

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050824\
 Data File : VX041417.D
 Acq On : 08 May 2024 13:43
 Operator : JC/MD
 Sample : P2389-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 09 05:31:42 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

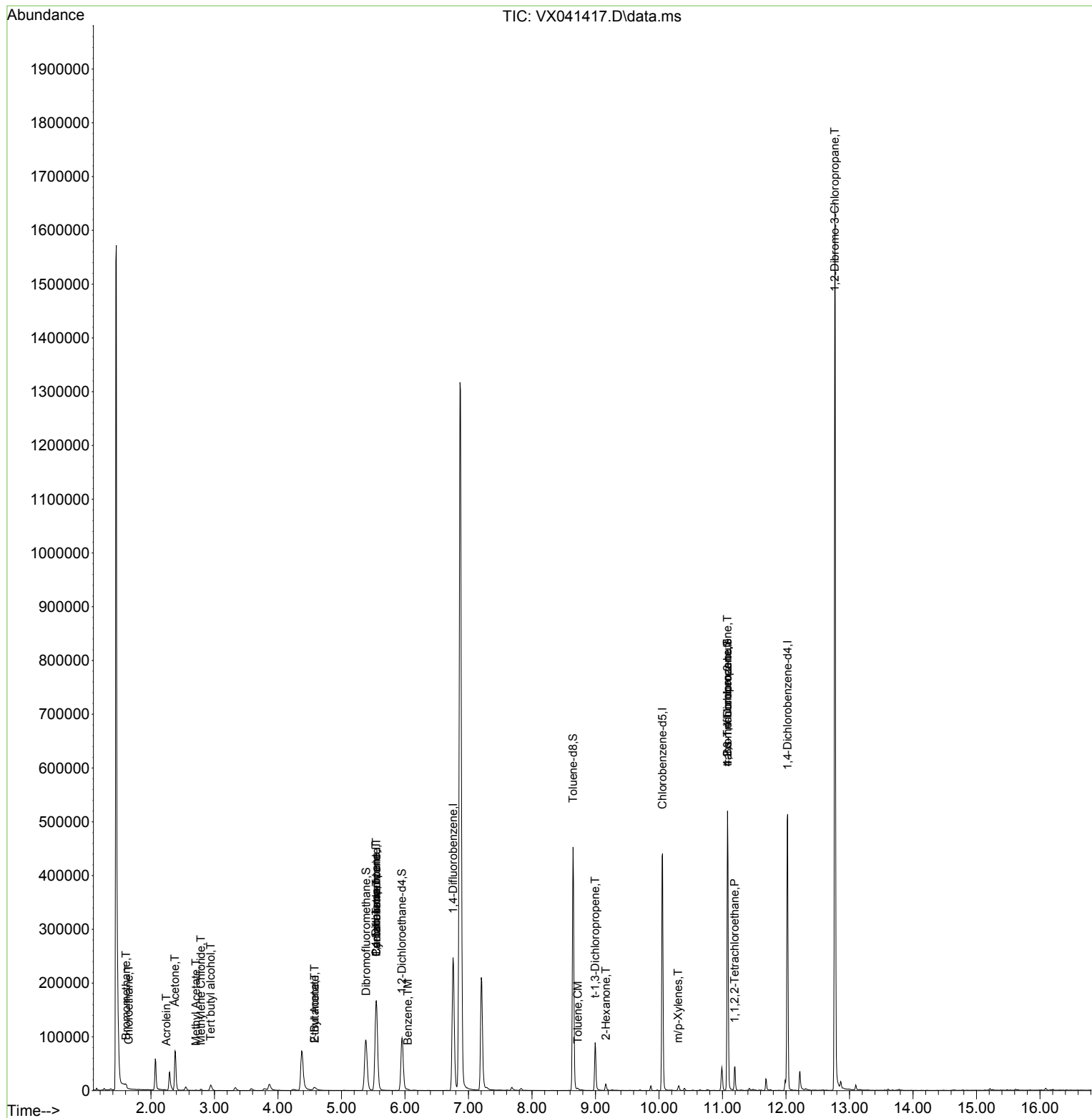
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	181565	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	263592	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98181	49.672	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.340%
35) Dibromofluoromethane	5.385	113	81498	45.624	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.240%
50) Toluene-d8	8.647	98	270880	47.912	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.820%
62) 4-Bromofluorobenzene	11.079	95	113709	51.955	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.920%
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	453	0.491	ug/l	87
6) Chloroethane	1.648	64	176	0.258	ug/l	# 43
11) Tert butyl alcohol	2.941	59	6326	15.990	ug/l	# 78
13) Acrolein	2.240	56	164	0.523	ug/l	# 49
16) Acetone	2.380	43	78956	88.179	ug/l	97
18) Methyl Acetate	2.709	43	971	0.480	ug/l	# 90
20) Methylene Chloride	2.788	84	1202	0.700	ug/l	89
25) 2-Butanone	4.574	43	9986	7.806	ug/l	97
31) Cyclohexane	5.550	56	3130	1.312	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	11462	5.366	ug/l	# 51
37) Ethyl Acetate	4.574	43	9435	3.540	ug/l	# 69
38) Carbon Tetrachloride	5.550	117	15594	6.373	ug/l	# 15
40) Benzene	6.044	78	2381	0.362	ug/l	# 85
52) Toluene	8.720	92	1407	0.349	ug/l	90
53) t-1,3-Dichloropropene	8.994	75	198	2.519	ug/l	# 43
59) 2-Hexanone	9.165	43	822	0.428	ug/l	87
68) m/p-Xylenes	10.299	106	792	0.278	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.189	83	1522	0.641	ug/l	# 32
76) 1,2,3-Trichloropropane	11.079	75	58131	30.058	ug/l	# 40
81) trans-1,4-Dichloro-2-b...	11.079	75	58131	81.874	ug/l	# 7
92) 1,2-Dibromo-3-Chloropr...	12.768	75	876	1.597	ug/l	# 9

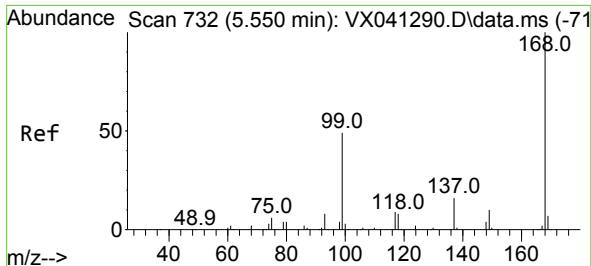
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

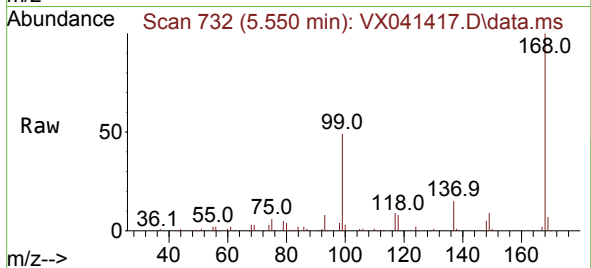
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
QLast Update : Wed May 08 06:03:16 2024
Response via : Initial Calibration



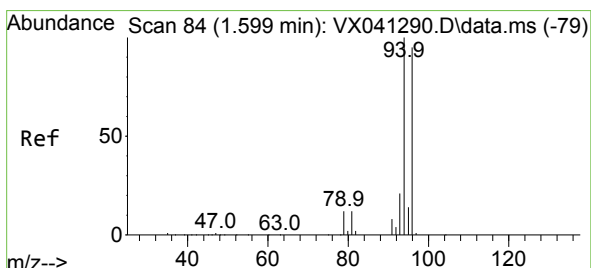
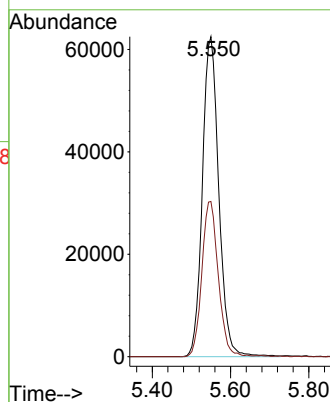
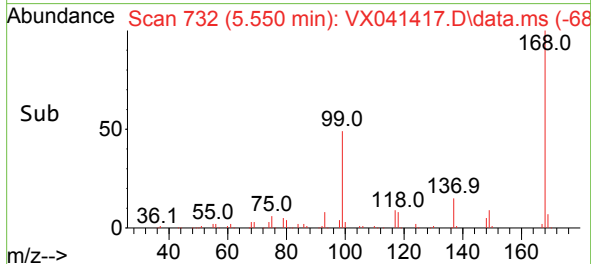


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :

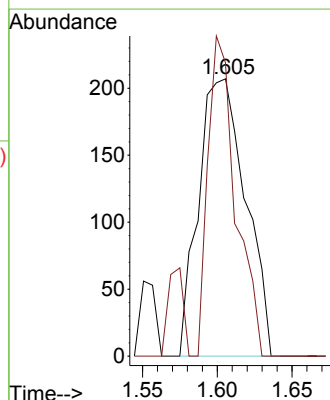
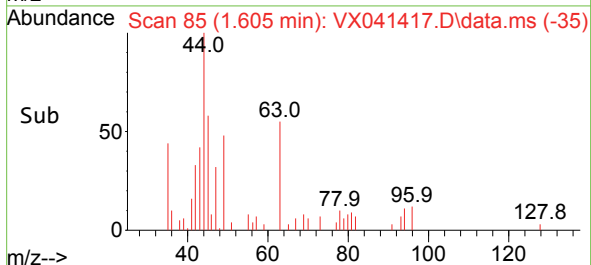
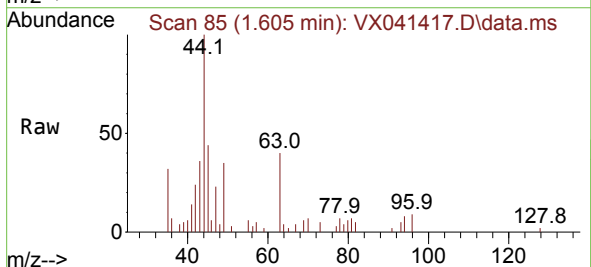


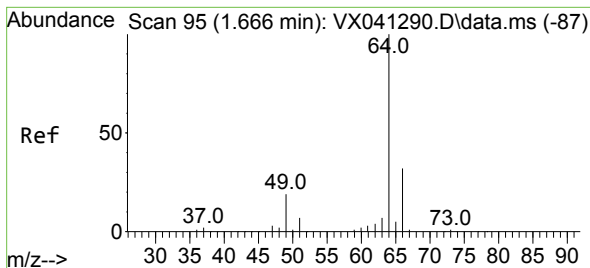
Tgt Ion:168 Resp: 181565
Ion Ratio Lower Upper
168 100
99 48.5 56.6 85.0#



#5
Bromomethane
Concen: 0.491 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

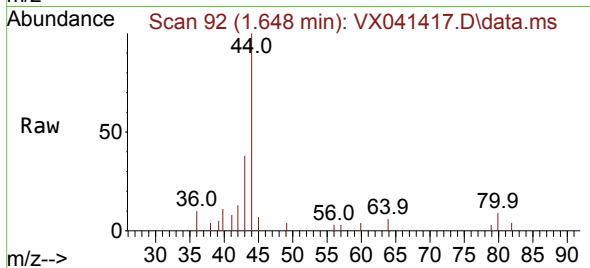
Tgt Ion: 94 Resp: 453
Ion Ratio Lower Upper
94 100
96 105.8 74.6 111.8



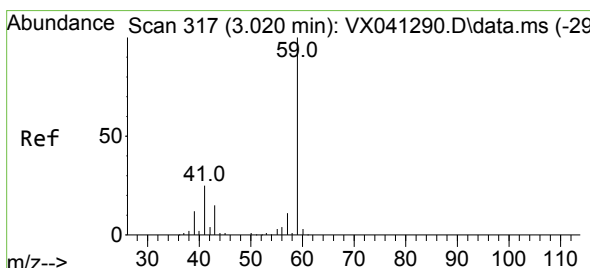
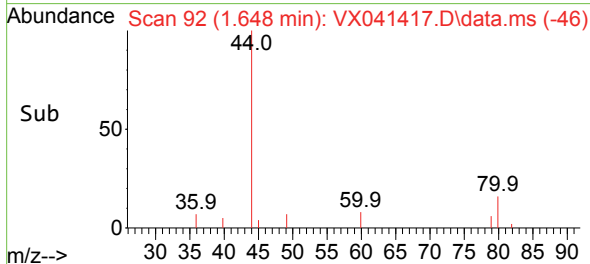
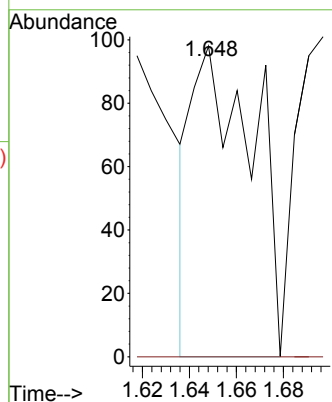


#6
Chloroethane
Concen: 0.258 ug/l
RT: 1.648 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :

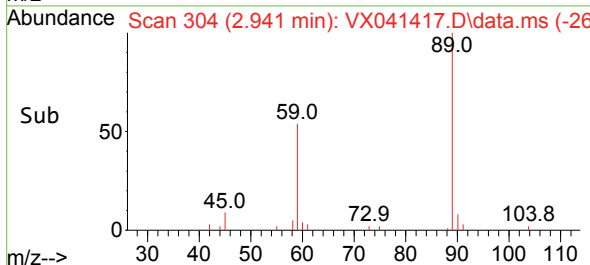
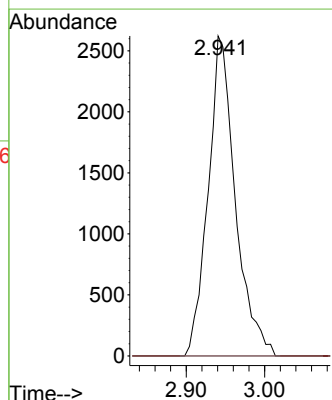
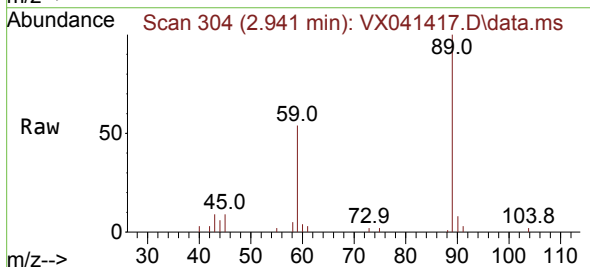


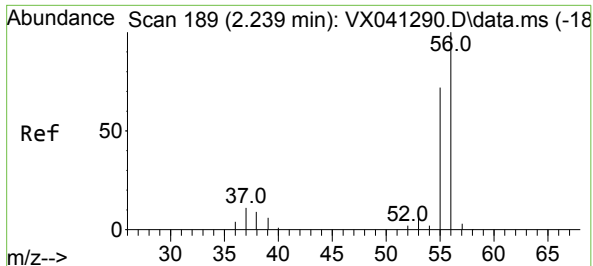
Tgt Ion: 64 Resp: 176
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 15.990 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

Tgt Ion: 59 Resp: 6326
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.523 ug/l

RT: 2.240 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041417.D

Acq: 08 May 2024 13:43

Instrument :

MSVOA_X

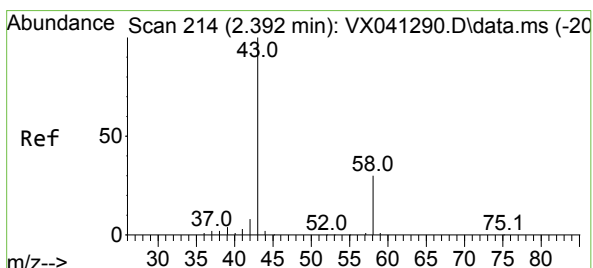
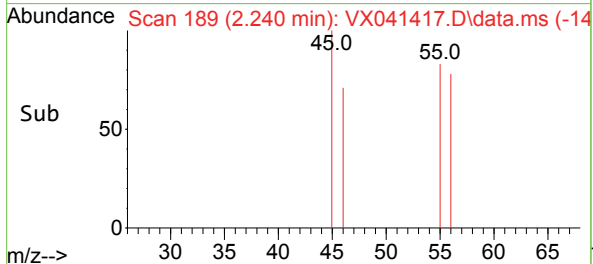
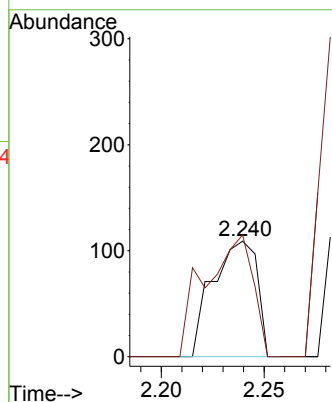
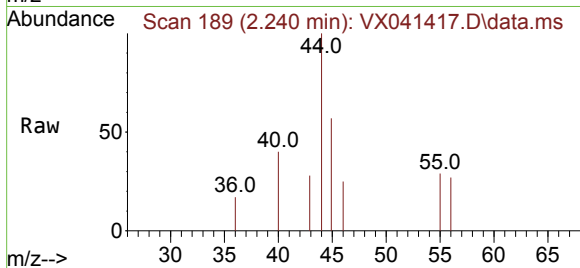
ClientSampleId :

Tgt Ion: 56 Resp: 164

Ion Ratio Lower Upper

56 100

55 113.4 57.1 85.7#



#16

Acetone

Concen: 88.179 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX041417.D

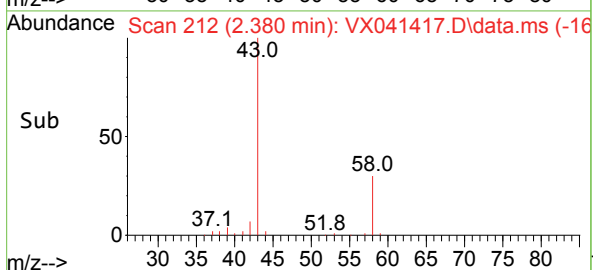
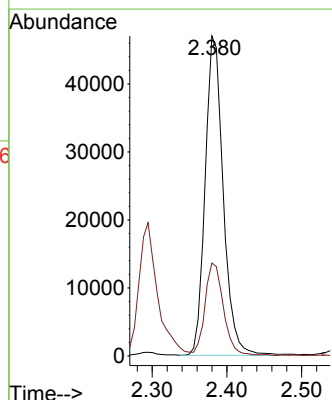
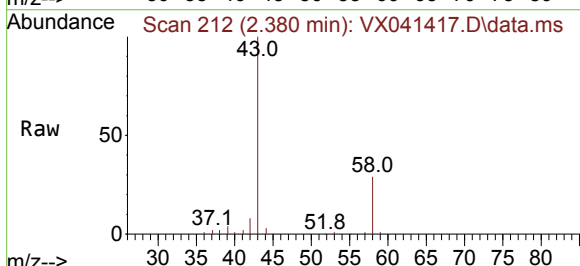
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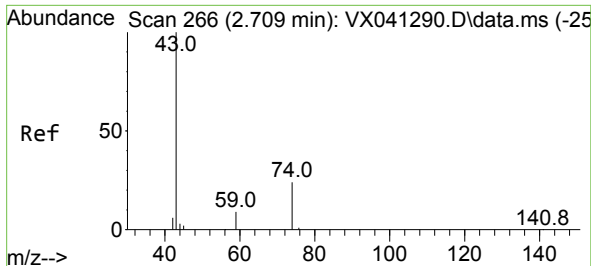
Tgt Ion: 43 Resp: 78956

Ion Ratio Lower Upper

43 100

58 28.9 21.9 32.9





#18

Methyl Acetate

Concen: 0.480 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.000 min

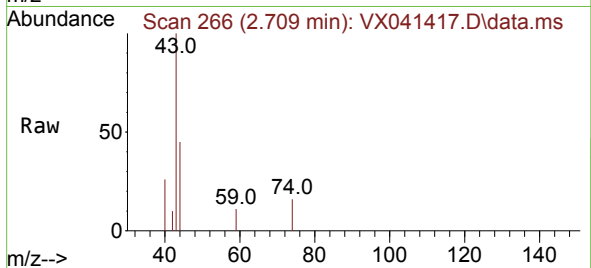
Lab File: VX041417.D

Acq: 08 May 2024 13:43

Instrument :

MSVOA_X

ClientSampleId :

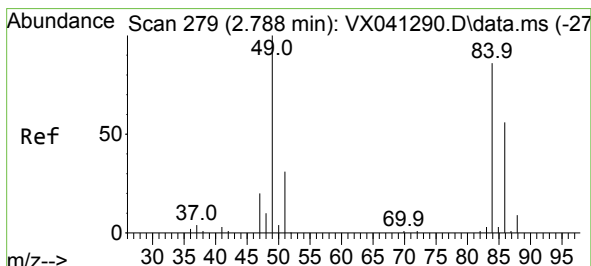
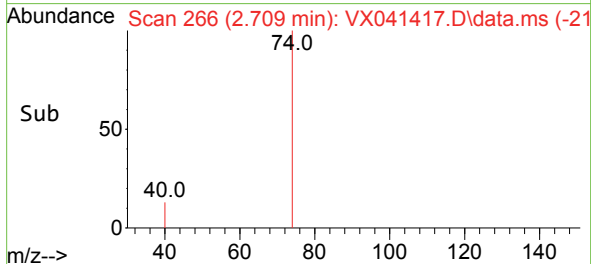
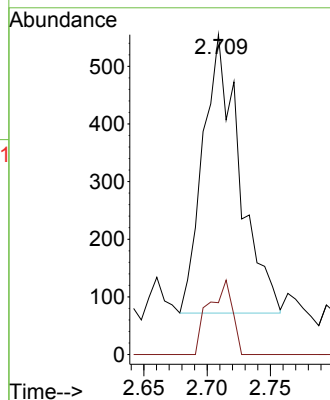


Tgt Ion: 43 Resp: 971

Ion Ratio Lower Upper

43 100

74 17.3 17.8 26.8#



#20

Methylene Chloride

Concen: 0.700 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX041417.D

Acq: 08 May 2024 13:43

Tgt Ion: 84 Resp: 1202

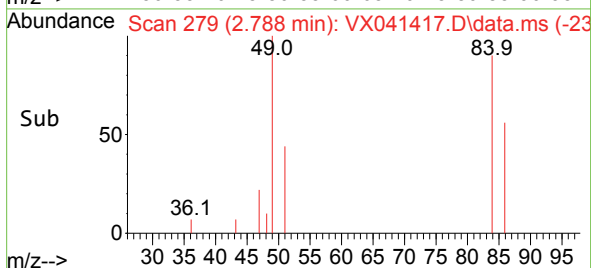
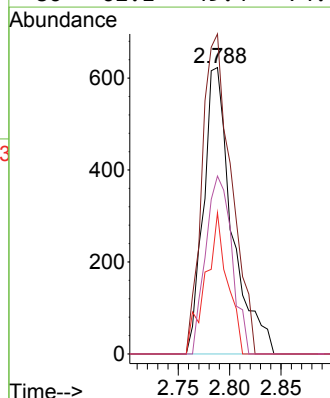
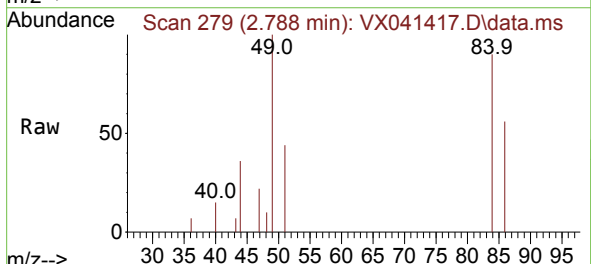
Ion Ratio Lower Upper

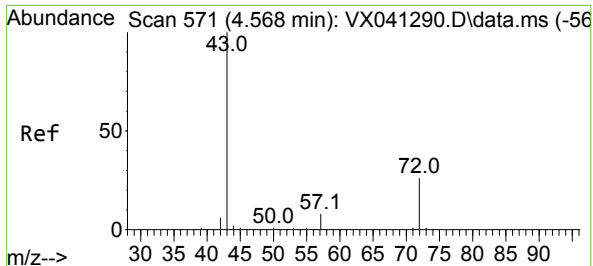
84 100

49 111.7 103.6 155.4

51 49.3 33.8 50.6

86 62.1 49.4 74.0

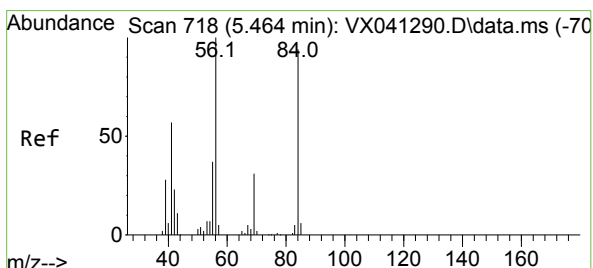
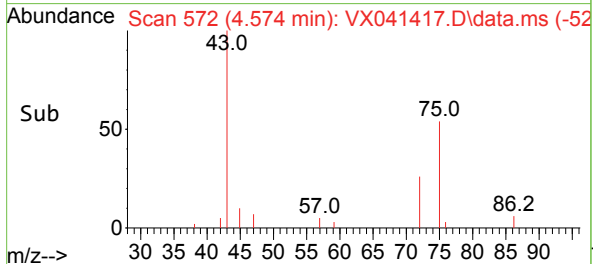
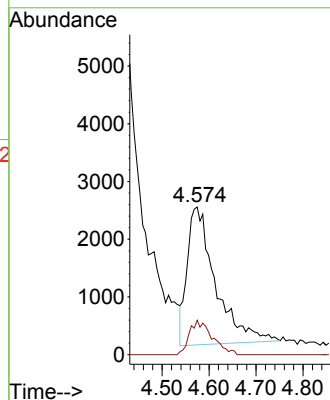
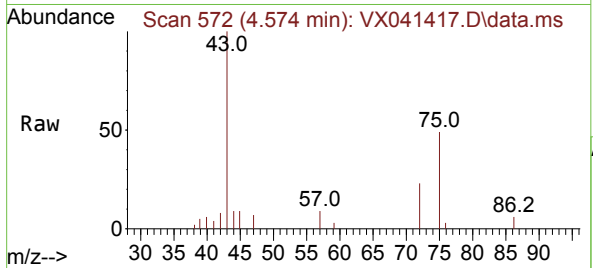




#25
2-Butanone
Concen: 7.806 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

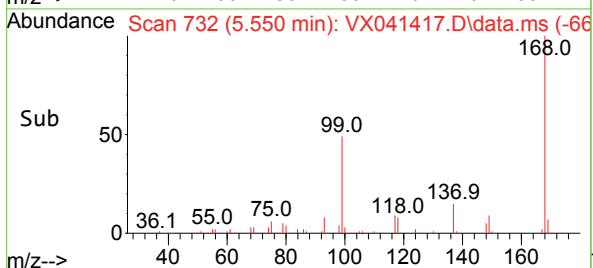
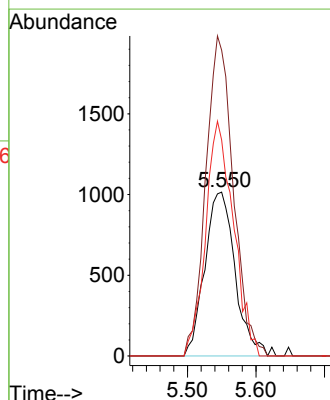
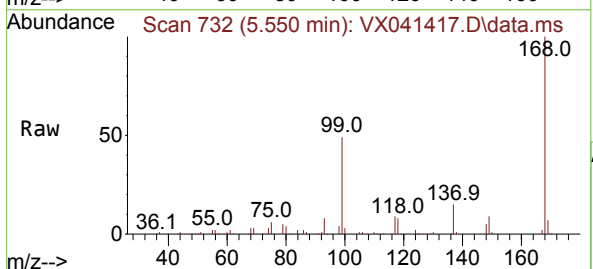
Instrument :
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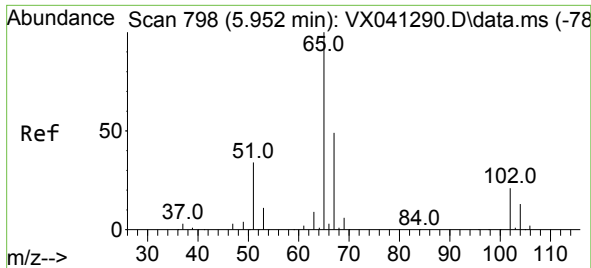
Tgt Ion: 43 Resp: 9986
Ion Ratio Lower Upper
43 100
72 25.7 19.4 29.2



#31
Cyclohexane
Concen: 1.312 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.086 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

Tgt Ion: 56 Resp: 3130
Ion Ratio Lower Upper
56 100
69 186.6 23.4 35.2#
84 131.8 65.9 98.9#

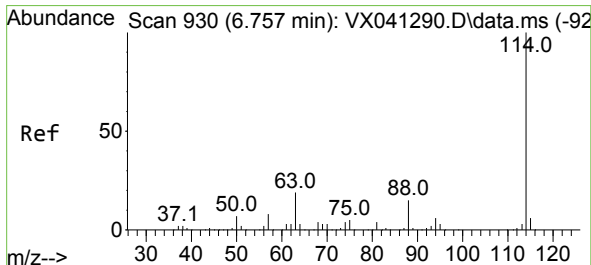
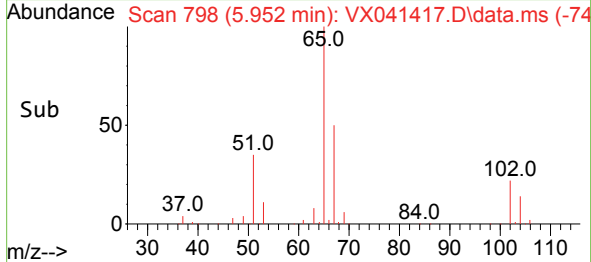
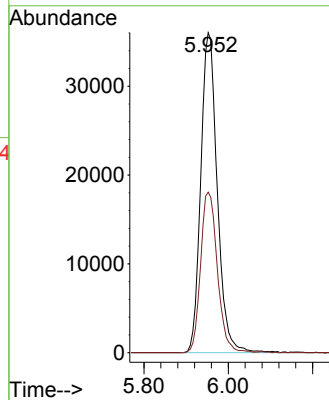
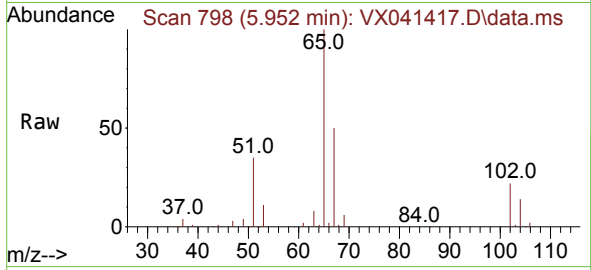




#33
 1,2-Dichloroethane-d4
 Concen: 49.672 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX041417.D
 Acq: 08 May 2024 13:43

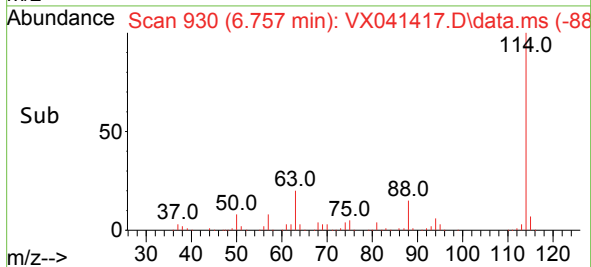
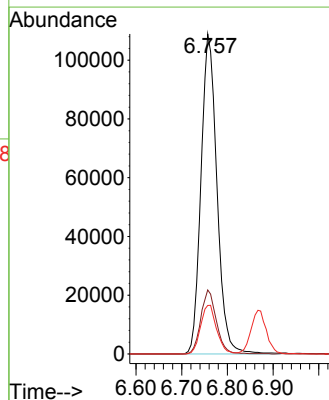
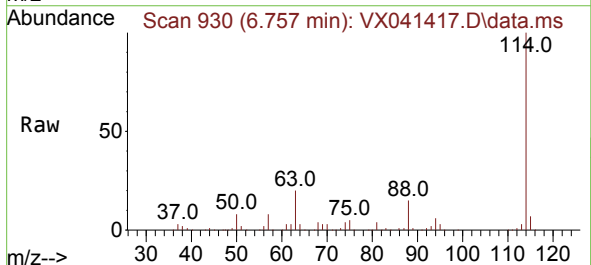
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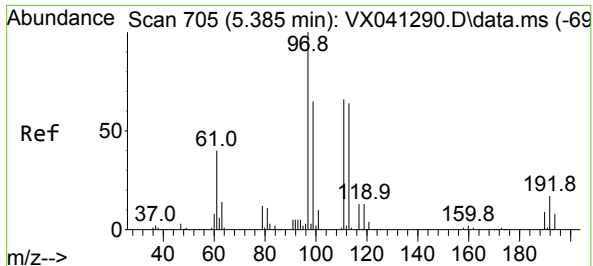
Tgt Ion: 65 Resp: 98181
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX041417.D
 Acq: 08 May 2024 13:43

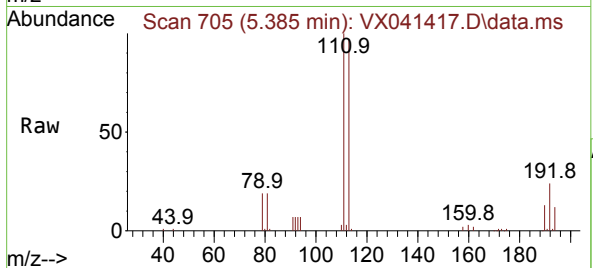
Tgt Ion: 114 Resp: 263592
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 45.0
 88 15.2 0.0 36.6



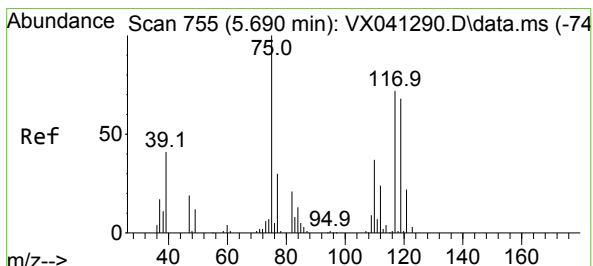
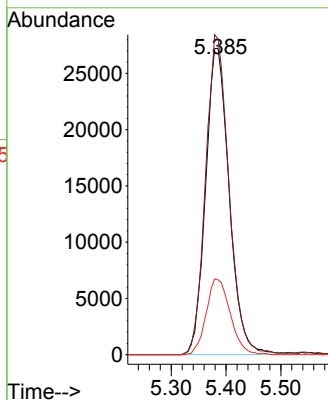
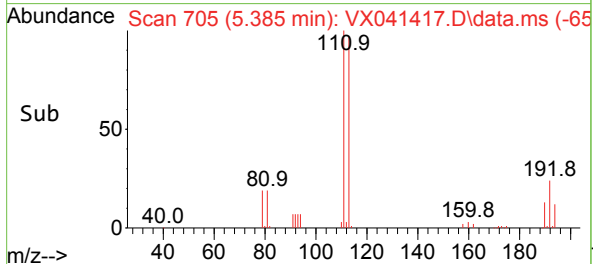


#35
Dibromofluoromethane
Concen: 45.624 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

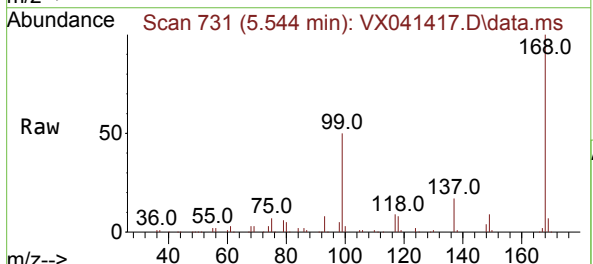
Instrument :
MSVOA_X
ClientSampleId :



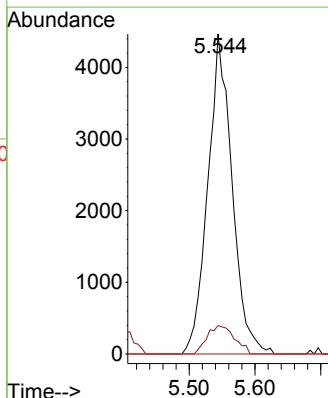
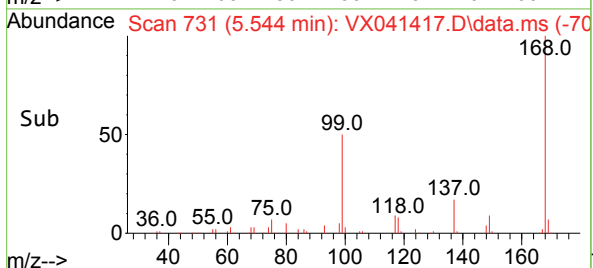
Tgt Ion:113 Resp: 81498
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 25.2 13.3 19.9#

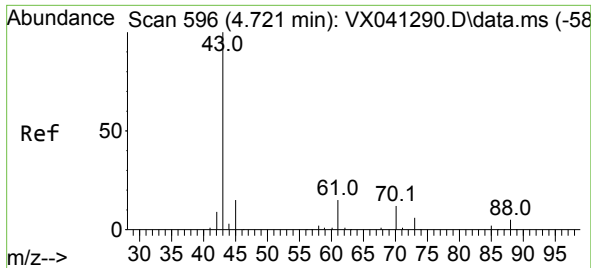


#36
1,1-Dichloropropene
Concen: 5.366 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43



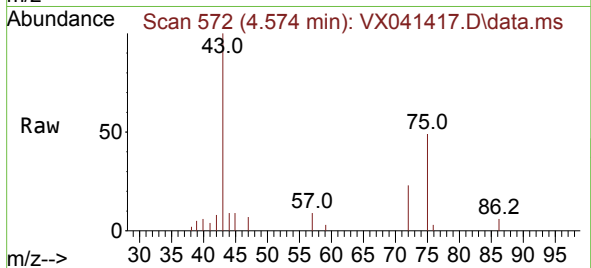
Tgt Ion: 75 Resp: 11462
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



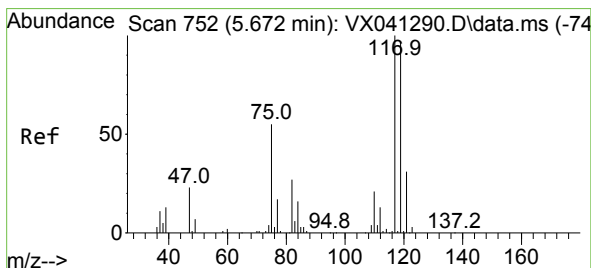
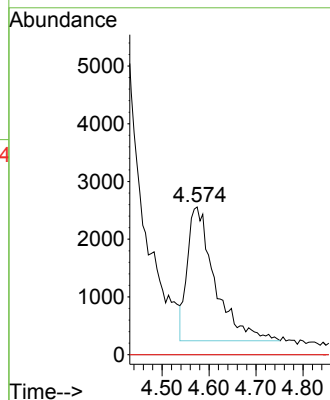
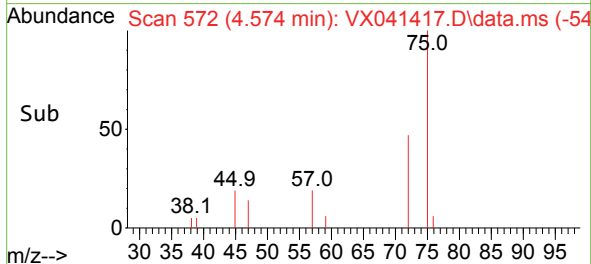


#37
Ethyl Acetate
Concen: 3.540 ug/l
RT: 4.574 min Scan# 51
Delta R.T. -0.146 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :

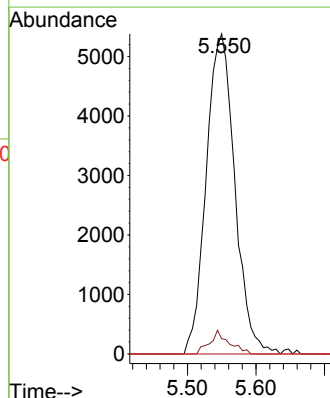
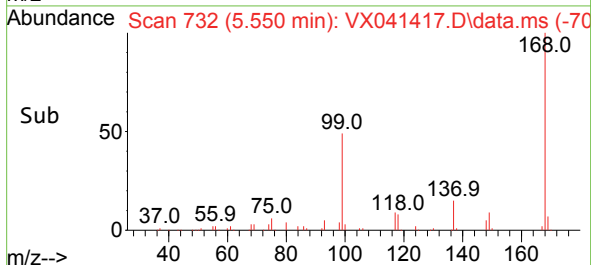
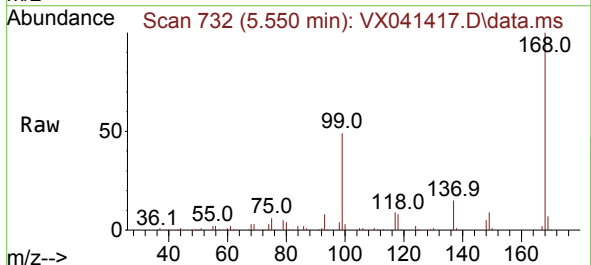


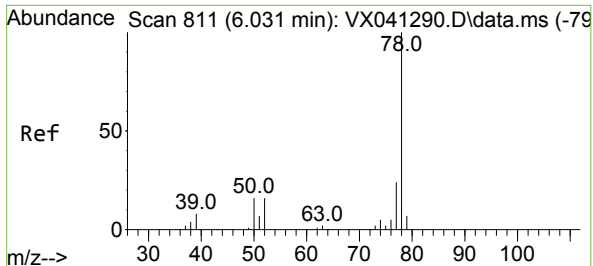
Tgt Ion: 43 Resp: 9435
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 6.373 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

Tgt Ion: 117 Resp: 15594
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#

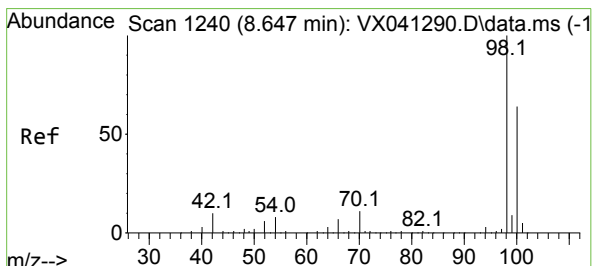
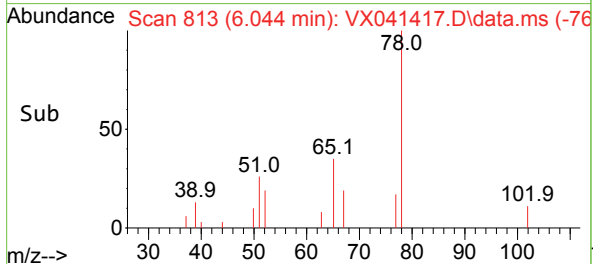
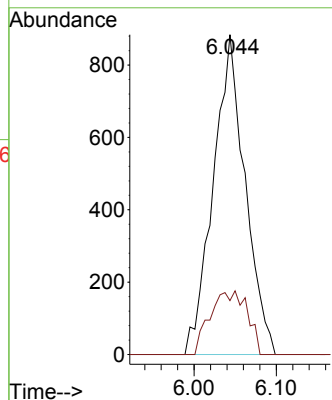
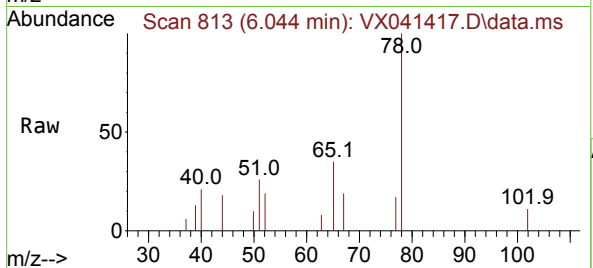




#40
Benzene
Concen: 0.362 ug/l
RT: 6.044 min Scan# 811
Delta R.T. 0.012 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

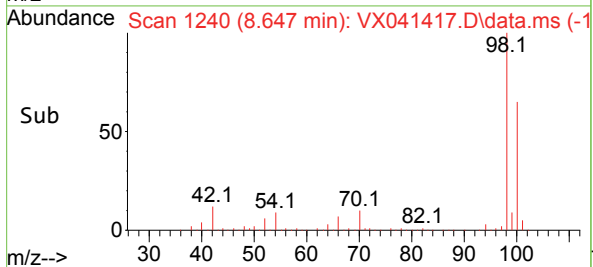
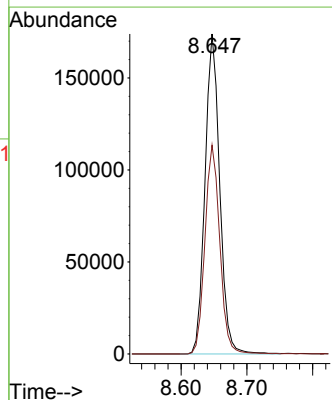
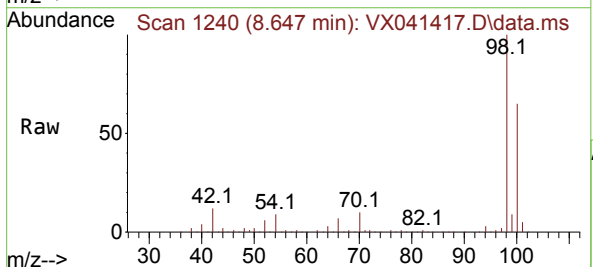
Instrument :
MSVOA_X
ClientSampleId :

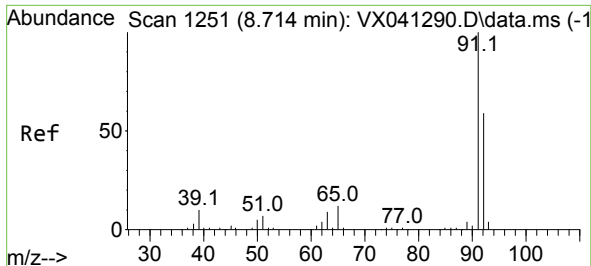
Tgt Ion: 78 Resp: 2381
Ion Ratio Lower Upper
78 100
77 16.9 19.3 28.9#



#50
Toluene-d8
Concen: 47.912 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

Tgt Ion: 98 Resp: 270880
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7

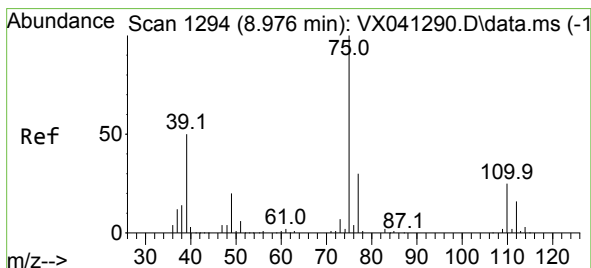
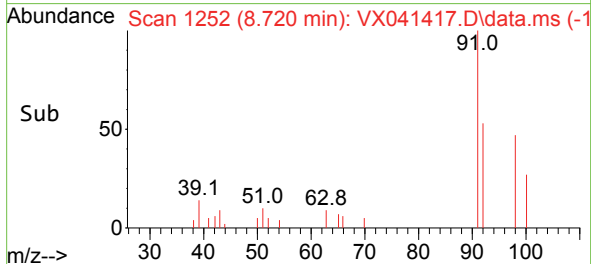
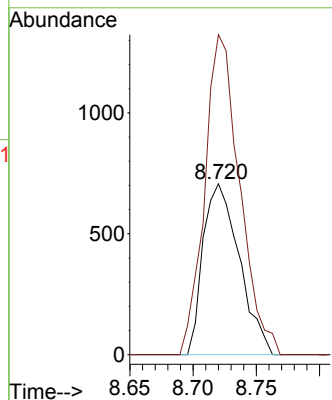
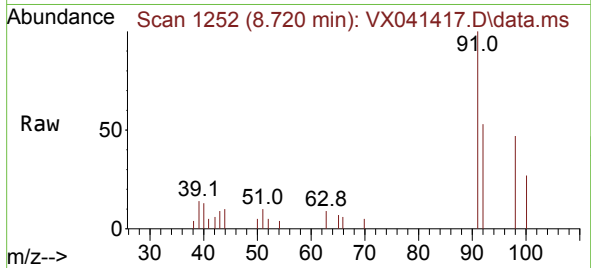




#52
Toluene
Concen: 0.349 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

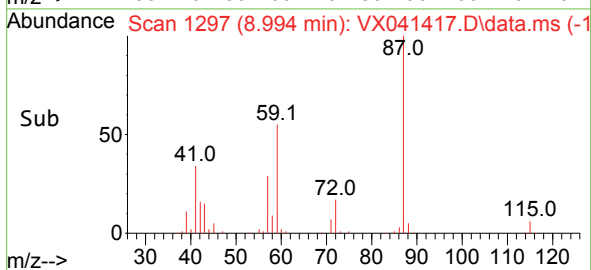
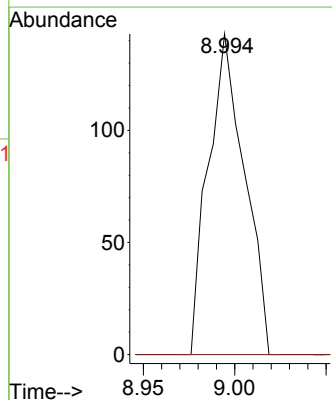
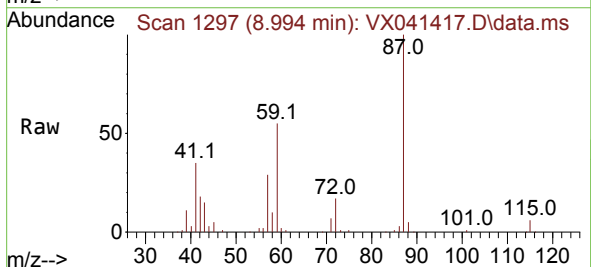
Instrument :
MSVOA_X
ClientSampleId :

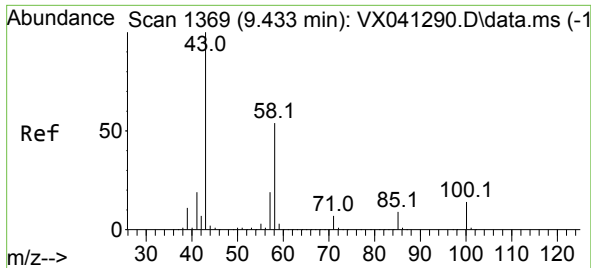
Tgt Ion: 92 Resp: 1407
Ion Ratio Lower Upper
92 100
91 181.0 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 2.519 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

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

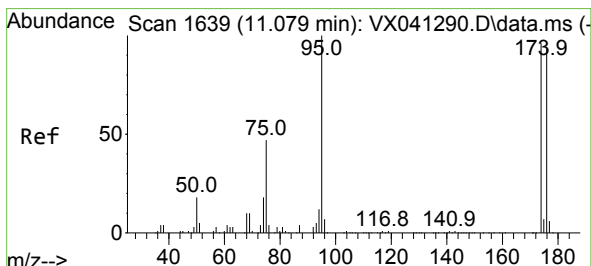
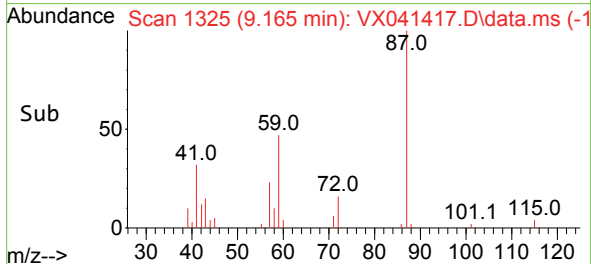
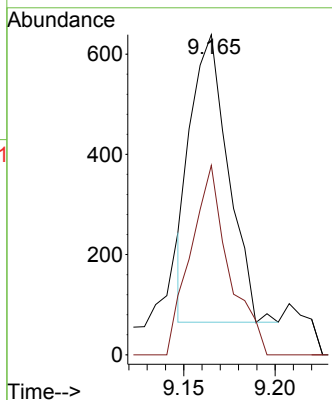
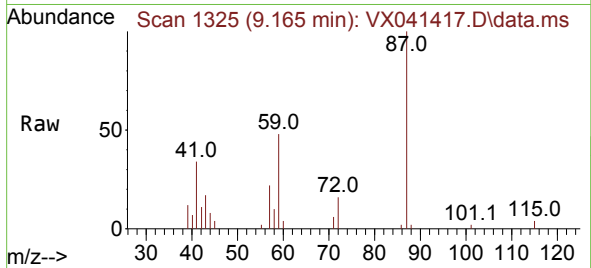




#59
2-Hexanone
Concen: 0.428 ug/l
RT: 9.165 min Scan# 11
Delta R.T. -0.268 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

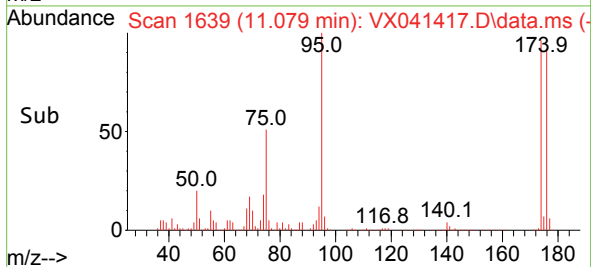
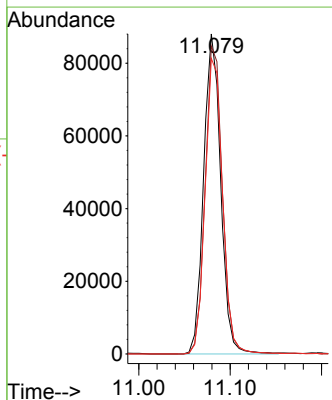
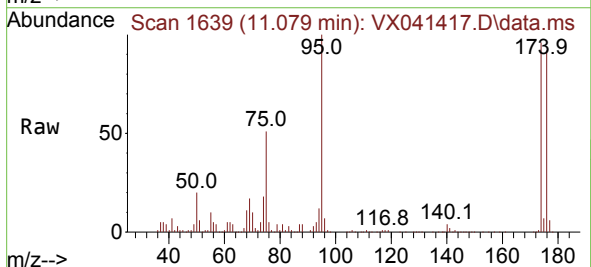
Instrument :
MSVOA_X
ClientSampleId :

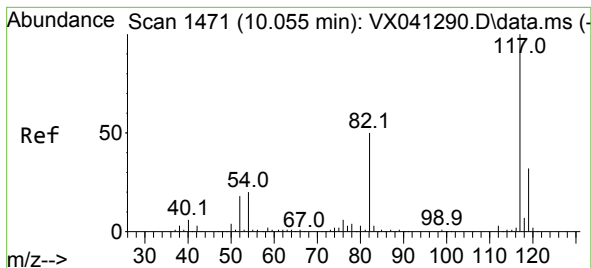
Tgt Ion: 43 Resp: 822
Ion Ratio Lower Upper
43 100
58 61.6 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 51.955 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

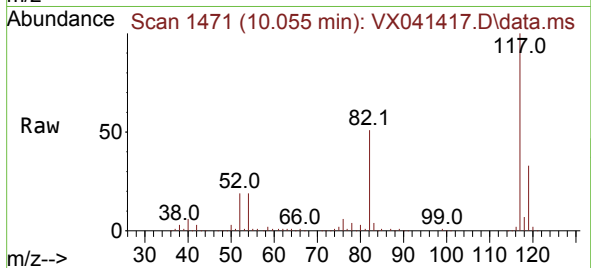
Tgt Ion: 95 Resp: 113709
Ion Ratio Lower Upper
95 100
174 97.5 0.0 135.6
176 94.5 0.0 131.0



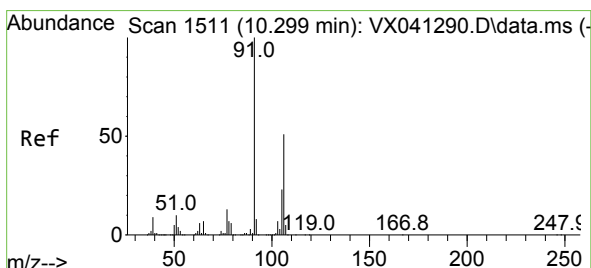
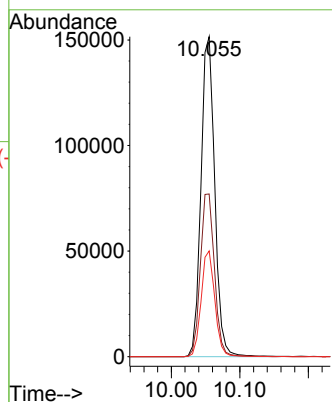
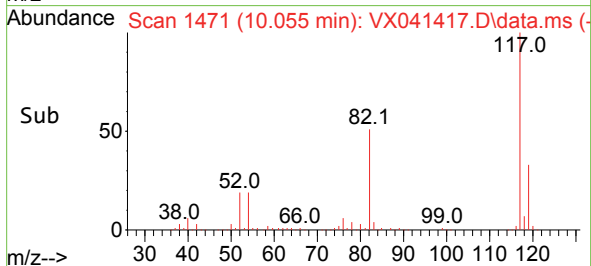


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

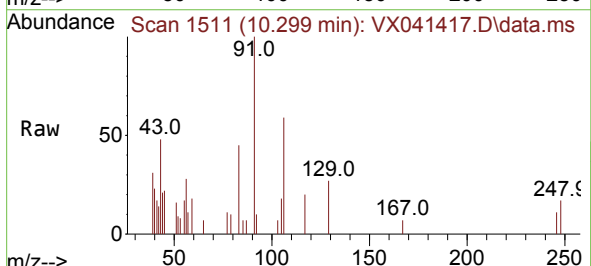
Instrument :
MSVOA_X
ClientSampleId :



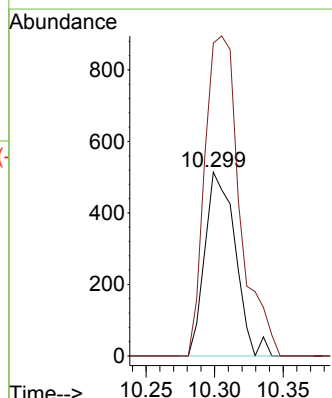
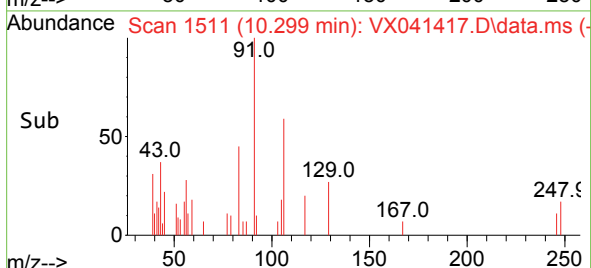
Tgt Ion:117 Resp: 212099
Ion Ratio Lower Upper
117 100
82 50.8 46.2 69.4
119 33.0 25.5 38.3

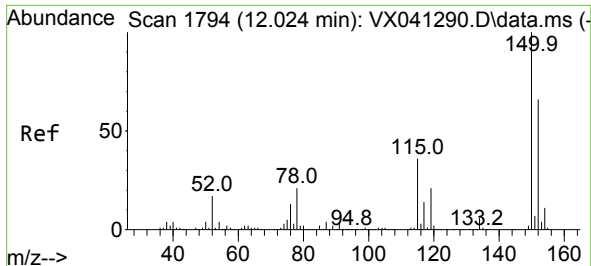


#68
m/p-Xylenes
Concen: 0.278 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43



Tgt Ion:106 Resp: 792
Ion Ratio Lower Upper
106 100
91 201.0 165.5 248.3

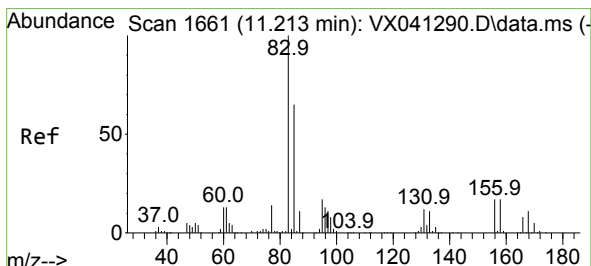
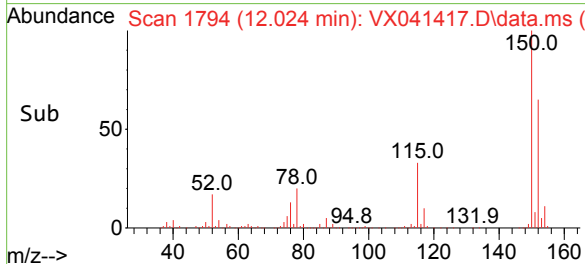
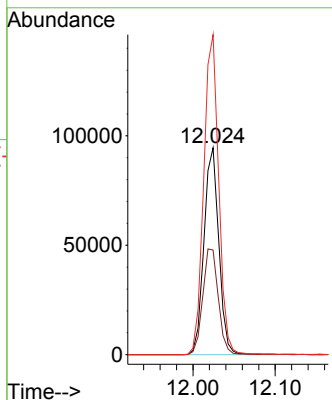
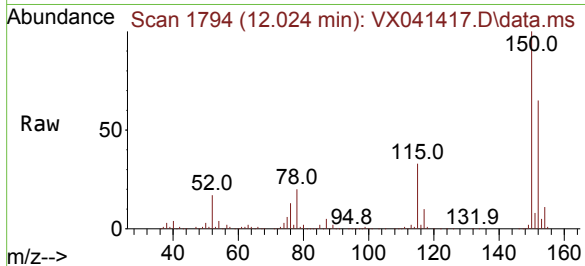




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX041417.D
 Acq: 08 May 2024 13:43

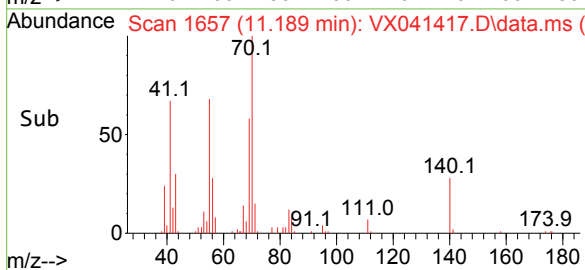
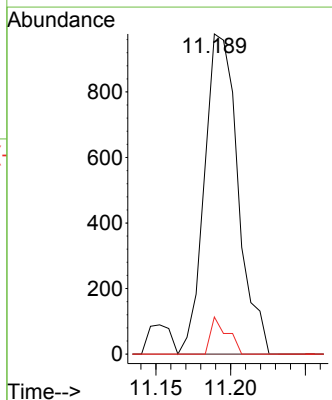
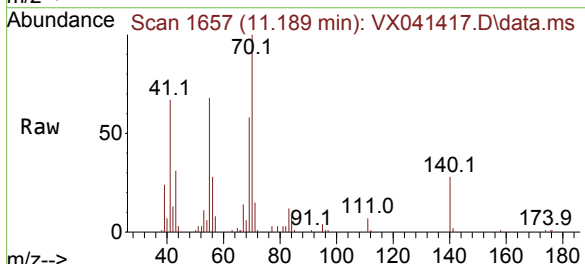
Instrument :
 MSVOA_X
 ClientSampleId :

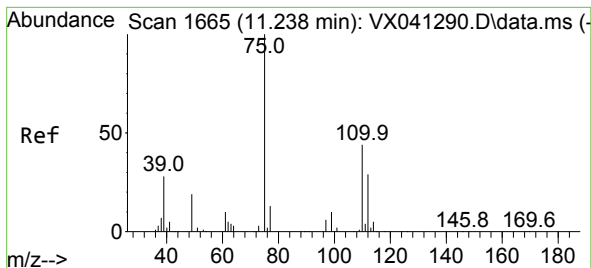
Tgt Ion:152 Resp: 118671
 Ion Ratio Lower Upper
 152 100
 115 53.5 43.3 129.9
 150 156.3 0.0 345.0



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.641 ug/l
 RT: 11.189 min Scan# 1657
 Delta R.T. -0.024 min
 Lab File: VX041417.D
 Acq: 08 May 2024 13:43

Tgt Ion: 83 Resp: 1522
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.3 15.8#
 85 5.7 32.0 96.2#





#76

1,2,3-Trichloropropane

Concen: 30.058 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX041417.D

Acq: 08 May 2024 13:43

Instrument :

MSVOA_X

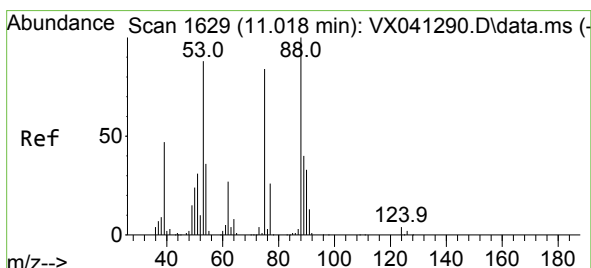
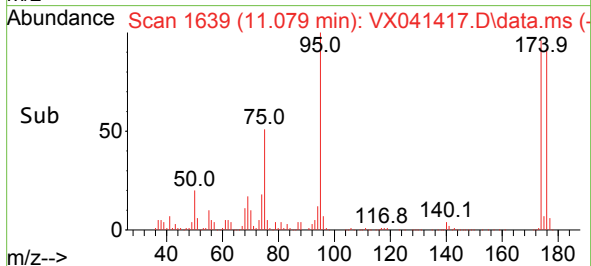
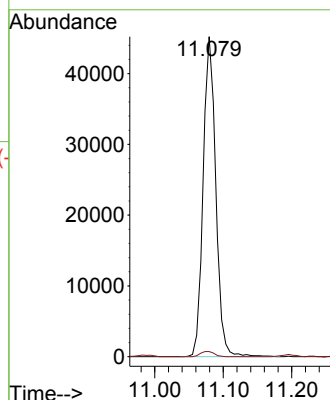
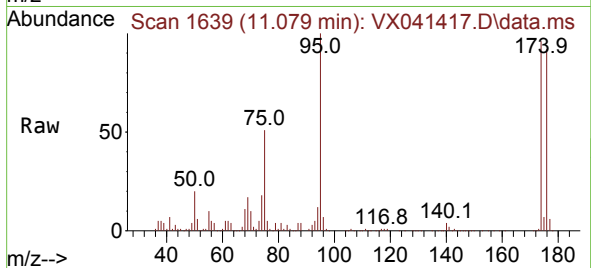
ClientSampleId :

Tgt Ion: 75 Resp: 58131

Ion Ratio Lower Upper

75 100

77 1.8 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.874 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041417.D

Acq: 08 May 2024 13:43

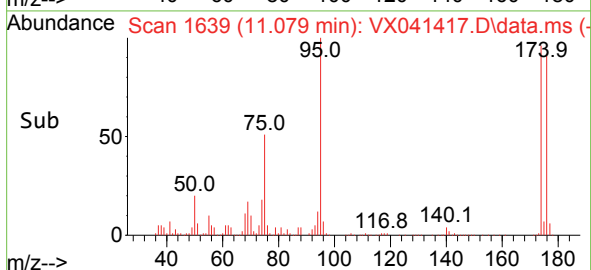
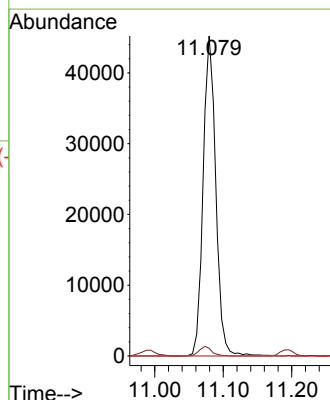
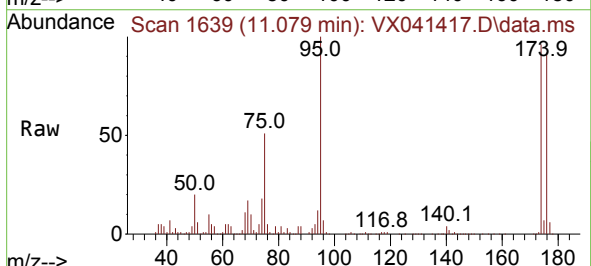
Tgt Ion: 75 Resp: 58131

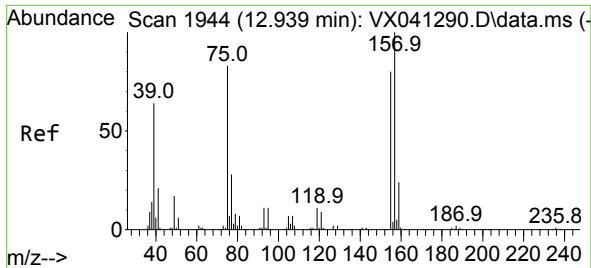
Ion Ratio Lower Upper

75 100

53 3.0 90.5 135.7#

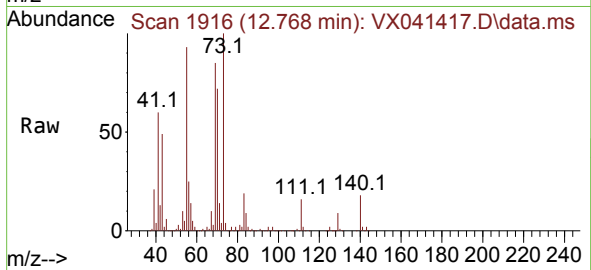
89 0.0 36.9 55.3#





#92
1,2-Dibromo-3-Chloropropane
Concen: 1.597 ug/l
RT: 12.768 min Scan# 1916
Delta R.T. -0.171 min
Lab File: VX041417.D
Acq: 08 May 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	75	Resp:	876
Ion	Ratio	Lower	Upper
75	100		
155	0.0	36.1	108.5#
157	0.0	44.9	134.7#

