

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050624\
 Data File : VX041389.D
 Acq On : 06 May 2024 19:07
 Operator : JC/MD
 Sample : PB160704TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

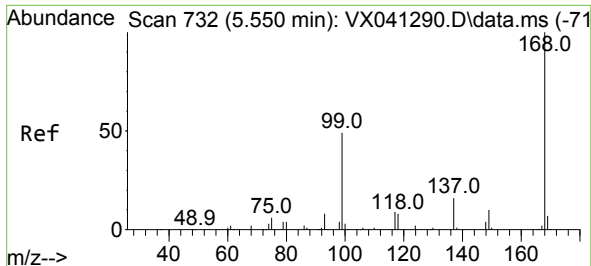
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 07 02:05:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	181141	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	277398	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95553	48.456	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.920%		
35) Dibromofluoromethane	5.385	113	78681	41.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	83.720%		
50) Toluene-d8	8.647	98	297009	49.919	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.840%		
62) 4-Bromofluorobenzene	11.079	95	95986	41.674	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.340%		
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	268	0.291	ug/l	# 59
6) Chloroethane	1.685	64	972	1.426	ug/l	# 46
11) Tert butyl alcohol	3.014	59	1633	4.137	ug/l	100
16) Acetone	2.392	43	28194	29.010	ug/l	95
18) Methyl Acetate	2.709	43	1902	0.943	ug/l	95
20) Methylene Chloride	2.788	84	5787	3.380	ug/l	# 92
25) 2-Butanone	4.586	43	10525	8.246	ug/l	92
29) Tetrahydrofuran	5.044	42	450	0.539	ug/l	# 80
31) Cyclohexane	5.537	56	2875	1.208	ug/l	# 12
36) 1,1-Dichloropropene	5.550	75	11320	5.036	ug/l	# 51
37) Ethyl Acetate	4.745	43	3069	1.094	ug/l	# 86
38) Carbon Tetrachloride	5.544	117	15804	6.137	ug/l	# 15
43) Isopropyl Acetate	6.342	43	116966	27.737	ug/l	99
44) Trichloroethene	7.129	130	380	0.208	ug/l	84
48) Methyl methacrylate	7.616	41	4290	2.219	ug/l	# 16
49) 1,4-Dioxane	7.641	88	19	0.455	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	90622	35.813	ug/l	# 50
52) Toluene	8.720	92	1890	0.446	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	549	0.252	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	40165	16.634	ug/l	# 57
57) 1,3-Dichloropropane	9.482	76	5025	1.844	ug/l	# 42
59) 2-Hexanone	9.482	43	64551	31.902	ug/l	# 53
74) N-amyl acetate	10.780	43	1296	0.423	ug/l	# 52
76) 1,2,3-Trichloropropane	11.079	75	50303	26.856	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	50303	73.151	ug/l	# 5

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

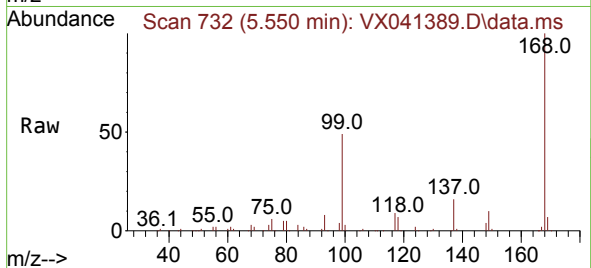


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

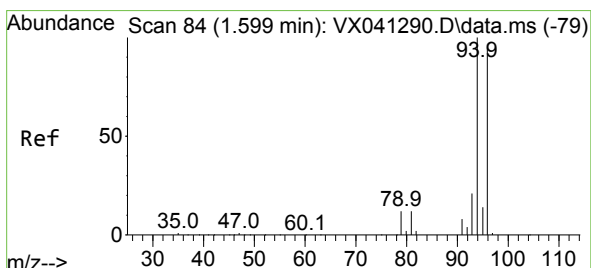
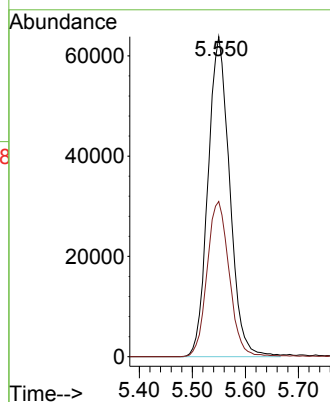
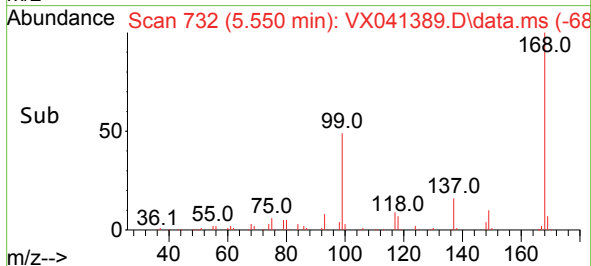
Instrument :

MSVOA_X

ClientSampleId :

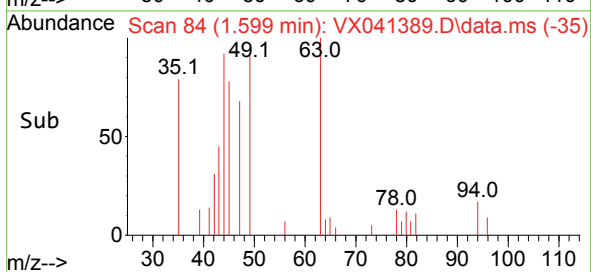
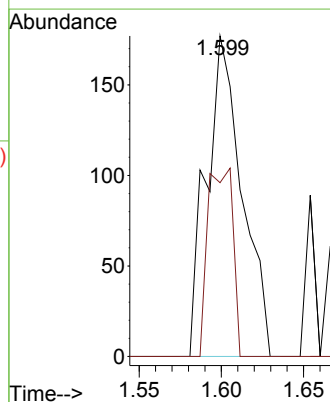
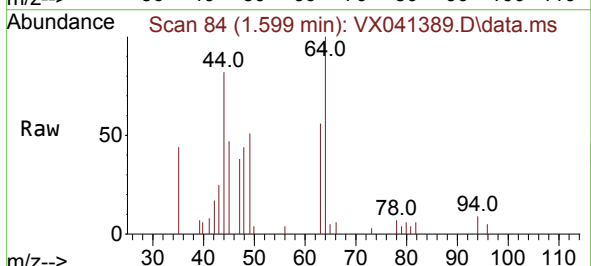


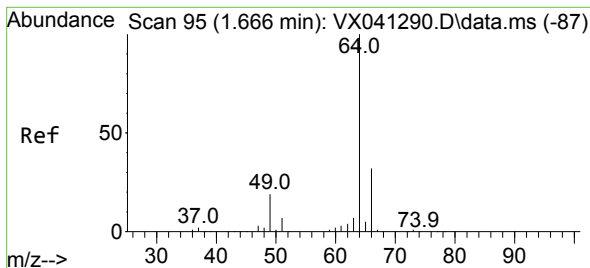
Tgt Ion:168 Resp: 181141
Ion Ratio Lower Upper
168 100
99 48.5 56.6 85.0#



#5
Bromomethane
Concen: 0.291 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

Tgt Ion: 94 Resp: 268
Ion Ratio Lower Upper
94 100
96 54.2 74.6 111.8#





#6

Chloroethane

Concen: 1.426 ug/l

RT: 1.685 min Scan# 91

Delta R.T. 0.018 min

Lab File: VX041389.D

Acq: 06 May 2024 19:07

Instrument :

MSVOA_X

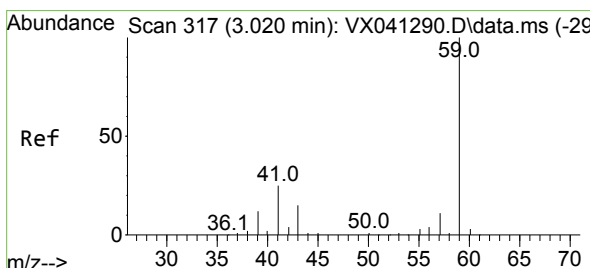
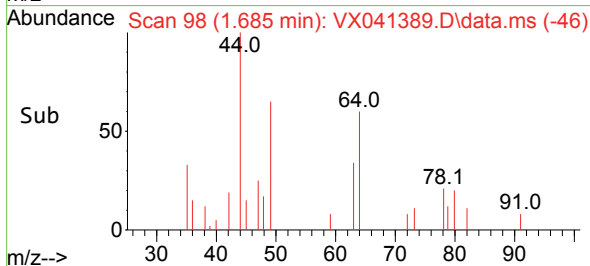
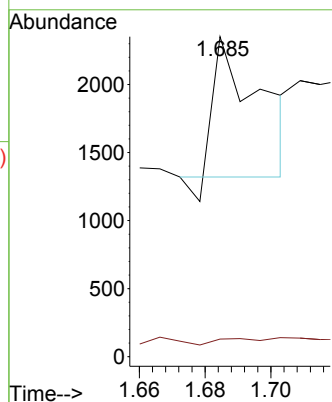
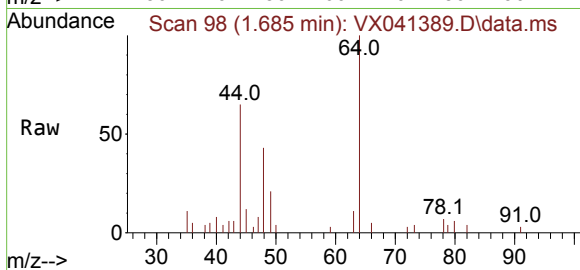
ClientSampleId :

Tgt Ion: 64 Resp: 972

Ion Ratio Lower Upper

64 100

66 1.5 25.1 37.7#



#11

Tert butyl alcohol

Concen: 4.137 ug/l

RT: 3.014 min Scan# 316

Delta R.T. -0.006 min

Lab File: VX041389.D

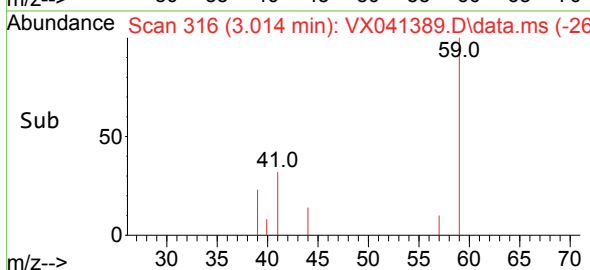
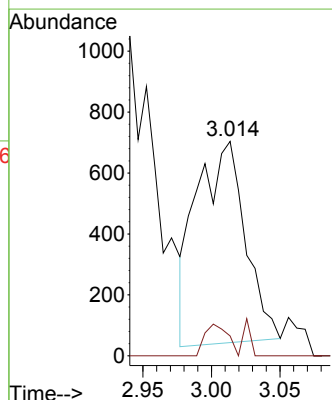
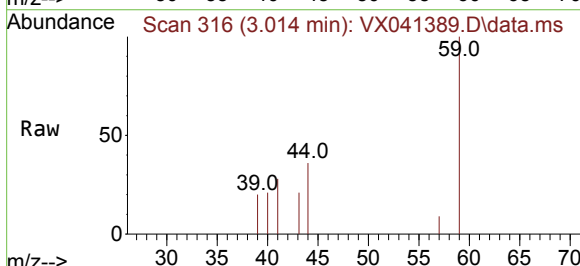
Acq: 06 May 2024 19:07

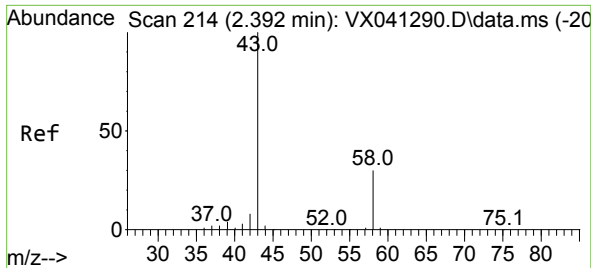
Tgt Ion: 59 Resp: 1633

Ion Ratio Lower Upper

59 100

57 7.4 6.0 9.0

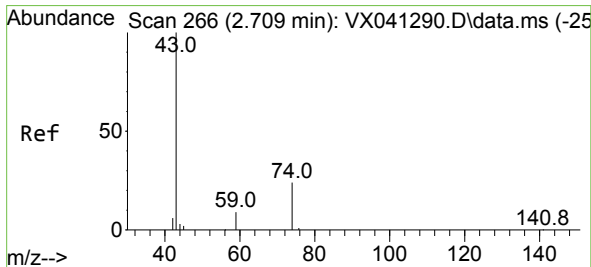
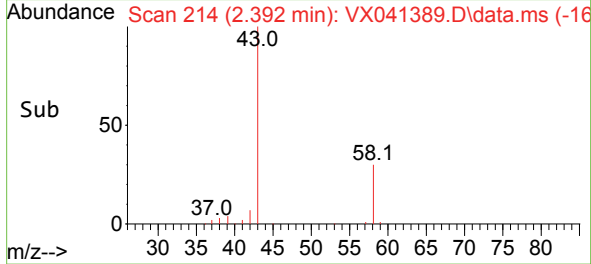
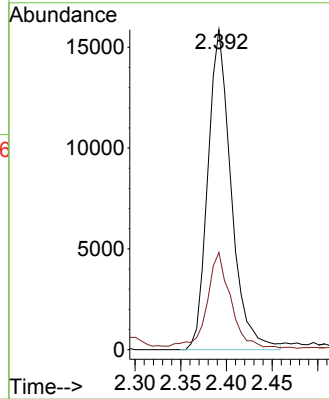
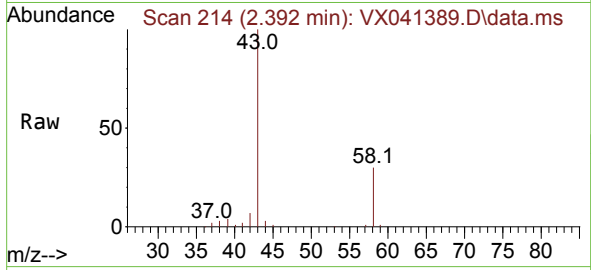




#16
Acetone
Concen: 29.010 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

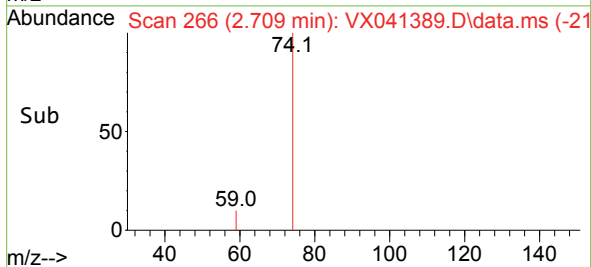
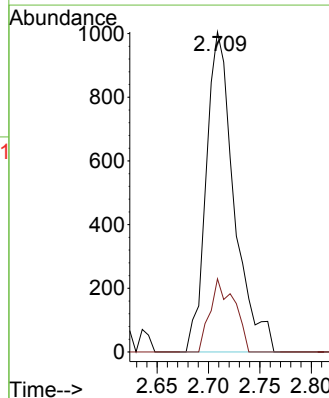
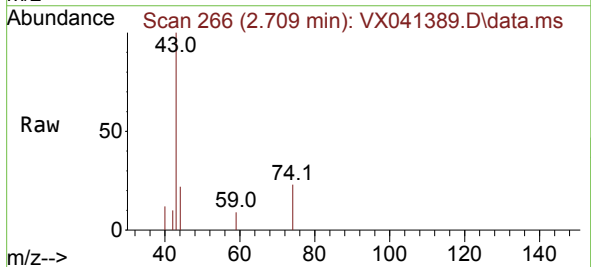
Instrument :
MSVOA_X
ClientSampleId :

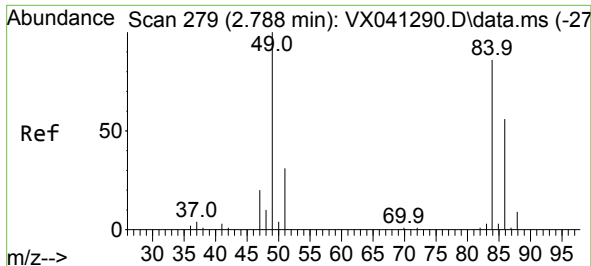
Tgt Ion: 43 Resp: 28194
Ion Ratio Lower Upper
43 100
58 29.7 21.9 32.9



#18
Methyl Acetate
Concen: 0.943 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

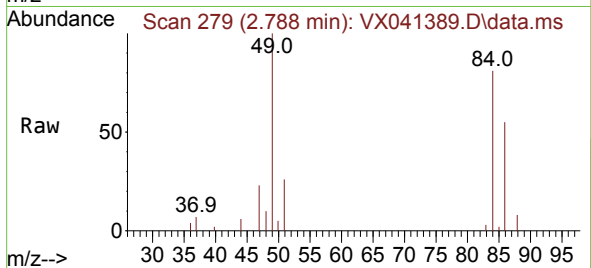
Tgt Ion: 43 Resp: 1902
Ion Ratio Lower Upper
43 100
74 19.9 17.8 26.8



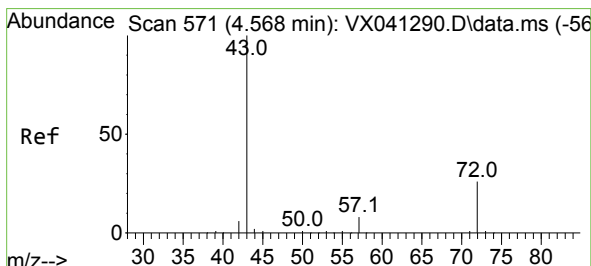
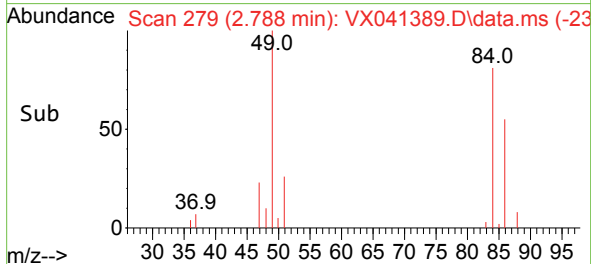
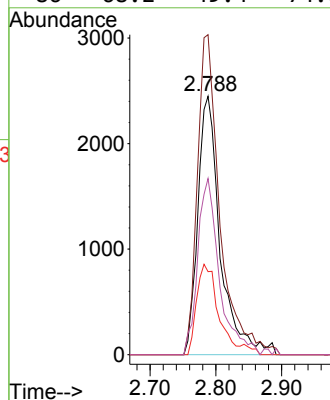


#20
Methylene Chloride
Concen: 3.380 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

Instrument :
MSVOA_X
ClientSampleId :

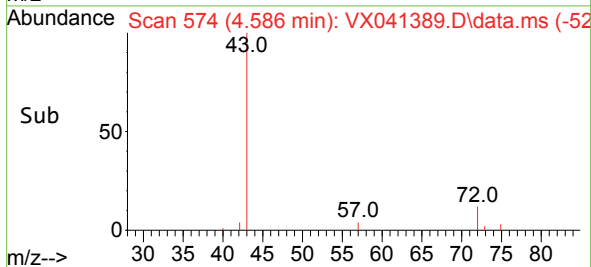
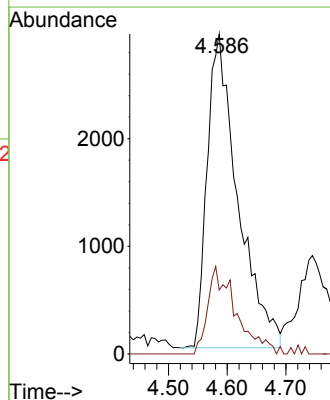
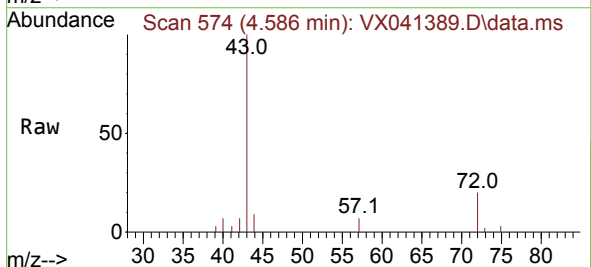


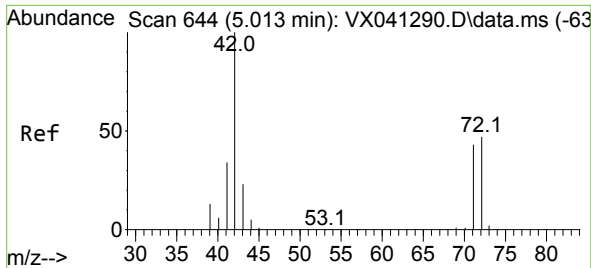
Tgt Ion: 84	Resp: 5787
Ion Ratio	Lower Upper
84 100	
49 123.9	103.6 155.4
51 32.1	33.8 50.6#
86 68.2	49.4 74.0



#25
2-Butanone
Concen: 8.246 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

Tgt Ion: 43	Resp: 10525		
Ion Ratio	Lower	Upper	
43	100		
72	20.4	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.539 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.030 min

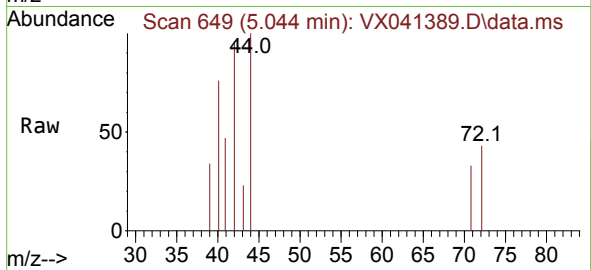
Lab File: VX041389.D

Acq: 06 May 2024 19:07

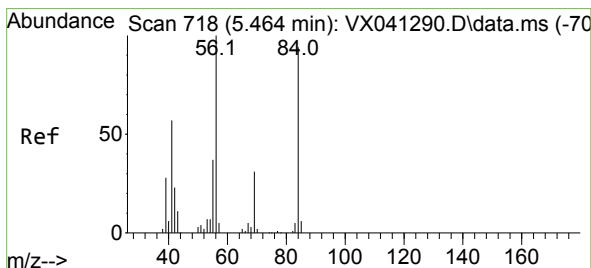
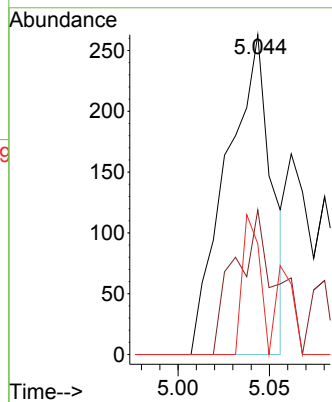
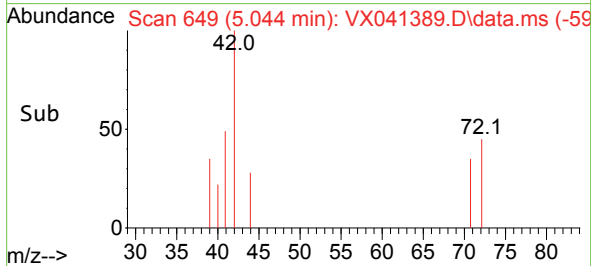
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	450
Ion Ratio	Lower	Upper	
42	100		
72	41.1	34.2	51.4
71	16.7	32.2	48.2#



#31

Cyclohexane

Concen: 1.208 ug/l

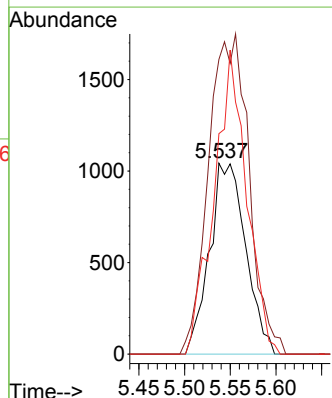
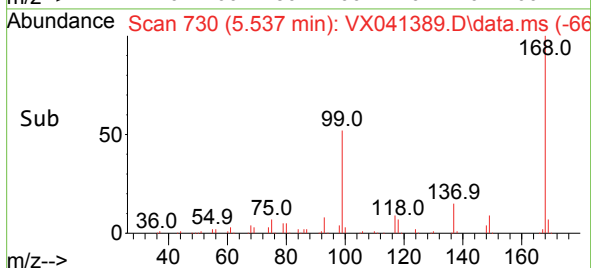
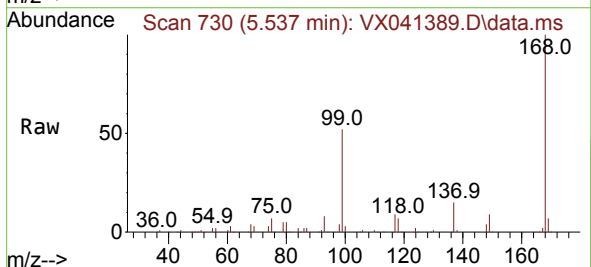
RT: 5.537 min Scan# 730

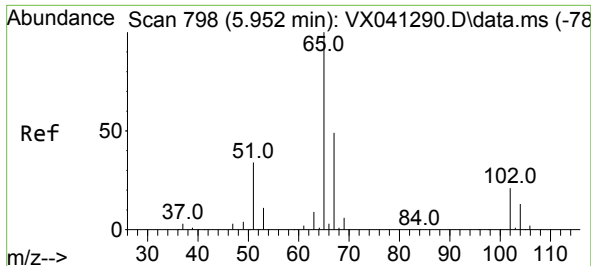
Delta R.T. 0.073 min

Lab File: VX041389.D

Acq: 06 May 2024 19:07

Tgt Ion:	56	Resp:	2875
Ion Ratio	Lower	Upper	
56	100		
69	154.4	23.4	35.2#
84	115.4	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.456 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041389.D

Acq: 06 May 2024 19:07

Instrument :

MSVOA_X

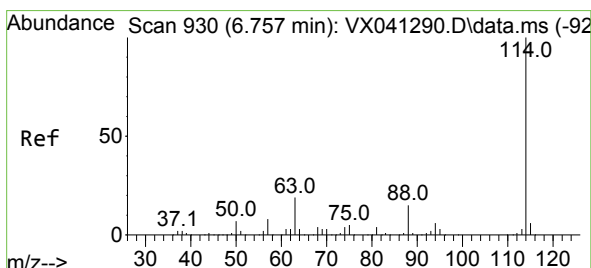
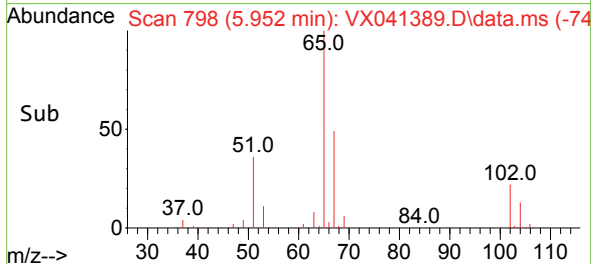
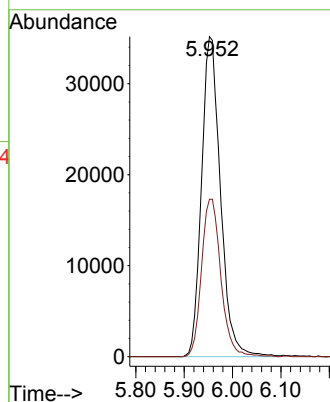
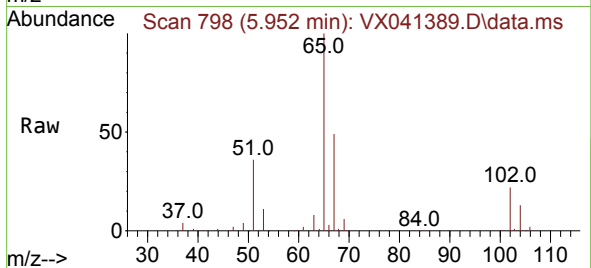
ClientSampleId :

Tgt Ion: 65 Resp: 95553

Ion Ratio Lower Upper

65 100

67 50.3 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: VX041389.D

Acq: 06 May 2024 19:07

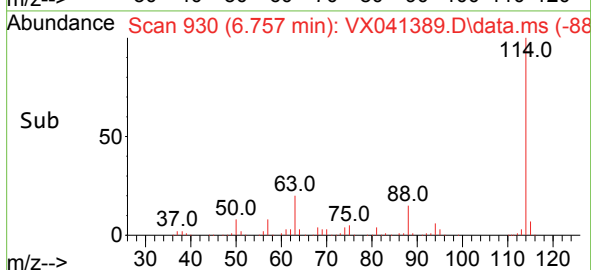
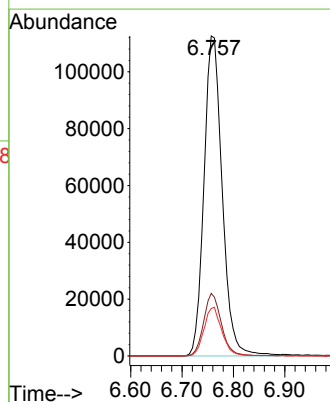
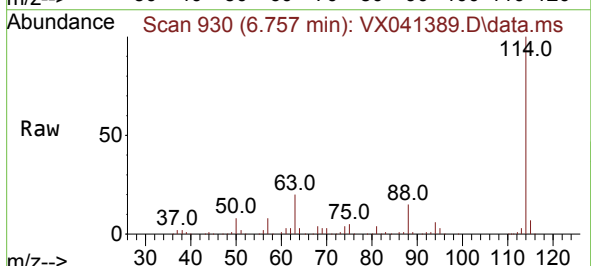
Tgt Ion: 114 Resp: 277398

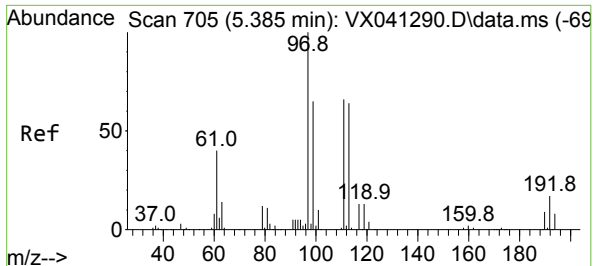
Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.0

88 14.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 41.855 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

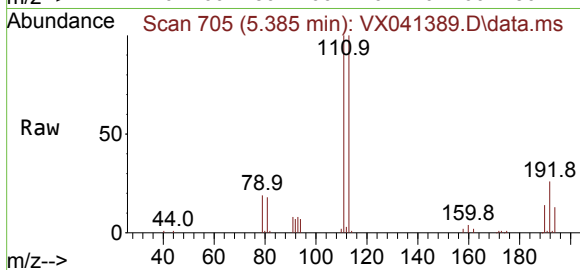
Lab File: VX041389.D

Acq: 06 May 2024 19:07

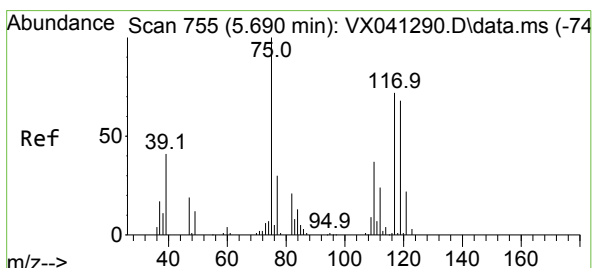
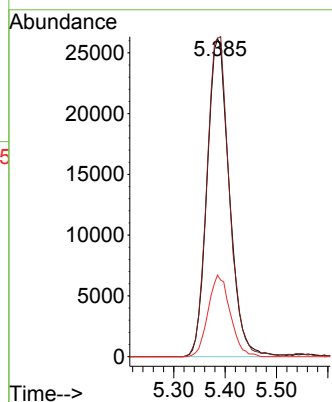
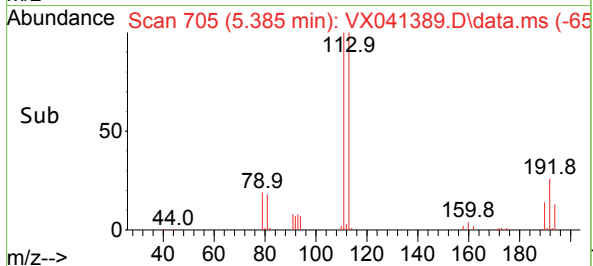
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	78681
Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.9	124.3
192	25.5	13.3	19.9#



#36

1,1-Dichloropropene

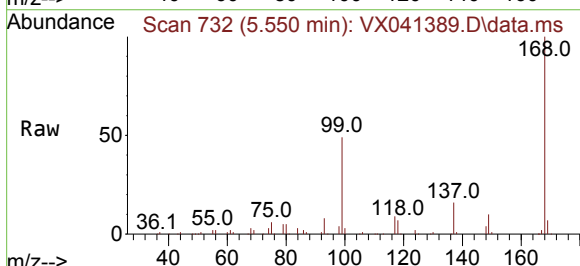
Concen: 5.036 ug/l

RT: 5.550 min Scan# 732

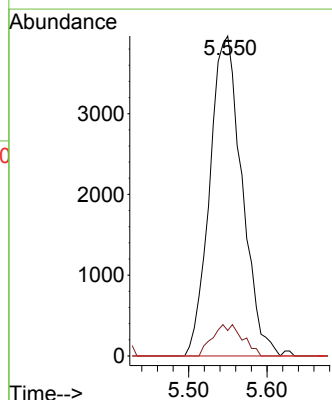
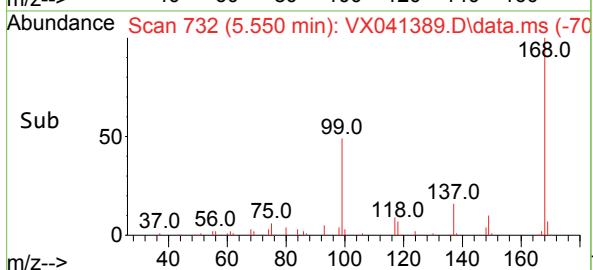
Delta R.T. -0.140 min

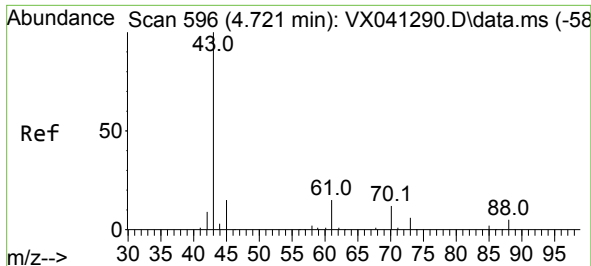
Lab File: VX041389.D

Acq: 06 May 2024 19:07



Tgt Ion:	75	Resp:	11320
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.0	50.9#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 1.094 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.024 min

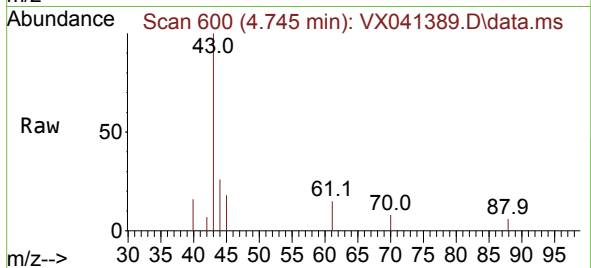
Lab File: VX041389.D

Acq: 06 May 2024 19:07

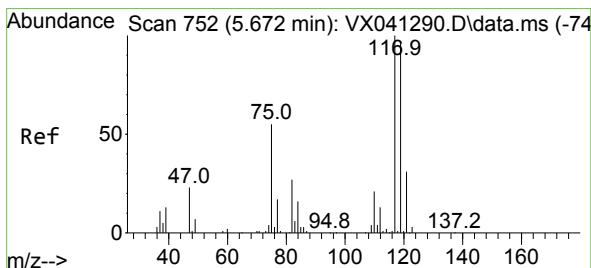
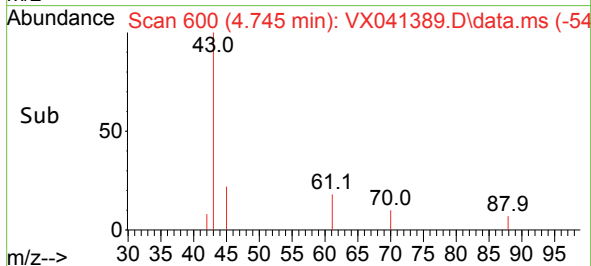
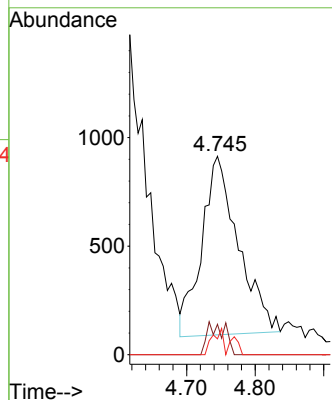
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 3069
Ion Ratio	Lower Upper
43	100
61	8.7 10.6 16.0#
70	4.2 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.137 ug/l

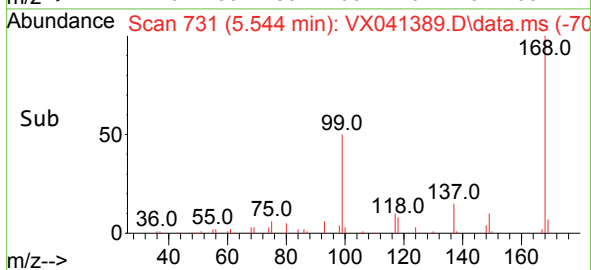
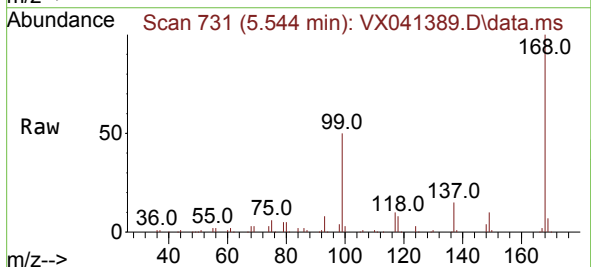
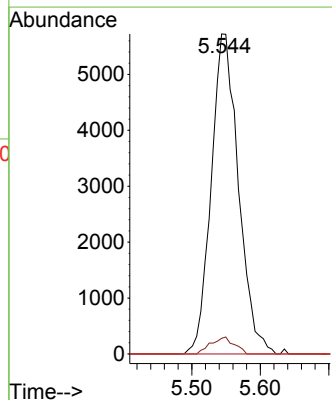
RT: 5.544 min Scan# 731

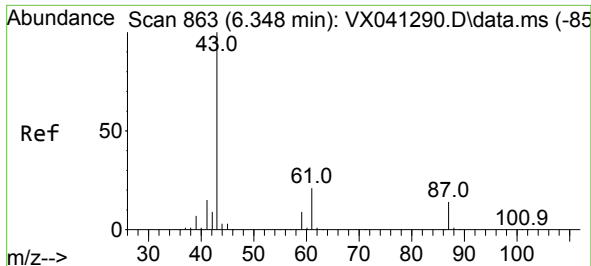
Delta R.T. -0.128 min

Lab File: VX041389.D

Acq: 06 May 2024 19:07

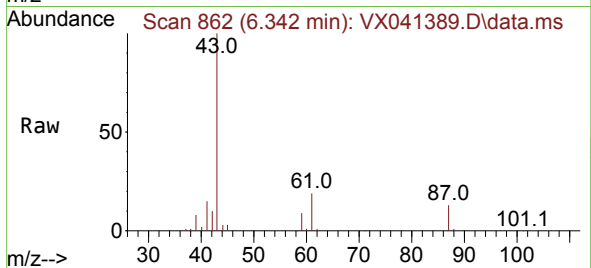
Tgt Ion: 117	Resp: 15804
Ion Ratio	Lower Upper
117	100
119	4.9 78.2 117.2#
121	0.0 24.4 36.6#



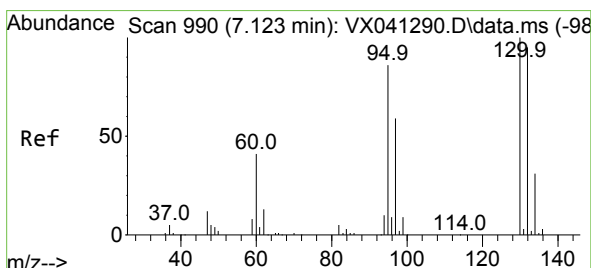
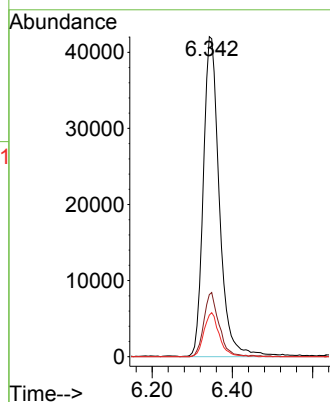
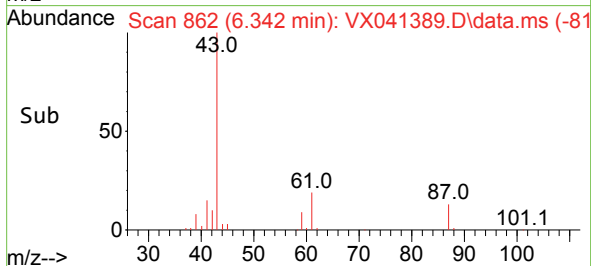


#43
Isopropyl Acetate
Concen: 27.737 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

Instrument :
MSVOA_X
ClientSampleId :

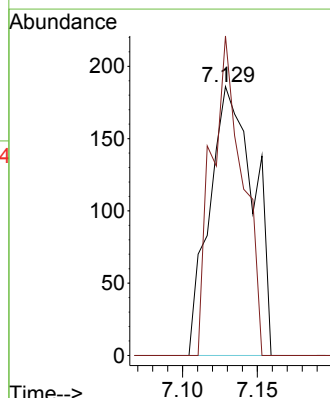
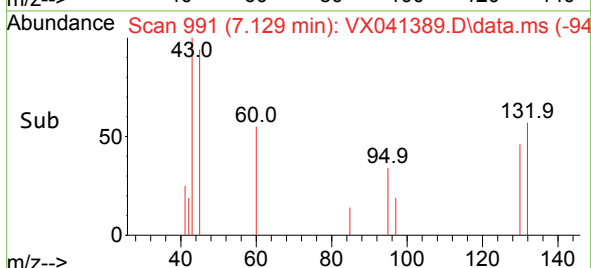
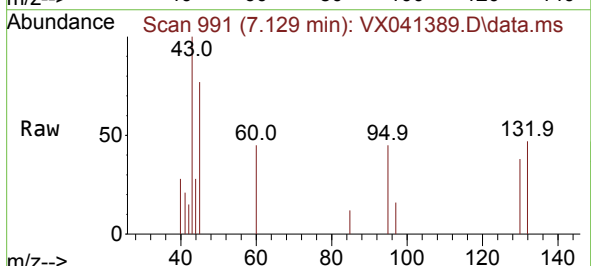


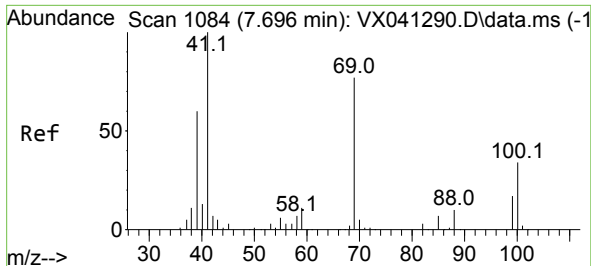
Tgt Ion: 43 Resp: 116966
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 13.1 9.8 14.6



#44
Trichloroethene
Concen: 0.208 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

Tgt Ion:130 Resp: 380
Ion Ratio Lower Upper
130 100
95 118.8 0.0 204.4

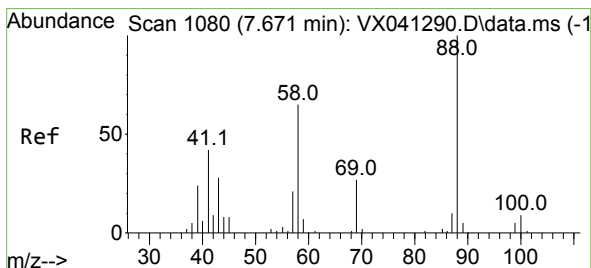
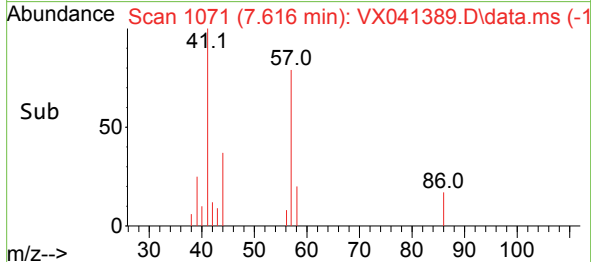
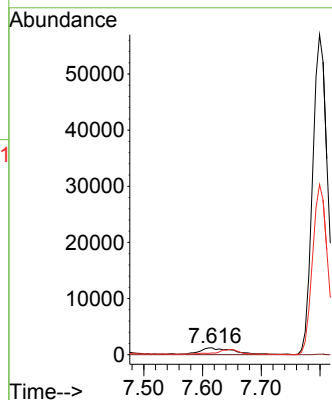
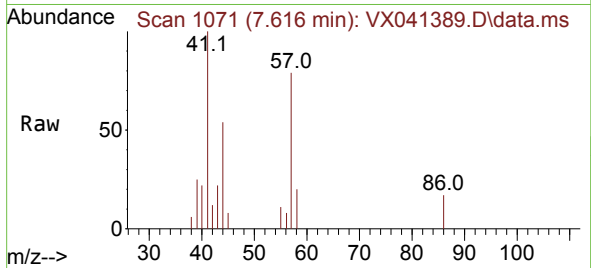




#48
Methyl methacrylate
Concen: 2.219 ug/l
RT: 7.616 min Scan# 1071
Delta R.T. -0.079 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

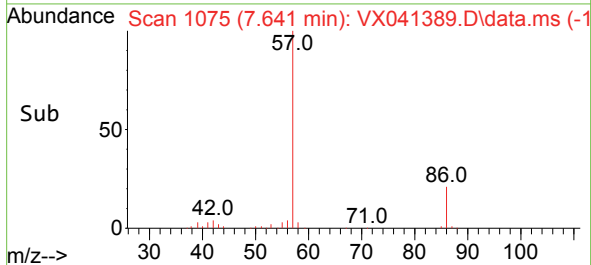
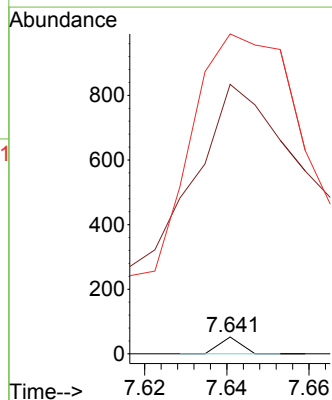
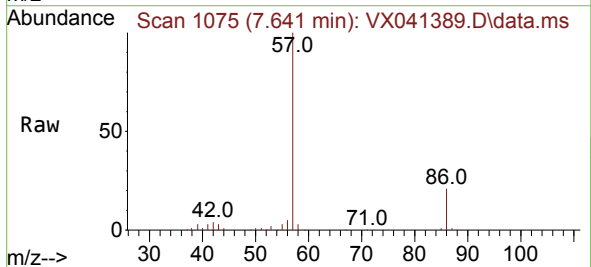
Instrument :
MSVOA_X
ClientSampleId :

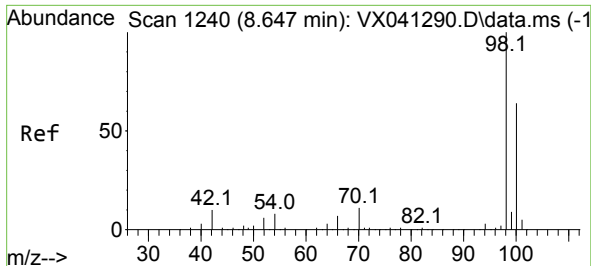
Tgt Ion: 41 Resp: 4290
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#



#49
1,4-Dioxane
Concen: 0.455 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.031 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 15084.2 60.1 90.1#

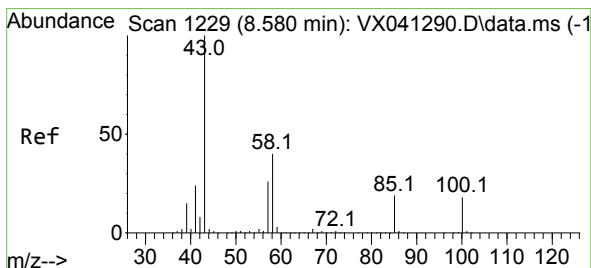
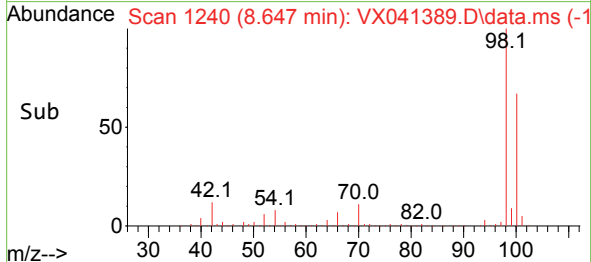
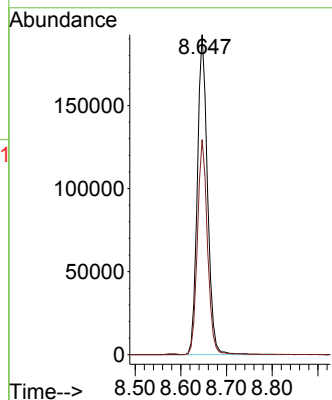
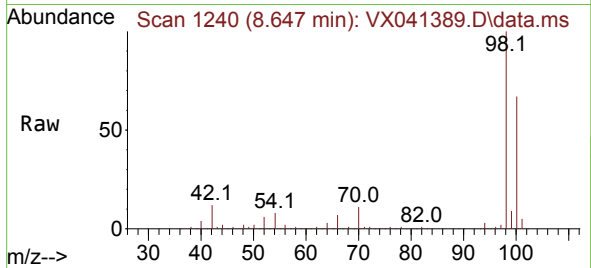




#50
Toluene-d8
Concen: 49.919 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

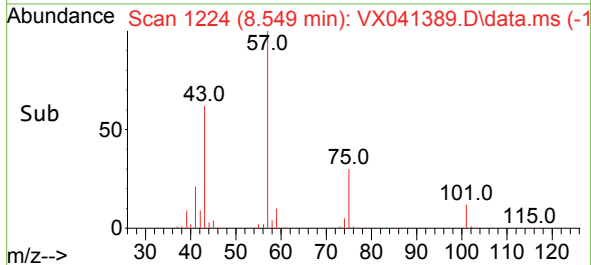
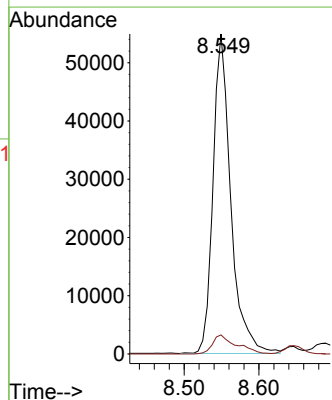
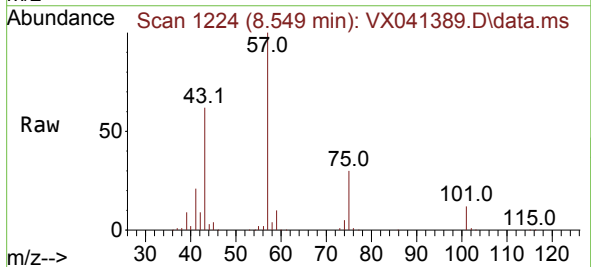
Instrument :
MSVOA_X
ClientSampleId :

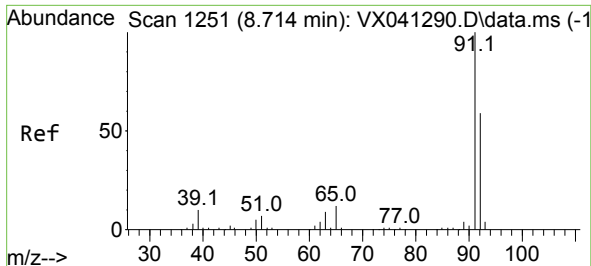
Tgt Ion: 98 Resp: 297009
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 35.813 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

Tgt Ion: 43 Resp: 90622
Ion Ratio Lower Upper
43 100
58 8.1 30.4 45.6#

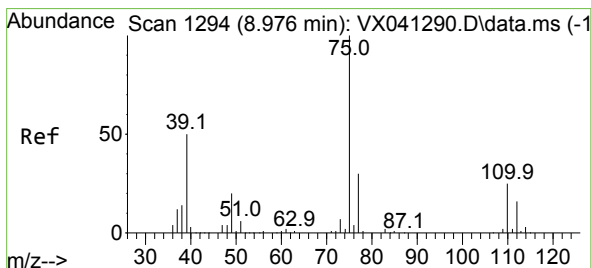
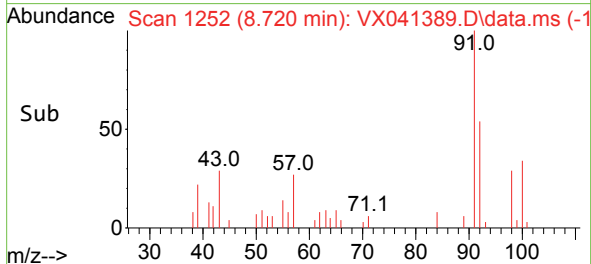
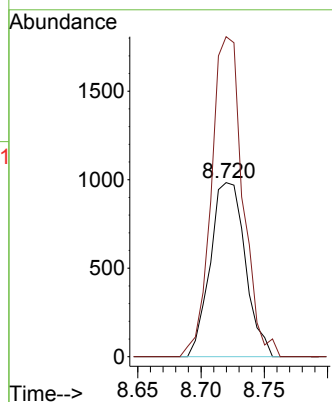
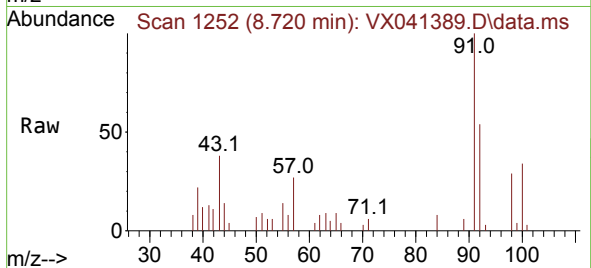




#52
Toluene
Concen: 0.446 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

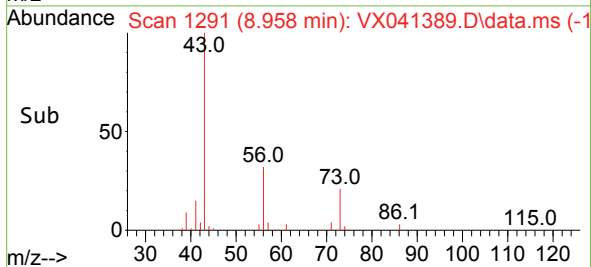
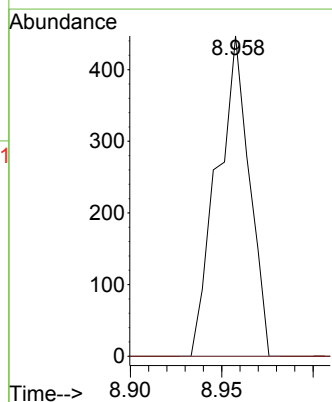
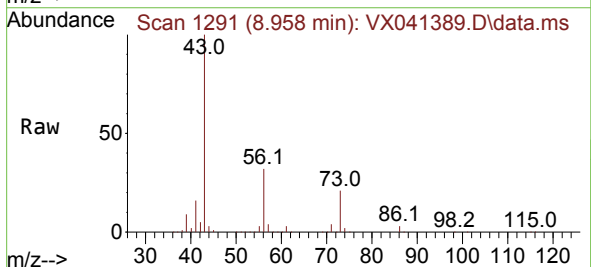
Instrument :
MSVOA_X
ClientSampleId :

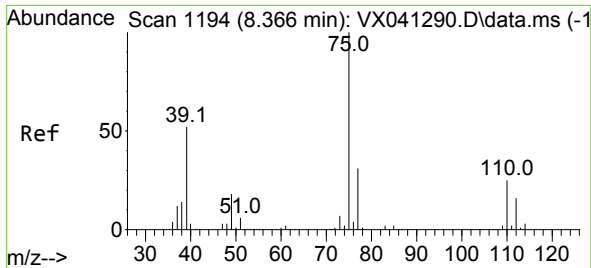
Tgt Ion: 92 Resp: 1890
Ion Ratio Lower Upper
92 100
91 166.2 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.252 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

Tgt Ion: 75 Resp: 549
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

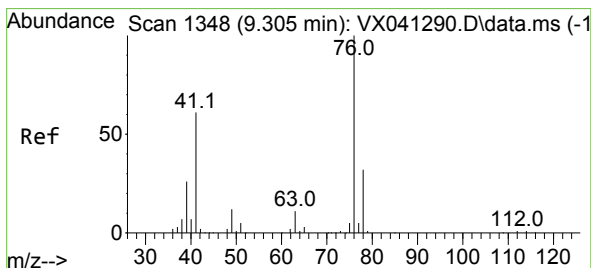
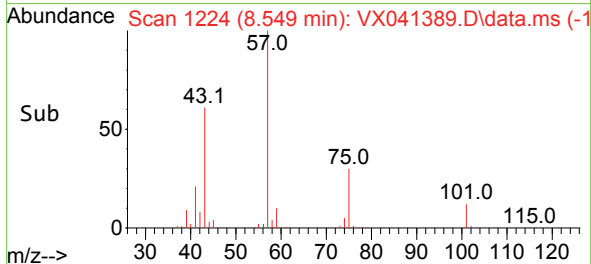
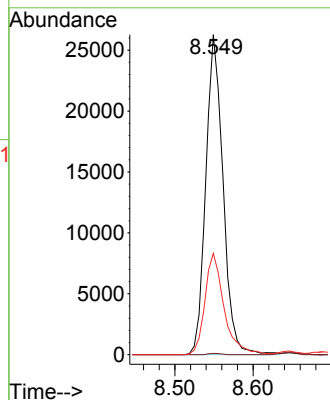
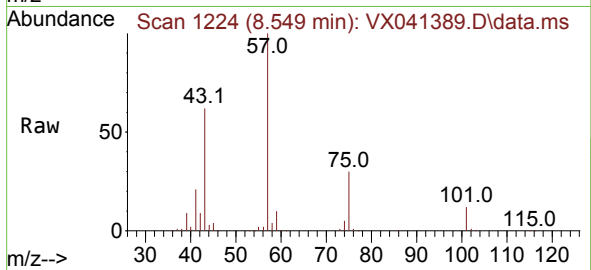




#54
 cis-1,3-Dichloropropene
 Concen: 16.634 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX041389.D
 Acq: 06 May 2024 19:07

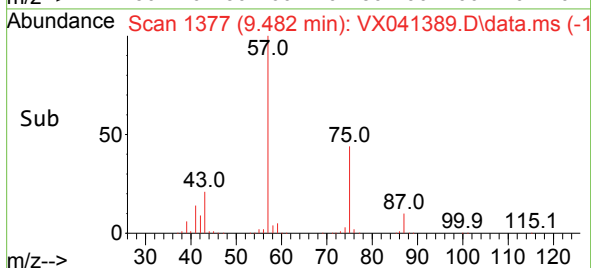
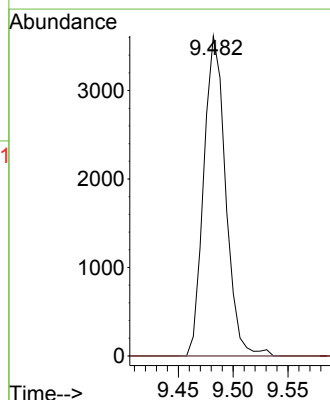
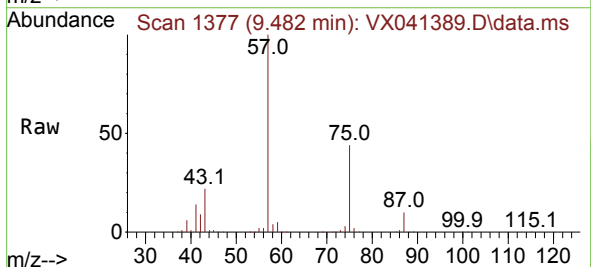
Instrument :
 MSVOA_X
 ClientSampleId :

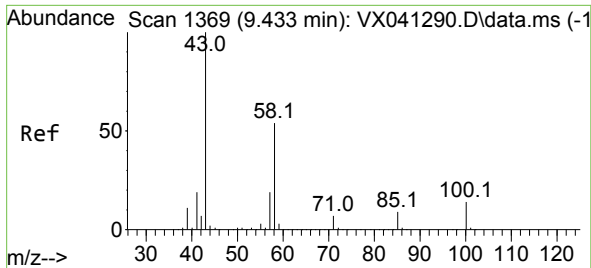
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.4	25.3	37.9#
39	31.6	46.7	70.1#



#57
 1,3-Dichloropropane
 Concen: 1.844 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX041389.D
 Acq: 06 May 2024 19:07

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.1	39.1#

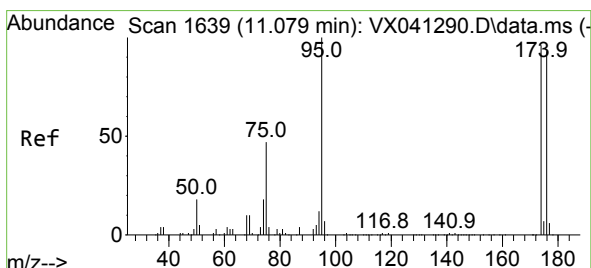
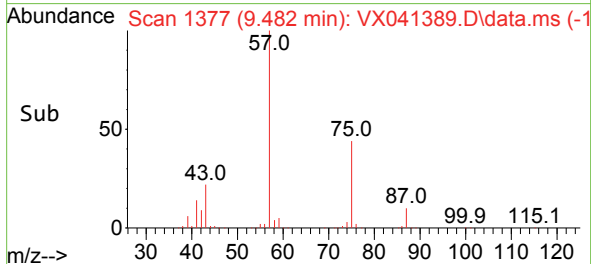
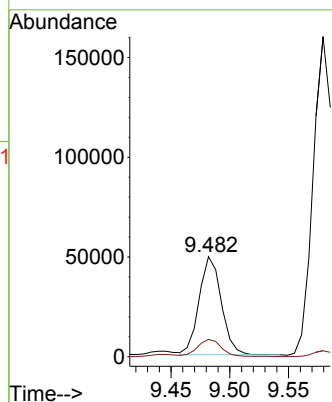
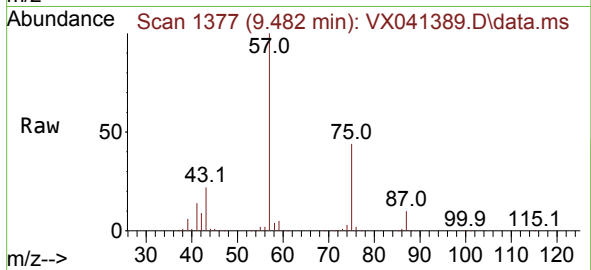




#59
2-Hexanone
Concen: 31.902 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

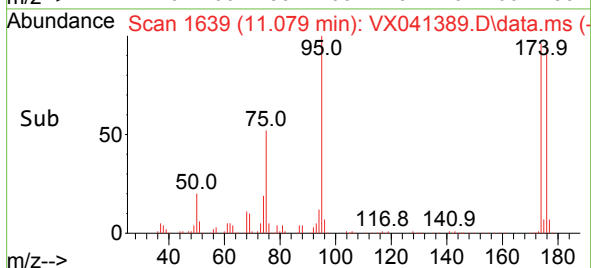
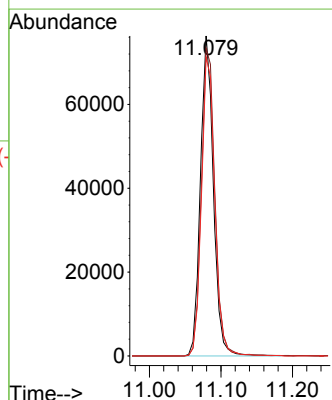
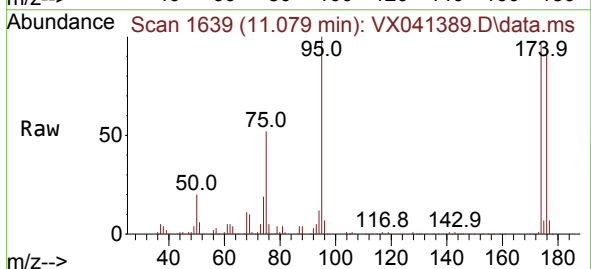
Instrument :
MSVOA_X
ClientSampleId :

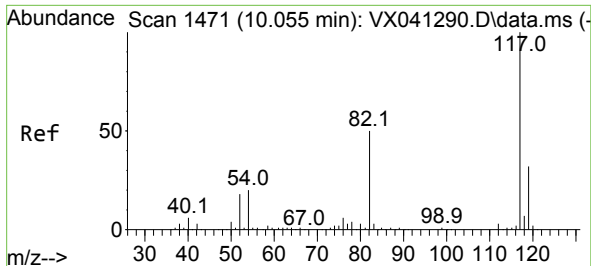
Tgt Ion: 43 Resp: 64551
Ion Ratio Lower Upper
43 100
58 19.3 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 41.674 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

Tgt Ion: 95 Resp: 95986
Ion Ratio Lower Upper
95 100
174 100.7 0.0 135.6
176 96.2 0.0 131.0

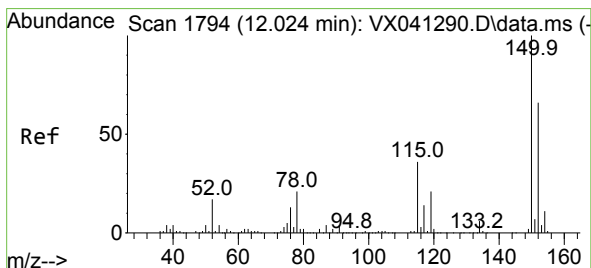
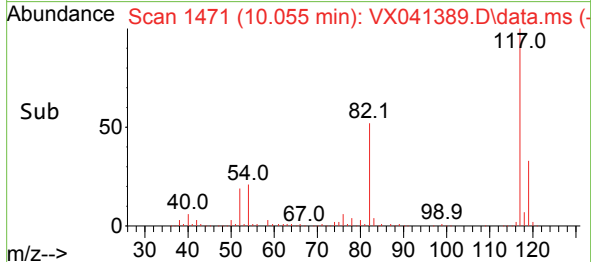
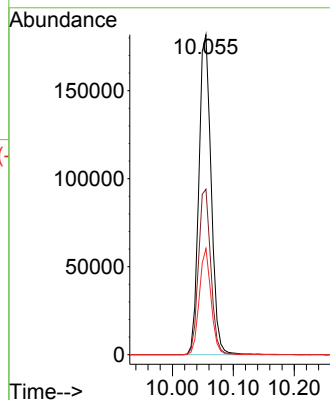
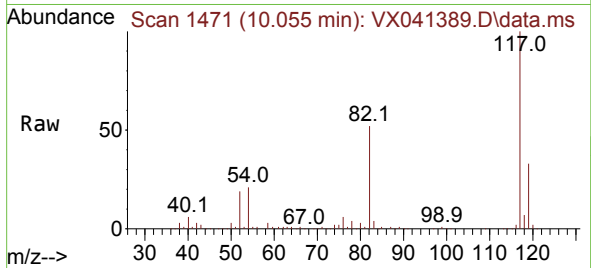




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

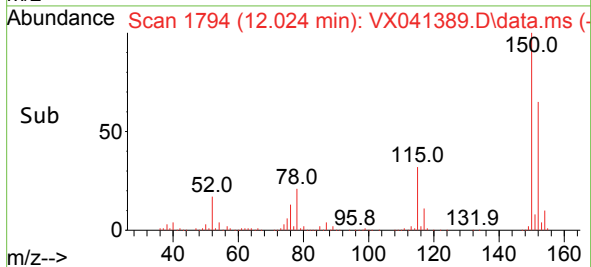
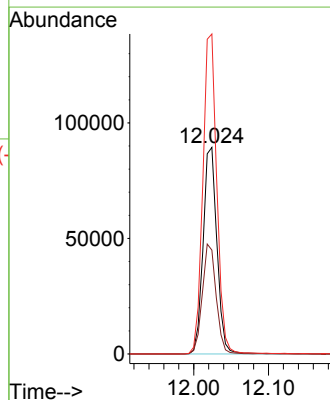
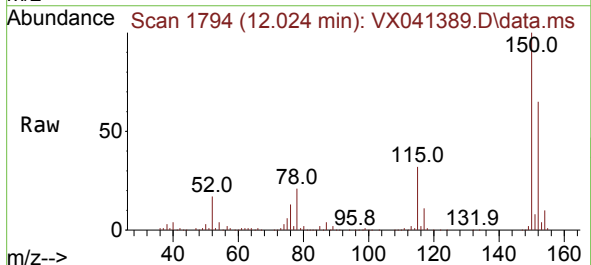
Instrument :
MSVOA_X
ClientSampleId :

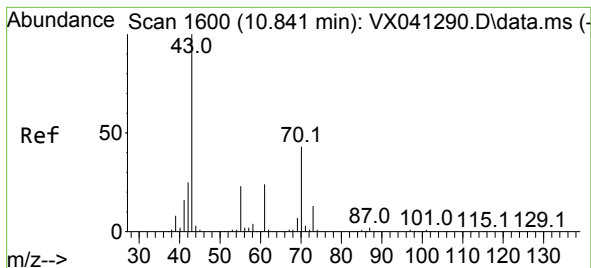
Tgt Ion:117 Resp: 255210
Ion Ratio Lower Upper
117 100
82 51.7 46.2 69.4
119 33.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX041389.D
Acq: 06 May 2024 19:07

Tgt Ion:152 Resp: 114936
Ion Ratio Lower Upper
152 100
115 53.2 43.3 129.9
150 156.5 0.0 345.0





#74

N-amy1 acetate

Concen: 0.423 ug/l

RT: 10.780 min Scan# 1

Delta R.T. -0.061 min

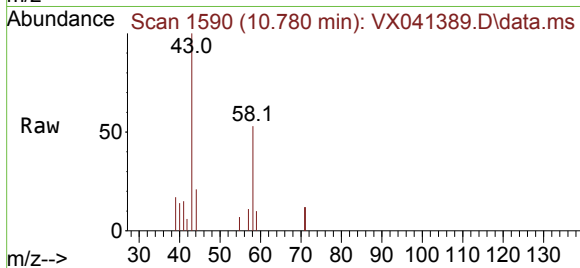
Lab File: VX041389.D

Acq: 06 May 2024 19:07

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 1296

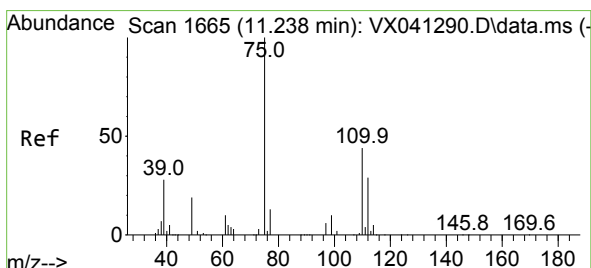
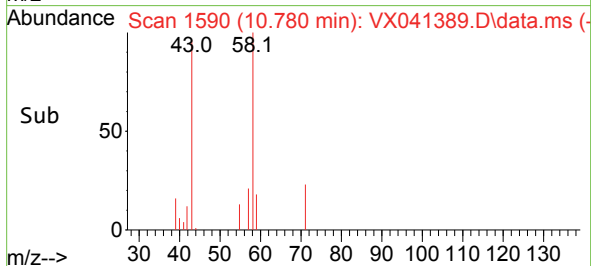
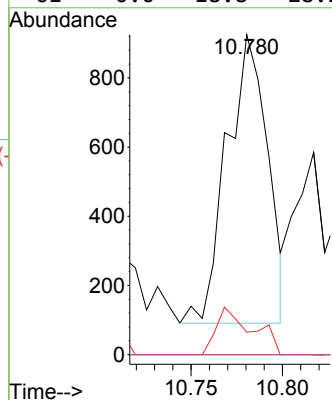
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 14.6 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.856 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041389.D

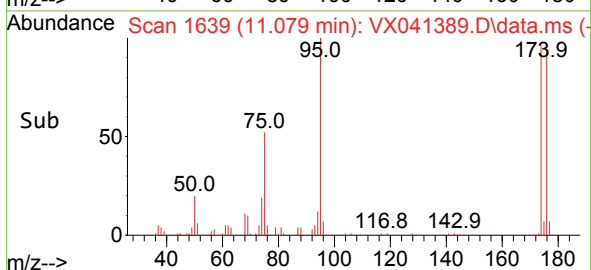
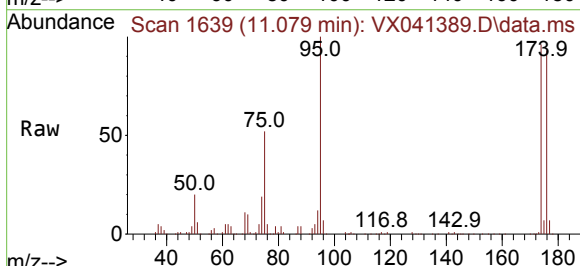
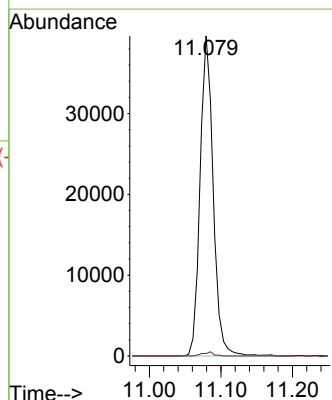
Acq: 06 May 2024 19:07

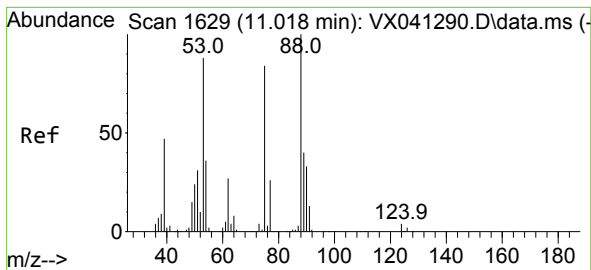
Tgt Ion: 75 Resp: 50303

Ion Ratio Lower Upper

75 100

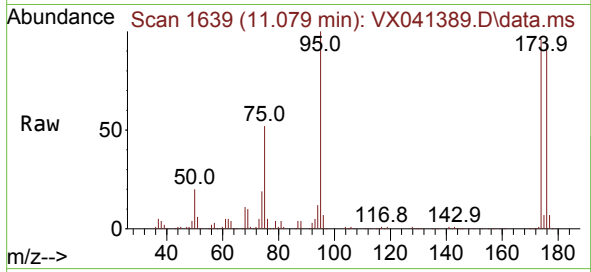
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.151 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041389.D
 Acq: 06 May 2024 19:07

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 50303
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

