

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060424\
 Data File : VX041723.D
 Acq On : 04 Jun 2024 10:25
 Operator : JC/MD
 Sample : VX0604MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 04:52:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:36:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	152360	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	235353	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111833	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87635	46.898	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.800%
35) Dibromofluoromethane	5.385	113	74497	45.782	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.560%
50) Toluene-d8	8.646	98	272523	47.931	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.860%
62) 4-Bromofluorobenzene	11.079	95	102701	48.941	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.880%

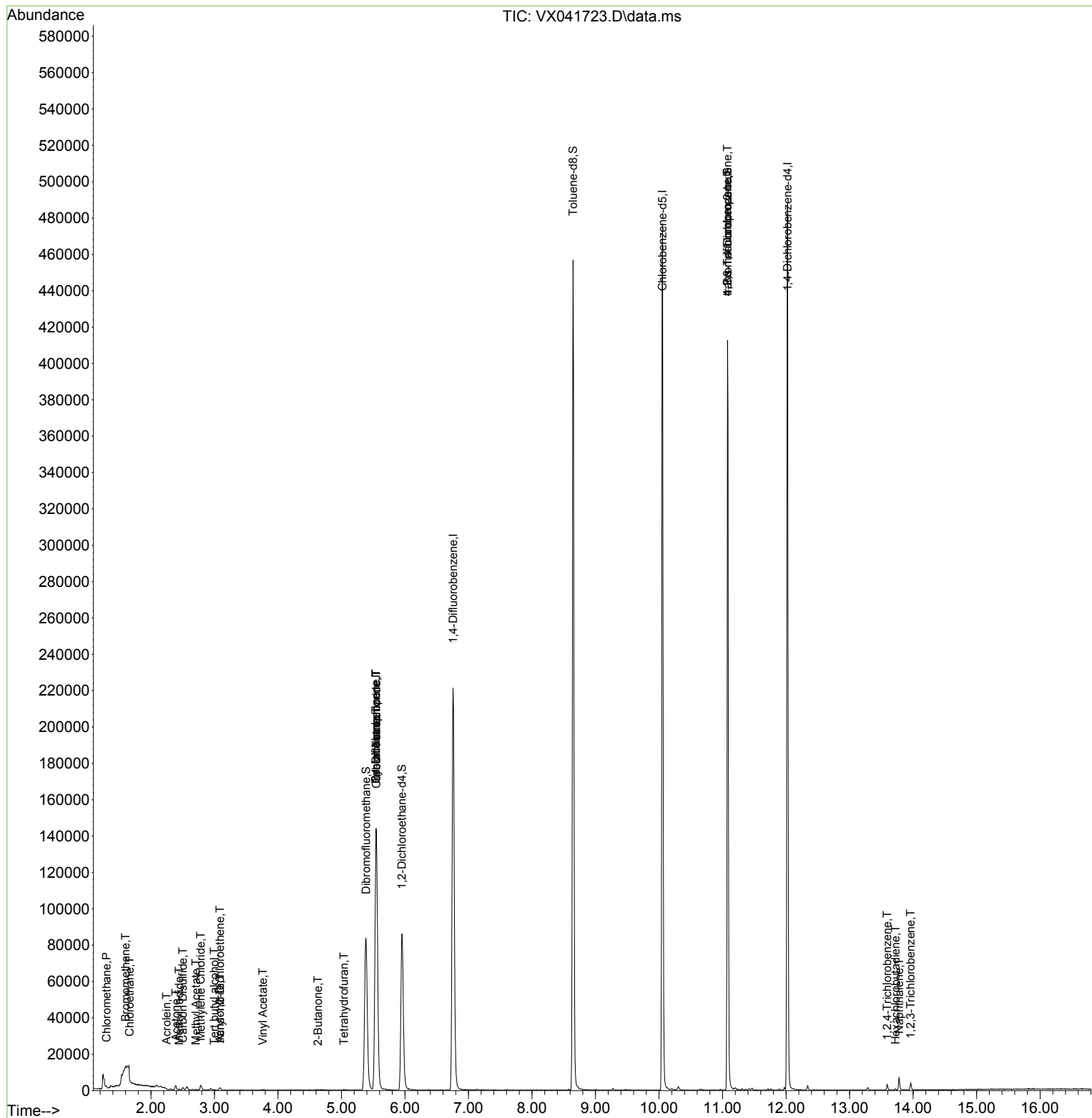
Target Compounds				Qvalue		
3) Chloromethane	1.300	50	536	0.367	ug/l #	79
5) Bromomethane	1.599	94	640	0.611	ug/l	89
6) Chloroethane	1.666	64	532	0.585	ug/l #	73
10) Methyl Iodide	2.446	142	368	0.212	ug/l #	67
11) Tert butyl alcohol	2.995	59	185	0.560	ug/l #	78
13) Acrolein	2.245	56	299	0.971	ug/l	89
15) Acrylonitrile	3.086	53	470	0.580	ug/l	99
16) Acetone	2.391	43	2576	0.452	ug/l	92
17) Carbon Disulfide	2.501	76	1733	0.577	ug/l #	93
18) Methyl Acetate	2.708	43	491	0.275	ug/l #	71
20) Methylene Chloride	2.782	84	1195	0.715	ug/l #	86
21) trans-1,2-Dichloroethene	3.086	96	351	0.249	ug/l	86
23) Vinyl Acetate	3.763	43	866	0.211	ug/l #	73
25) 2-Butanone	4.629	43	276	0.238	ug/l #	51
29) Tetrahydrofuran	5.037	42	173	0.236	ug/l #	34
31) Cyclohexane	5.543	56	2786	1.263	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	10053	5.102	ug/l #	51
38) Carbon Tetrachloride	5.549	117	13481	6.022	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	52444	26.877	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	52444	73.253	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	998	0.407	ug/l	93
94) Hexachlorobutadiene	13.725	225	272	0.224	ug/l	79
95) Naphthalene	13.780	128	5573	0.769	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1398	0.553	ug/l	93

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

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Instrument :
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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Thu May 30 07:36:24 2024
Response via : Initial Calibration

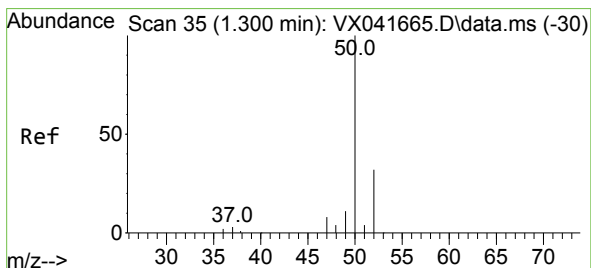
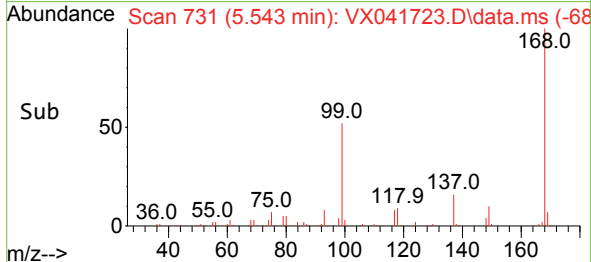
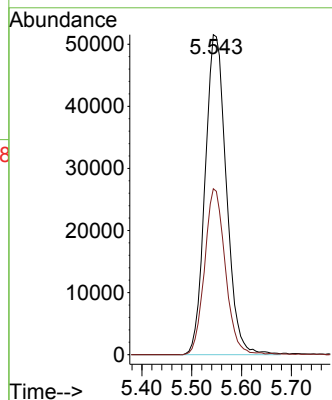
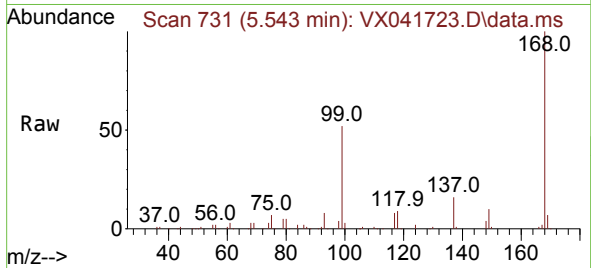




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

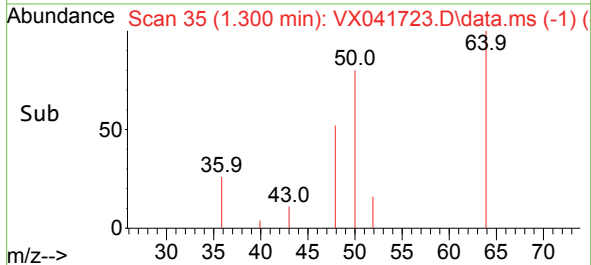
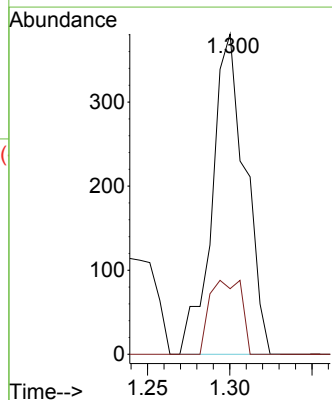
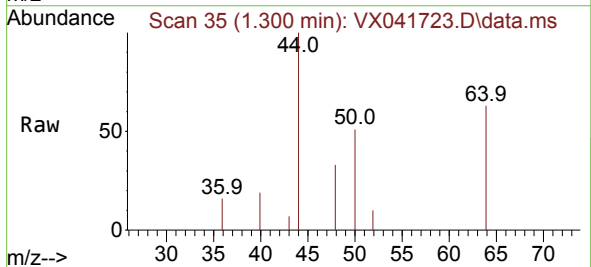
Instrument :
MSVOA_X
ClientSampleId :

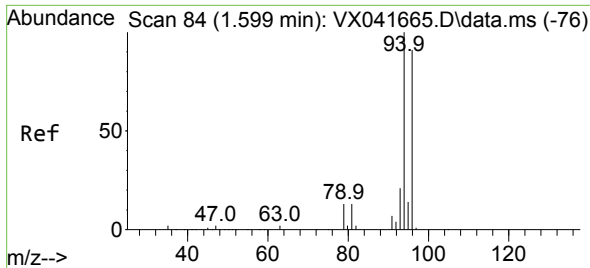
Tgt Ion:168 Resp: 152360
Ion Ratio Lower Upper
168 100
99 51.9 56.6 85.0#



#3
Chloromethane
Concen: 0.367 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Tgt Ion: 50 Resp: 536
Ion Ratio Lower Upper
50 100
52 20.5 25.5 38.3#

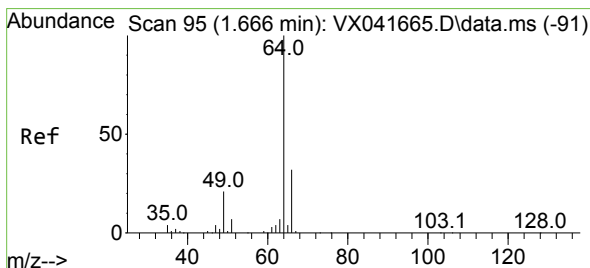
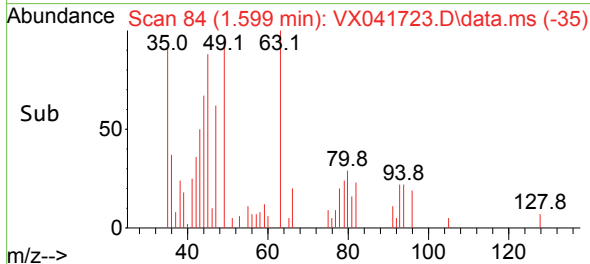
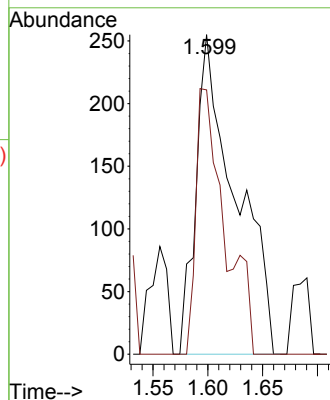
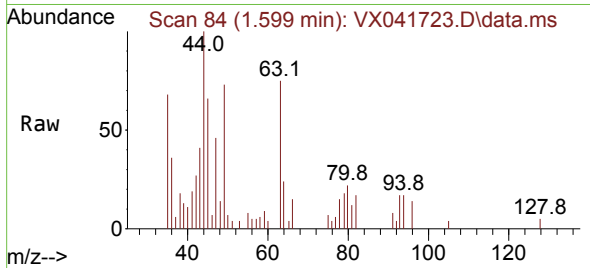




#5
Bromomethane
Concen: 0.611 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

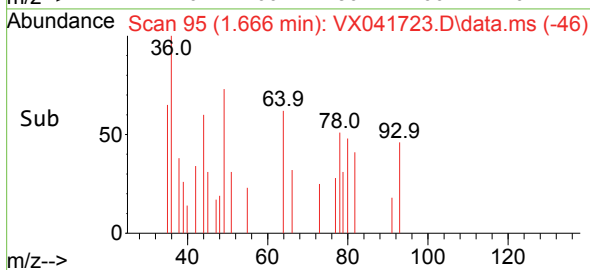
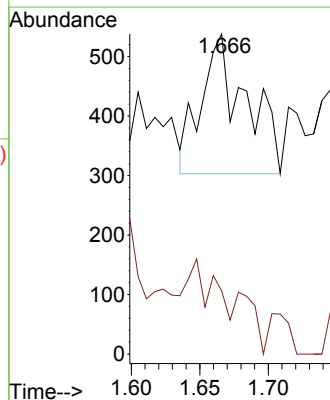
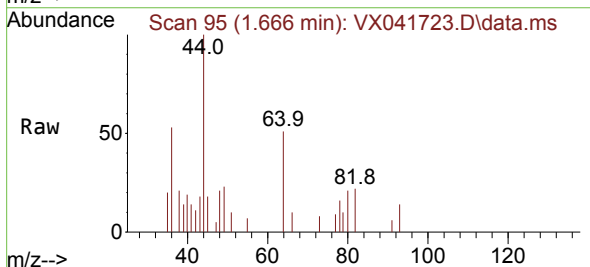
Instrument :
MSVOA_X
ClientSampleId :

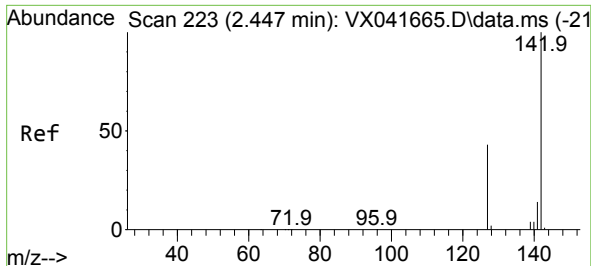
Tgt Ion: 94 Resp: 640
Ion Ratio Lower Upper
94 100
96 82.7 74.6 111.8



#6
Chloroethane
Concen: 0.585 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

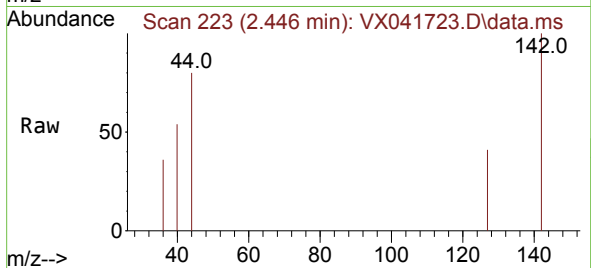
Tgt Ion: 64 Resp: 532
Ion Ratio Lower Upper
64 100
66 16.6 25.1 37.7#



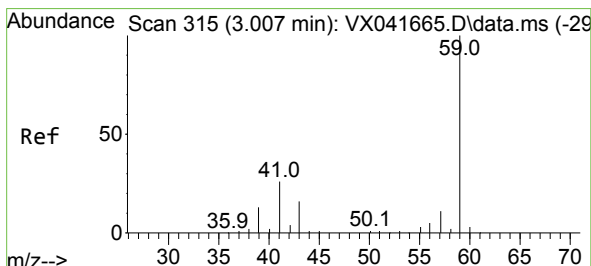
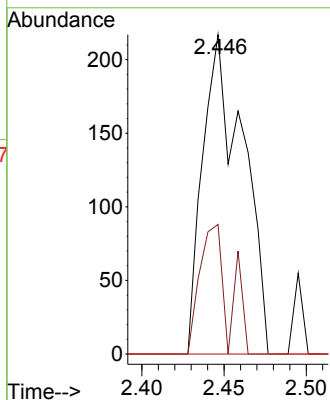
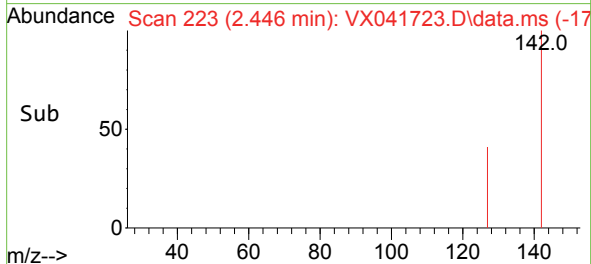


#10
Methyl Iodide
Concen: 0.212 ug/l
RT: 2.446 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Instrument :
MSVOA_X
ClientSampleId :

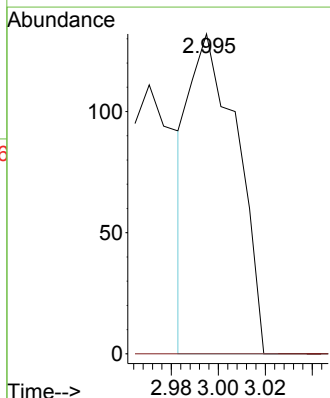
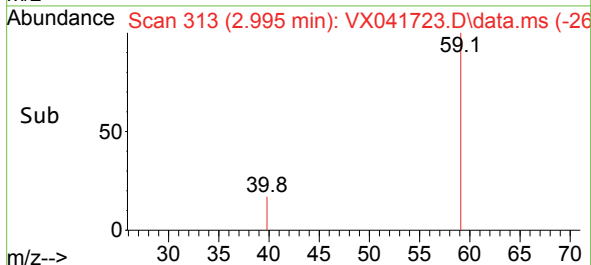
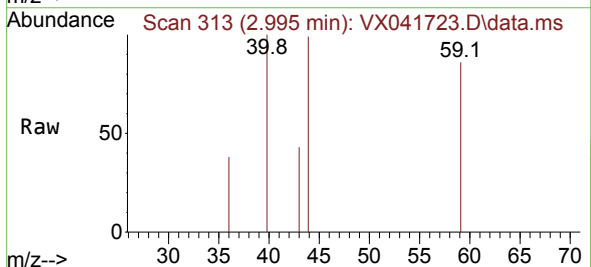


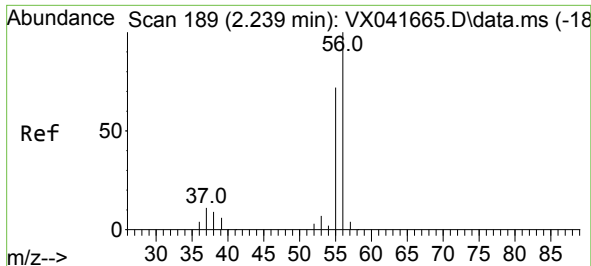
Tgt Ion:142 Resp: 368
Ion Ratio Lower Upper
142 100
127 29.1 41.6 62.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.560 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.012 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

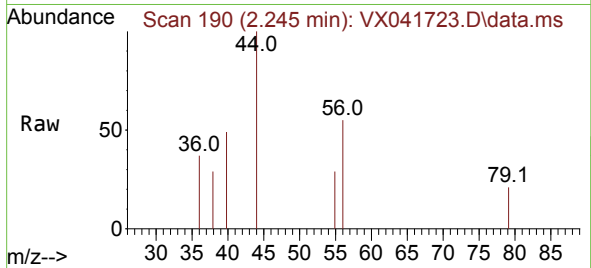
Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



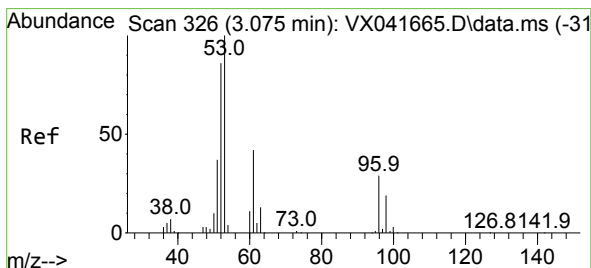
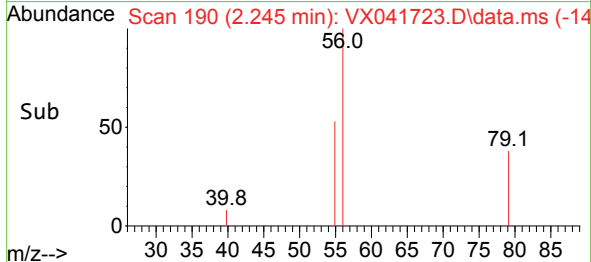
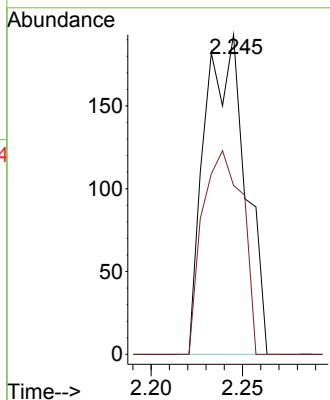


#13
Acrolein
Concen: 0.971 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Instrument :
MSVOA_X
ClientSampleId :

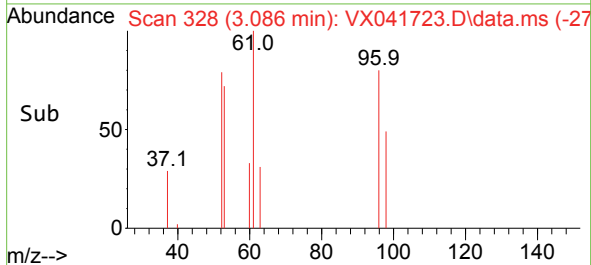
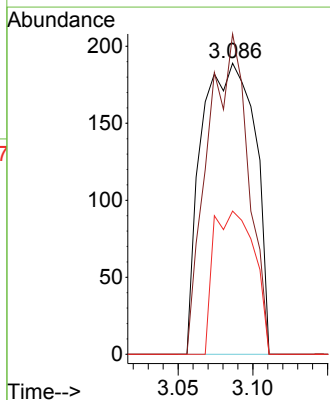
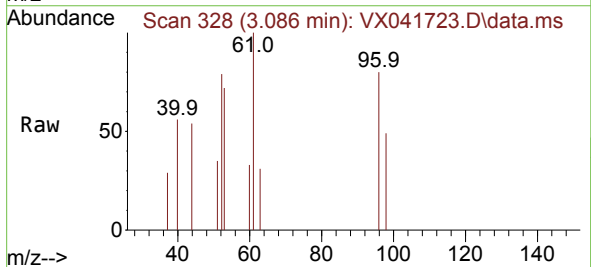


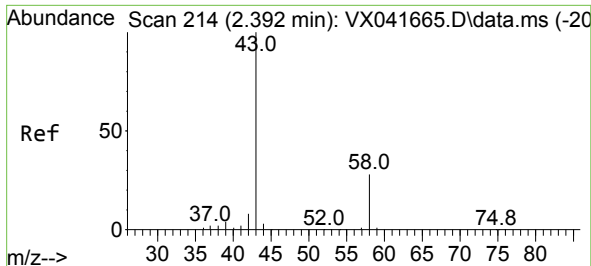
Tgt Ion: 56 Resp: 299
Ion Ratio Lower Upper
56 100
55 62.5 57.1 85.7



#15
Acrylonitrile
Concen: 0.580 ug/l
RT: 3.086 min Scan# 328
Delta R.T. 0.012 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

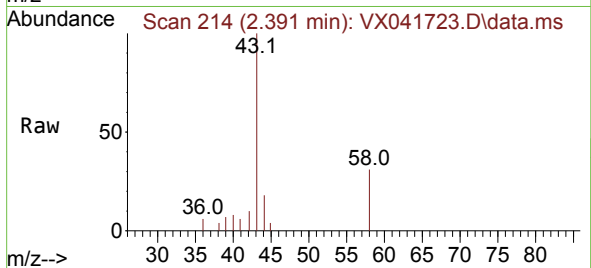
Tgt Ion: 53 Resp: 470
Ion Ratio Lower Upper
53 100
52 84.0 66.0 99.0
51 37.4 29.8 44.6



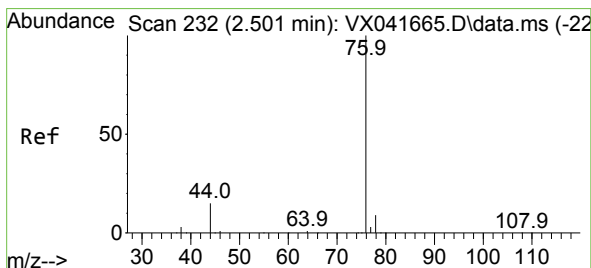
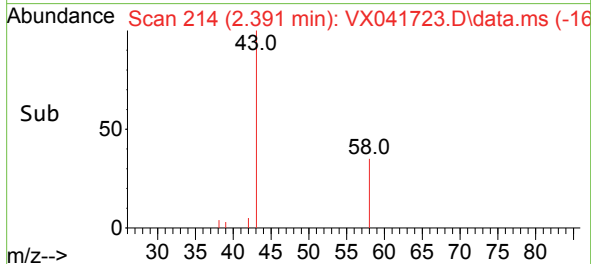
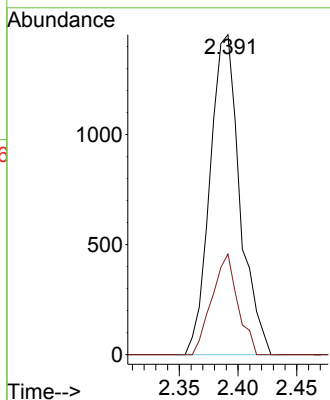


#16
Acetone
Concen: 0.452 ug/l
RT: 2.391 min Scan# 214
Delta R.T. -0.001 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Instrument :
MSVOA_X
ClientSampleId :

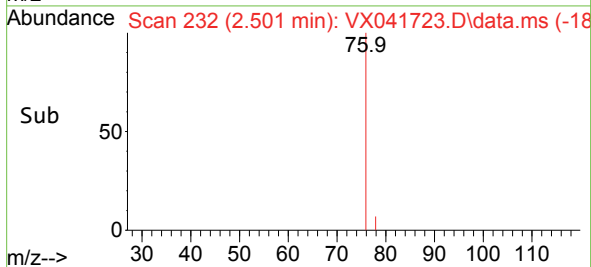
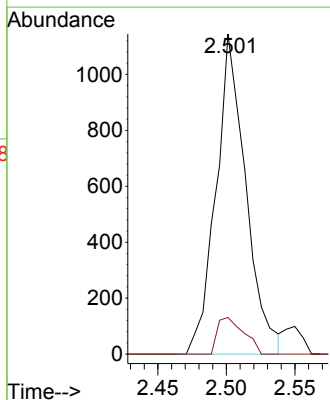
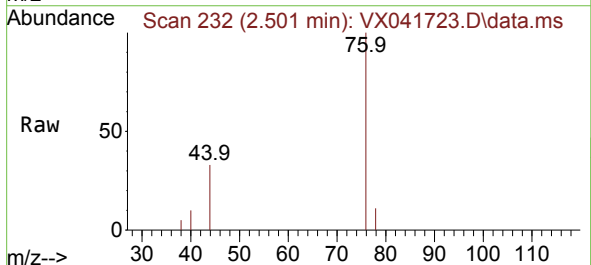


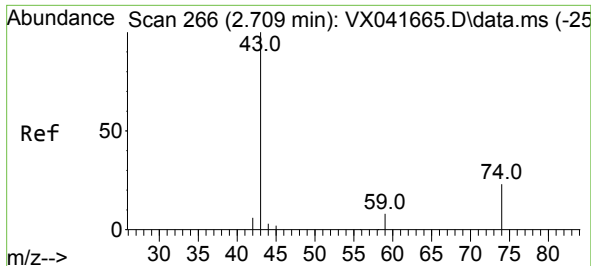
Tgt Ion: 43 Resp: 2576
Ion Ratio Lower Upper
43 100
58 31.4 21.9 32.9



#17
Carbon Disulfide
Concen: 0.577 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Tgt Ion: 76 Resp: 1733
Ion Ratio Lower Upper
76 100
78 11.4 7.0 10.6#

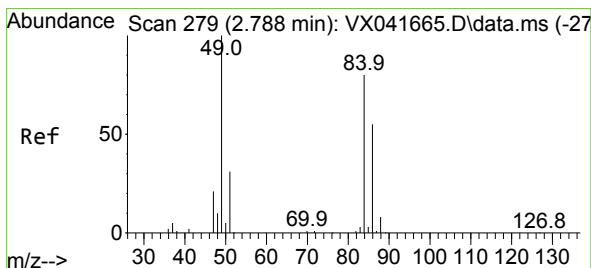
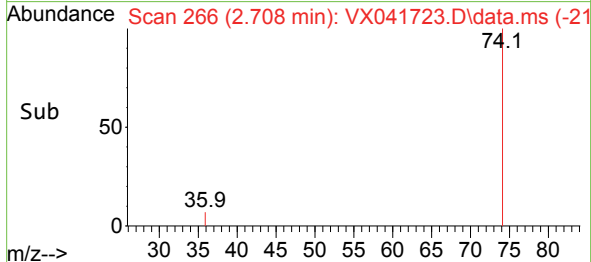
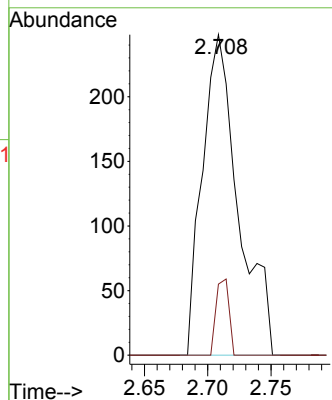
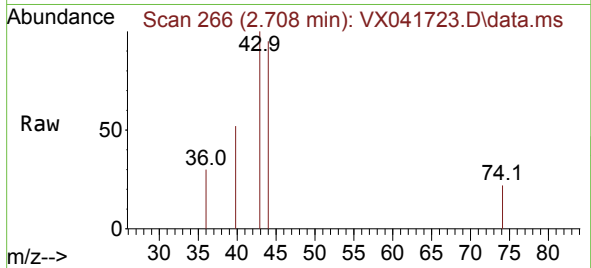




#18
Methyl Acetate
Concen: 0.275 ug/l
RT: 2.708 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

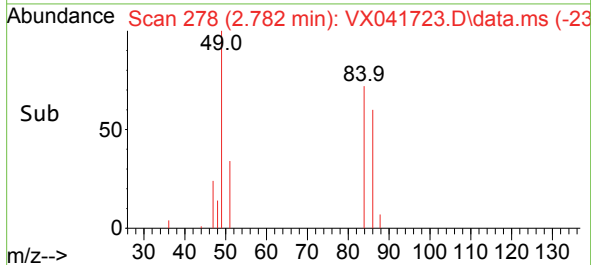
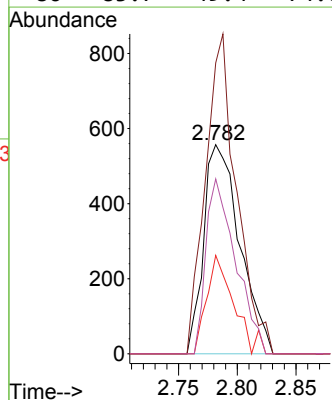
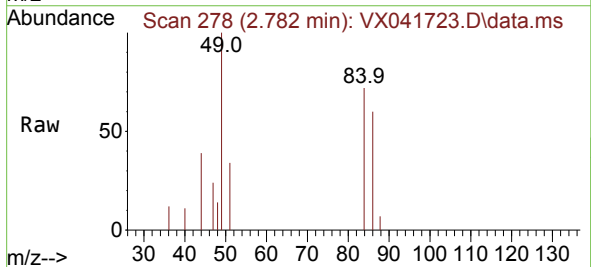
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MSVOA_X
ClientSampleId :

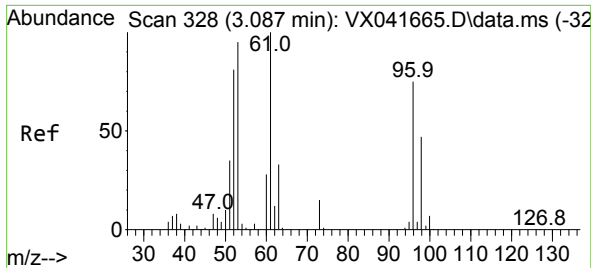
Tgt Ion: 43 Resp: 491
Ion Ratio Lower Upper
43 100
74 8.6 17.8 26.8#



#20
Methylene Chloride
Concen: 0.715 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Tgt Ion: 84 Resp: 1195
Ion Ratio Lower Upper
84 100
49 139.1 103.6 155.4
51 47.0 33.8 50.6
86 83.7 49.4 74.0#

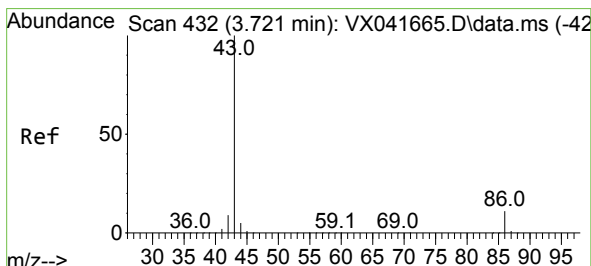
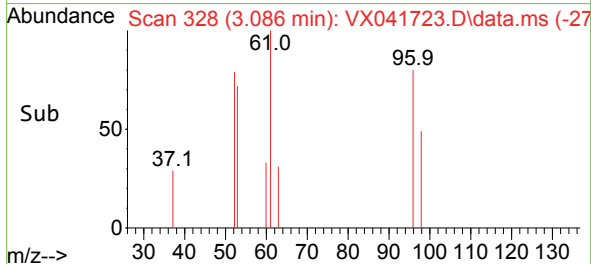
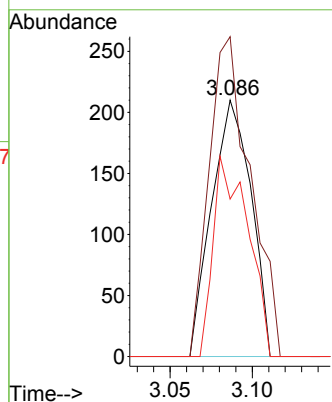
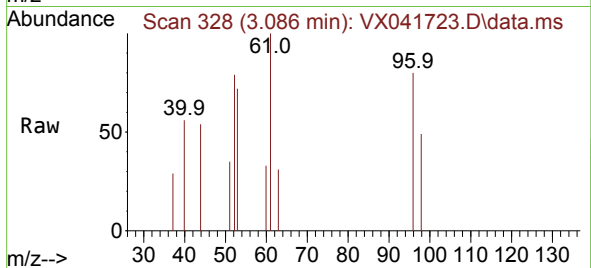




#21
trans-1,2-Dichloroethene
Concen: 0.249 ug/l
RT: 3.086 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

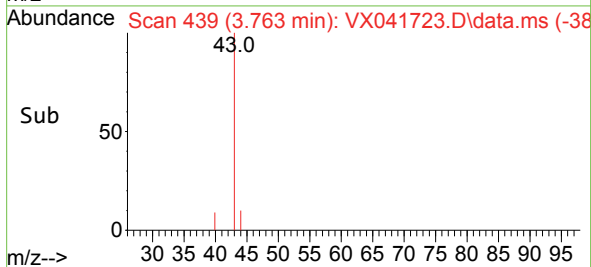
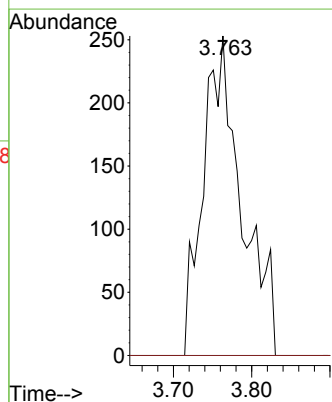
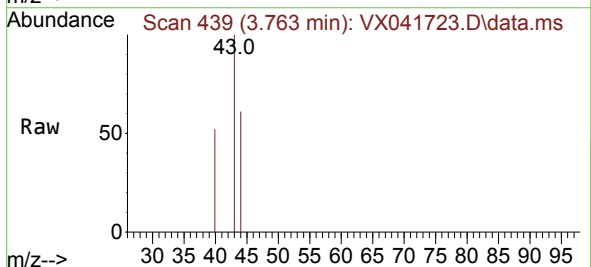
Instrument :
MSVOA_X
ClientSampleId :

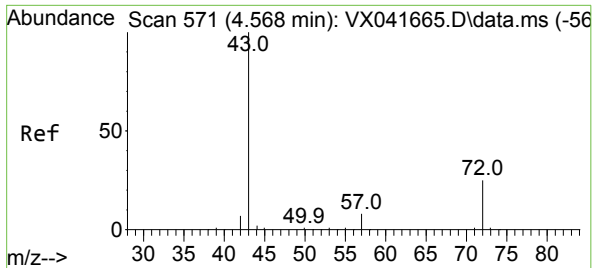
Tgt Ion: 96 Resp: 351
Ion Ratio Lower Upper
96 100
61 124.8 119.2 178.8
98 61.4 48.7 73.1



#23
Vinyl Acetate
Concen: 0.211 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.042 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
86 0.0 7.8 11.8#

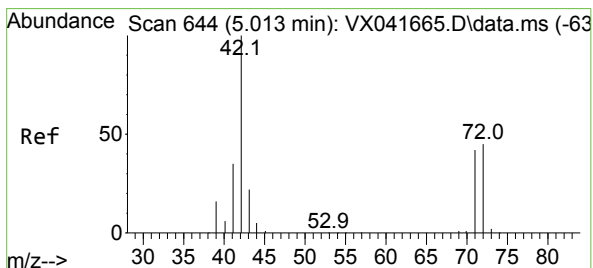
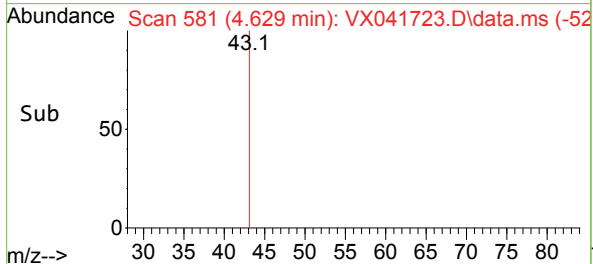
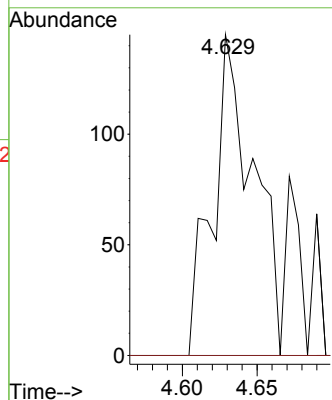
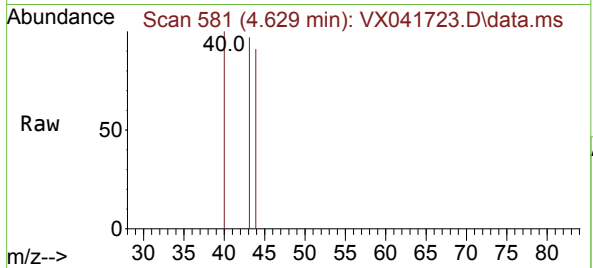




#25
2-Butanone
Concen: 0.238 ug/l
RT: 4.629 min Scan# 581
Delta R.T. 0.061 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

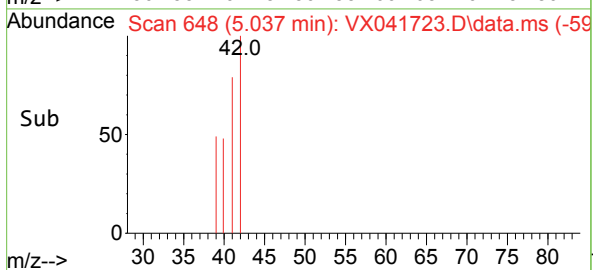
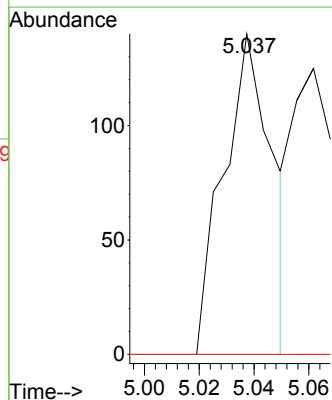
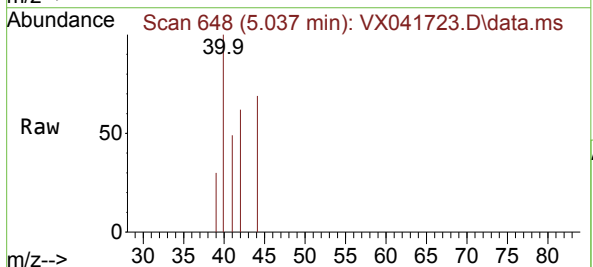
Instrument :
MSVOA_X
ClientSampleId :

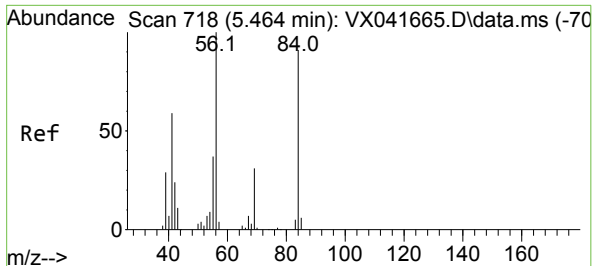
Tgt Ion: 43 Resp: 276
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.236 ug/l
RT: 5.037 min Scan# 648
Delta R.T. 0.024 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

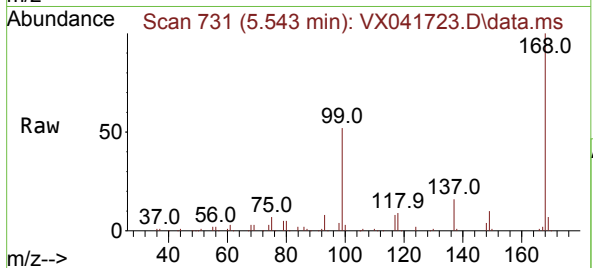
Tgt Ion: 42 Resp: 173
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



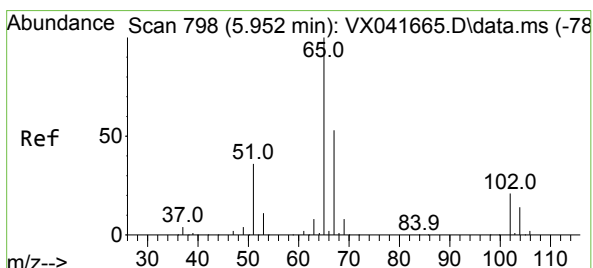
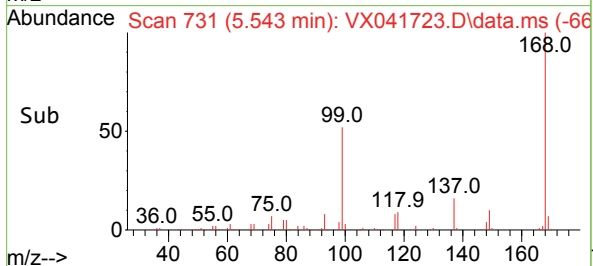
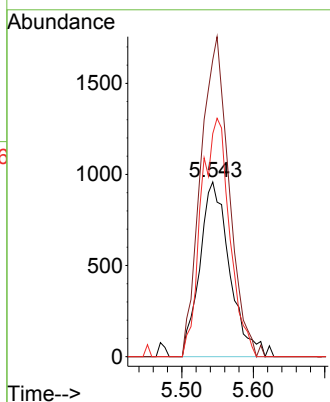


#31
Cyclohexane
Concen: 1.263 ug/l
RT: 5.543 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Instrument :
MSVOA_X
ClientSampleId :

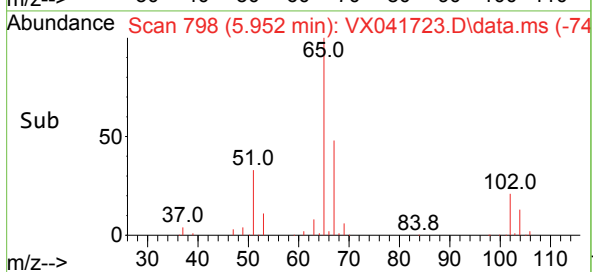
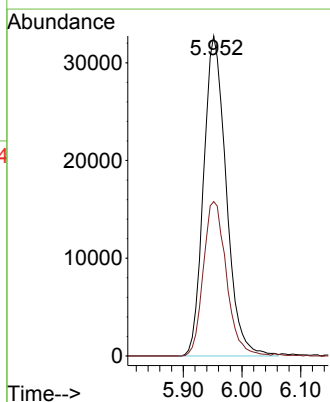
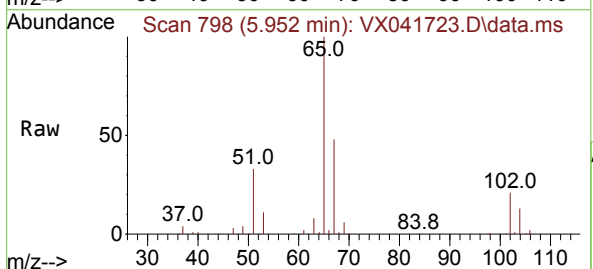


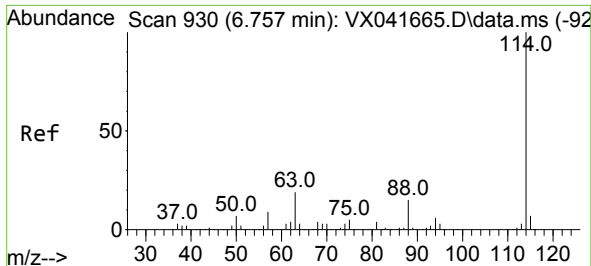
Tgt Ion: 56 Resp: 2786
Ion Ratio Lower Upper
56 100
69 169.9 23.4 35.2#
84 127.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.898 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Tgt Ion: 65 Resp: 87635
Ion Ratio Lower Upper
65 100
67 49.2 0.0 100.2

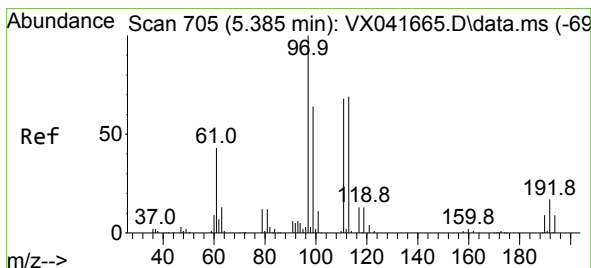
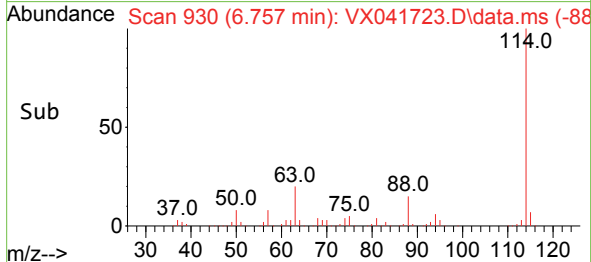
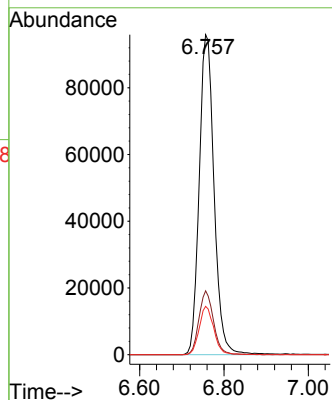
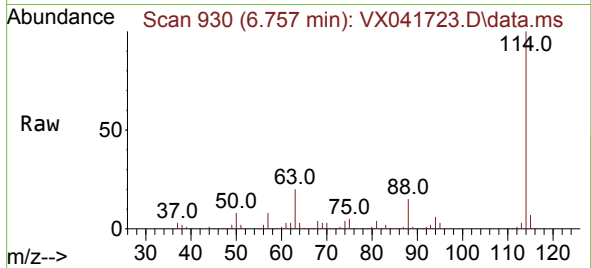




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

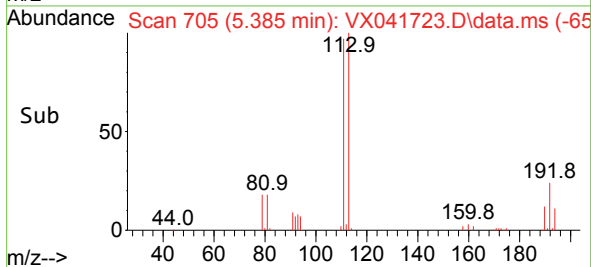
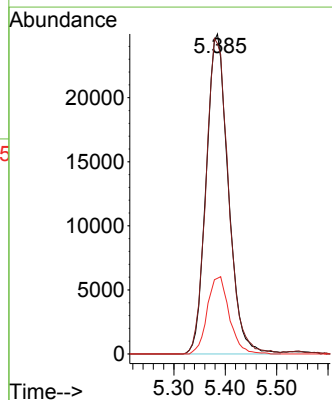
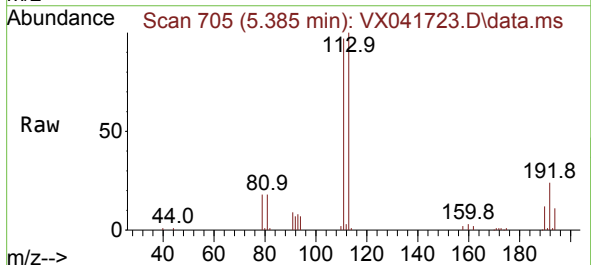
Instrument :
MSVOA_X
ClientSampleId :

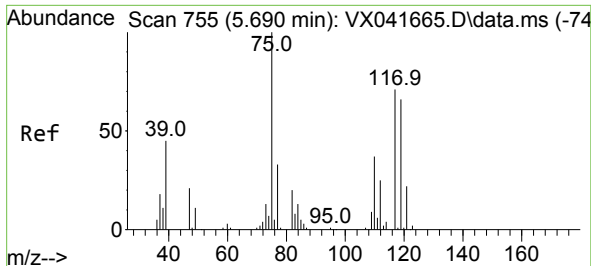
Tgt Ion:114 Resp: 235353
Ion Ratio Lower Upper
114 100
63 20.0 0.0 45.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.782 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Tgt Ion:113 Resp: 74497
Ion Ratio Lower Upper
113 100
111 100.3 82.9 124.3
192 24.0 13.3 19.9#

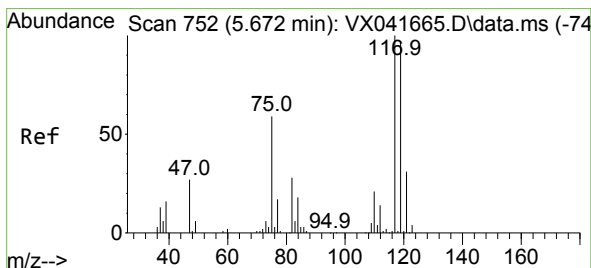
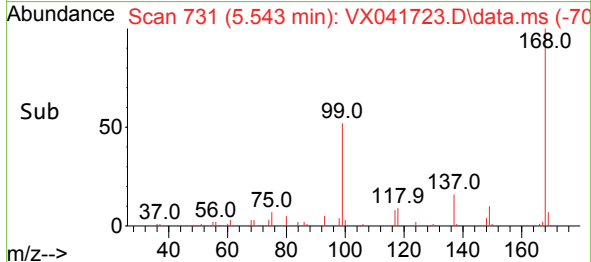
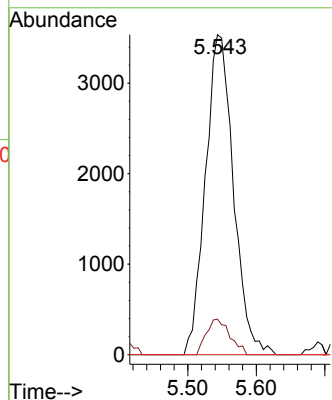
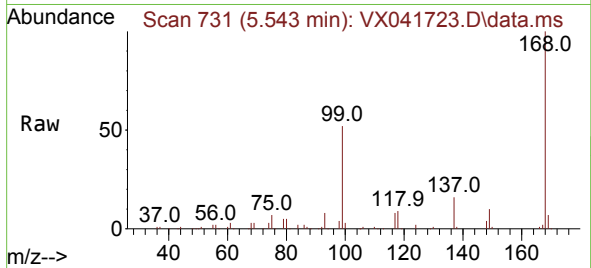




#36
1,1-Dichloropropene
Concen: 5.102 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

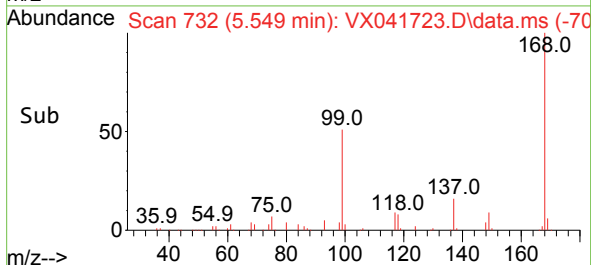
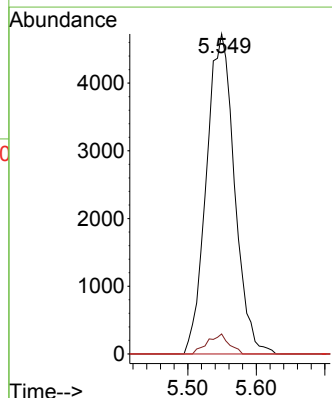
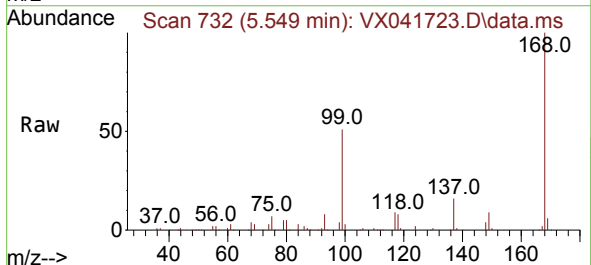
Instrument :
MSVOA_X
ClientSampleId :

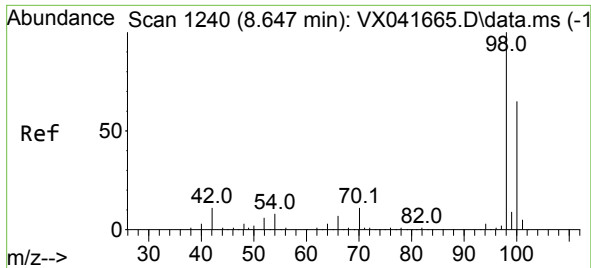
Tgt Ion: 75 Resp: 10053
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.022 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Tgt Ion: 117 Resp: 13481
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.4 36.6#

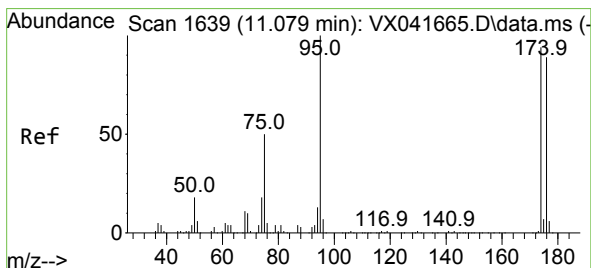
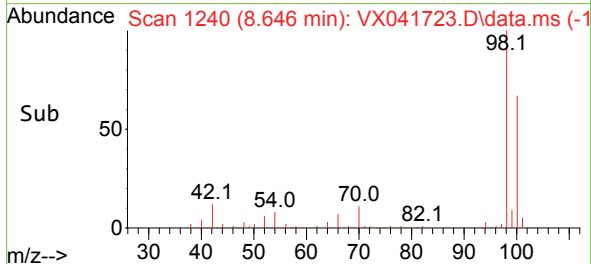
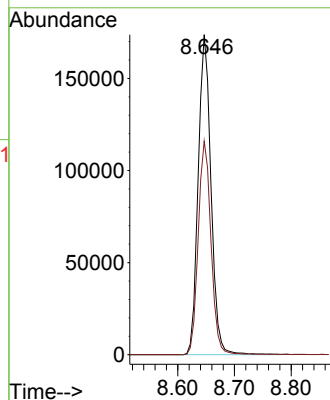
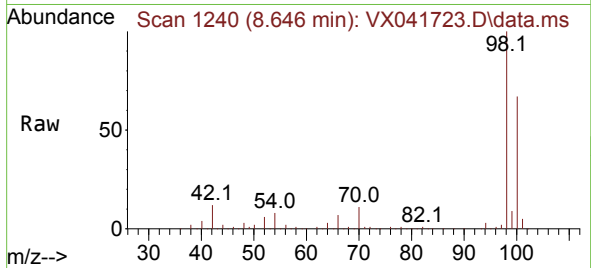




#50
Toluene-d8
Concen: 47.931 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

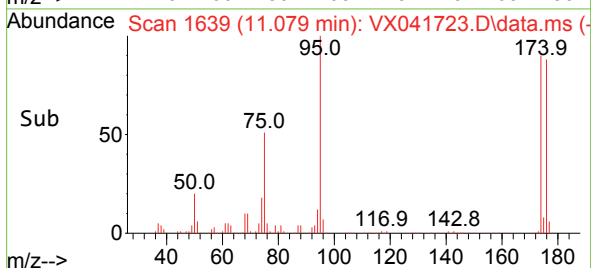
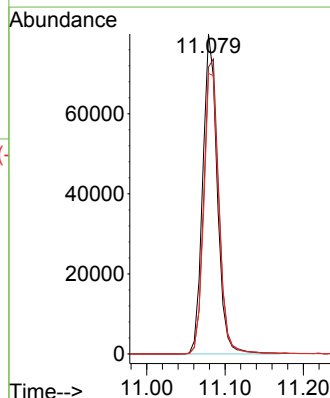
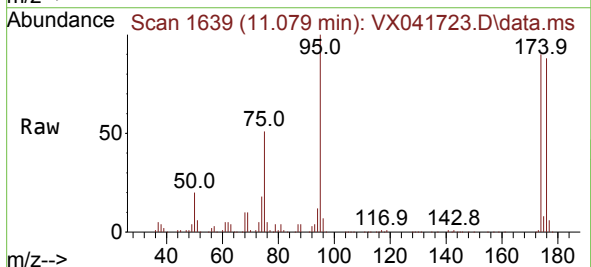
Instrument :
MSVOA_X
ClientSampleId :

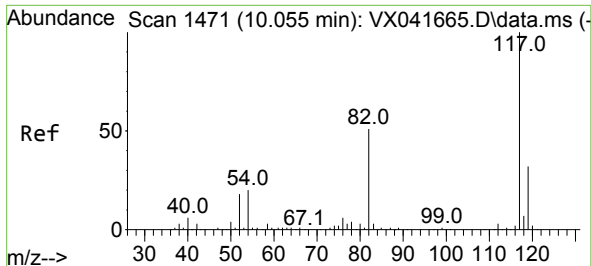
Tgt Ion: 98 Resp: 272523
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 48.941 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Tgt Ion: 95 Resp: 102701
Ion Ratio Lower Upper
95 100
174 96.3 0.0 135.6
176 91.3 0.0 131.0

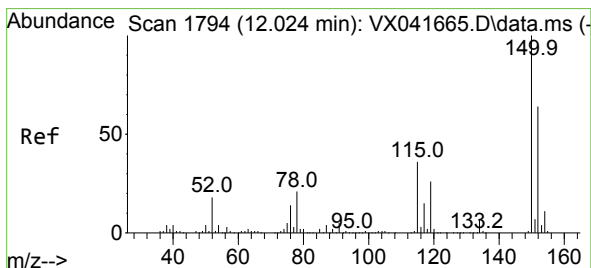
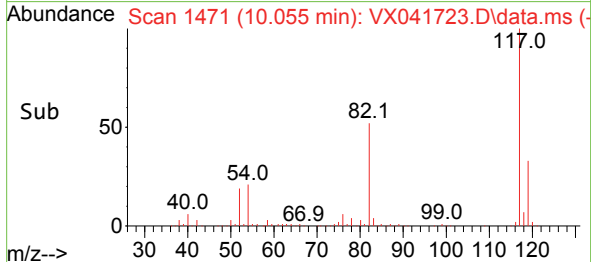
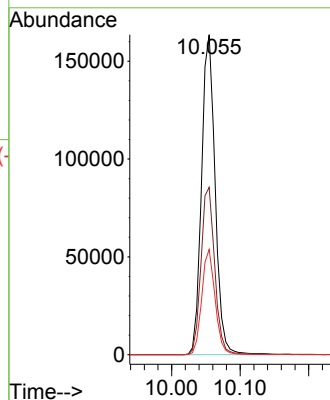
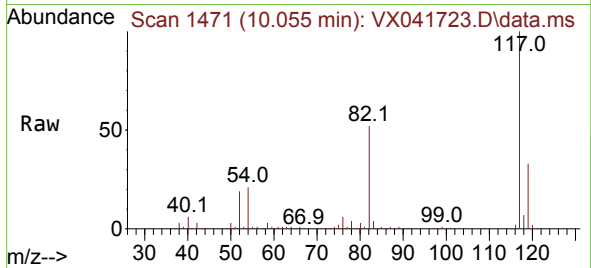




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

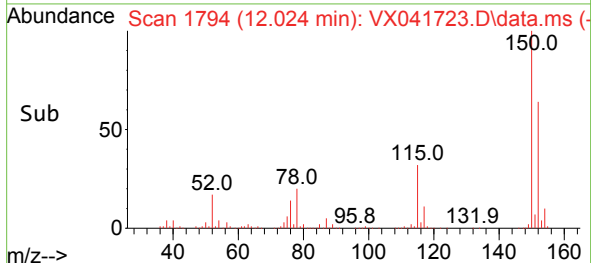
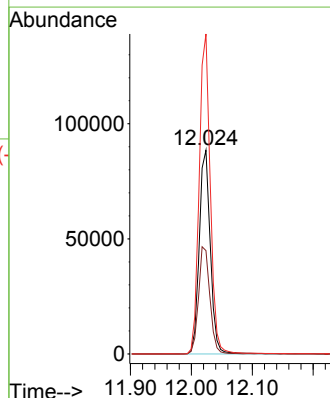
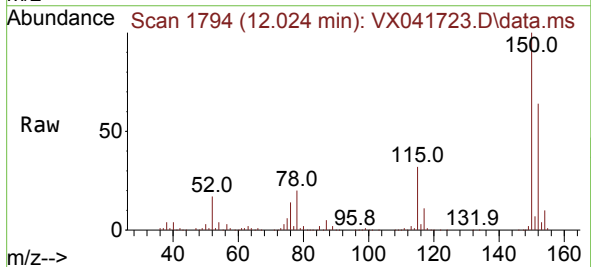
Instrument :
MSVOA_X
ClientSampleId :

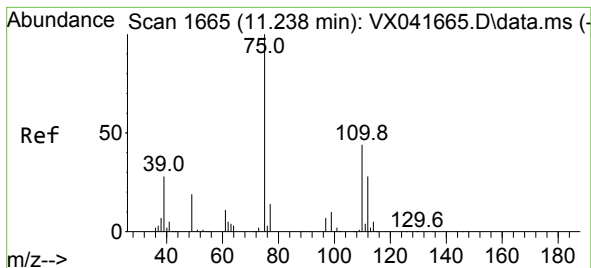
Tgt Ion:117 Resp: 226362
Ion Ratio Lower Upper
117 100
82 52.3 46.2 69.4
119 32.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Tgt Ion:152 Resp: 111833
Ion Ratio Lower Upper
152 100
115 53.8 43.3 129.9
150 156.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.877 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041723.D

Acq: 04 Jun 2024 10:25

Instrument :

MSVOA_X

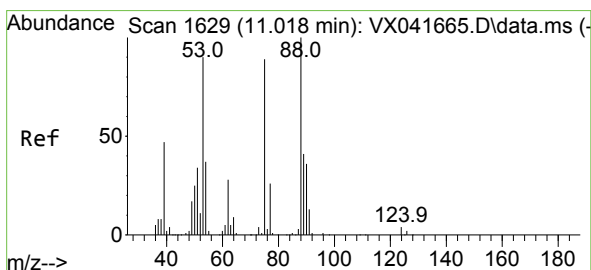
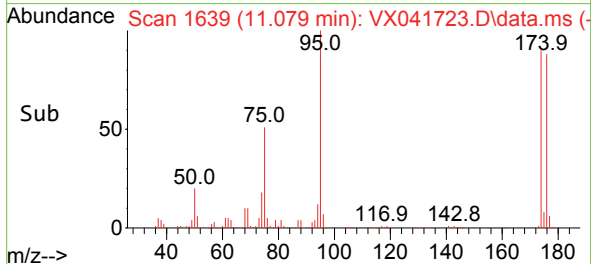
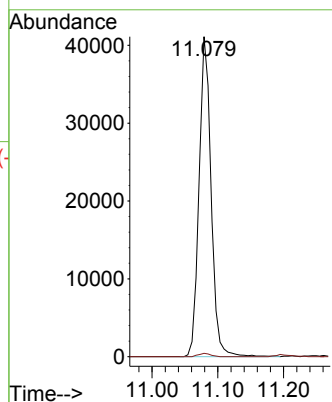
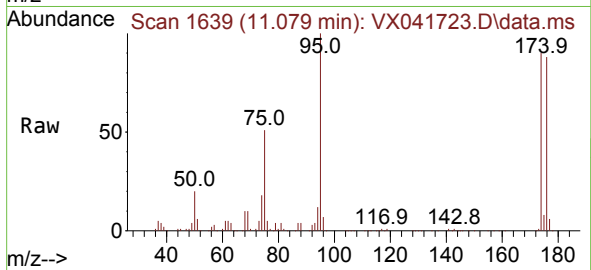
ClientSampleId :

Tgt Ion: 75 Resp: 52444

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.253 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041723.D

Acq: 04 Jun 2024 10:25

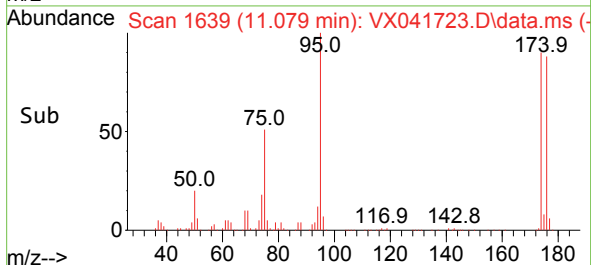
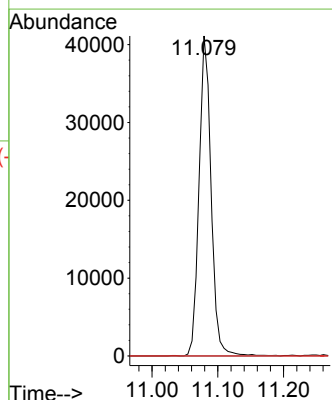
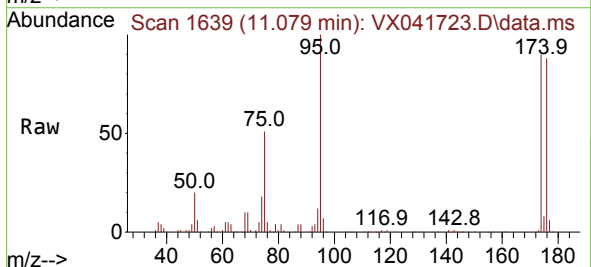
Tgt Ion: 75 Resp: 52444

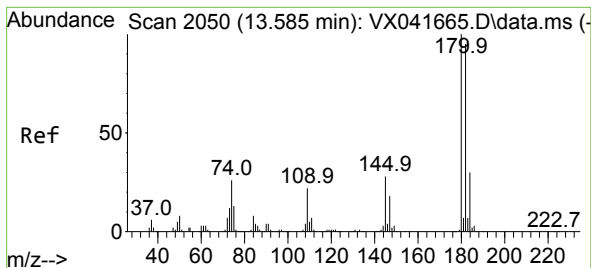
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.407 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX041723.D

Acq: 04 Jun 2024 10:25

Instrument :

MSVOA_X

ClientSampleId :

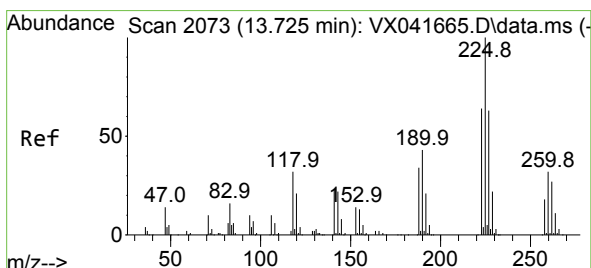
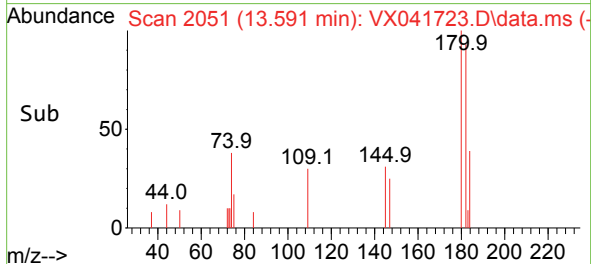
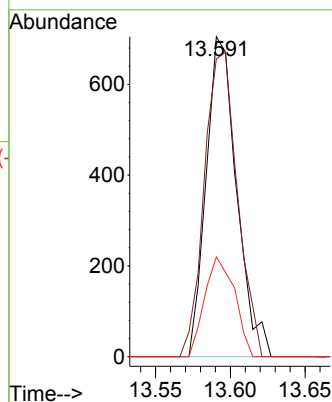
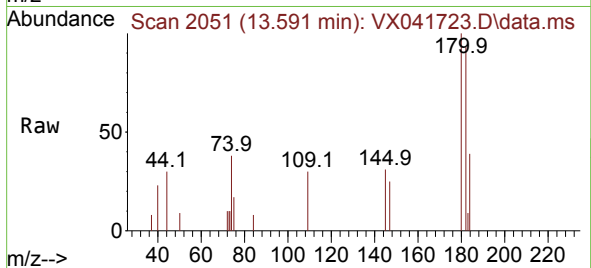
Tgt Ion:180 Resp: 998

Ion Ratio Lower Upper

180 100

182 103.1 48.3 144.8

145 30.6 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.224 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX041723.D

Acq: 04 Jun 2024 10:25

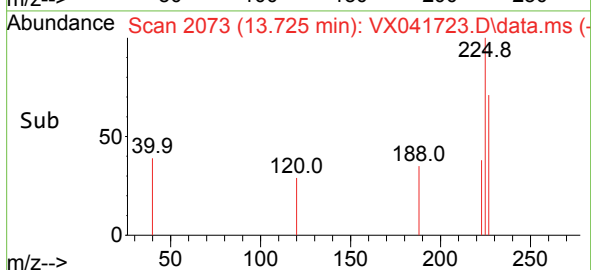
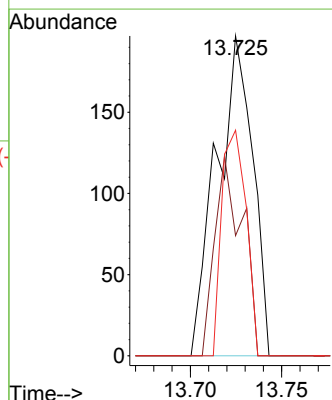
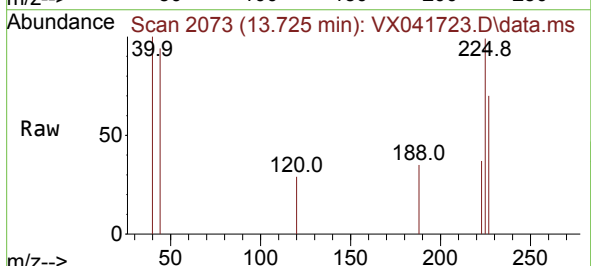
Tgt Ion:225 Resp: 272

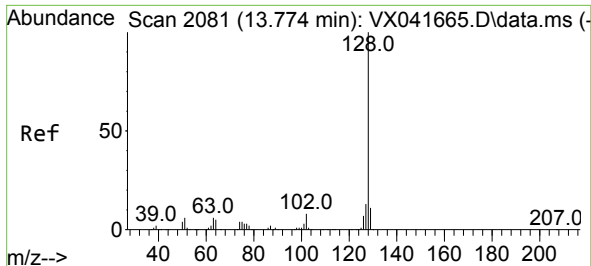
Ion Ratio Lower Upper

225 100

223 47.4 31.1 93.2

227 47.4 32.5 97.5

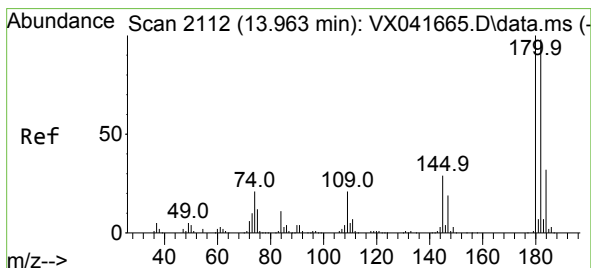
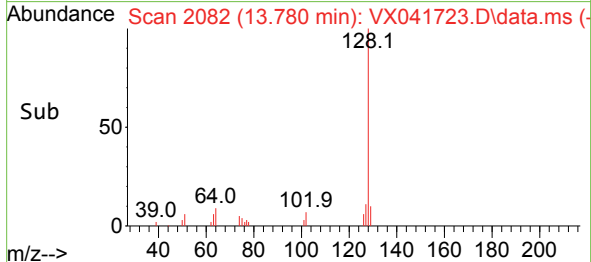
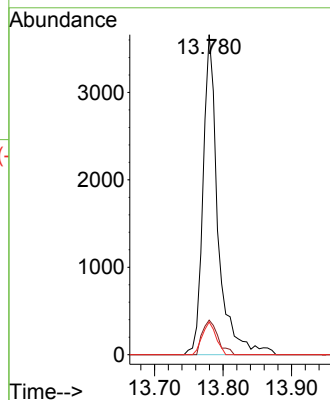
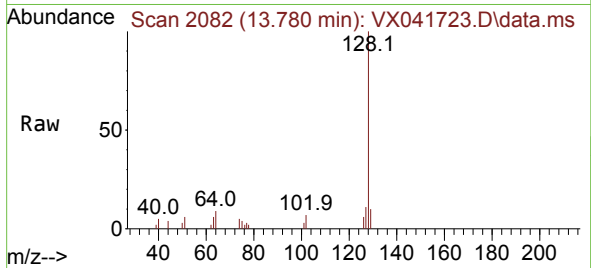




#95
Naphthalene
Concen: 0.769 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128	Resp:	5573
Ion	Ratio	Lower Upper
128	100	
127	11.2	10.3 15.5
129	9.3	8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.553 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX041723.D
Acq: 04 Jun 2024 10:25

Tgt Ion:180	Resp:	1398
Ion	Ratio	Lower Upper
180	100	
182	88.9	46.9 140.6
145	27.8	17.8 53.5

