

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050124\
 Data File : VX041333.D
 Acq On : 01 May 2024 17:49
 Operator : JC/MD
 Sample : P2264-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 02 03:14:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

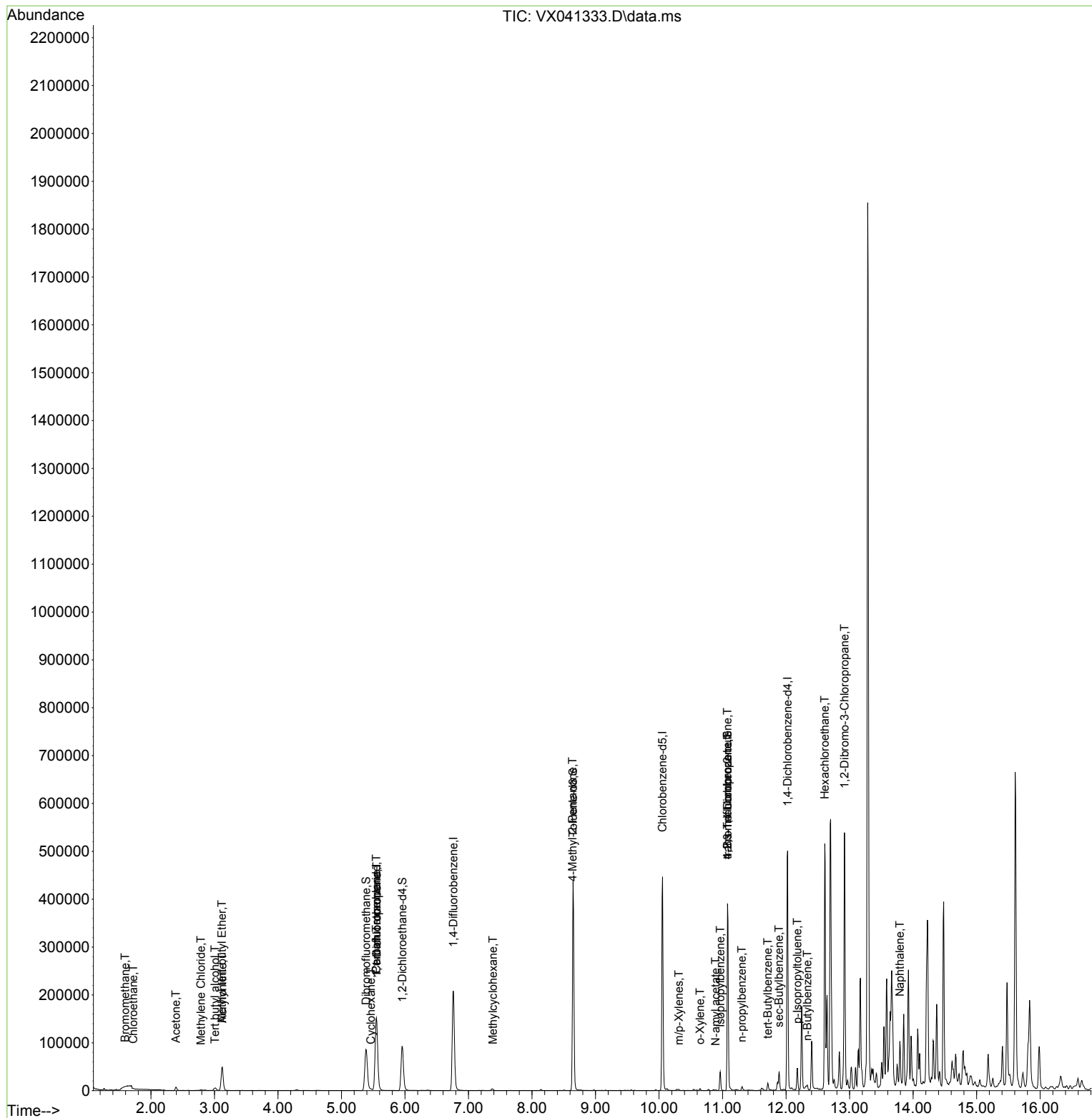
Internal Standards						
1) Pentafluorobenzene	5.550	168	164332	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	226678	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93790	52.426	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.860%	
35) Dibromofluoromethane	5.385	113	73981	48.161	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.320%	
50) Toluene-d8	8.647	98	256754	52.808	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.620%	
62) 4-Bromofluorobenzene	11.079	95	96287	51.159	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.320%	
Target Compounds						
						Qvalue
5) Bromomethane	1.593	94	283	0.339	ug/l	# 73
6) Chloroethane	1.721	64	660	1.067	ug/l	# 43
11) Tert butyl alcohol	3.007	59	8208	22.923	ug/l	# 93
15) Acrylonitrile	3.123	53	547	0.669	ug/l	# 24
16) Acetone	2.392	43	8760	7.323	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	54488	11.738	ug/l	99
20) Methylene Chloride	2.788	84	655	0.422	ug/l	89
31) Cyclohexane	5.464	56	1737	0.804	ug/l	96
36) 1,1-Dichloropropene	5.556	75	9847	5.361	ug/l	# 52
38) Carbon Tetrachloride	5.550	117	14162	6.730	ug/l	# 16
39) Methylcyclohexane	7.385	83	1729	0.801	ug/l	# 79
51) 4-Methyl-2-Pentanone	8.641	43	1191	0.576	ug/l	# 1
68) m/p-Xylenes	10.311	106	630	0.226	ug/l	89
69) o-Xylene	10.646	106	1001	0.375	ug/l	97
73) Isopropylbenzene	10.963	105	19932	2.823	ug/l	97
74) N-amyl acetate	10.890	43	1224	0.397	ug/l	# 47
76) 1,2,3-Trichloropropane	11.079	75	49593	26.313	ug/l	# 39
78) n-propylbenzene	11.305	91	5224	0.705	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	49593	71.673	ug/l	# 5
83) tert-Butylbenzene	11.713	119	4947	0.803	ug/l	95
85) sec-Butylbenzene	11.890	105	18915	2.678	ug/l	# 72
86) p-Isopropyltoluene	12.176	119	19512	3.076	ug/l	96
89) n-Butylbenzene	12.335	91	4090	0.802	ug/l	# 82
90) Hexachloroethane	12.609	117	23642	22.288	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	12.920	75	1660	3.105	ug/l	# 9
95) Naphthalene	13.792	128	2634	0.332	ug/l	# 7

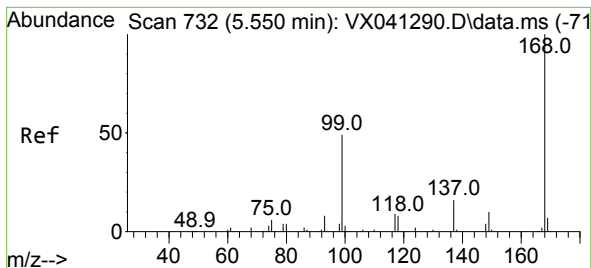
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050124\
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Quant Time: May 02 03:14:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
QLast Update : Wed May 01 02:38:17 2024
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: VX041333.D

Acq: 01 May 2024 17:49

Instrument :

MSVOA_X

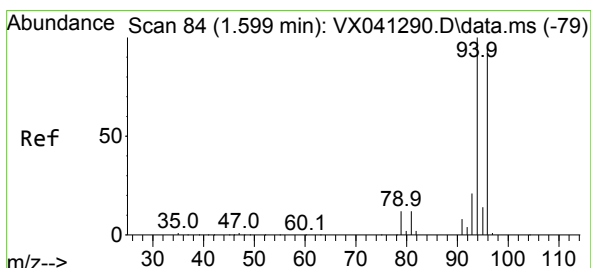
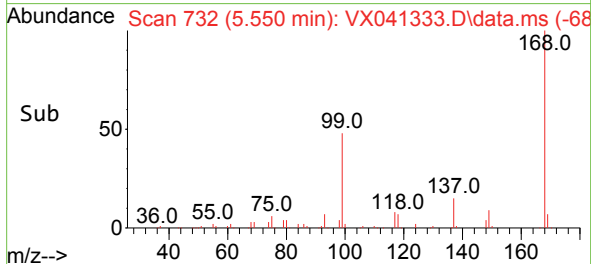
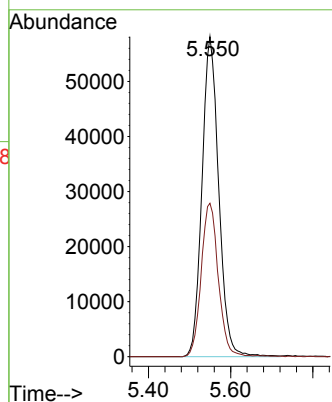
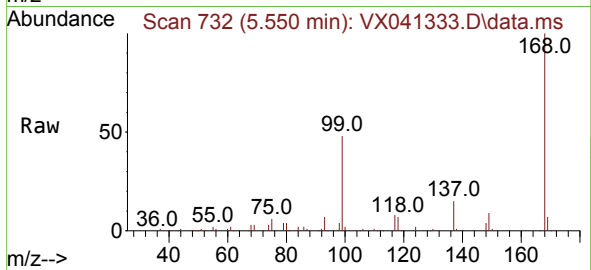
ClientSampleId :

Tgt Ion:168 Resp: 164332

Ion Ratio Lower Upper

168 100

99 47.9 56.6 85.0#



#5

Bromomethane

Concen: 0.339 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.006 min

Lab File: VX041333.D

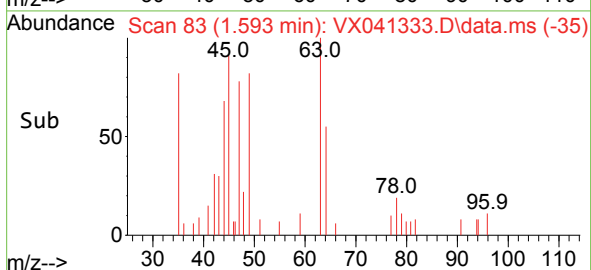
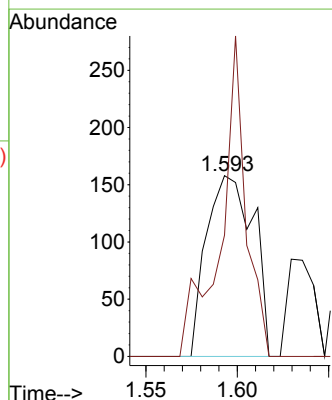
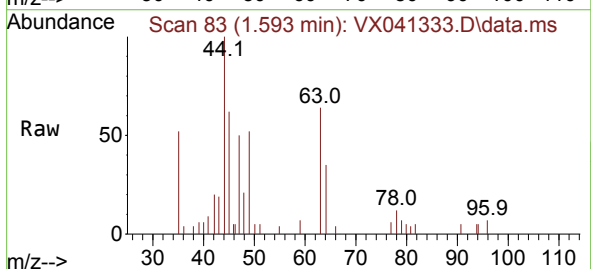
Acq: 01 May 2024 17:49

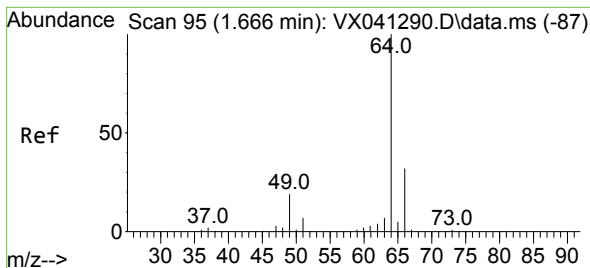
Tgt Ion: 94 Resp: 283

Ion Ratio Lower Upper

94 100

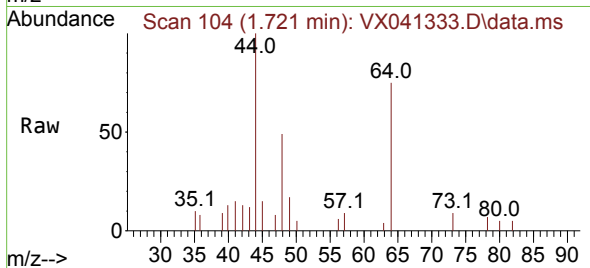
96 67.1 74.6 111.8#



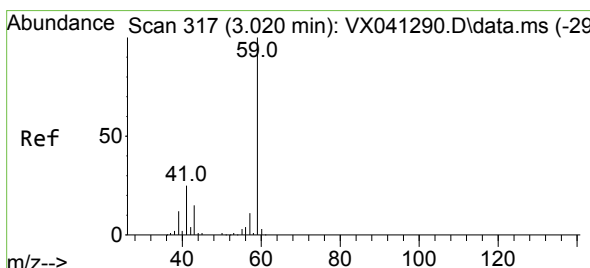
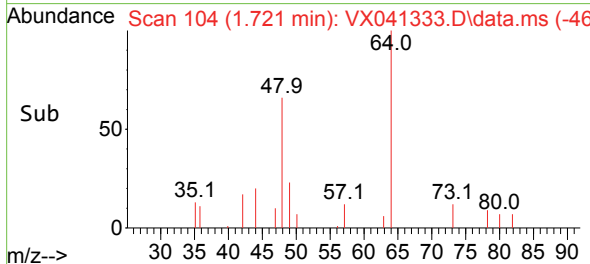
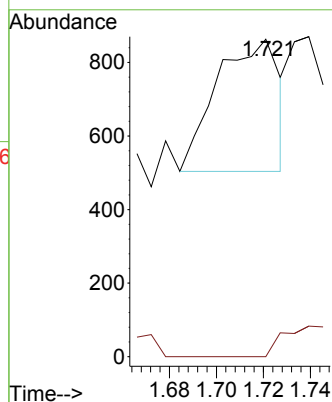


#6
Chloroethane
Concen: 1.067 ug/l
RT: 1.721 min Scan# 104
Delta R.T. 0.055 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

Instrument :
MSVOA_X
ClientSampleId :

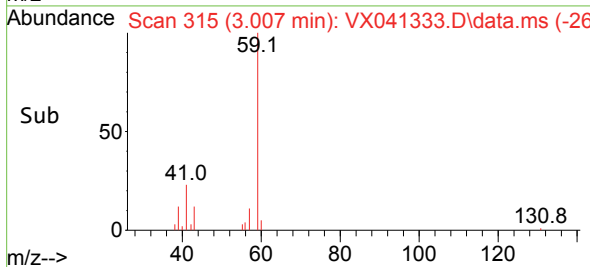
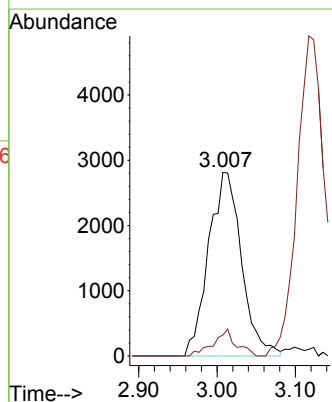
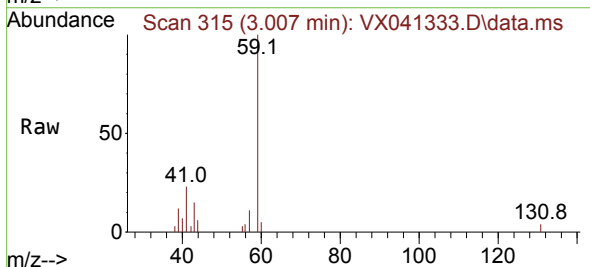


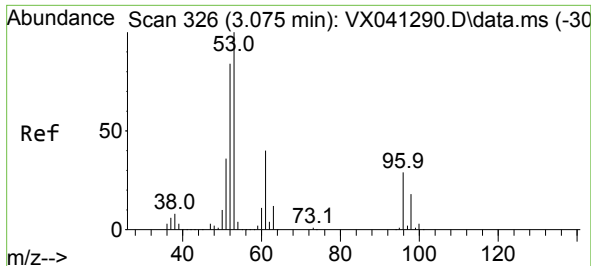
Tgt Ion: 64 Resp: 660
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 22.923 ug/l
RT: 3.007 min Scan# 315
Delta R.T. -0.012 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

Tgt Ion: 59 Resp: 8208
Ion Ratio Lower Upper
59 100
57 10.0 6.0 9.0#





#15

Acrylonitrile

Concen: 0.669 ug/l

RT: 3.123 min Scan# 31

Delta R.T. 0.049 min

Lab File: VX041333.D

Acq: 01 May 2024 17:49

Instrument :

MSVOA_X

ClientSampleId :

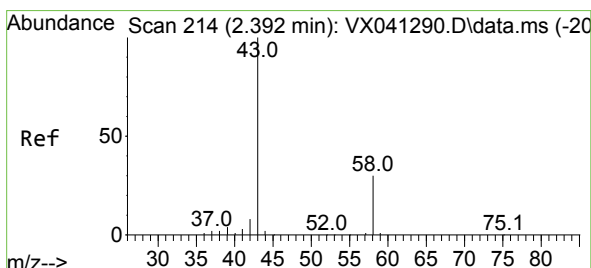
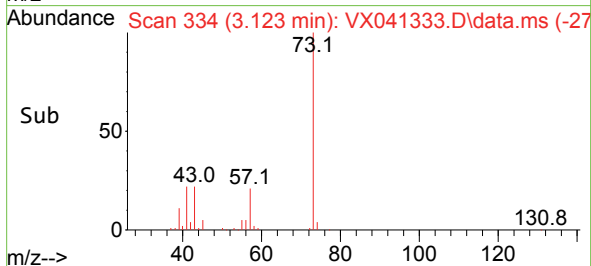
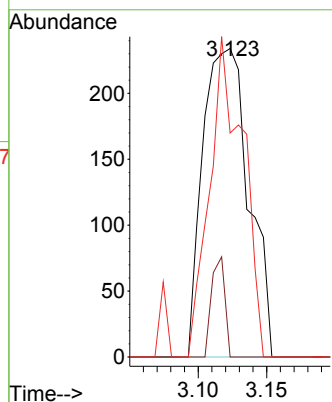
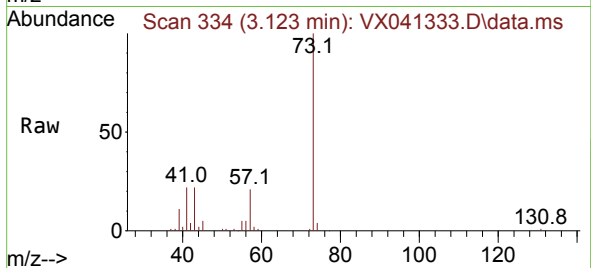
Tgt Ion: 53 Resp: 547

Ion Ratio Lower Upper

53 100

52 9.3 66.0 99.0#

51 75.3 29.8 44.6#



#16

Acetone

Concen: 7.323 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX041333.D

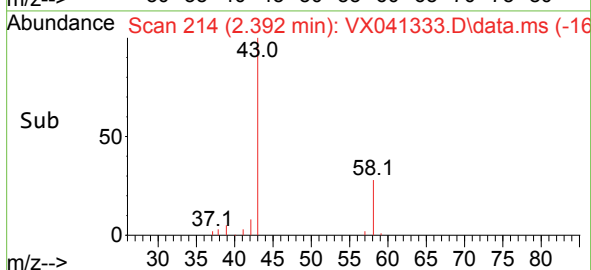
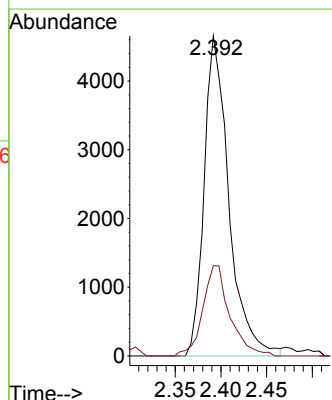
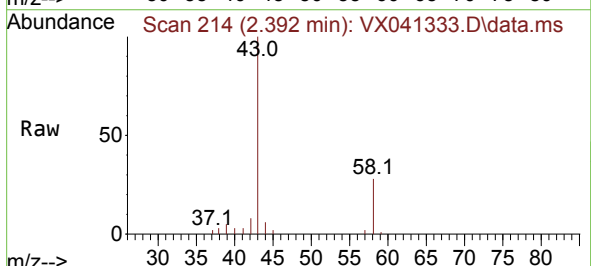
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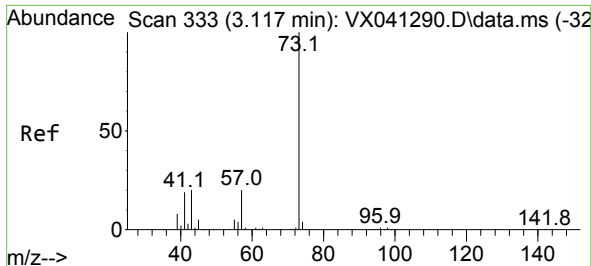
Tgt Ion: 43 Resp: 8760

Ion Ratio Lower Upper

43 100

58 28.2 21.9 32.9

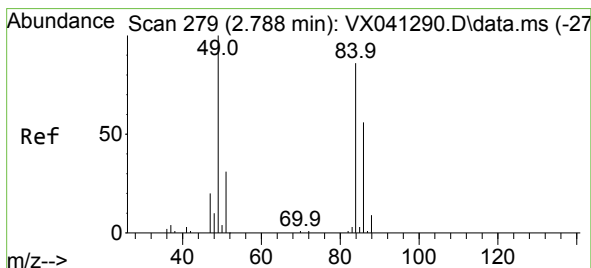
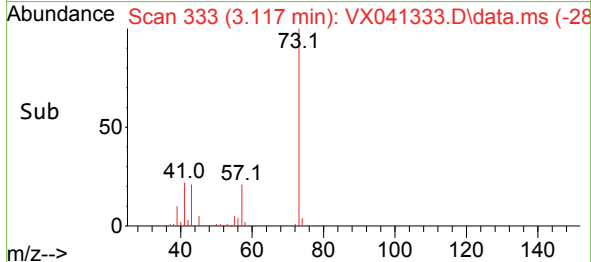
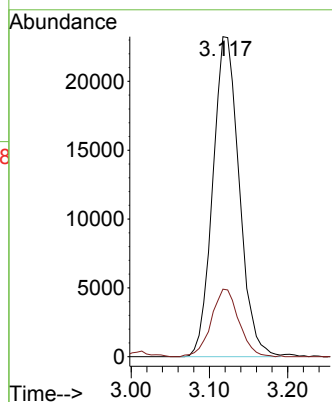
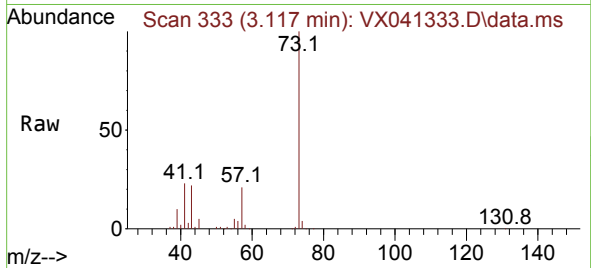




#19
Methyl tert-butyl Ether
Concen: 11.738 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

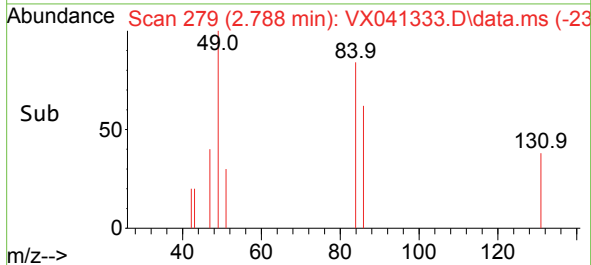
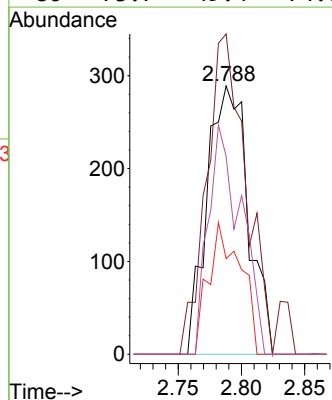
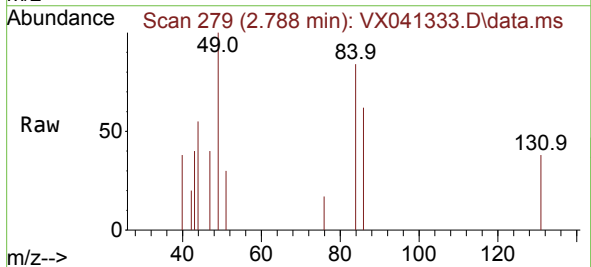
Instrument :
MSVOA_X
ClientSampleId :

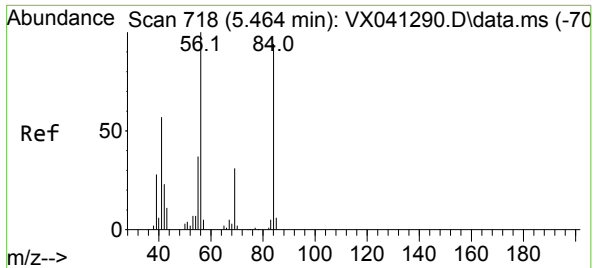
Tgt Ion: 73 Resp: 54488
Ion Ratio Lower Upper
73 100
57 21.1 17.3 25.9



#20
Methylene Chloride
Concen: 0.422 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

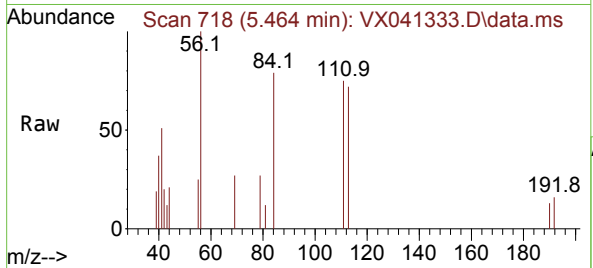
Tgt Ion: 84 Resp: 655
Ion Ratio Lower Upper
84 100
49 119.4 103.6 155.4
51 35.6 33.8 50.6
86 73.7 49.4 74.0



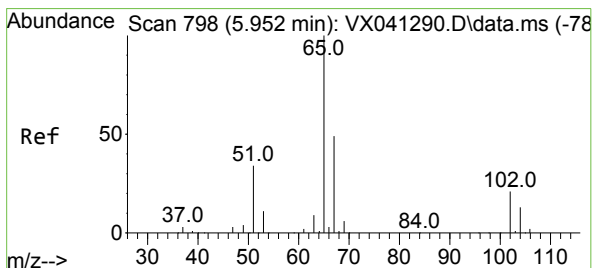
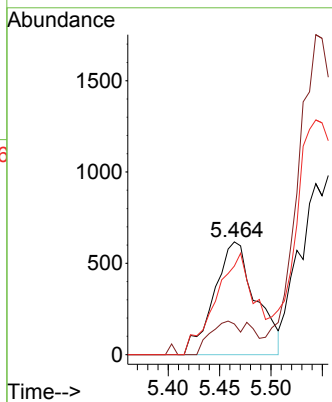
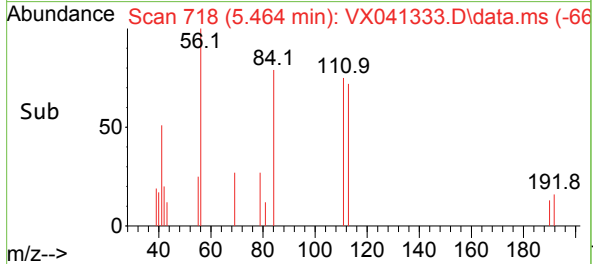


#31
Cyclohexane
Concen: 0.804 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

Instrument :
MSVOA_X
ClientSampleId :

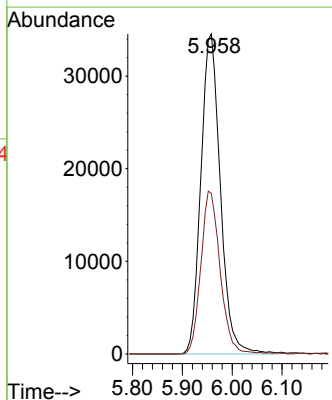
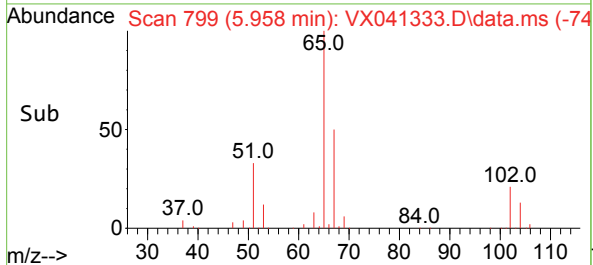
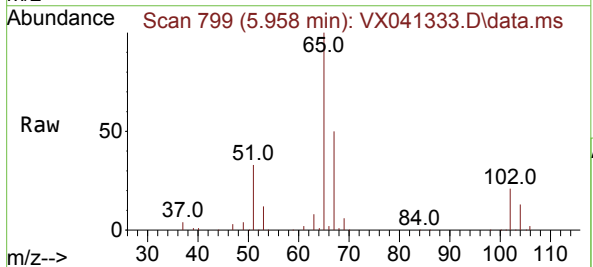


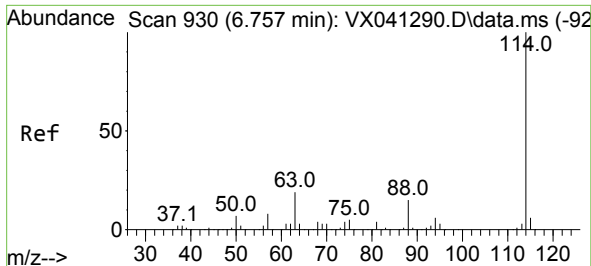
Tgt Ion: 56 Resp: 1737
Ion Ratio Lower Upper
56 100
69 27.2 23.4 35.2
84 78.6 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 52.426 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

Tgt Ion: 65 Resp: 93790
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.2

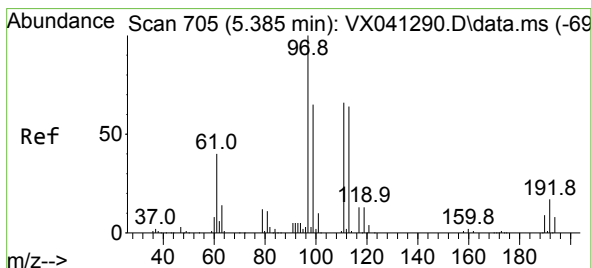
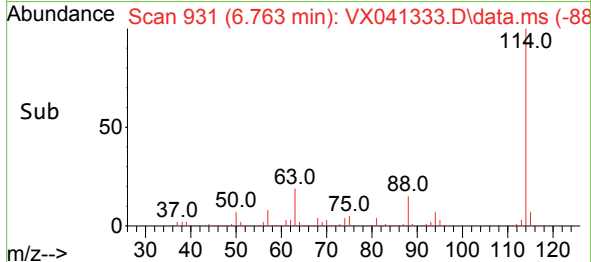
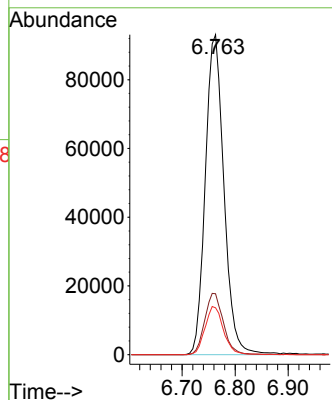
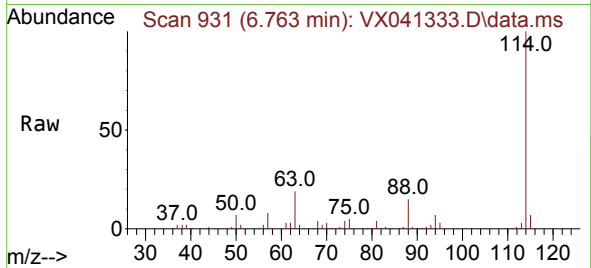




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

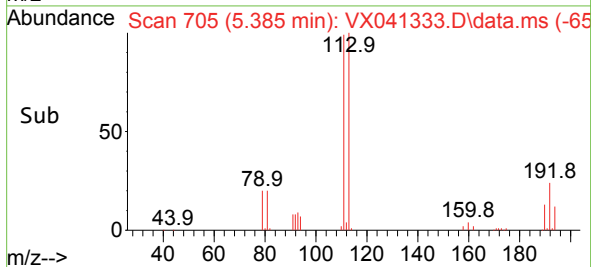
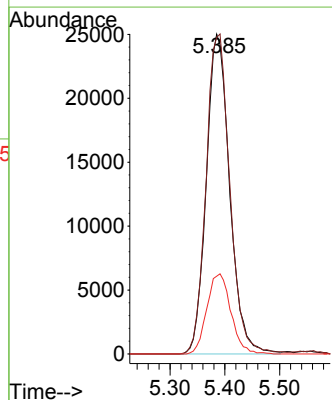
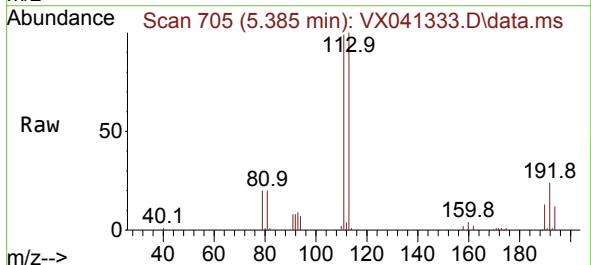
Instrument :
MSVOA_X
ClientSampleId :

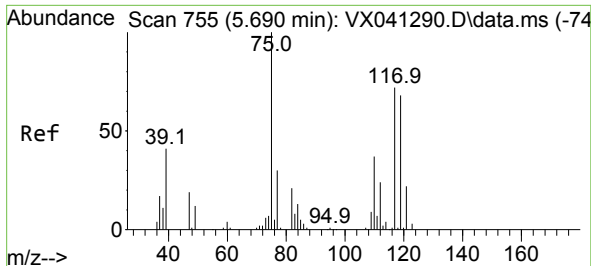
Tgt Ion:114 Resp: 226678
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 14.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.161 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

Tgt Ion:113 Resp: 73981
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 25.8 13.3 19.9#

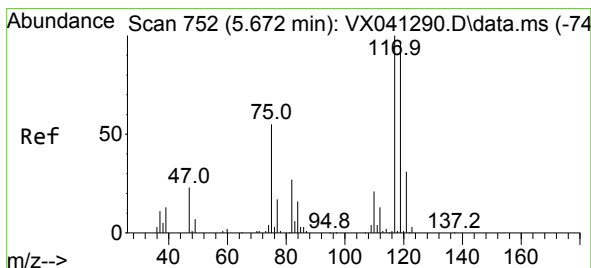
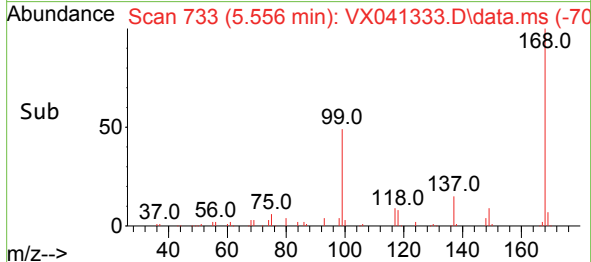
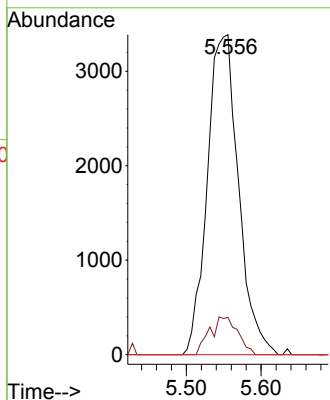
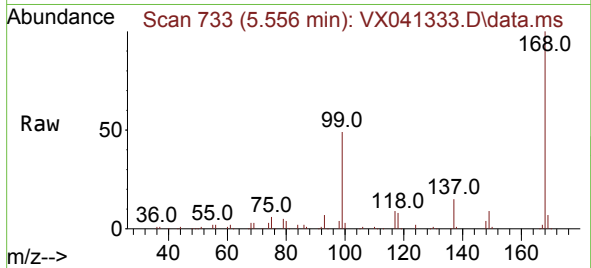




#36
1,1-Dichloropropene
Concen: 5.361 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

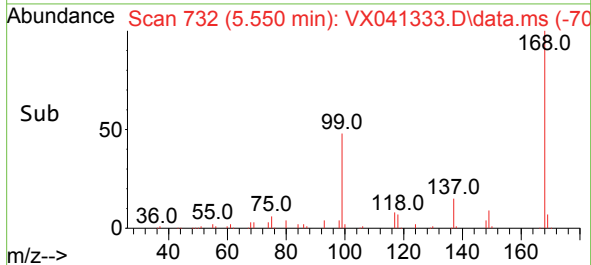
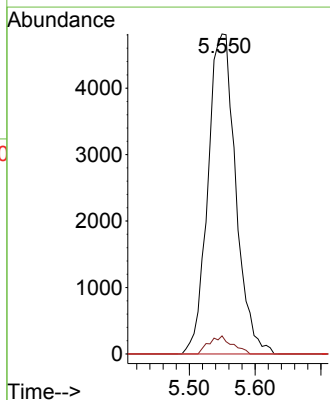
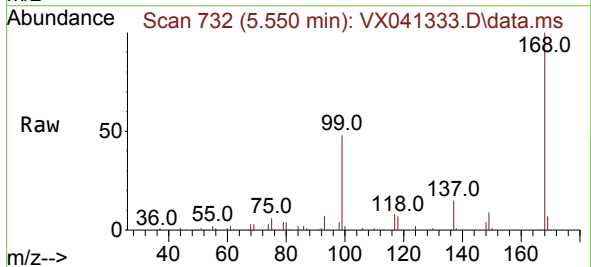
Instrument :
MSVOA_X
ClientSampleId :

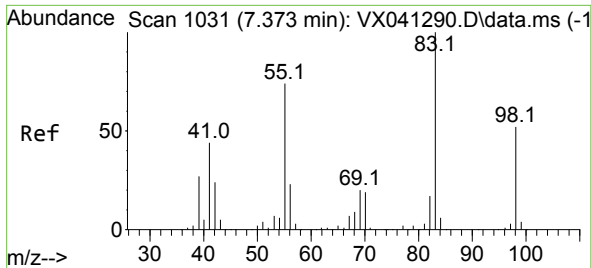
Tgt Ion: 75 Resp: 9847
Ion Ratio Lower Upper
75 100
110 10.6 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.730 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

Tgt Ion: 117 Resp: 14162
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.801 ug/l

RT: 7.385 min Scan# 1031

Delta R.T. 0.012 min

Lab File: VX041333.D

Acq: 01 May 2024 17:49

Instrument :

MSVOA_X

ClientSampleId :

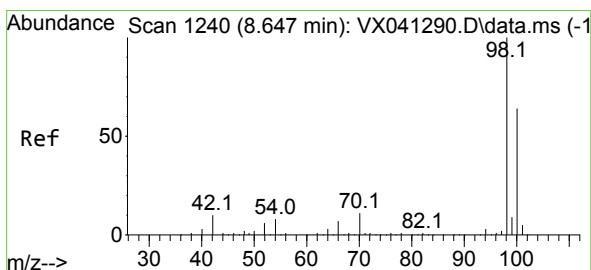
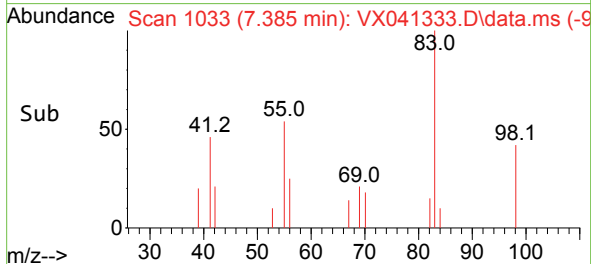
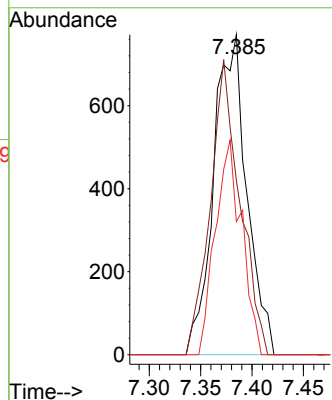
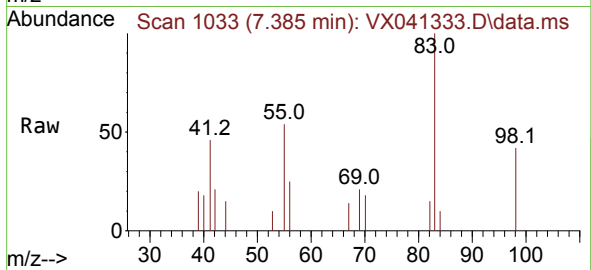
Tgt Ion: 83 Resp: 1729

Ion Ratio Lower Upper

83 100

55 54.5 64.6 97.0#

98 41.6 36.7 55.1



#50

Toluene-d8

Concen: 52.808 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX041333.D

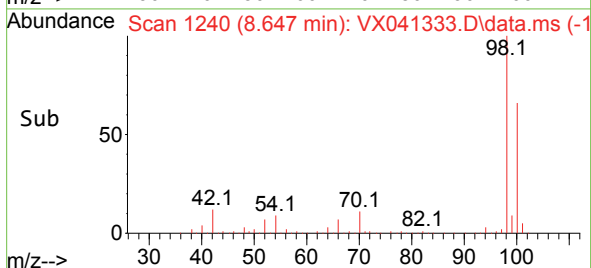
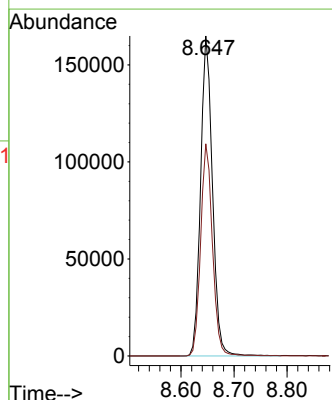
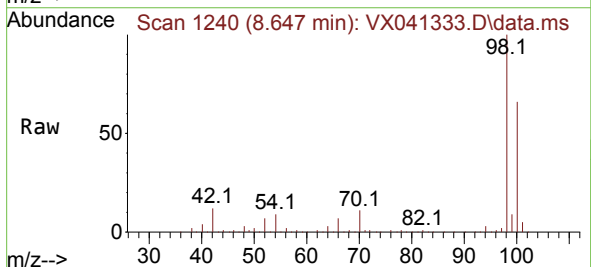
Acq: 01 May 2024 17:49

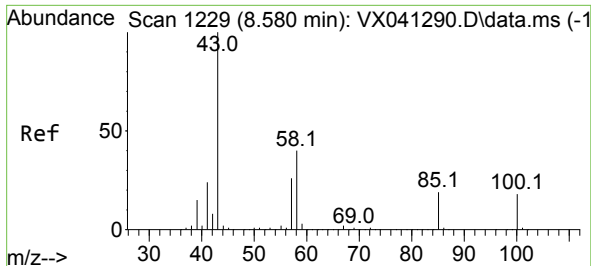
Tgt Ion: 98 Resp: 256754

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7

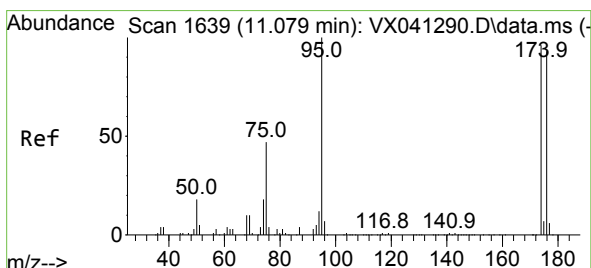
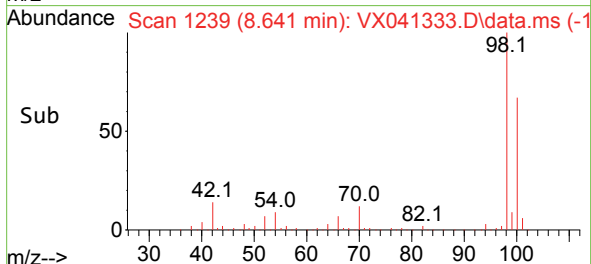
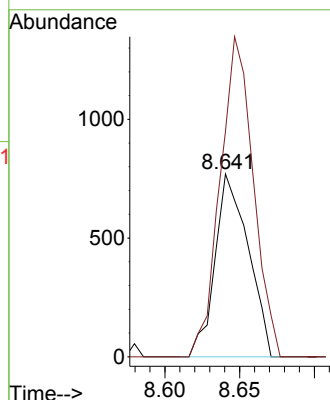
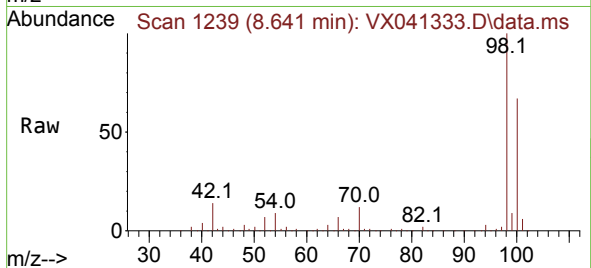




#51
4-Methyl-2-Pentanone
Concen: 0.576 ug/l
RT: 8.641 min Scan# 1191
Delta R.T. 0.061 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

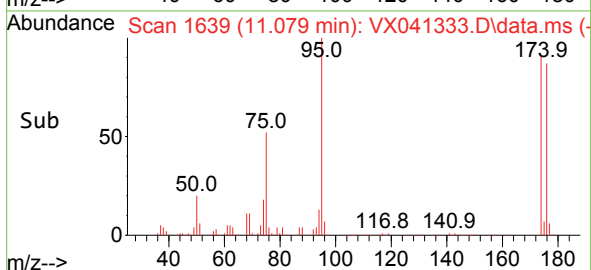
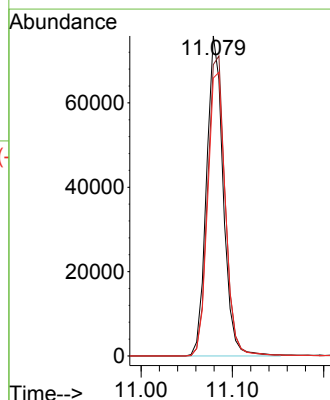
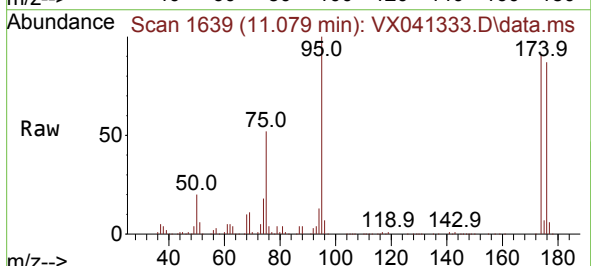
Instrument :
MSVOA_X
ClientSampleId :

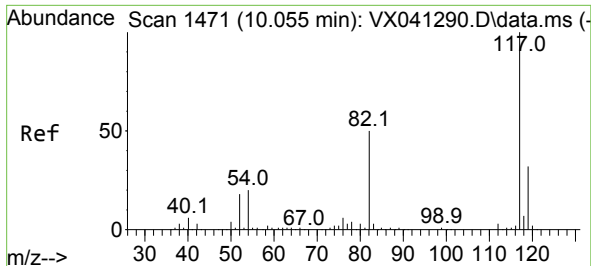
Tgt Ion: 43 Resp: 1191
Ion Ratio Lower Upper
43 100
58 175.0 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 51.159 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

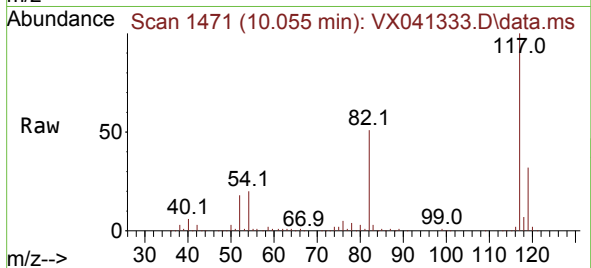
Tgt Ion: 95 Resp: 96287
Ion Ratio Lower Upper
95 100
174 99.0 0.0 135.6
176 94.6 0.0 131.0



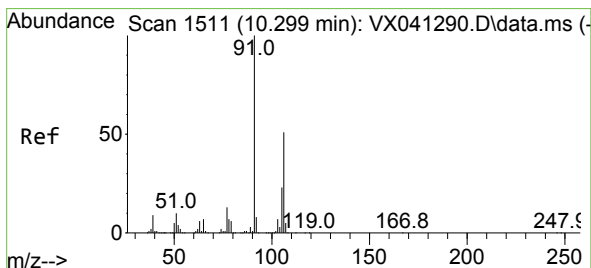
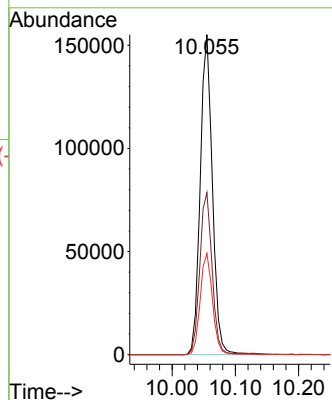
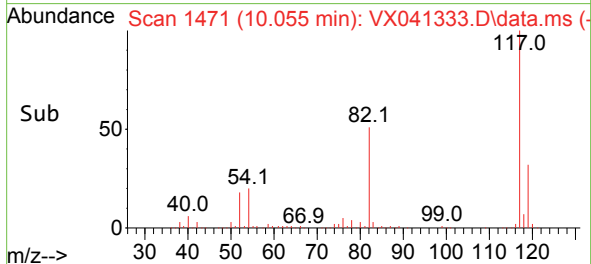


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

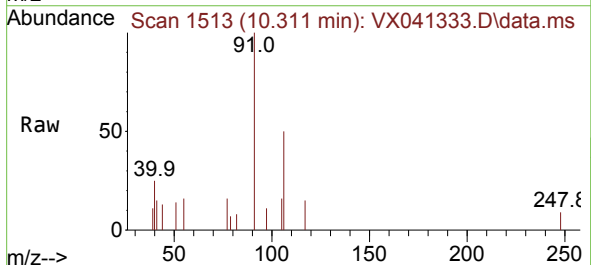
Instrument :
MSVOA_X
ClientSampleId :



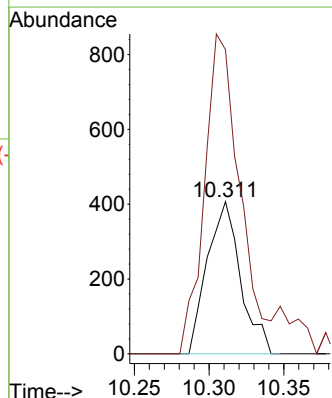
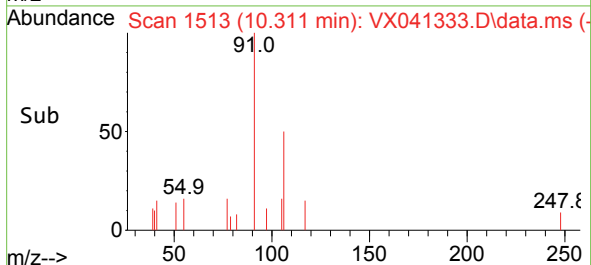
Tgt Ion:117 Resp: 208029
Ion Ratio Lower Upper
117 100
82 50.7 46.2 69.4
119 31.6 25.5 38.3

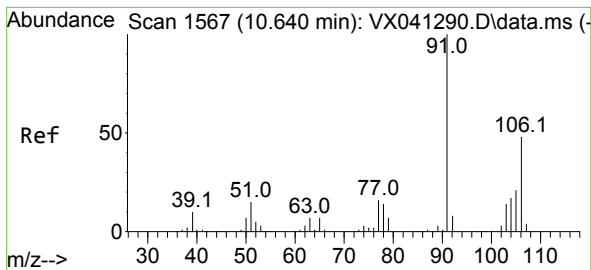


#68
m/p-Xylenes
Concen: 0.226 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49



Tgt Ion:106 Resp: 630
Ion Ratio Lower Upper
106 100
91 223.3 165.5 248.3





#69

o-Xylene

Concen: 0.375 ug/l

RT: 10.646 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX041333.D

Acq: 01 May 2024 17:49

Instrument :

MSVOA_X

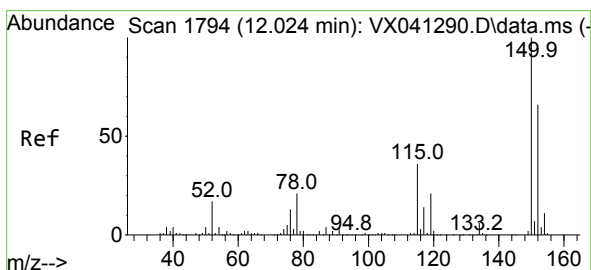
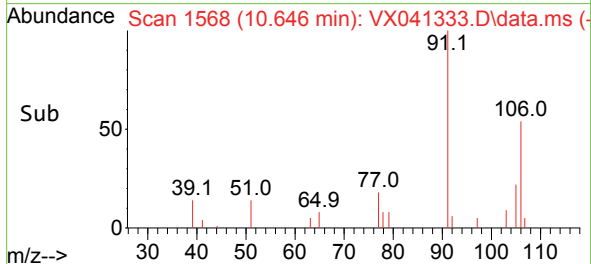
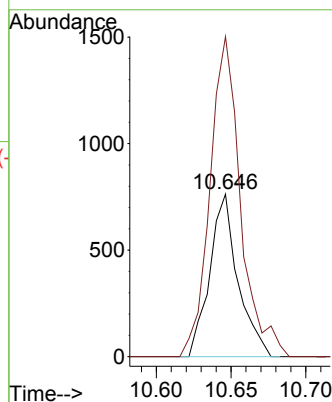
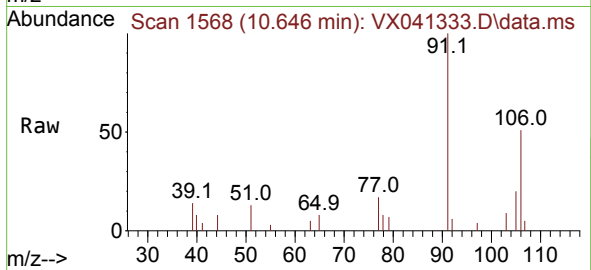
ClientSampleId :

Tgt Ion:106 Resp: 1001

Ion Ratio Lower Upper

106 100

91 213.4 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX041333.D

Acq: 01 May 2024 17:49

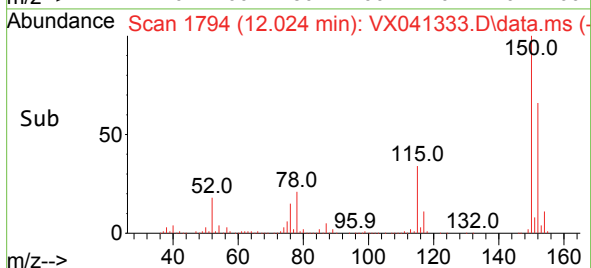
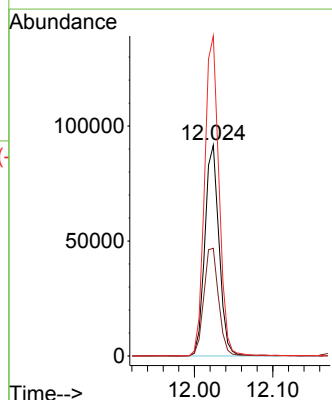
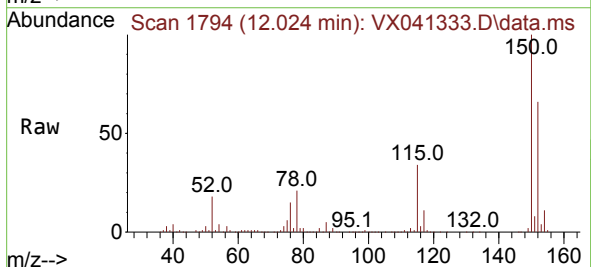
Tgt Ion:152 Resp: 115651

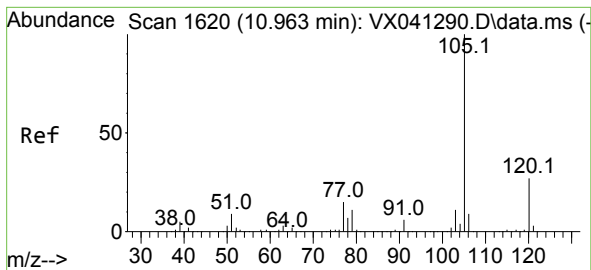
Ion Ratio Lower Upper

152 100

115 53.6 43.3 129.9

150 154.0 0.0 345.0





#73

Isopropylbenzene

Concen: 2.823 ug/l

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX041333.D

Acq: 01 May 2024 17:49

Instrument :

MSVOA_X

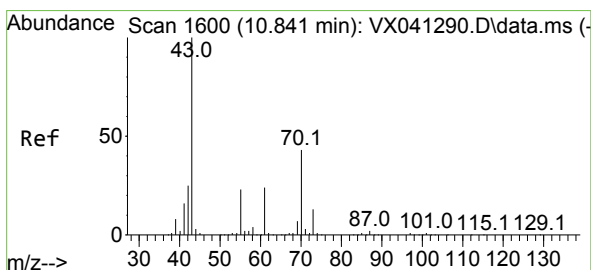
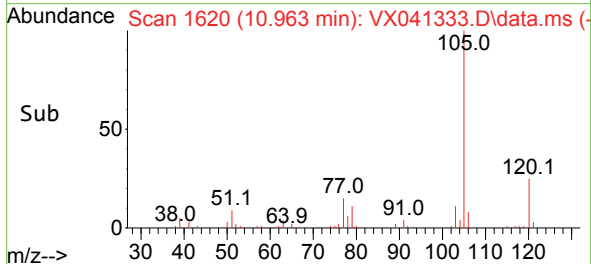
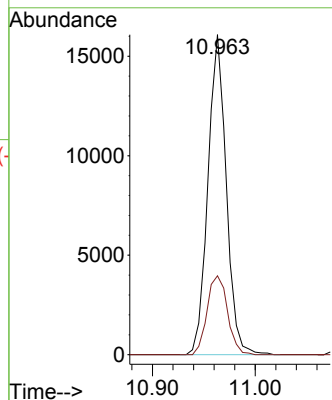
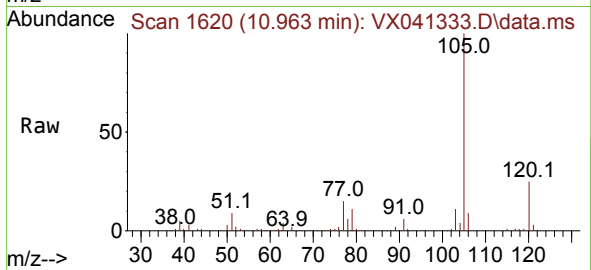
ClientSampleId :

Tgt Ion:105 Resp: 19932

Ion Ratio Lower Upper

105 100

120 27.4 12.9 38.6



#74

N-ethyl acetate

Concen: 0.397 ug/l

RT: 10.890 min Scan# 1608

Delta R.T. 0.049 min

Lab File: VX041333.D

Acq: 01 May 2024 17:49

Tgt Ion: 43 Resp: 1224

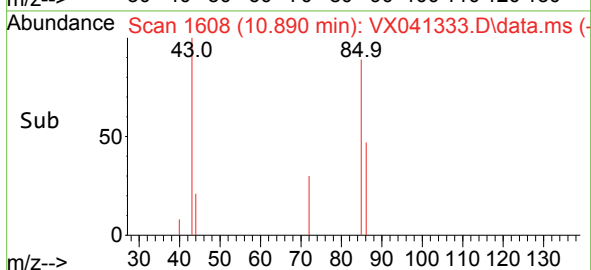
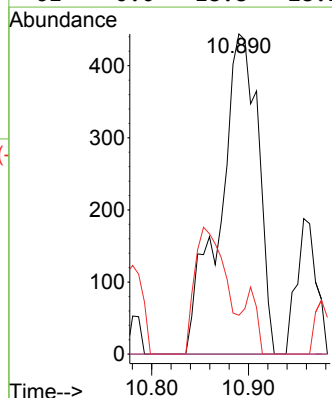
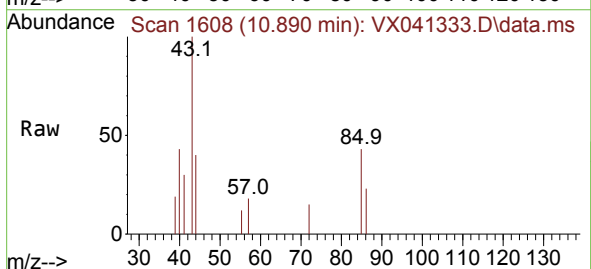
Ion Ratio Lower Upper

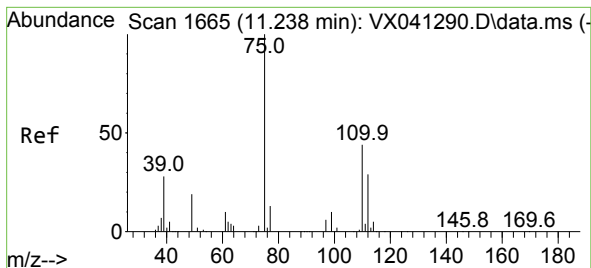
43 100

70 0.0 32.9 49.3#

55 6.6 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 26.313 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041333.D

Acq: 01 May 2024 17:49

Instrument :

MSVOA_X

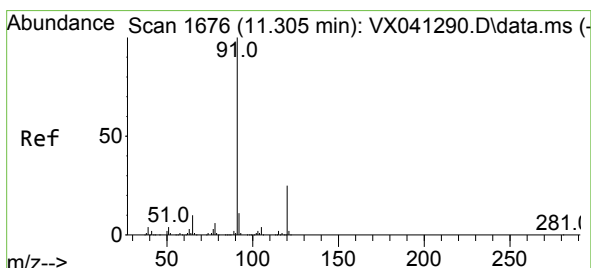
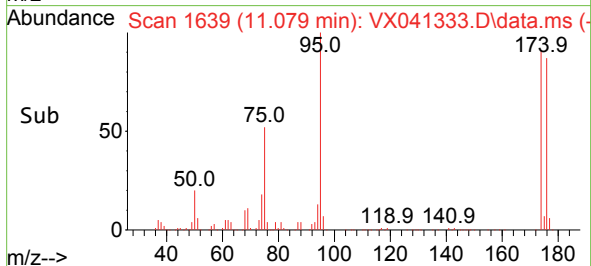
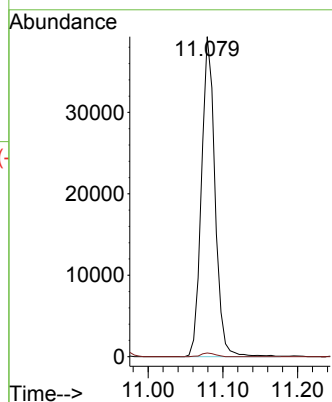
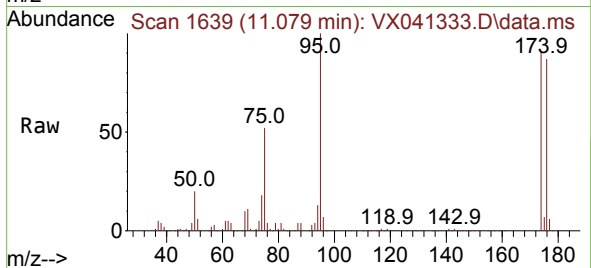
ClientSampleId :

Tgt Ion: 75 Resp: 49593

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#78

n-propylbenzene

Concen: 0.705 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX041333.D

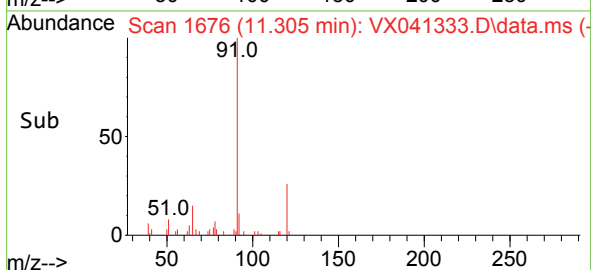
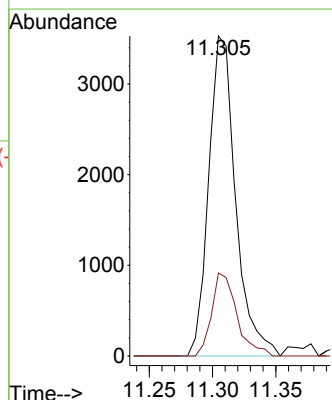
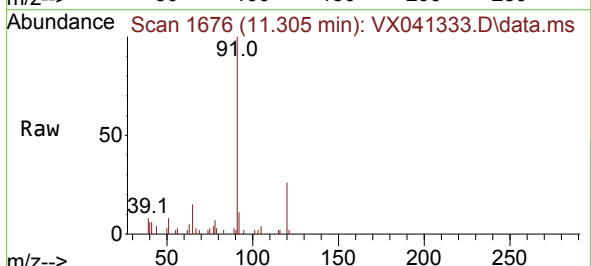
Acq: 01 May 2024 17:49

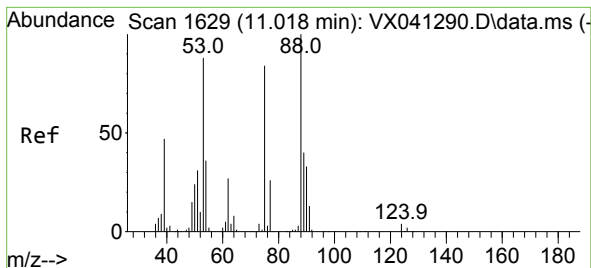
Tgt Ion: 91 Resp: 5224

Ion Ratio Lower Upper

91 100

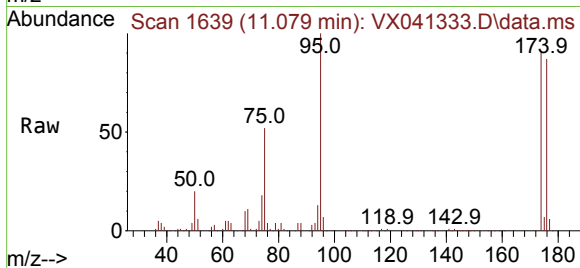
120 24.2 11.5 34.4



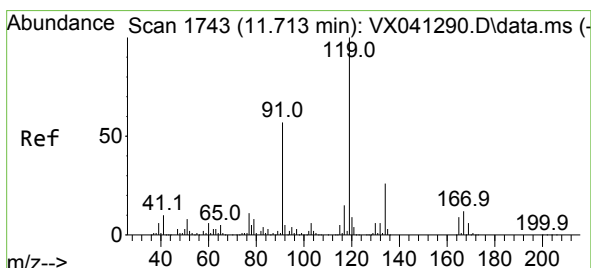
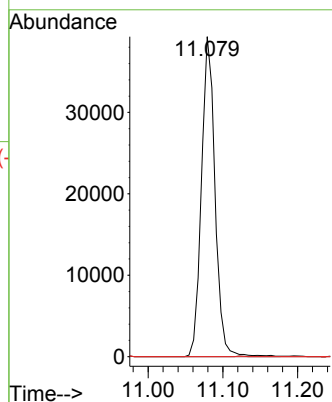
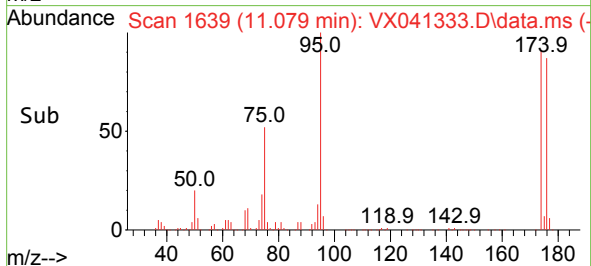


#81
trans-1,4-Dichloro-2-butene
Concen: 71.673 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

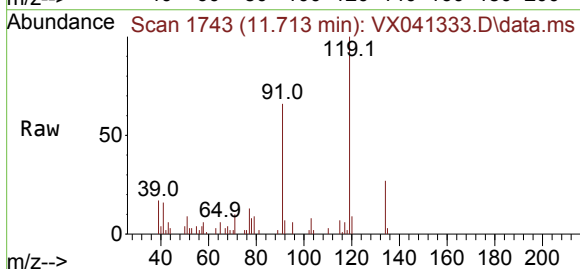
Instrument :
MSVOA_X
ClientSampleId :



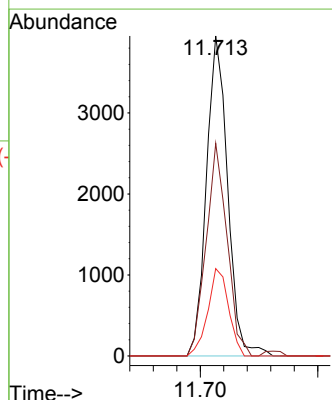
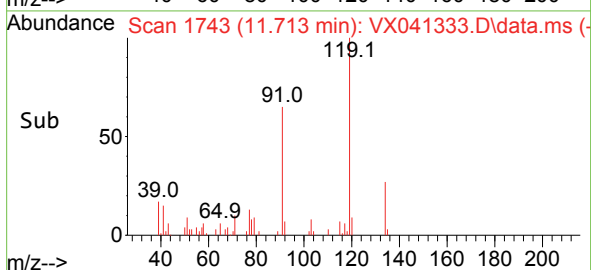
Tgt Ion: 75 Resp: 49593
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

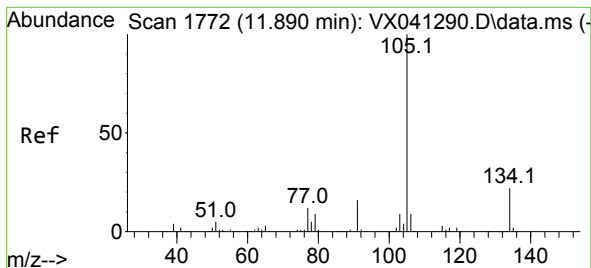


#83
tert-Butylbenzene
Concen: 0.803 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49



Tgt Ion: 119 Resp: 4947
Ion Ratio Lower Upper
119 100
91 65.7 31.2 93.6
134 26.8 11.7 35.0





#85

sec-Butylbenzene

Concen: 2.678 ug/l

RT: 11.890 min Scan# 11

Delta R.T. -0.000 min

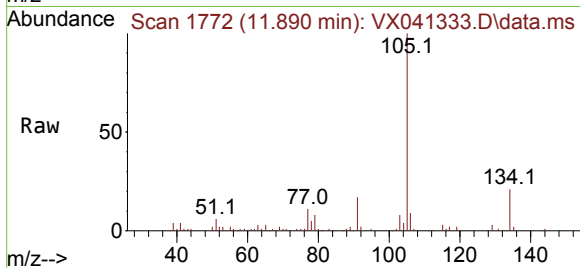
Lab File: VX041333.D

Acq: 01 May 2024 17:49

Instrument :

MSVOA_X

ClientSampleId :

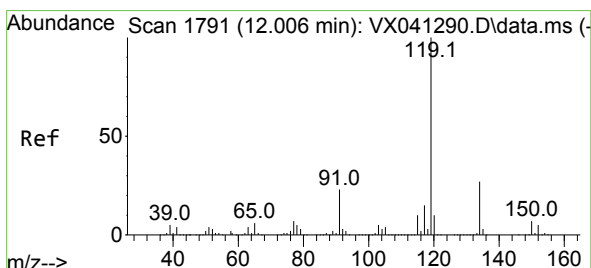
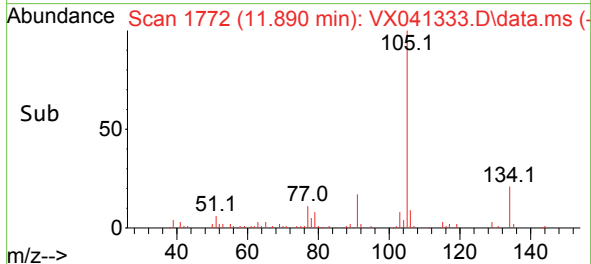
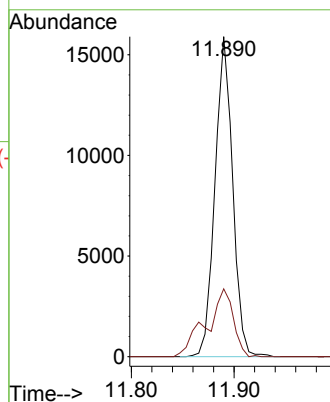


Tgt Ion:105 Resp: 18915

Ion Ratio Lower Upper

105 100

134 32.3 9.8 29.4#



#86

p-Isopropyltoluene

Concen: 3.076 ug/l

RT: 12.176 min Scan# 1819

Delta R.T. 0.171 min

Lab File: VX041333.D

Acq: 01 May 2024 17:49

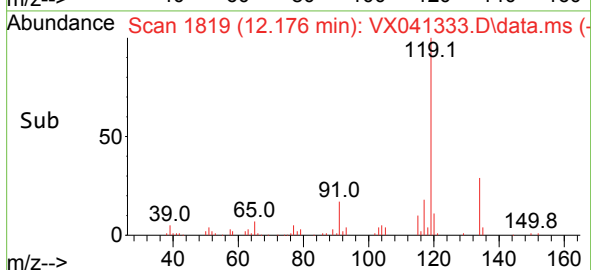
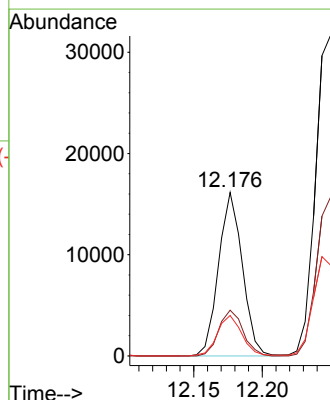
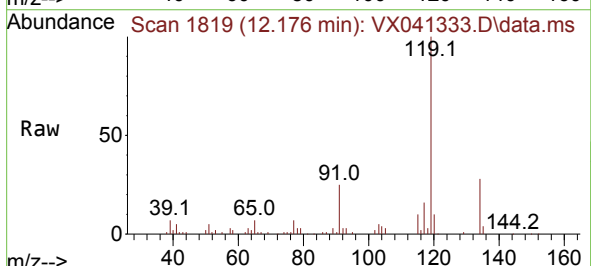
Tgt Ion:119 Resp: 19512

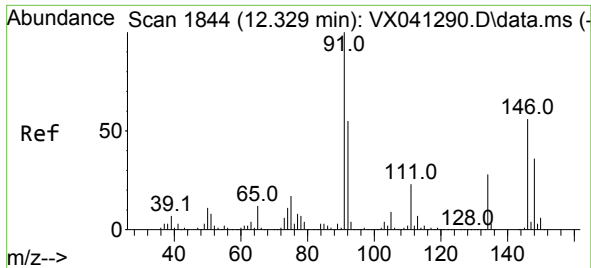
Ion Ratio Lower Upper

119 100

134 28.6 12.8 38.3

91 25.5 13.1 39.3





#89

n-Butylbenzene

Concen: 0.802 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX041333.D

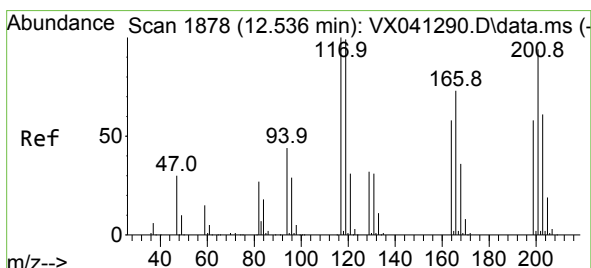
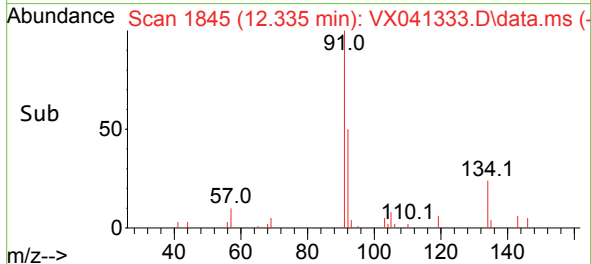
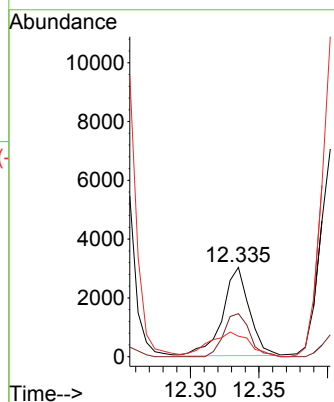
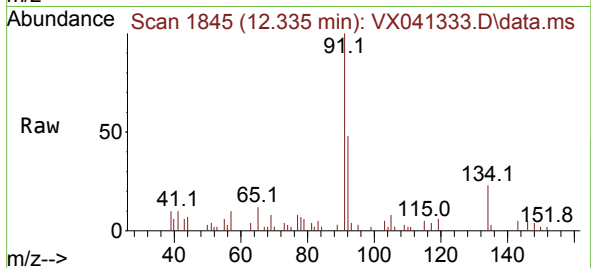
Acq: 01 May 2024 17:49

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	91	Resp:	4090
Ion	Ratio	Lower	Upper
91	100		
92	47.1	27.4	82.0
134	41.7	12.6	37.8#



#90

Hexachloroethane

Concen: 22.288 ug/l

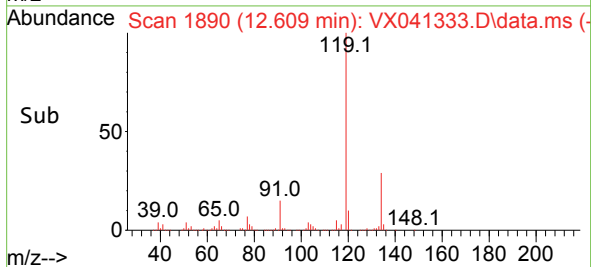
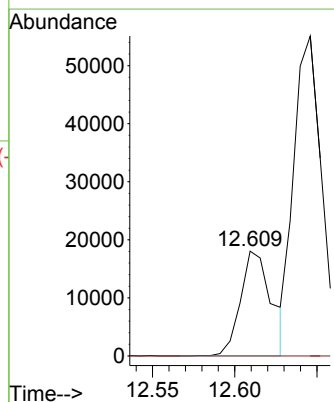
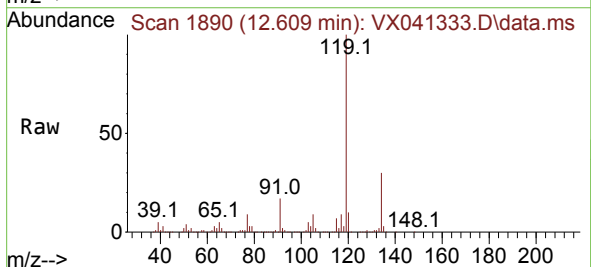
RT: 12.609 min Scan# 1890

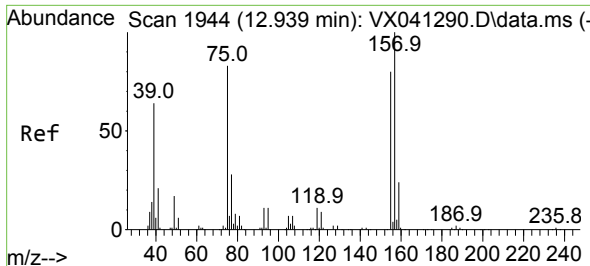
Delta R.T. 0.073 min

Lab File: VX041333.D

Acq: 01 May 2024 17:49

Tgt Ion:	117	Resp:	23642
Ion	Ratio	Lower	Upper
117	100		
201	0.0	32.9	98.6#

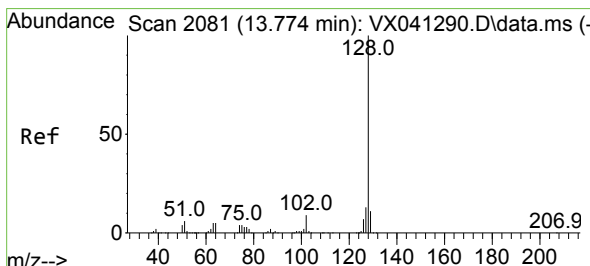
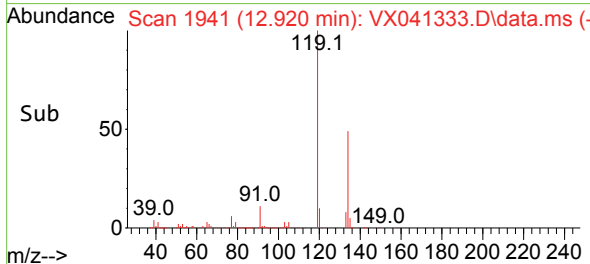
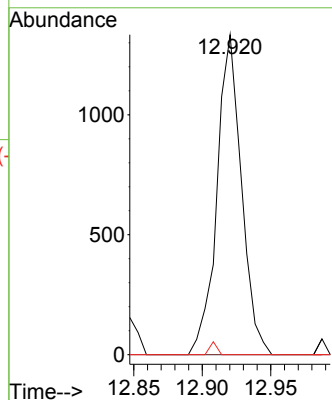
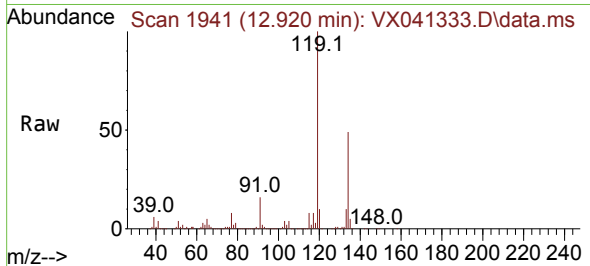




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.105 ug/l
RT: 12.920 min Scan# 1944
Delta R.T. -0.018 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 1660
Ion Ratio Lower Upper
75 100
155 0.0 36.1 108.5#
157 1.2 44.9 134.7#



#95
Naphthalene
Concen: 0.332 ug/l
RT: 13.792 min Scan# 2084
Delta R.T. 0.018 min
Lab File: VX041333.D
Acq: 01 May 2024 17:49

Tgt Ion: 128 Resp: 2634
Ion Ratio Lower Upper
128 100
127 36.0 10.3 15.5#
129 61.8 8.8 13.2#

