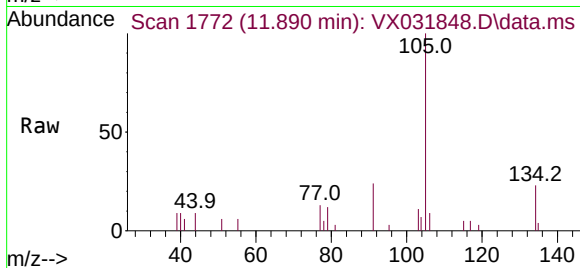




#85
 sec-Butylbenzene
 Concen: 0.420 ug/l
 RT: 11.890 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VX031848.D
 Acq: 03 Oct 2022 20:58

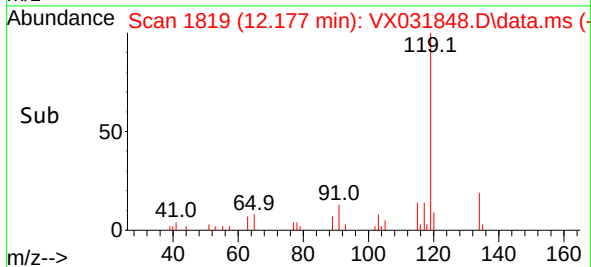
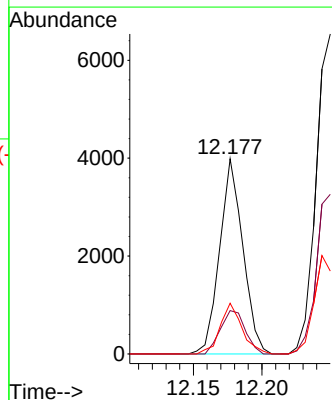
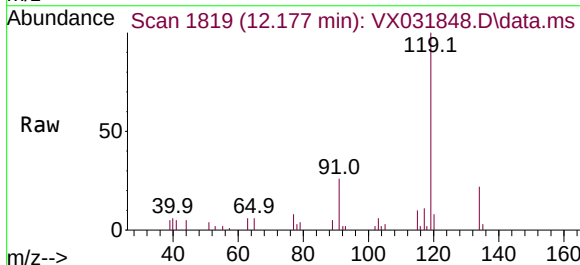
Instrument :
 MSVOA_X
 ClientSampleId :

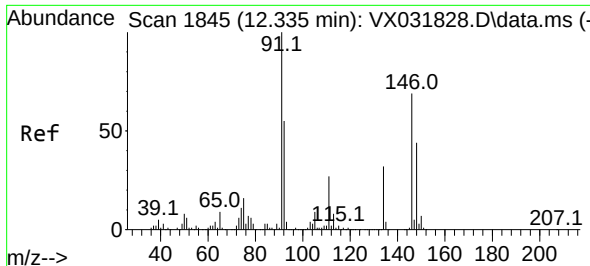
Tgt Ion:105 Resp: 2755
 Ion Ratio Lower Upper
 105 100
 134 34.3 10.4 31.1#



#86
 p-Isopropyltoluene
 Concen: 0.822 ug/l
 RT: 12.177 min Scan# 1819
 Delta R.T. 0.165 min
 Lab File: VX031848.D
 Acq: 03 Oct 2022 20:58

Tgt Ion:119 Resp: 4705
 Ion Ratio Lower Upper
 119 100
 134 23.7 13.4 40.2
 91 24.5 12.4 37.2

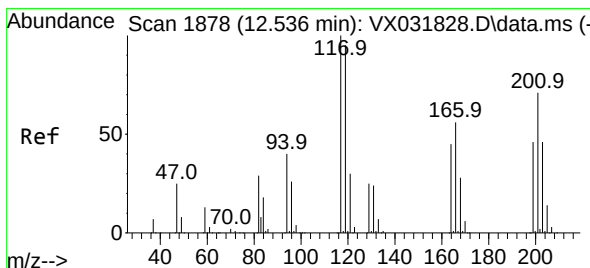
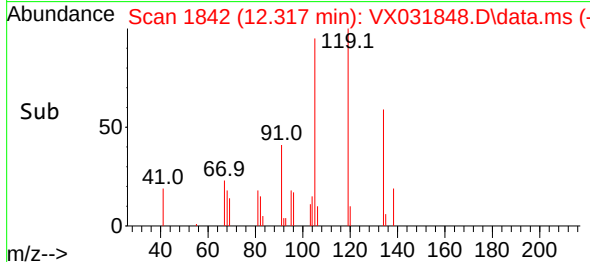
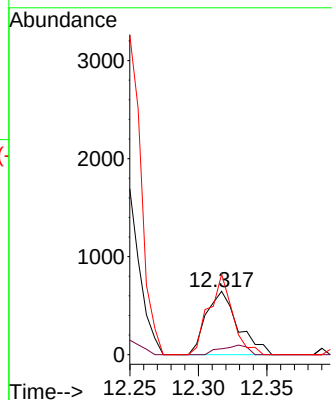
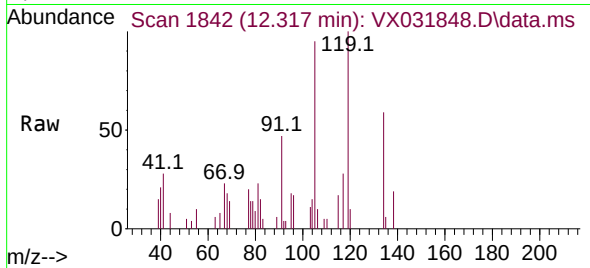




#89
n-Butylbenzene
Concen: 0.231 ug/l
RT: 12.317 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

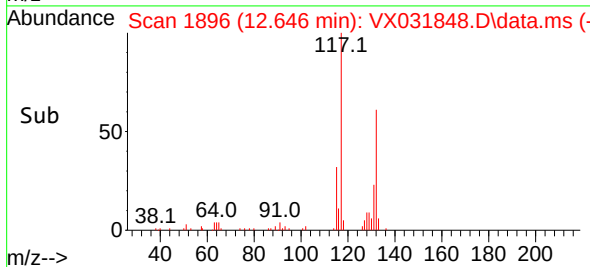
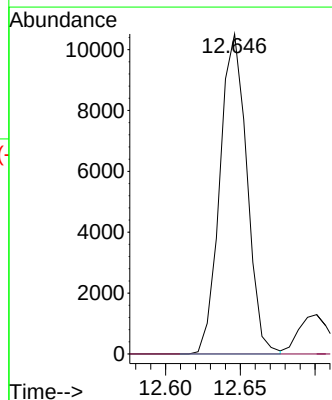
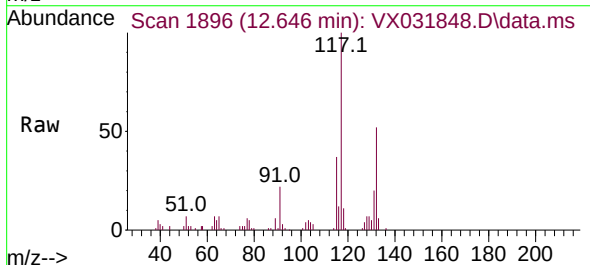
Instrument :
MSVOA_X
ClientSampleId :

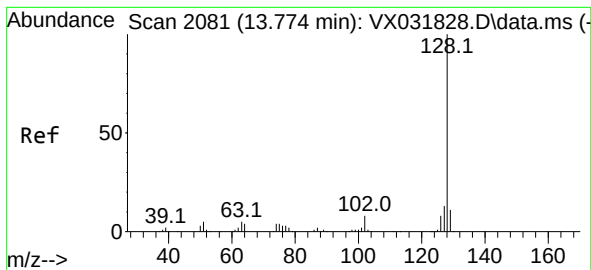
Tgt Ion: 91 Resp: 1045
Ion Ratio Lower Upper
91 100
92 12.7 27.0 81.0#
134 95.0 13.3 39.9#



#90
Hexachloroethane
Concen: 12.776 ug/l
RT: 12.646 min Scan# 1896
Delta R.T. 0.104 min
Lab File: VX031848.D
Acq: 03 Oct 2022 20:58

Tgt Ion: 117 Resp: 13184
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.4#





#95

Naphthalene

Concen: 0.299 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

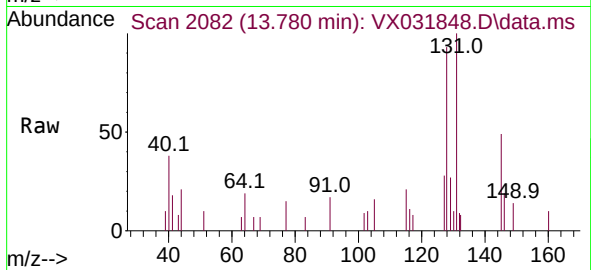
Lab File: VX031848.D

Acq: 03 Oct 2022 20:58

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 1833

Ion Ratio Lower Upper

128 100

127 20.2 10.4 15.6#

129 34.4 8.8 13.2#

