

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051124\
 Data File : VX041455.D
 Acq On : 10 May 2024 13:41
 Operator : JC/MD
 Sample : VX0511WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 11 01:33:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 06:03:16 2024
 Response via : Initial Calibration

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

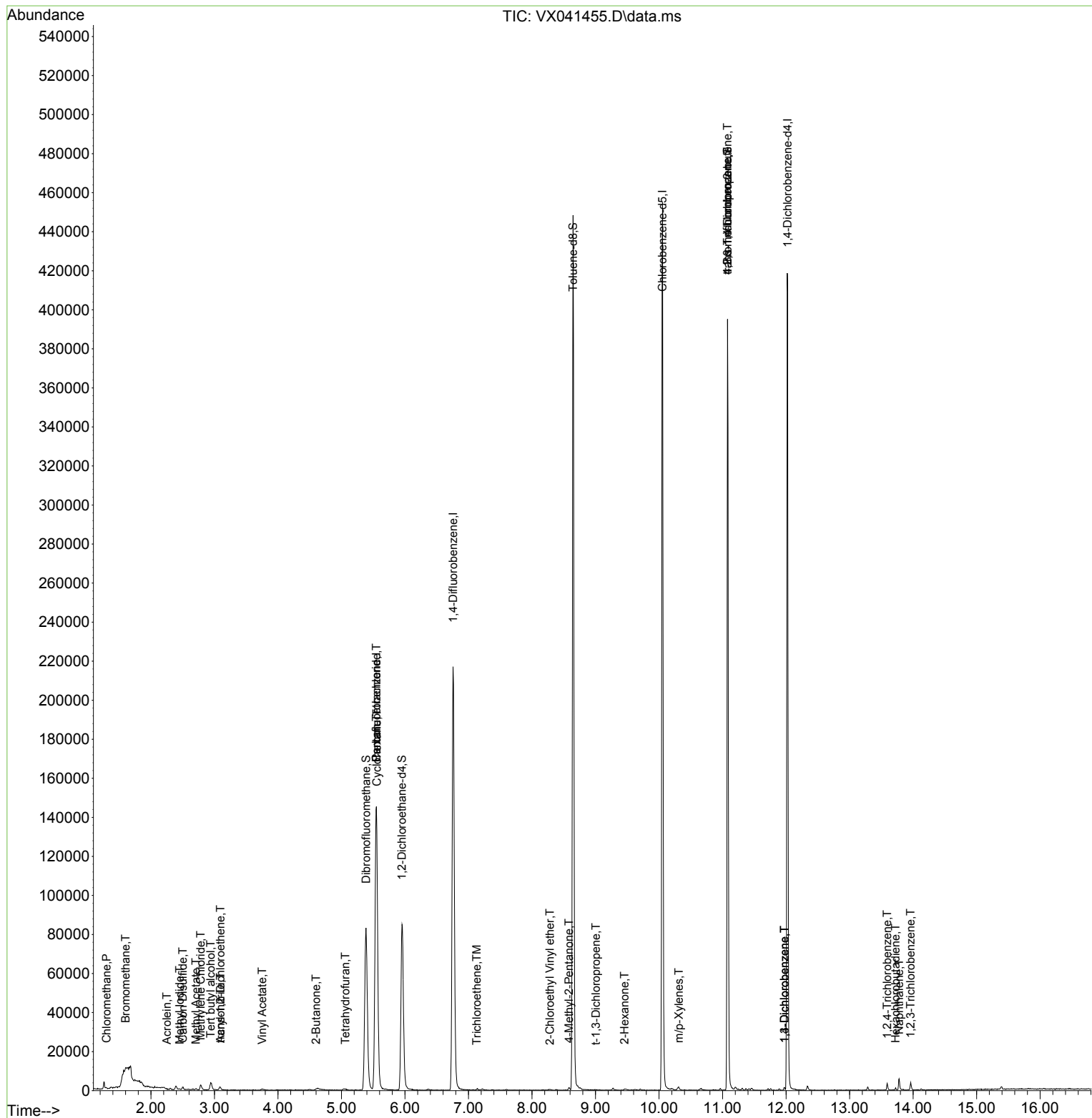
Internal Standards						
1) Pentafluorobenzene	5.550	168	156845	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	229759	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96433	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86709	50.782	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.560%
35) Dibromofluoromethane	5.385	113	71921	46.192	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.380%
50) Toluene-d8	8.647	98	267245	54.229	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	108.460%
62) 4-Bromofluorobenzene	11.079	95	98944	51.866	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.740%
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	356	0.267	ug/l	# 88
5) Bromomethane	1.599	94	871	1.093	ug/l	91
10) Methyl Iodide	2.453	142	631	0.476	ug/l	# 78
11) Tert butyl alcohol	2.941	59	2472	7.233	ug/l	# 78
13) Acrolein	2.252	56	226	0.834	ug/l	95
15) Acrylonitrile	3.093	53	809	1.037	ug/l	97
16) Acetone	2.392	43	2126	Below Cal		92
17) Carbon Disulfide	2.502	76	1889	0.661	ug/l	98
18) Methyl Acetate	2.709	43	661	0.378	ug/l	# 72
20) Methylene Chloride	2.782	84	1390	0.938	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	372	0.274	ug/l	# 61
23) Vinyl Acetate	3.751	43	1271	0.328	ug/l	# 73
25) 2-Butanone	4.599	43	286	0.259	ug/l	# 51
29) Tetrahydrofuran	5.062	42	696	0.963	ug/l	# 51
31) Cyclohexane	5.556	56	2867	1.391	ug/l	# 18
38) Carbon Tetrachloride	5.550	117	13841	6.489	ug/l	# 16
44) Trichloroethene	7.129	130	347	0.229	ug/l	73
51) 4-Methyl-2-Pentanone	8.580	43	1006	0.480	ug/l	90
53) t-1,3-Dichloropropene	9.007	75	198	2.531	ug/l	# 43
58) 2-Chloroethyl Vinyl ether	8.281	63	248	0.244	ug/l	# 47
59) 2-Hexanone	9.458	43	904	0.539	ug/l	78
68) m/p-Xylenes	10.311	106	611	0.210	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	49987	31.807	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	49987	86.639	ug/l	# 5
87) 1,3-Dichlorobenzene	11.976	146	691	0.229	ug/l	93
88) 1,4-Dichlorobenzene	11.976	146	691	0.222	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	1188	0.533	ug/l	92
94) Hexachlorobutadiene	13.725	225	298	0.268	ug/l	93
95) Naphthalene	13.780	128	5048	0.764	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1302	0.571	ug/l	95

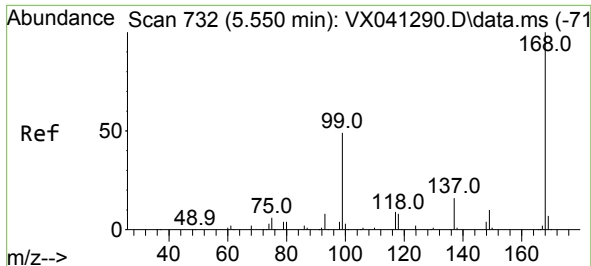
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

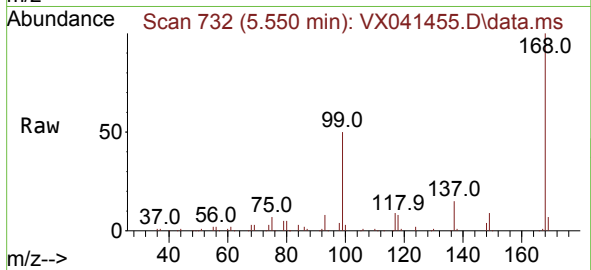
Quant Time: May 11 01:33:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
QLast Update : Wed May 08 06:03:16 2024
Response via : Initial Calibration



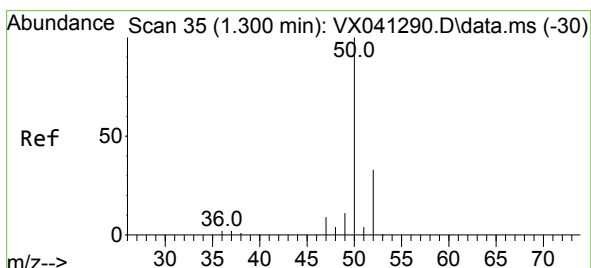
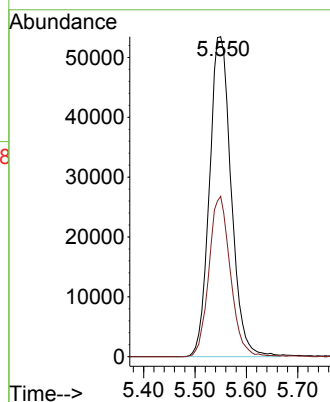
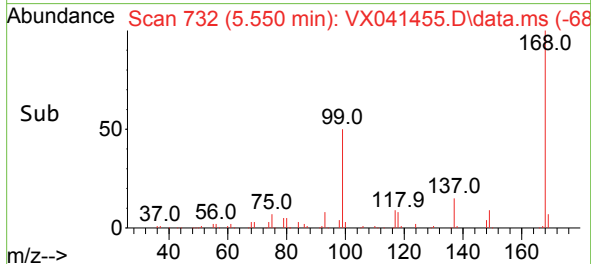


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

Instrument :
MSVOA_X
ClientSampleId :

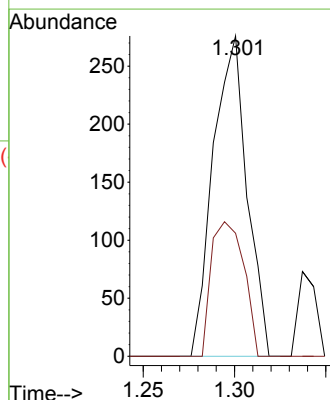
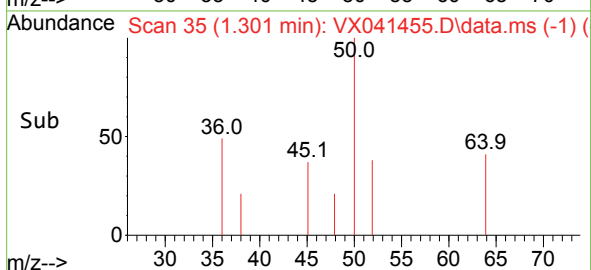
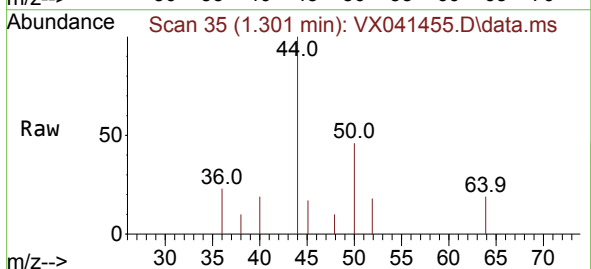


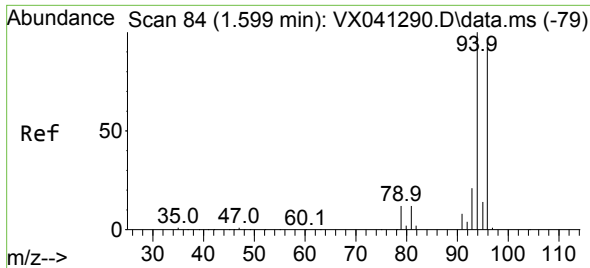
Tgt Ion:168 Resp: 156845
Ion Ratio Lower Upper
168 100
99 50.1 56.6 85.0#



#3
Chloromethane
Concen: 0.267 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

Tgt Ion: 50 Resp: 356
Ion Ratio Lower Upper
50 100
52 38.4 25.5 38.3#

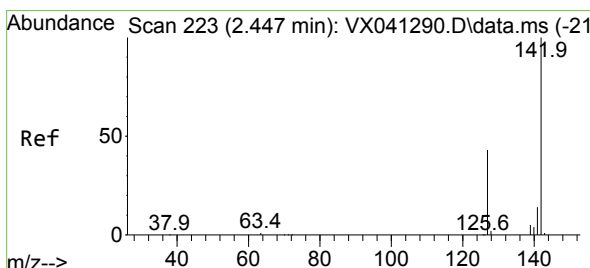
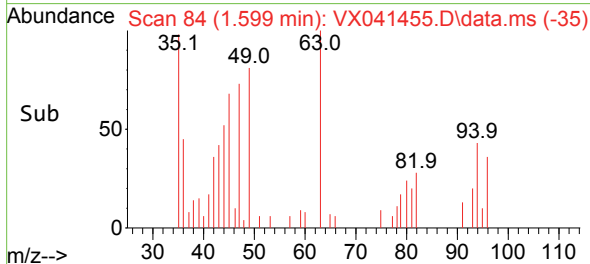
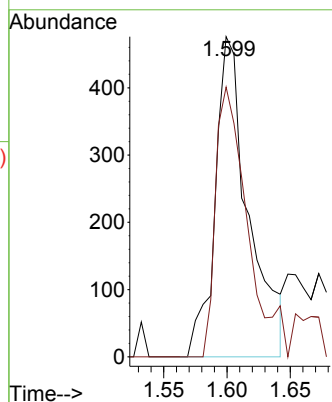
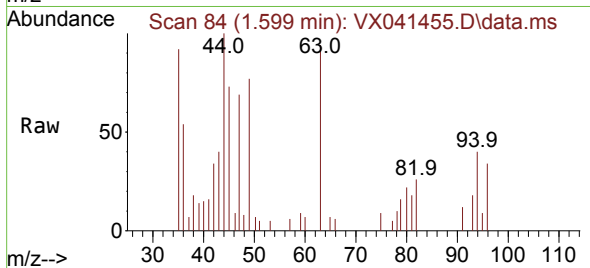




#5
Bromomethane
Concen: 1.093 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

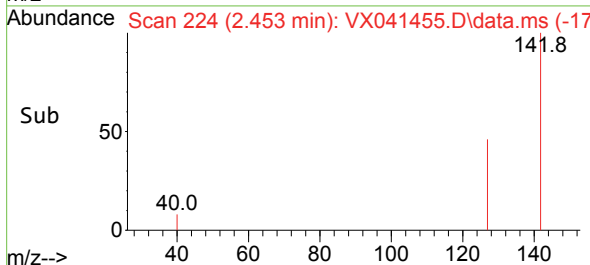
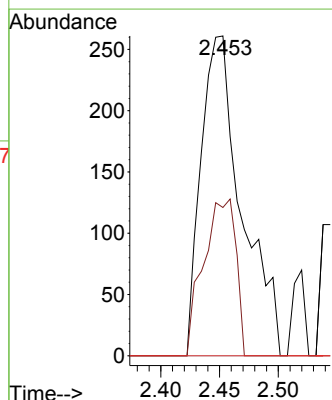
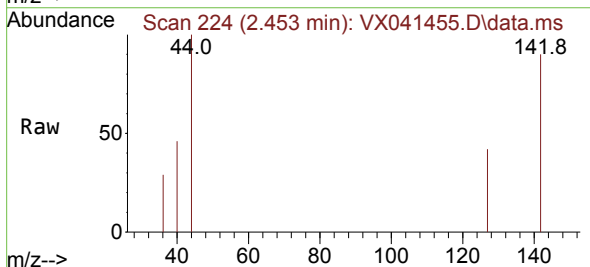
Instrument :
MSVOA_X
ClientSampleId :

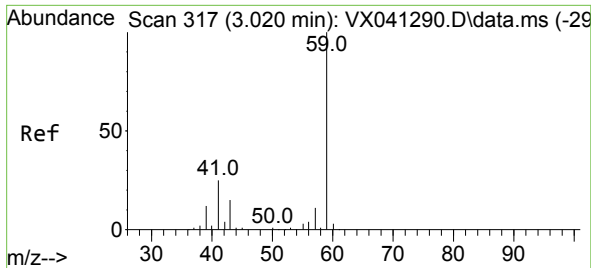
Tgt Ion: 94 Resp: 871
Ion Ratio Lower Upper
94 100
96 84.2 74.6 111.8



#10
Methyl Iodide
Concen: 0.476 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.006 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

Tgt Ion: 142 Resp: 631
Ion Ratio Lower Upper
142 100
127 38.8 41.6 62.4#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 7.233 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.079 min

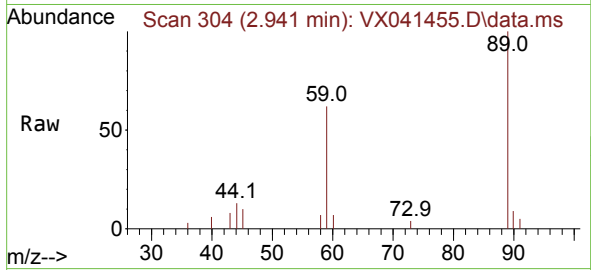
Lab File: VX041455.D

Acq: 10 May 2024 13:41

Instrument :

MSVOA_X

ClientSampleId :

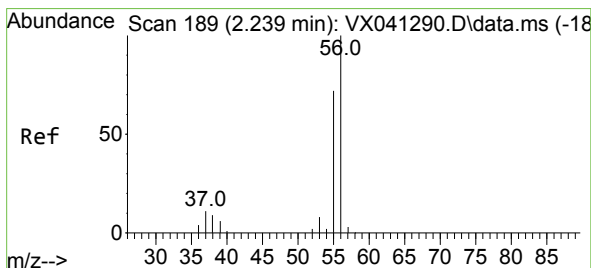
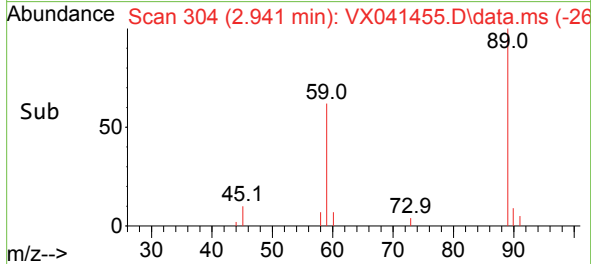
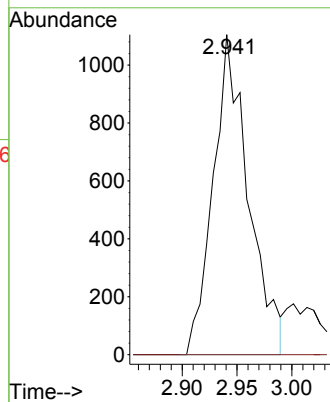


Tgt Ion: 59 Resp: 2472

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.834 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.012 min

Lab File: VX041455.D

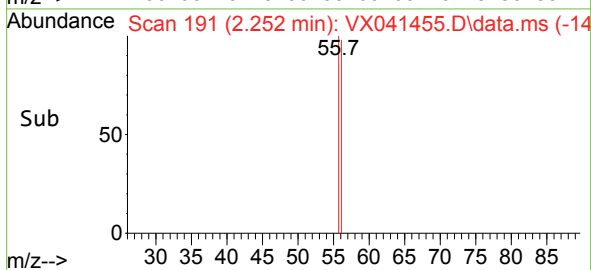
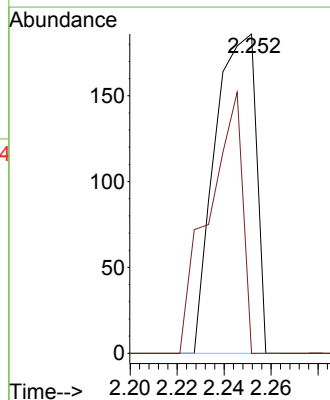
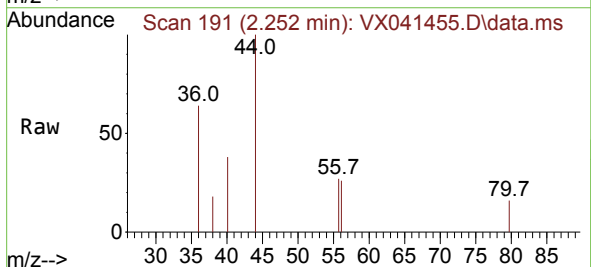
Acq: 10 May 2024 13:41

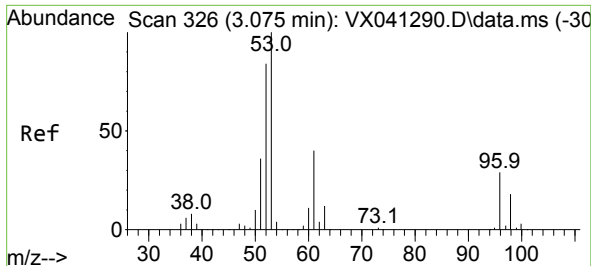
Tgt Ion: 56 Resp: 226

Ion Ratio Lower Upper

56 100

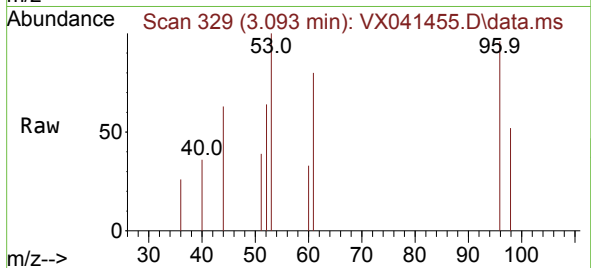
55 67.3 57.1 85.7



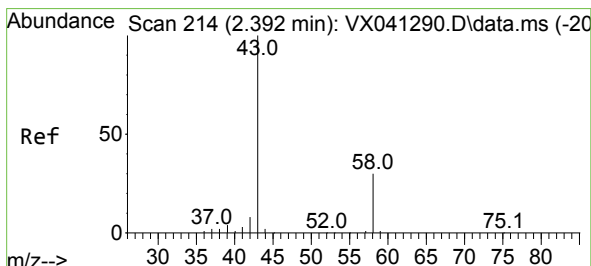
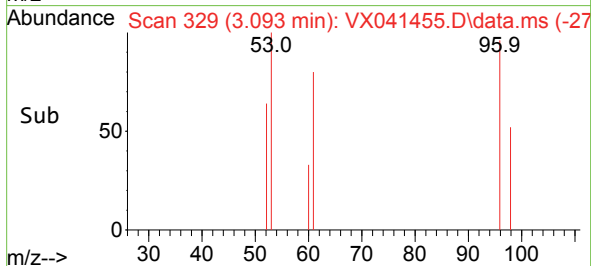
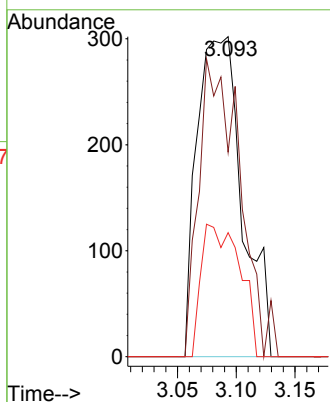


#15
Acrylonitrile
Concen: 1.037 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

Instrument :
MSVOA_X
ClientSampleId :

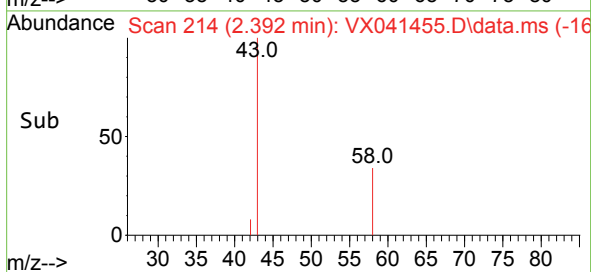
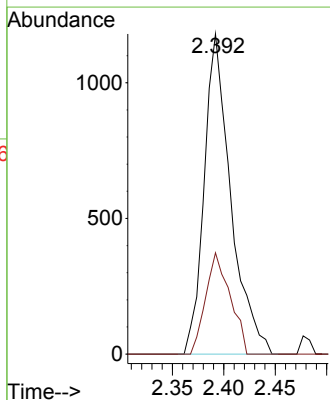
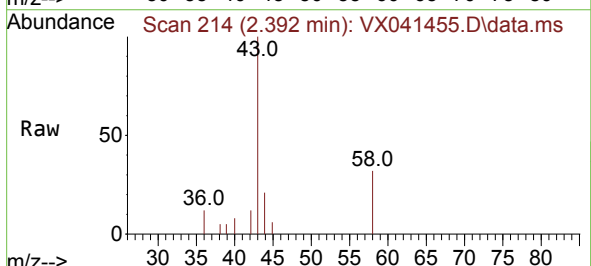


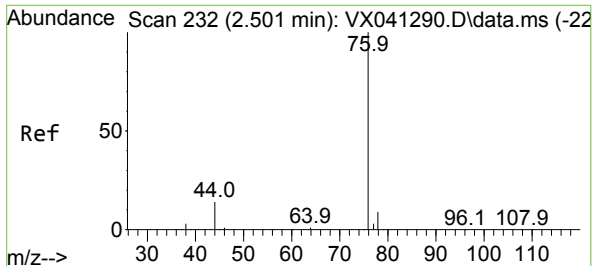
Tgt Ion: 53 Resp: 809
Ion Ratio Lower Upper
53 100
52 84.7 66.0 99.0
51 35.5 29.8 44.6



#16
Acetone
Concen: Below Cal
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

Tgt Ion: 43 Resp: 2126
Ion Ratio Lower Upper
43 100
58 31.6 21.9 32.9

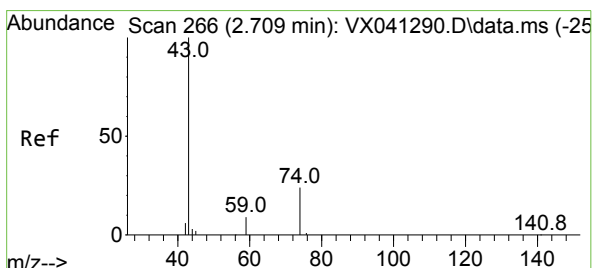
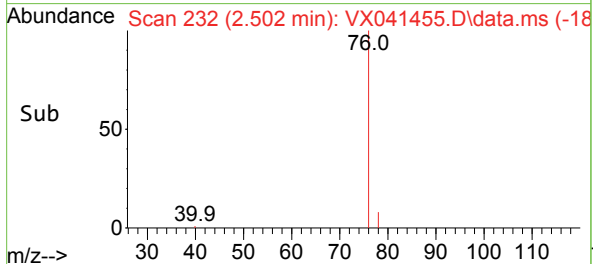
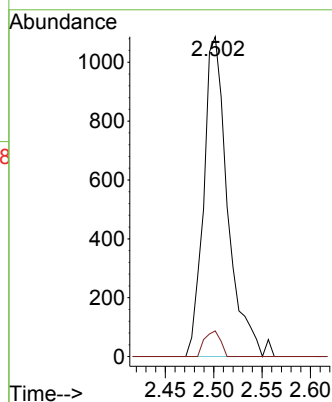
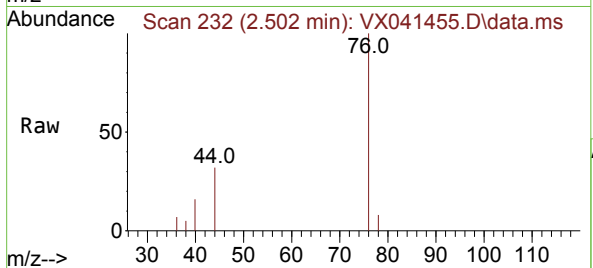




#17
Carbon Disulfide
Concen: 0.661 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

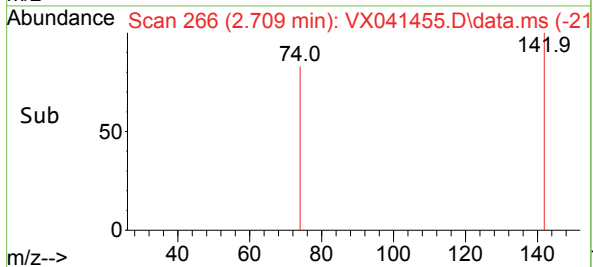
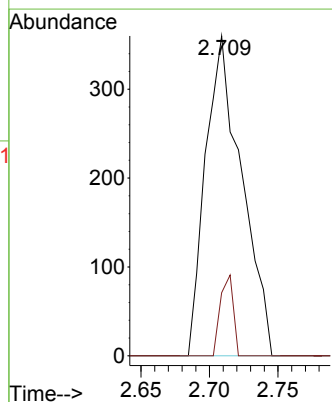
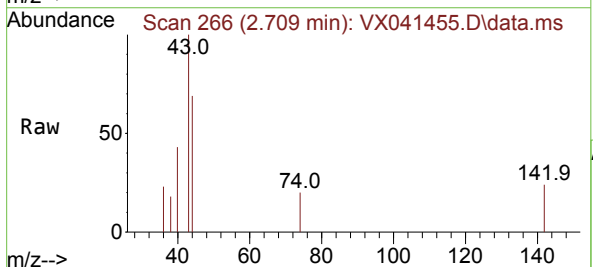
Instrument :
MSVOA_X
ClientSampleId :

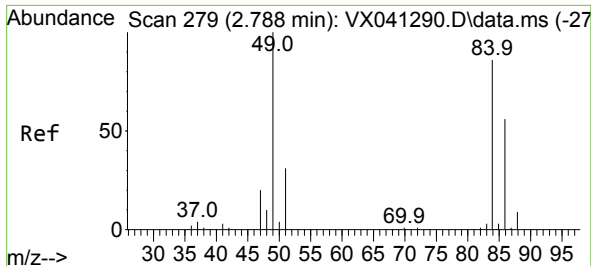
Tgt Ion: 76 Resp: 1889
Ion Ratio Lower Upper
76 100
78 8.0 7.0 10.6



#18
Methyl Acetate
Concen: 0.378 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

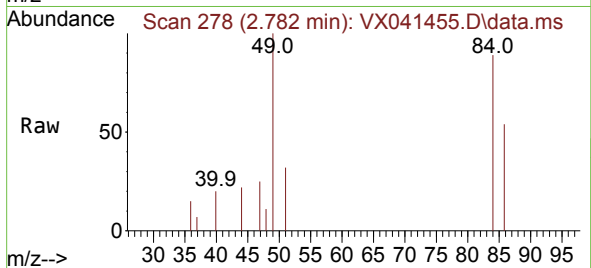
Tgt Ion: 43 Resp: 661
Ion Ratio Lower Upper
43 100
74 8.9 17.8 26.8#





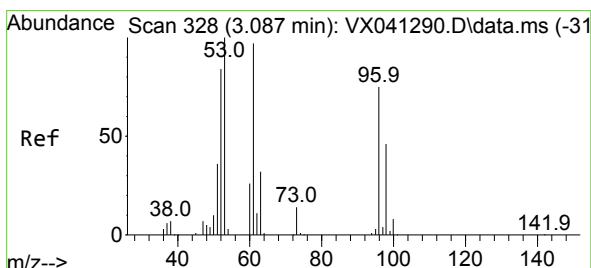
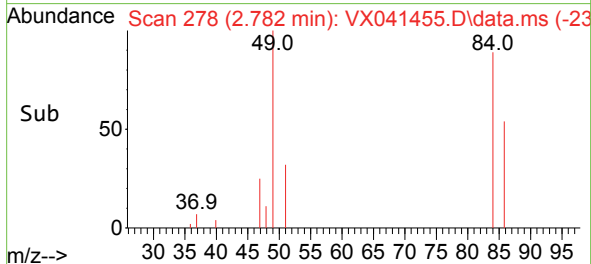
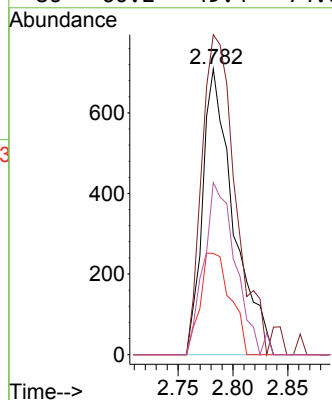
#20
Methylene Chloride
Concen: 0.938 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 1390

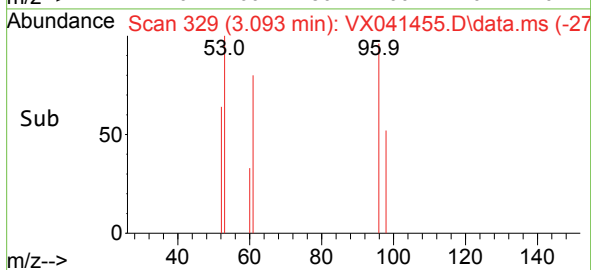
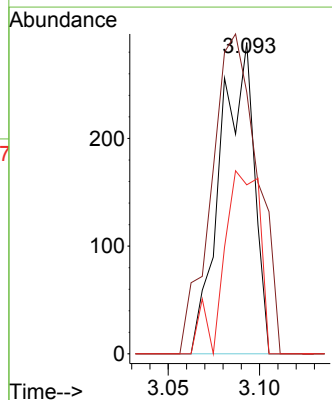
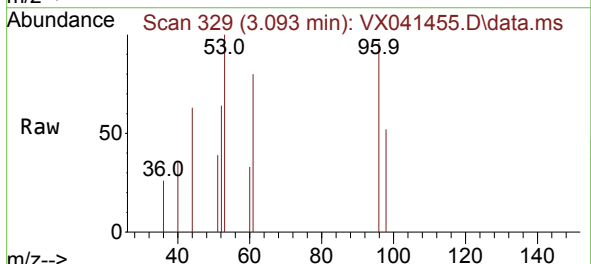
Ion	Ratio	Lower	Upper
84	100		
49	112.0	103.6	155.4
51	35.4	33.8	50.6
86	60.2	49.4	74.0

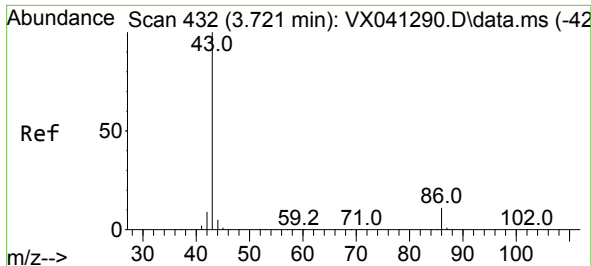


#21
trans-1,2-Dichloroethene
Concen: 0.274 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

Tgt Ion: 96 Resp: 372

Ion	Ratio	Lower	Upper
96	100		
61	84.1	119.2	178.8#
98	54.3	48.7	73.1

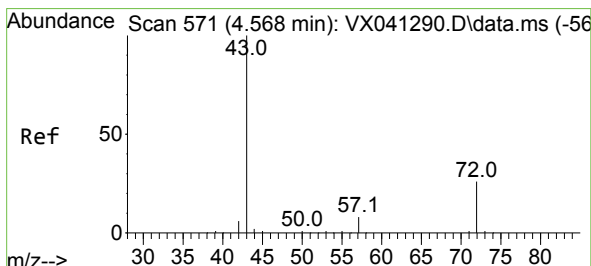
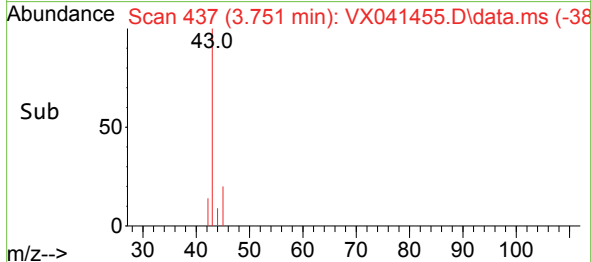
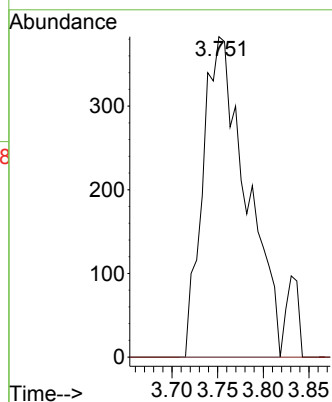
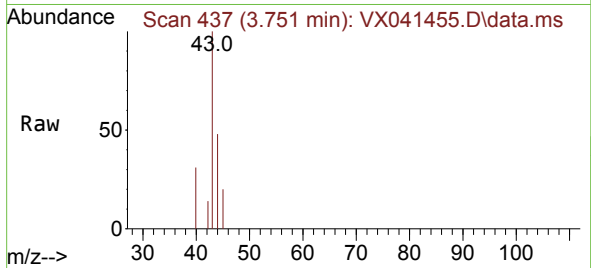




#23
 Vinyl Acetate
 Concen: 0.328 ug/l
 RT: 3.751 min Scan# 41
 Delta R.T. 0.031 min
 Lab File: VX041455.D
 Acq: 10 May 2024 13:41

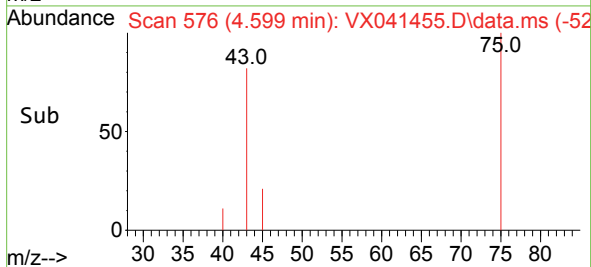
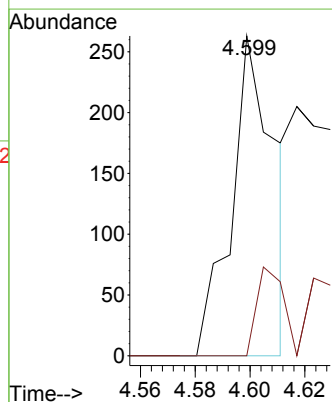
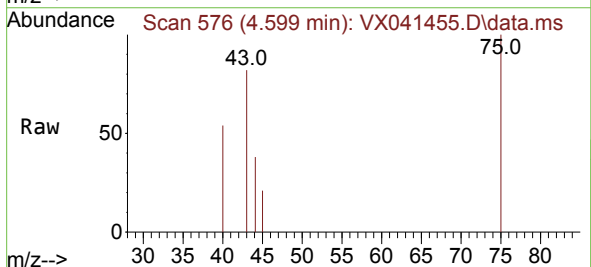
Instrument :
 MSVOA_X
 ClientSampleId :

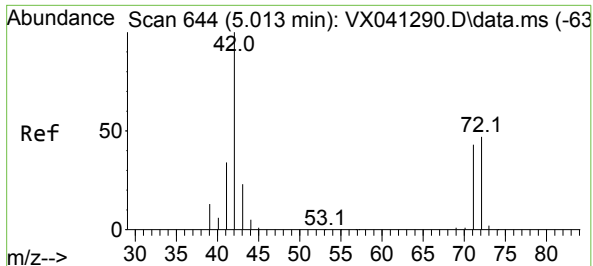
Tgt Ion: 43 Resp: 1271
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#25
 2-Butanone
 Concen: 0.259 ug/l
 RT: 4.599 min Scan# 576
 Delta R.T. 0.031 min
 Lab File: VX041455.D
 Acq: 10 May 2024 13:41

Tgt Ion: 43 Resp: 286
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.963 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.049 min

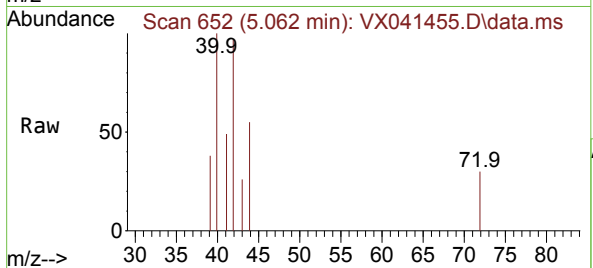
Lab File: VX041455.D

Acq: 10 May 2024 13:41

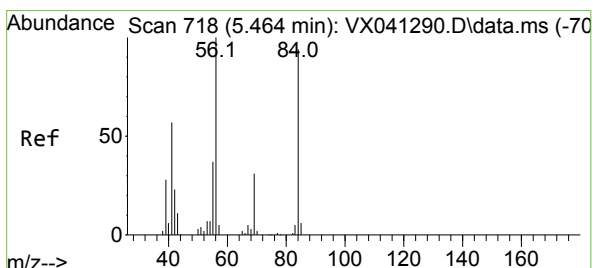
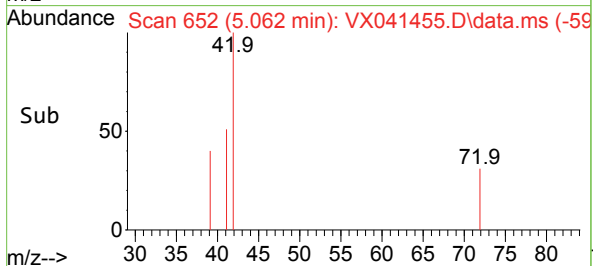
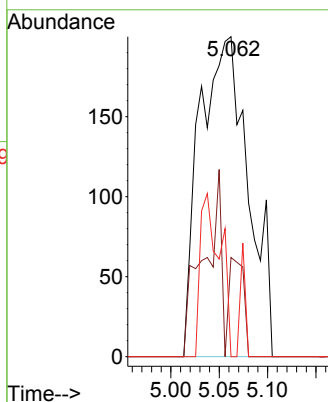
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 42	Resp: 696
Ion Ratio	Lower Upper
42	100
72	21.4 34.2 51.4#
71	0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.391 ug/l

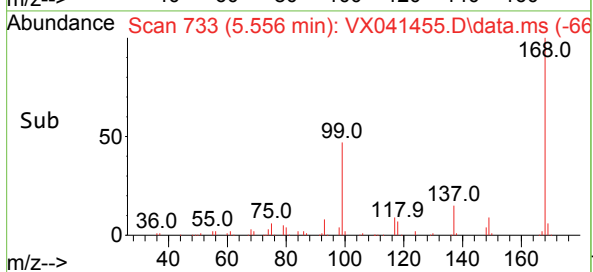
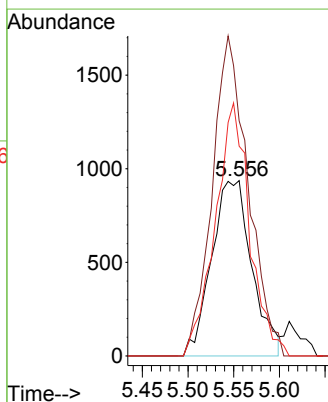
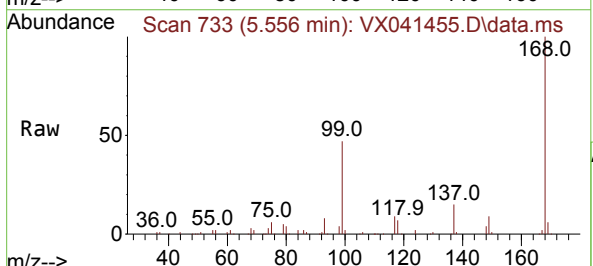
RT: 5.556 min Scan# 733

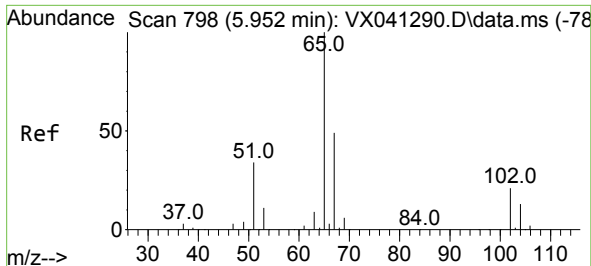
Delta R.T. 0.092 min

Lab File: VX041455.D

Acq: 10 May 2024 13:41

Tgt Ion: 56	Resp: 2867
Ion Ratio	Lower Upper
56	100
69	133.9 23.4 35.2#
84	119.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 50.782 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041455.D

Acq: 10 May 2024 13:41

Instrument :

MSVOA_X

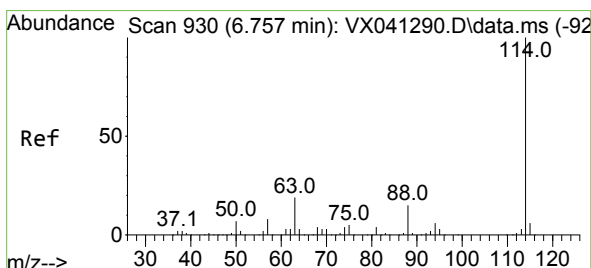
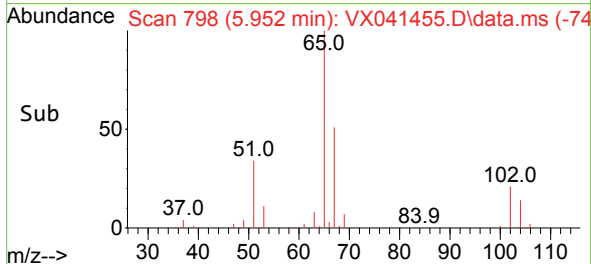
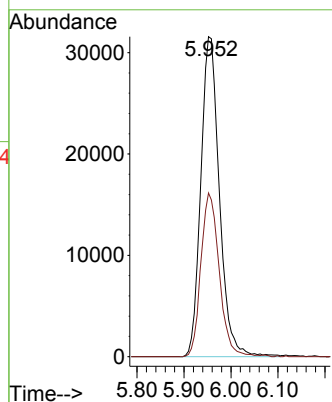
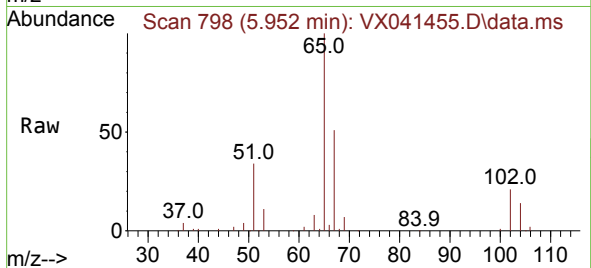
ClientSampleId :

Tgt Ion: 65 Resp: 86709

Ion Ratio Lower Upper

65 100

67 50.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX041455.D

Acq: 10 May 2024 13:41

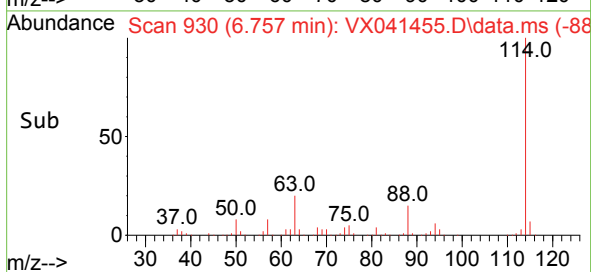
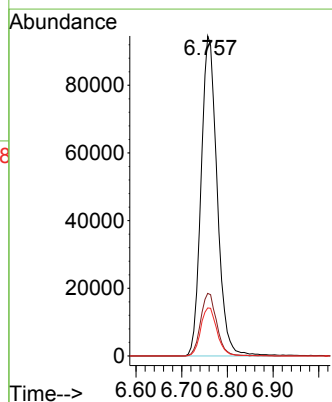
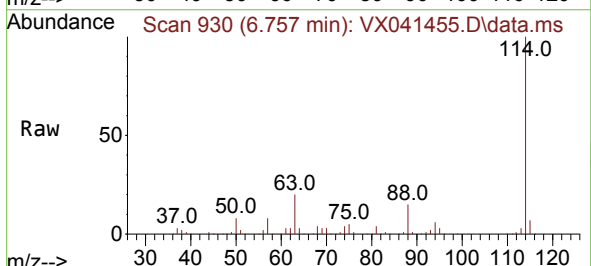
Tgt Ion: 114 Resp: 229759

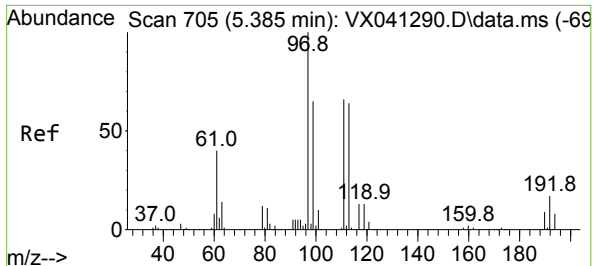
Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.0

88 15.0 0.0 36.6

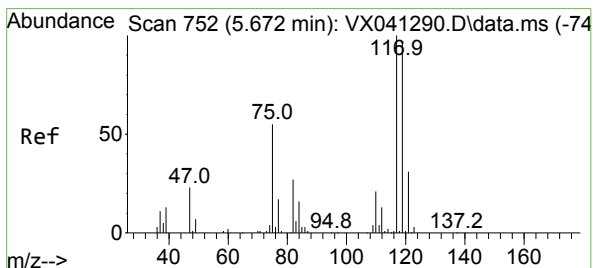
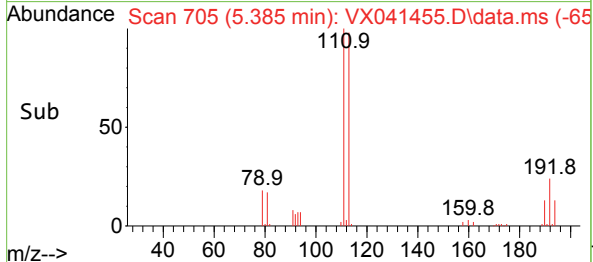
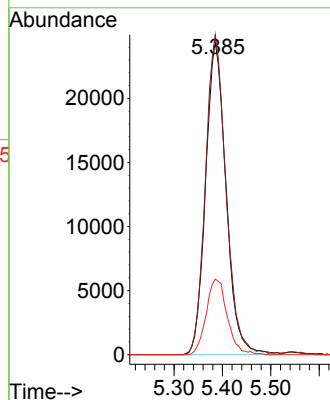
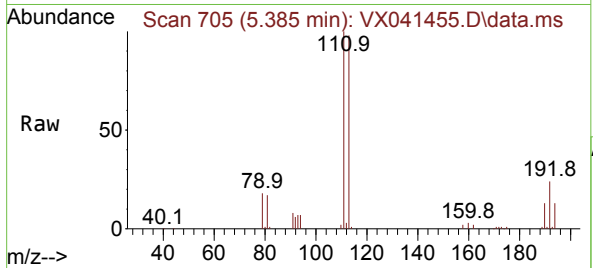




#35
Dibromofluoromethane
Concen: 46.192 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

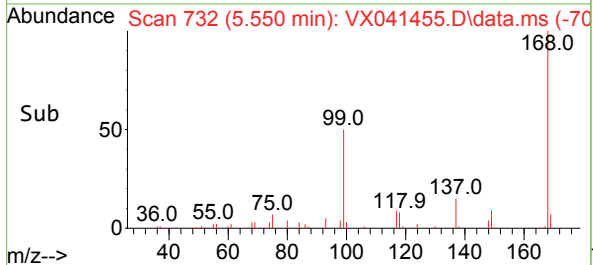
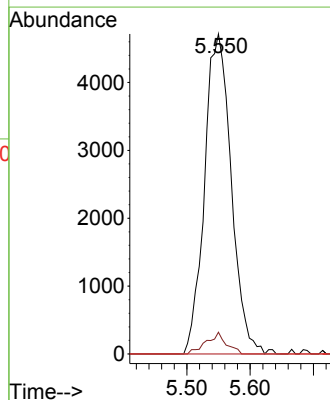
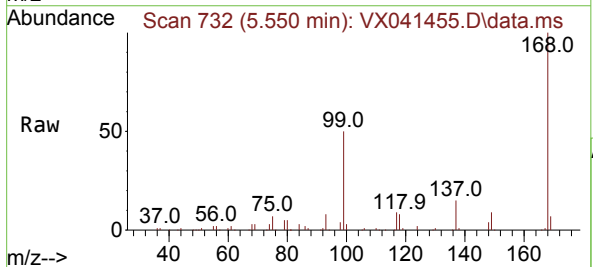
Instrument :
MSVOA_X
ClientSampleId :

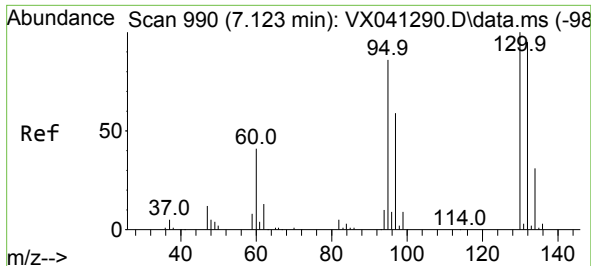
Tgt Ion:113 Resp: 71921
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 24.8 13.3 19.9#



#38
Carbon Tetrachloride
Concen: 6.489 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

Tgt Ion:117 Resp: 13841
Ion Ratio Lower Upper
117 100
119 6.8 78.2 117.2#
121 0.0 24.4 36.6#

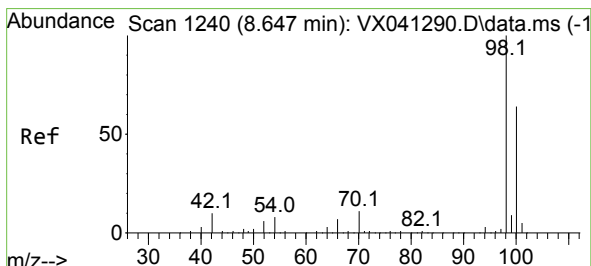
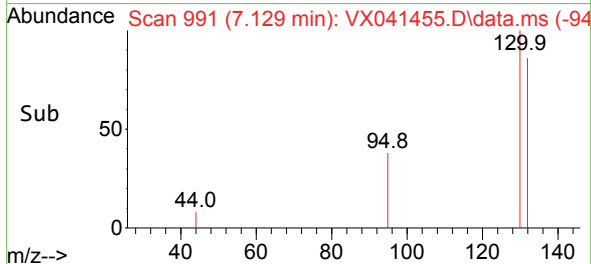
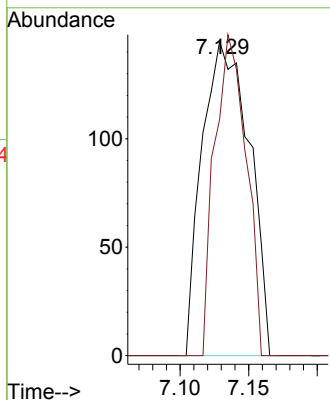
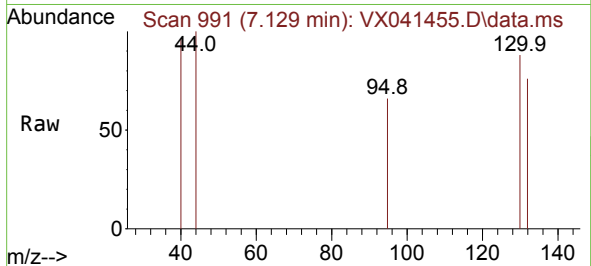




#44
Trichloroethene
Concen: 0.229 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

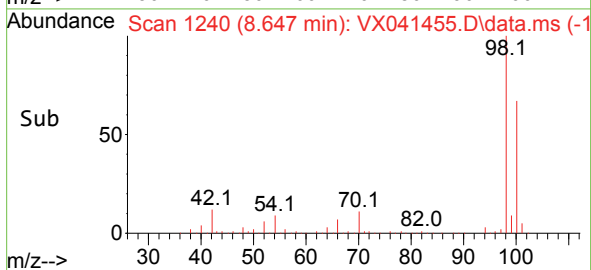
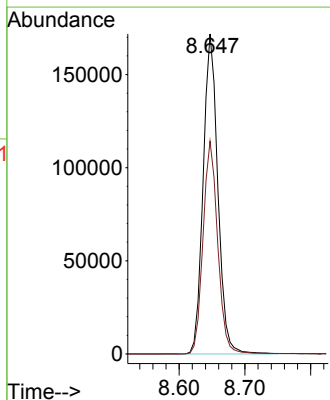
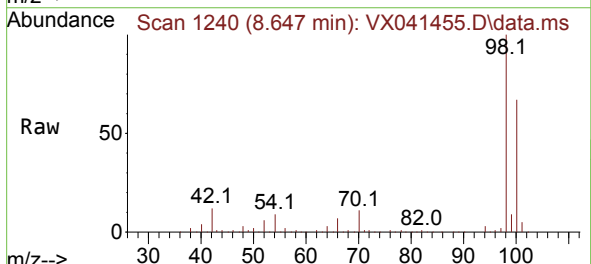
Instrument :
MSVOA_X
ClientSampleId :

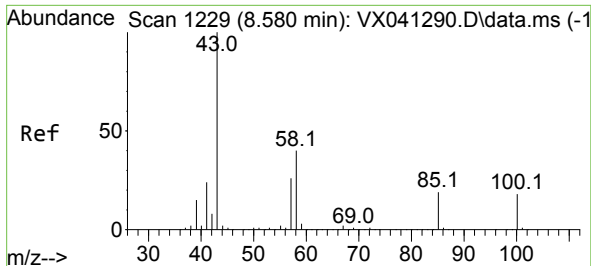
Tgt Ion:130 Resp: 347
Ion Ratio Lower Upper
130 100
95 75.2 0.0 204.4



#50
Toluene-d8
Concen: 54.229 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

Tgt Ion: 98 Resp: 267245
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7

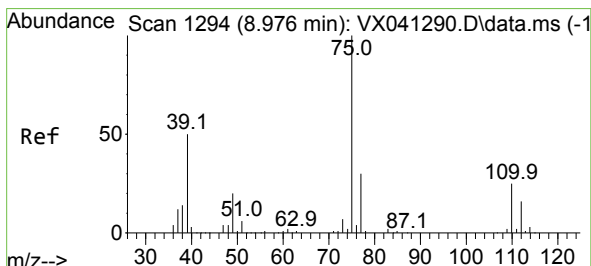
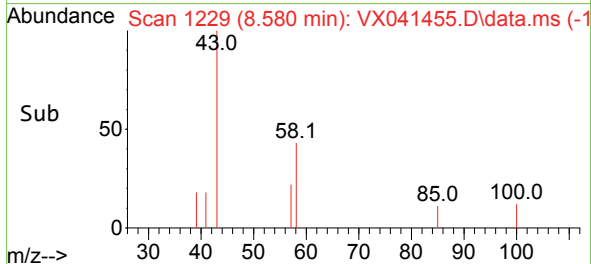
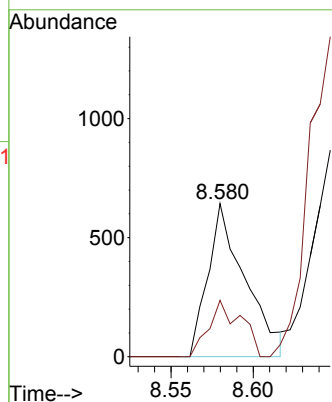
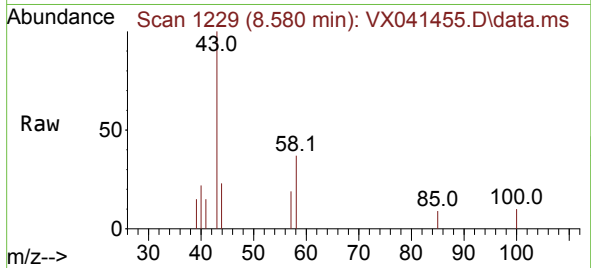




#51
4-Methyl-2-Pentanone
Concen: 0.480 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

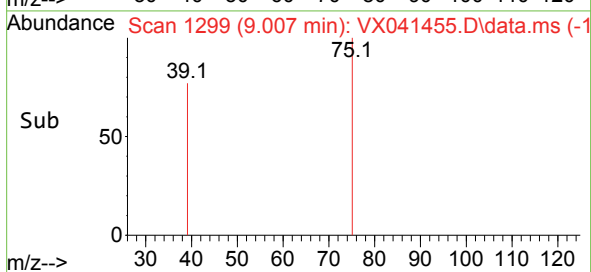
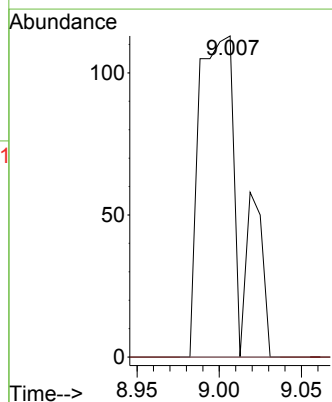
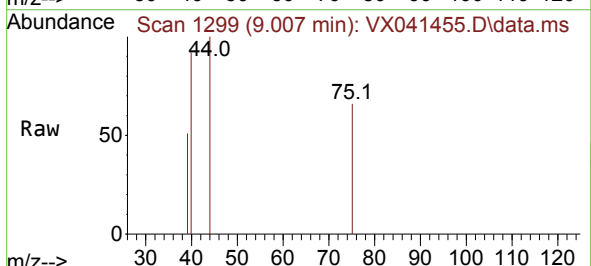
Instrument :
MSVOA_X
ClientSampleId :

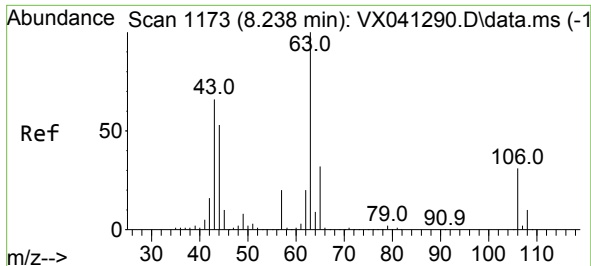
Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
58 32.1 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.531 ug/l
RT: 9.007 min Scan# 1299
Delta R.T. 0.031 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

Tgt Ion: 75 Resp: 198
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

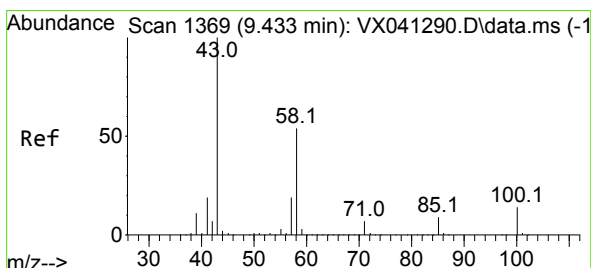
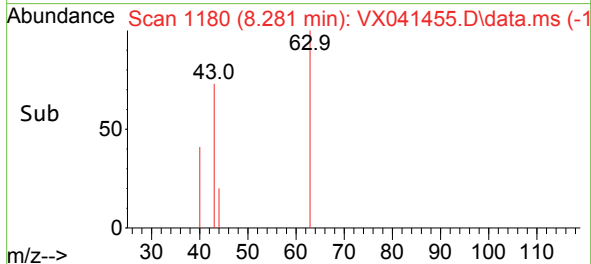
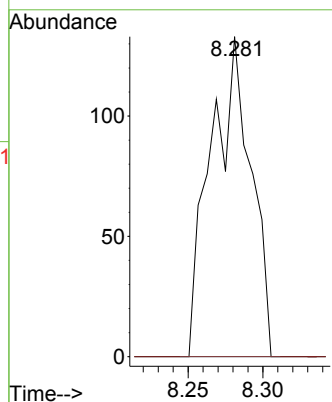
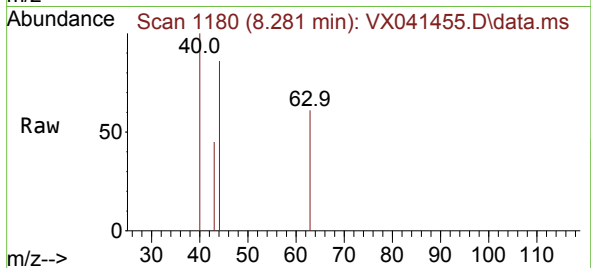




#58
2-Chloroethyl Vinyl ether
Concen: 0.244 ug/l
RT: 8.281 min Scan# 1173
Delta R.T. 0.043 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

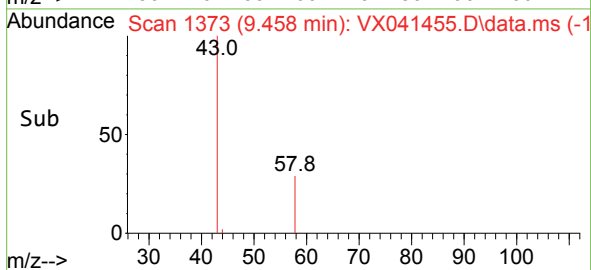
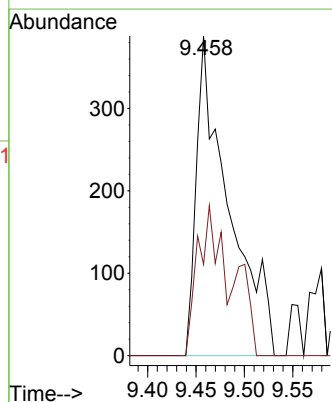
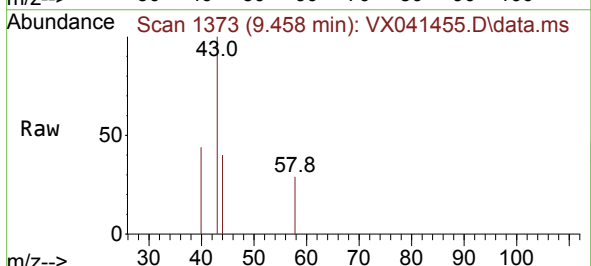
Instrument :
MSVOA_X
ClientSampleId :

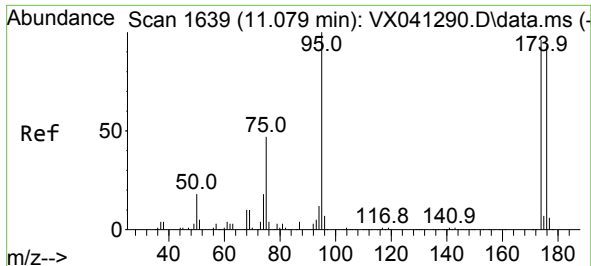
Tgt Ion: 63 Resp: 248
Ion Ratio Lower Upper
63 100
106 0.0 22.5 33.7#



#59
2-Hexanone
Concen: 0.539 ug/l
RT: 9.458 min Scan# 1373
Delta R.T. 0.025 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

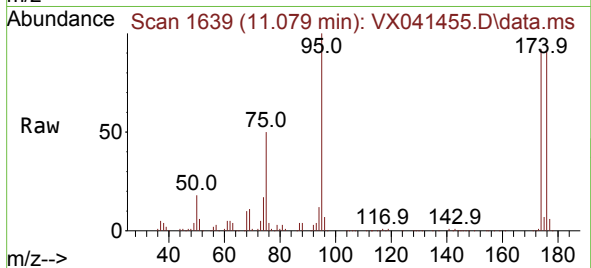
Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
58 36.7 26.2 78.5



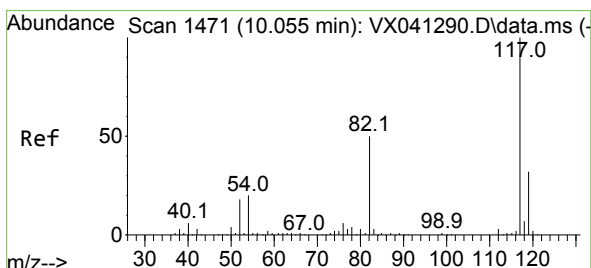
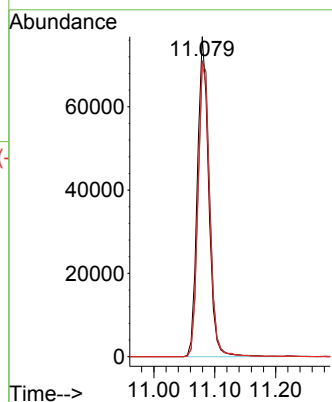
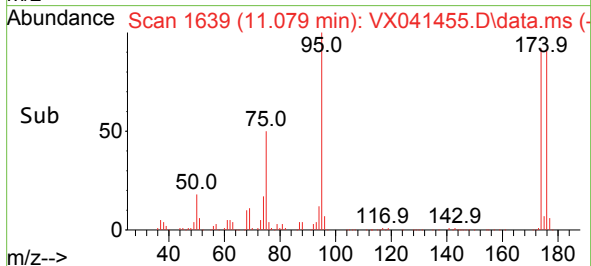


#62
4-Bromofluorobenzene
Concen: 51.866 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

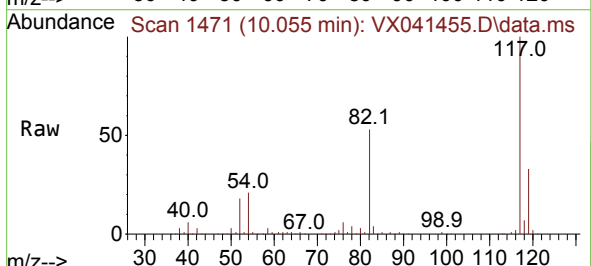
Instrument :
MSVOA_X
ClientSampleId :



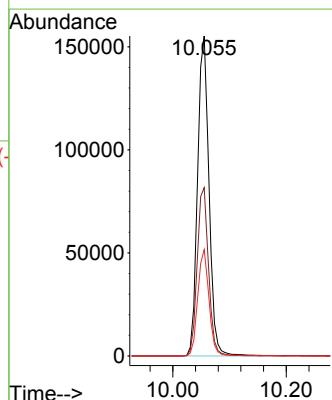
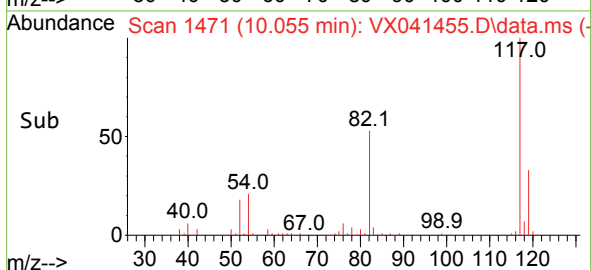
Tgt Ion: 95 Resp: 98944
Ion Ratio Lower Upper
95 100
174 97.3 0.0 135.6
176 94.6 0.0 131.0

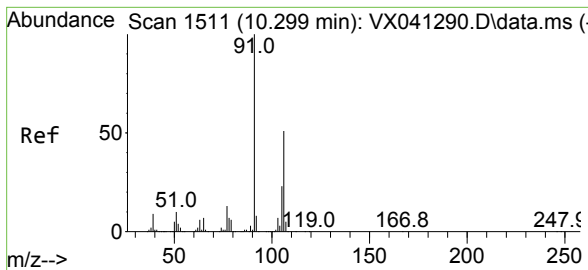


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41



Tgt Ion: 117 Resp: 217088
Ion Ratio Lower Upper
117 100
82 52.6 46.2 69.4
119 33.3 25.5 38.3

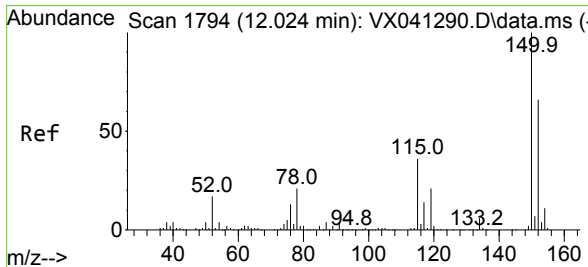
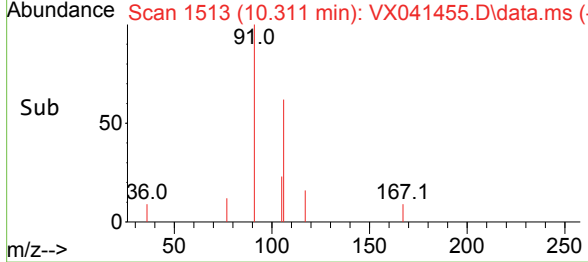
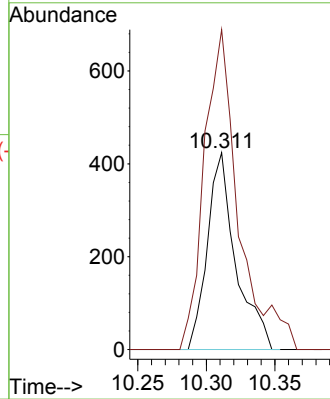
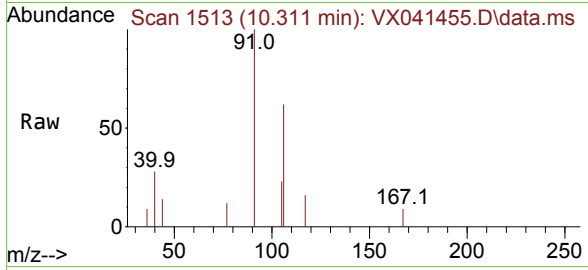




#68
m/p-Xylenes
Concen: 0.210 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

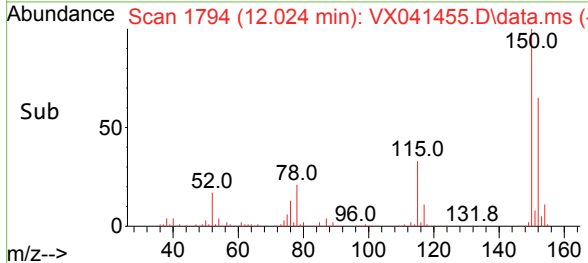
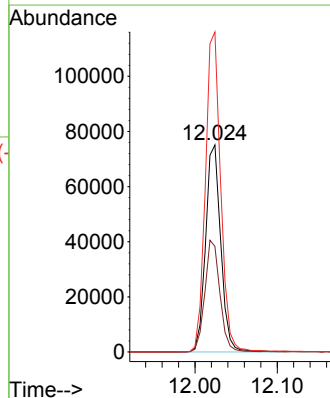
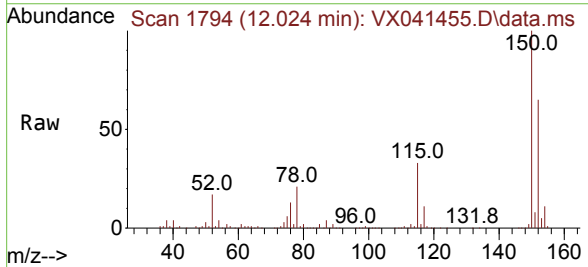
Instrument :
MSVOA_X
ClientSampleId :

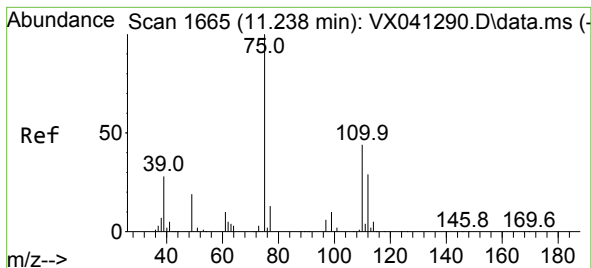
Tgt Ion:106 Resp: 611
Ion Ratio Lower Upper
106 100
91 195.7 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX041455.D
Acq: 10 May 2024 13:41

Tgt Ion:152 Resp: 96433
Ion Ratio Lower Upper
152 100
115 53.6 43.3 129.9
150 155.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 31.807 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041455.D

Acq: 10 May 2024 13:41

Instrument :

MSVOA_X

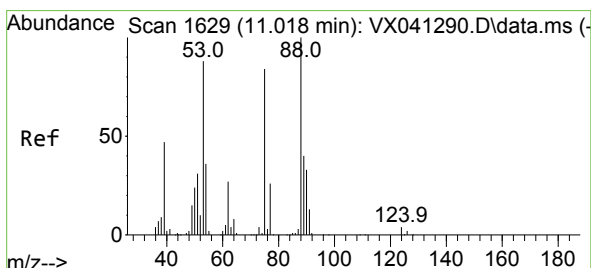
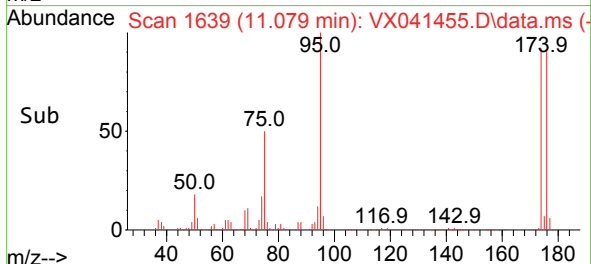
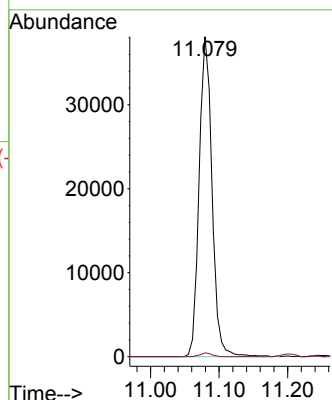
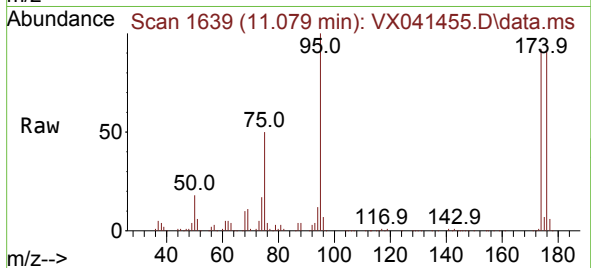
ClientSampleId :

Tgt Ion: 75 Resp: 49987

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.639 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041455.D

Acq: 10 May 2024 13:41

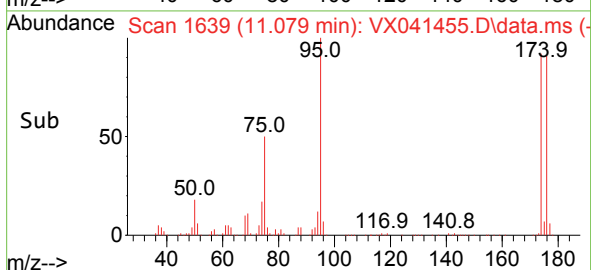
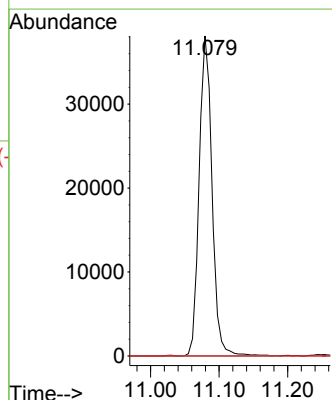
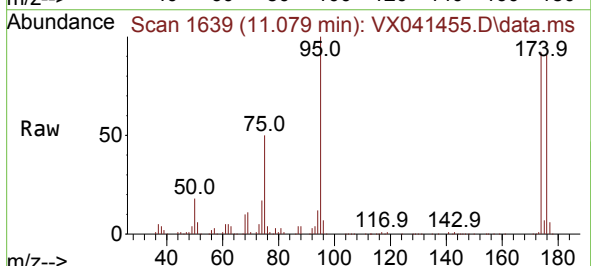
Tgt Ion: 75 Resp: 49987

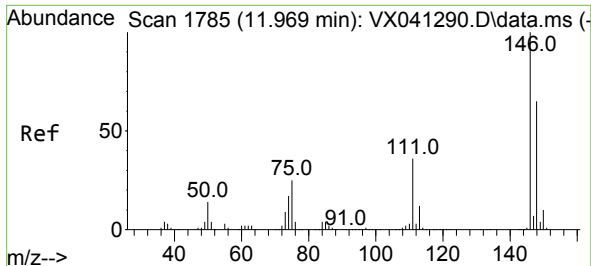
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.229 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX041455.D

Acq: 10 May 2024 13:41

Instrument :

MSVOA_X

ClientSampleId :

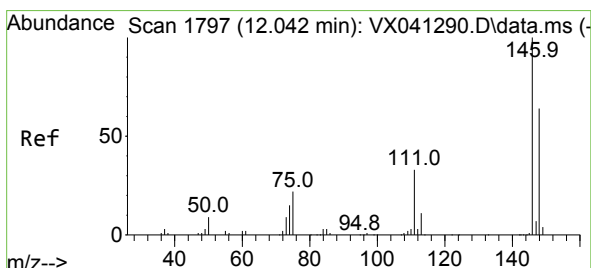
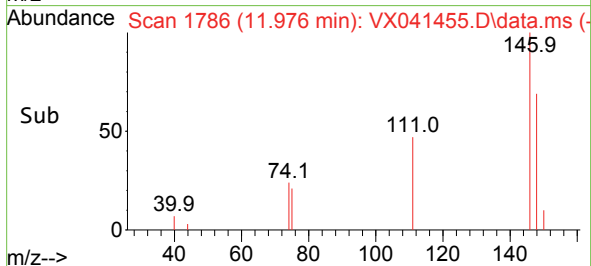
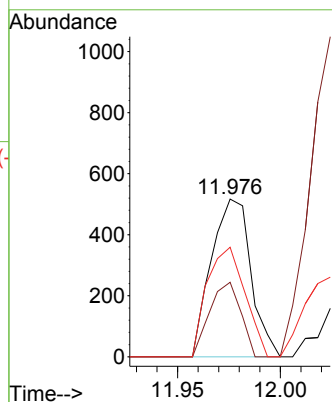
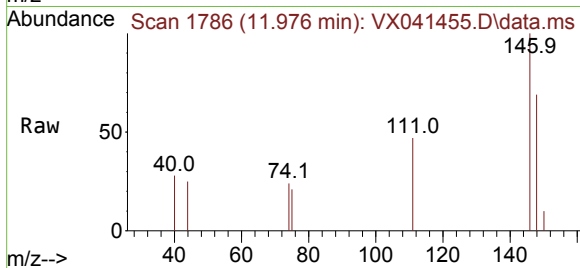
Tgt Ion:146 Resp: 691

Ion Ratio Lower Upper

146 100

111 37.0 22.1 66.1

148 66.4 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.222 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX041455.D

Acq: 10 May 2024 13:41

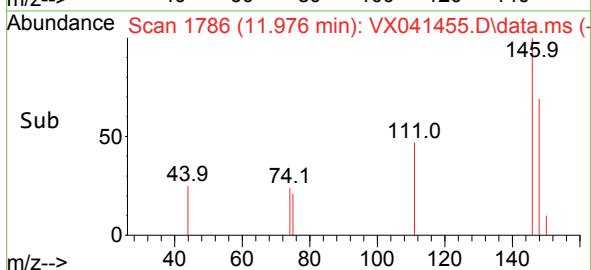
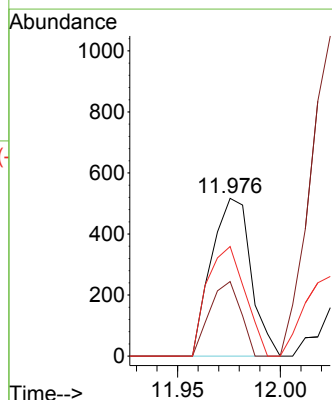
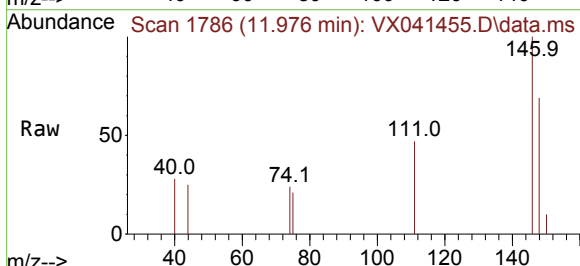
Tgt Ion:146 Resp: 691

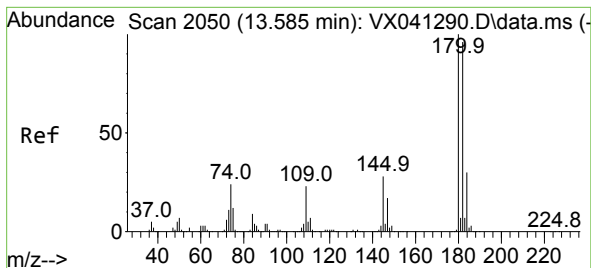
Ion Ratio Lower Upper

146 100

111 37.0 21.3 63.7

148 66.4 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 0.533 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX041455.D

Acq: 10 May 2024 13:41

Instrument :

MSVOA_X

ClientSampleId :

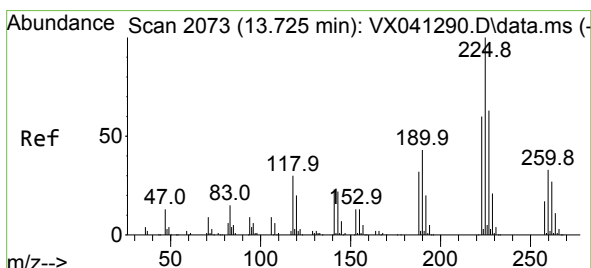
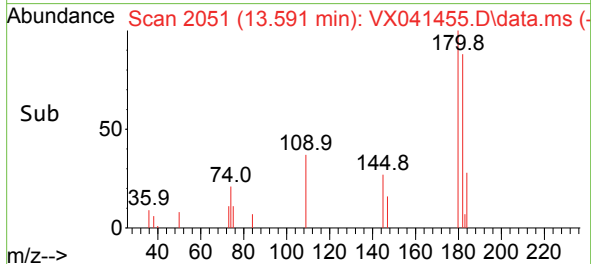
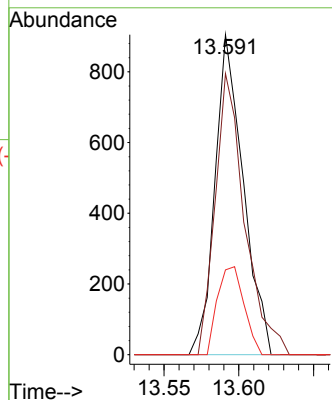
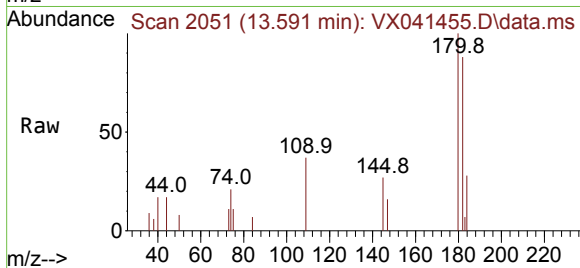
Tgt Ion:180 Resp: 1188

Ion Ratio Lower Upper

180 100

182 91.7 48.3 144.8

145 25.8 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.268 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX041455.D

Acq: 10 May 2024 13:41

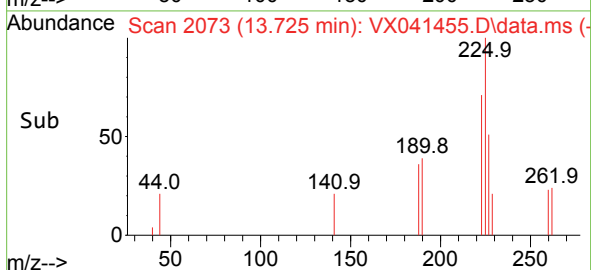
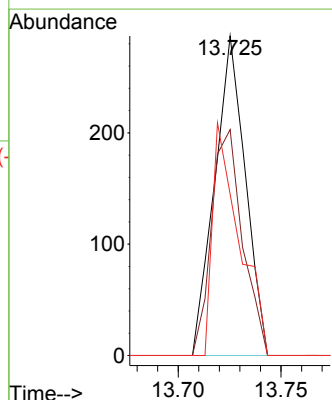
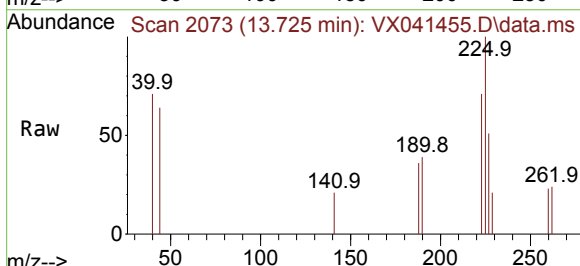
Tgt Ion:225 Resp: 298

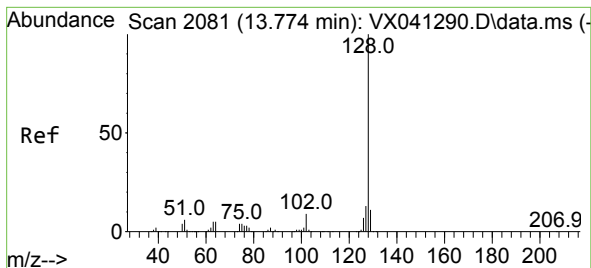
Ion Ratio Lower Upper

225 100

223 71.8 31.1 93.2

227 63.4 32.5 97.5





#95

Naphthalene

Concen: 0.764 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX041455.D

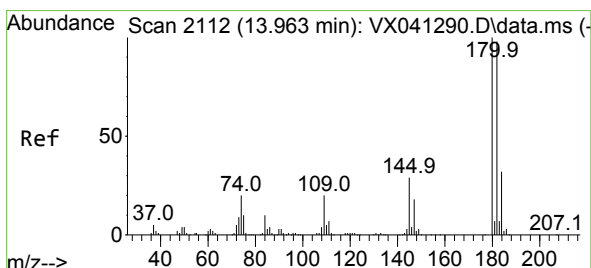
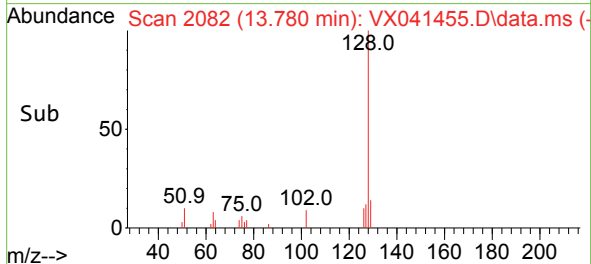
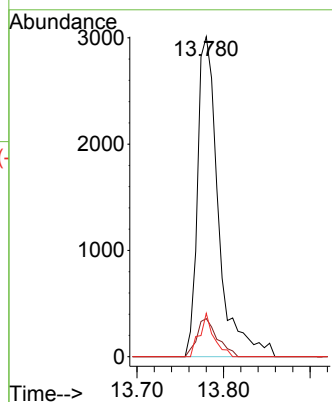
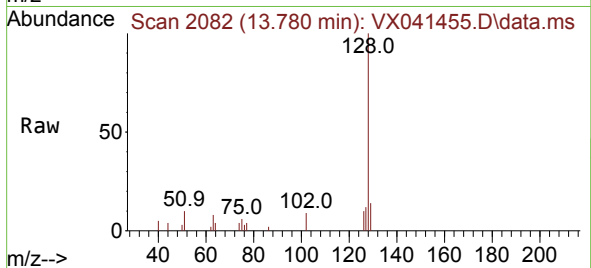
Acq: 10 May 2024 13:41

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	5048
Ion Ratio	Lower	Upper
128	100	
127	11.7	10.3 15.5
129	9.3	8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.571 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX041455.D

Acq: 10 May 2024 13:41

Tgt Ion:180	Resp:	1302
Ion Ratio	Lower	Upper
180	100	
182	97.8	46.9 140.6
145	31.0	17.8 53.5

