

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020724\
 Data File : VX040161.D
 Acq On : 07 Feb 2024 18:47
 Operator : JC/MD
 Sample : P1378-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4

Quant Time: Feb 08 00:36:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

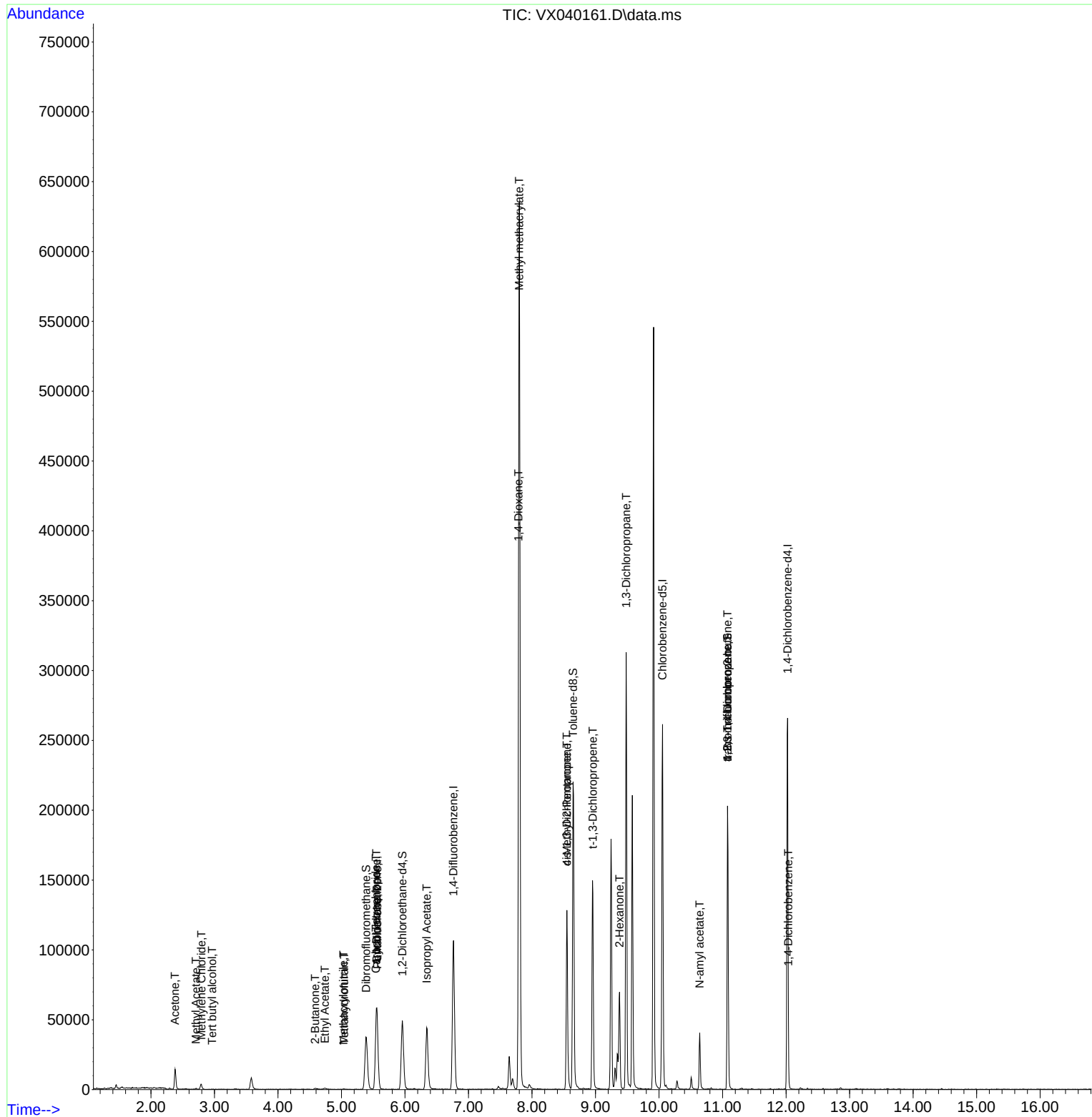
Internal Standards						
1) Pentafluorobenzene	5.562	168	47147	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	96925	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	99212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	46054	60.695	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	121.400%#
35) Dibromofluoromethane	5.385	113	31983	48.474	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.940%
50) Toluene-d8	8.647	98	126577	51.298	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.600%
62) 4-Bromofluorobenzene	11.079	95	49896	52.516	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.040%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.965	59	110	0.799	ug/l #	78
16) Acetone	2.380	43	14696	41.337	ug/l	99
18) Methyl Acetate	2.709	43	772	0.917	ug/l #	58
20) Methylene Chloride	2.794	84	1511	2.392	ug/l #	84
25) 2-Butanone	4.587	43	702	1.420	ug/l #	78
29) Tetrahydrofuran	5.044	42	170	0.541	ug/l #	34
31) Cyclohexane	5.556	56	1840	1.936	ug/l #	55
36) 1,1-Dichloropropene	5.550	75	5456	5.718	ug/l #	48
37) Ethyl Acetate	4.739	43	2243	2.152	ug/l #	75
38) Carbon Tetrachloride	5.544	117	5647	6.185	ug/l #	14
41) Methacrylonitrile	5.032	41	138	0.261	ug/l #	17
43) Isopropyl Acetate	6.342	43	61137	37.201	ug/l	96
48) Methyl methacrylate	7.799	41	57310	70.791	ug/l #	50
49) 1,4-Dioxane	7.787	88	22	1.251	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	45596	40.644	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	266	0.261	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	16943	15.606	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	2353	1.992	ug/l #	42
59) 2-Hexanone	9.378	43	55271	61.792	ug/l #	26
74) N-amyl acetate	10.640	43	10799	7.312	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	30596	31.014	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	30596	88.386	ug/l #	5
88) 1,4-Dichlorobenzene	12.036	146	355	0.224	ug/l #	1

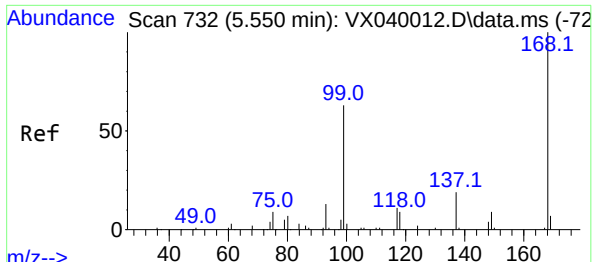
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:44:39 2024
Response via : Initial Calibration

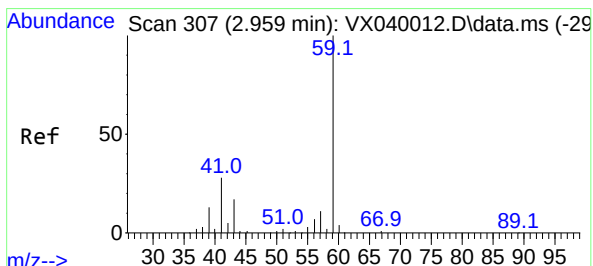
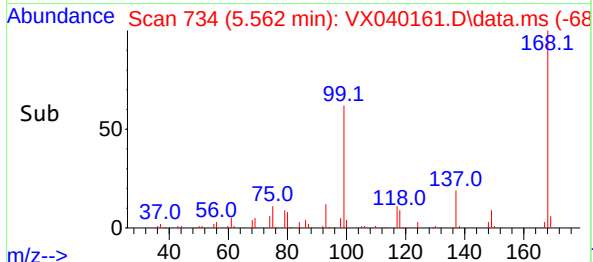
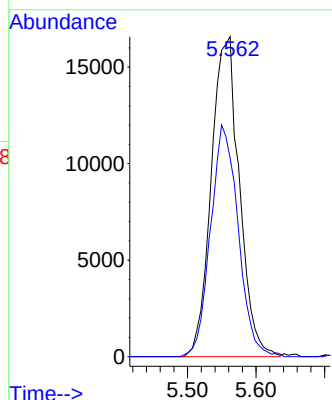
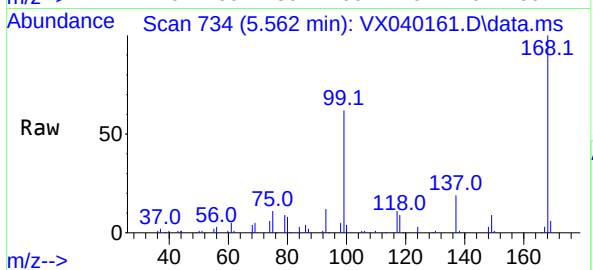




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

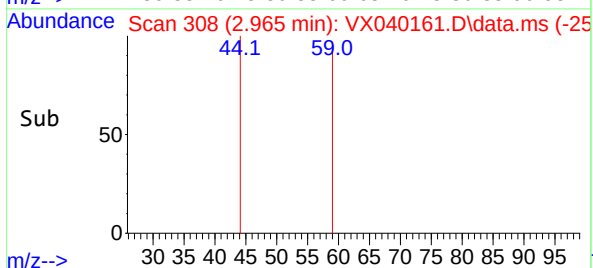
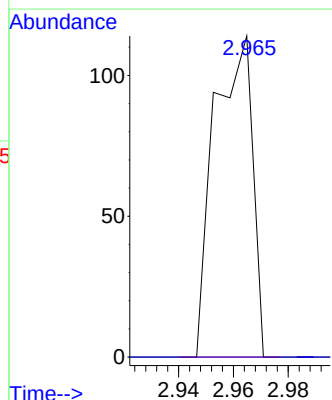
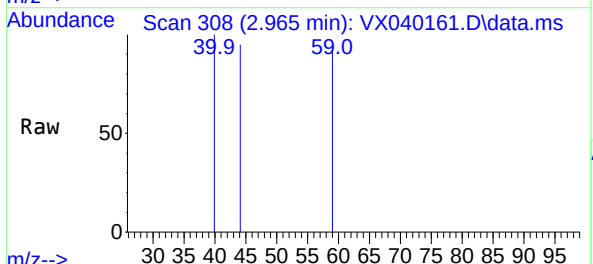
Instrument :
MSVOA_X
ClientSampleId :
TP-4

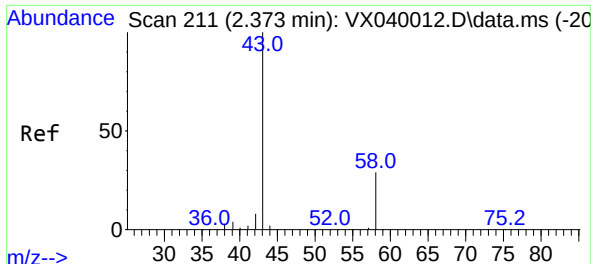
Tgt Ion:168 Resp: 47147
Ion Ratio Lower Upper
168 100
99 62.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.799 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

Tgt Ion: 59 Resp: 110
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

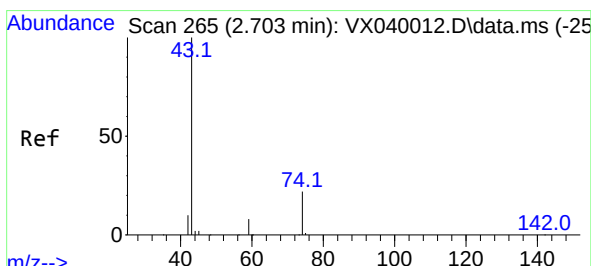
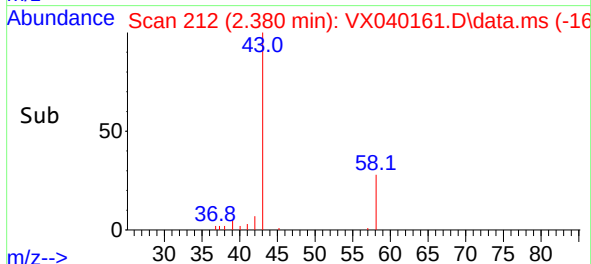
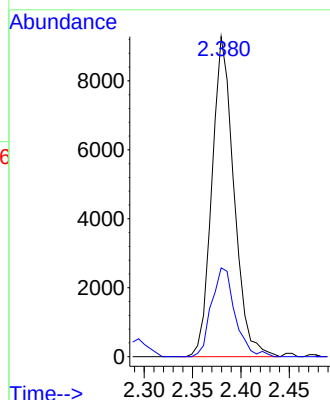
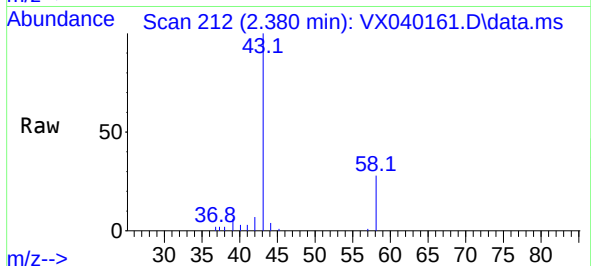




#16
Acetone
Concen: 41.337 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

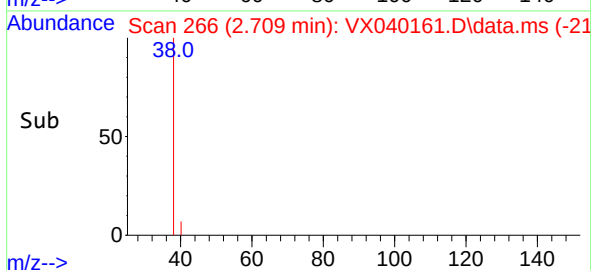
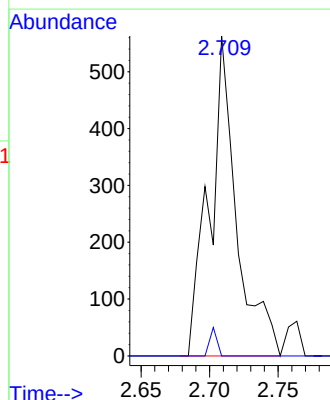
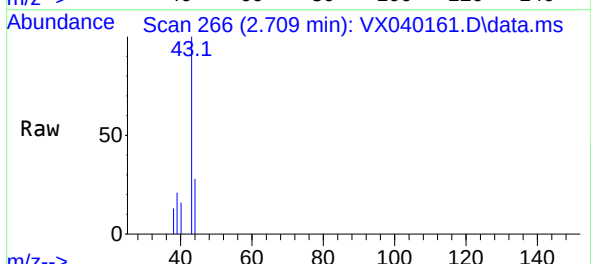
Instrument :
MSVOA_X
ClientSampleId :
TP-4

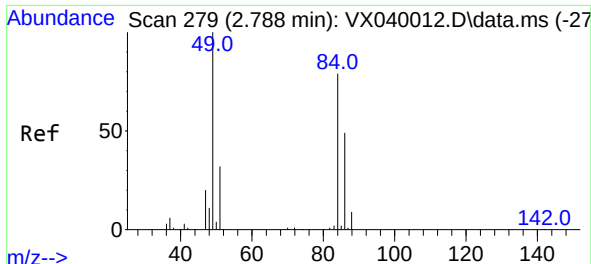
Tgt Ion: 43 Resp: 14696
Ion Ratio Lower Upper
43 100
58 27.8 21.9 32.9



#18
Methyl Acetate
Concen: 0.917 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
74 2.3 17.8 26.8#



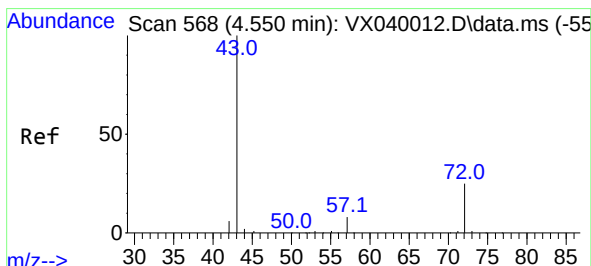
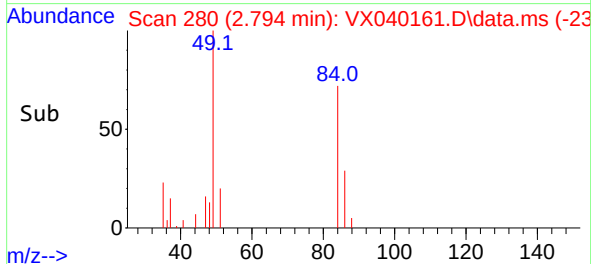
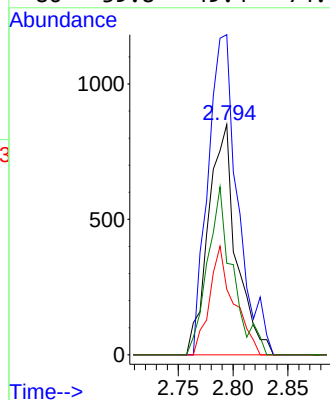
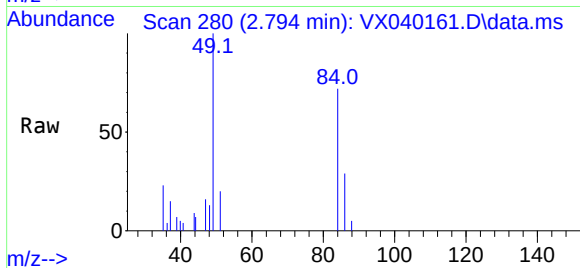


#20
Methylene Chloride
Concen: 2.392 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

Instrument :
MSVOA_X
ClientSampleId :
TP-4

Tgt Ion: 84 Resp: 1511

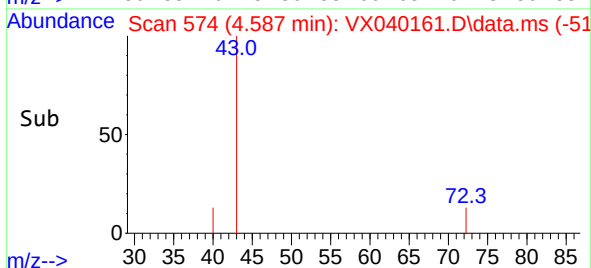
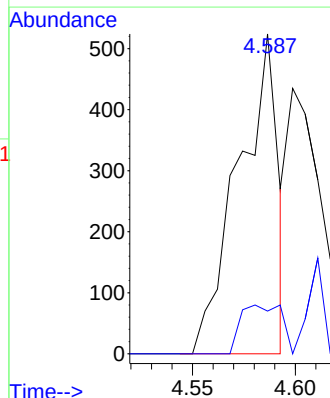
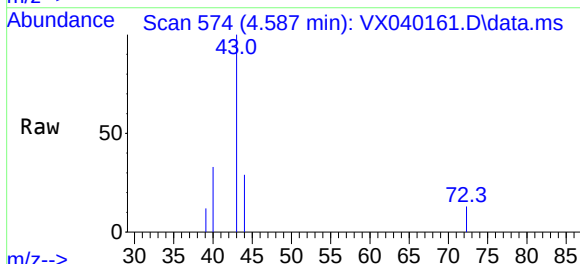
Ion	Ratio	Lower	Upper
84	100		
49	139.1	103.6	155.4
51	28.5	33.8	50.6#
86	39.8	49.4	74.0#

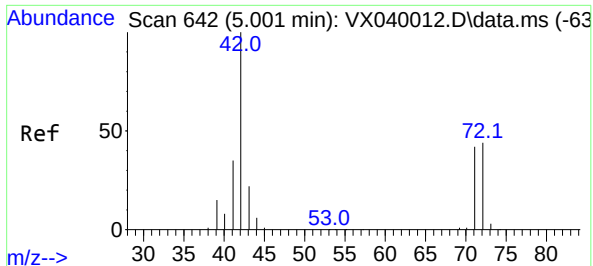


#25
2-Butanone
Concen: 1.420 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.037 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

Tgt Ion: 43 Resp: 702

Ion	Ratio	Lower	Upper
43	100		
72	13.4	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.541 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.043 min

Lab File: VX040161.D

Acq: 07 Feb 2024 18:47

Instrument :

MSVOA_X

ClientSampleId :

TP-4

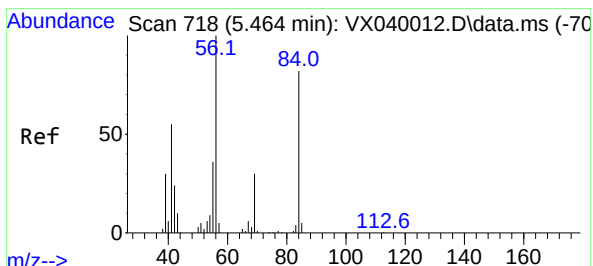
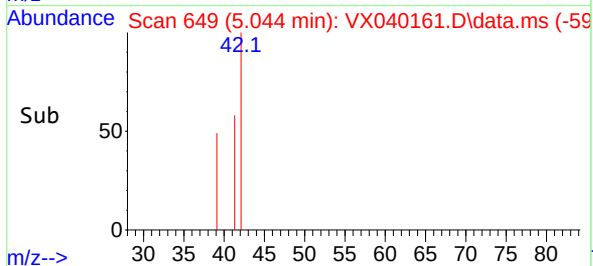
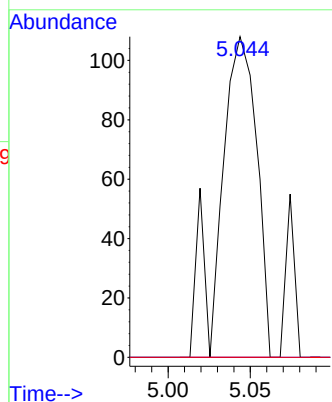
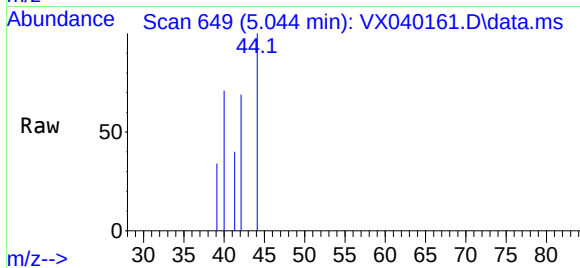
Tgt Ion: 42 Resp: 170

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.936 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX040161.D

Acq: 07 Feb 2024 18:47

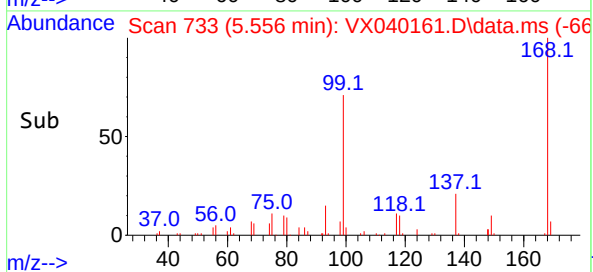
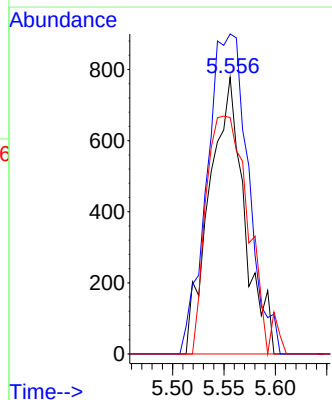
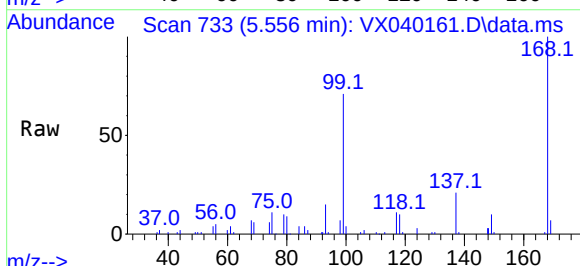
Tgt Ion: 56 Resp: 1840

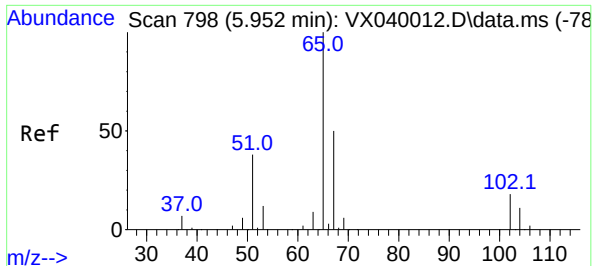
Ion Ratio Lower Upper

56 100

69 115.7 23.4 35.2#

84 85.5 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 60.695 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040161.D

Acq: 07 Feb 2024 18:47

Instrument :

MSVOA_X

ClientSampleId :

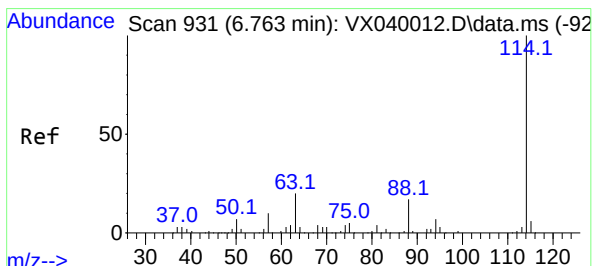
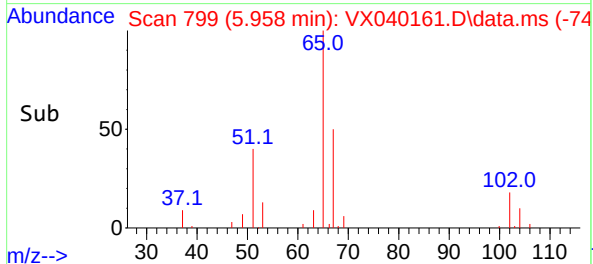
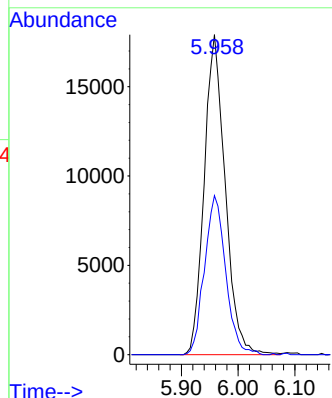
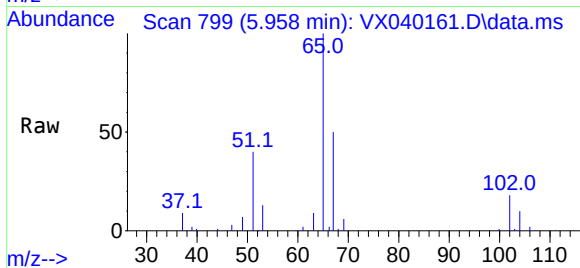
TP-4

Tgt Ion: 65 Resp: 46054

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX040161.D

Acq: 07 Feb 2024 18:47

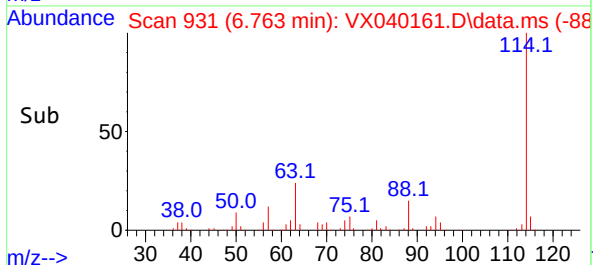
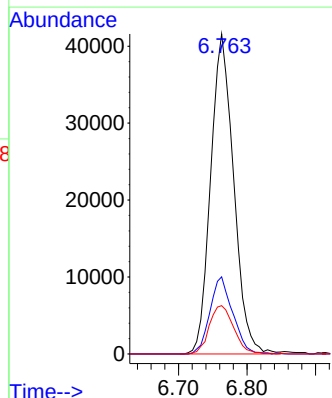
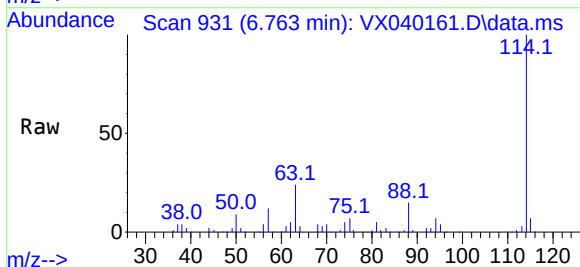
Tgt Ion: 114 Resp: 96925

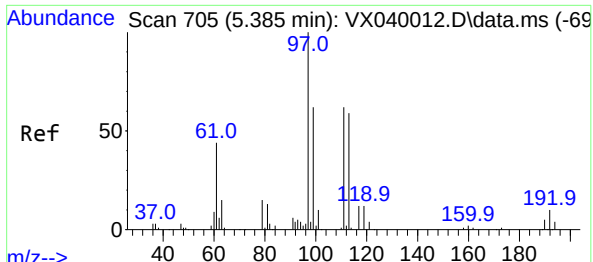
Ion Ratio Lower Upper

114 100

63 24.1 0.0 45.0

88 15.1 0.0 36.6

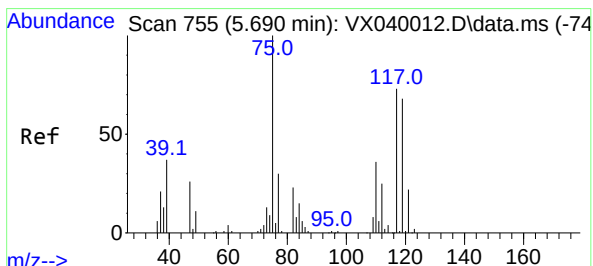
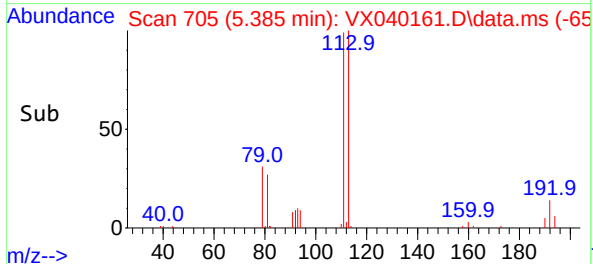
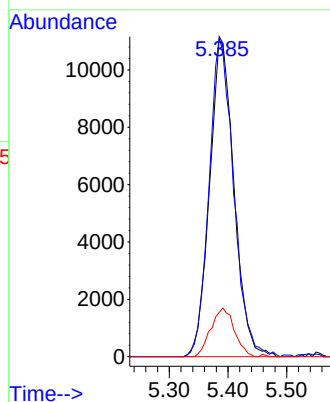
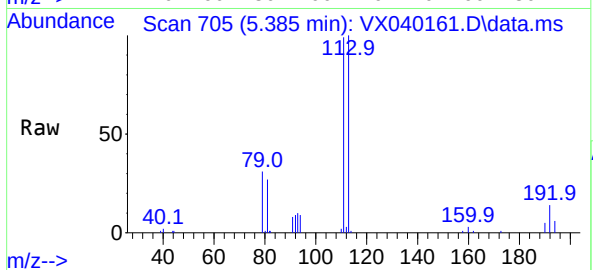




#35
Dibromofluoromethane
Concen: 48.474 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

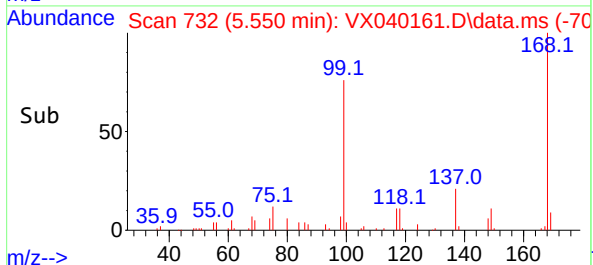
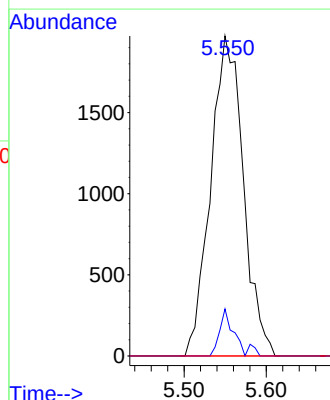
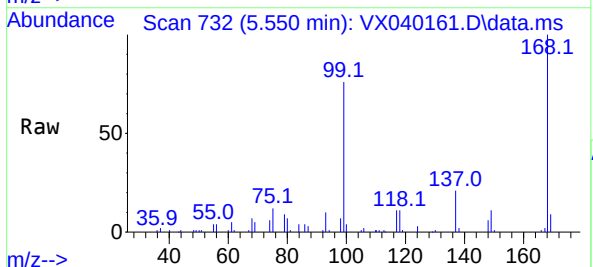
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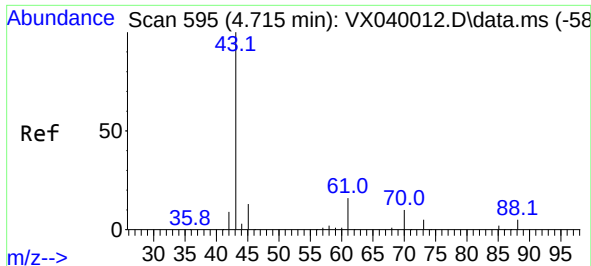
Tgt Ion:	113	Resp:	31983
Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.9	124.3
192	14.7	13.3	19.9



#36
1,1-Dichloropropene
Concen: 5.718 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

Tgt Ion:	75	Resp:	5456
Ion	Ratio	Lower	Upper
75	100		
110	6.0	17.0	50.9#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 2.152 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.024 min

Lab File: VX040161.D

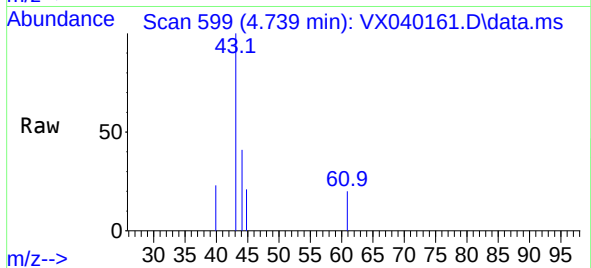
Acq: 07 Feb 2024 18:47

Instrument :

MSVOA_X

ClientSampleId :

TP-4



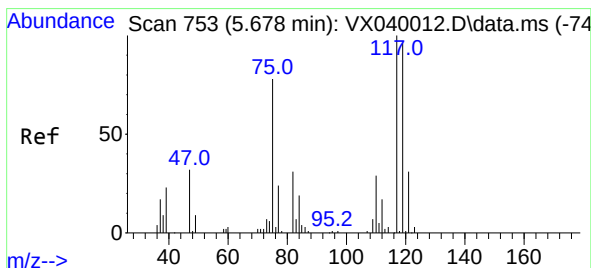
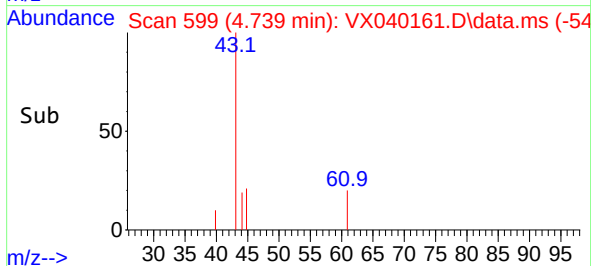
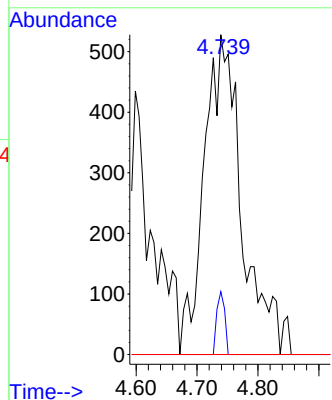
Tgt Ion: 43 Resp: 2243

Ion Ratio Lower Upper

43 100

61 4.1 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.185 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX040161.D

Acq: 07 Feb 2024 18:47

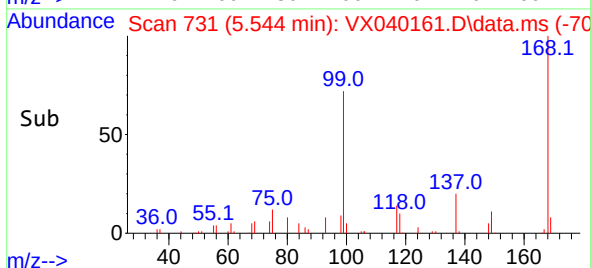
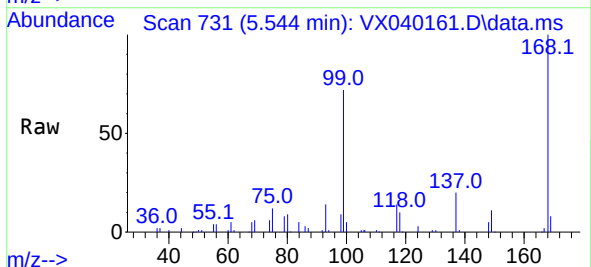
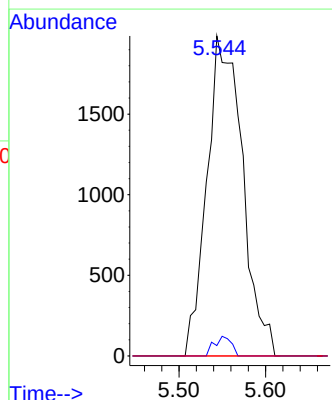
Tgt Ion: 117 Resp: 5647

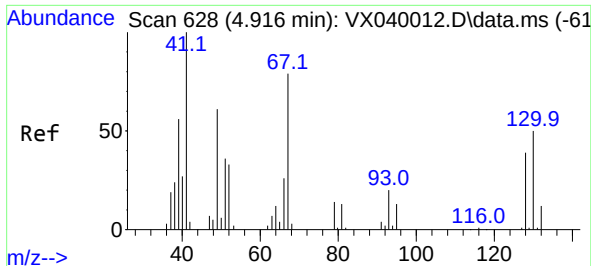
Ion Ratio Lower Upper

117 100

119 3.2 78.2 117.2#

121 0.0 24.4 36.6#



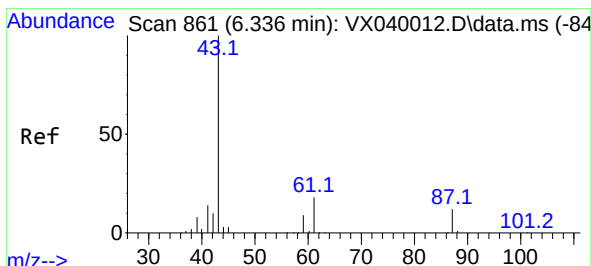
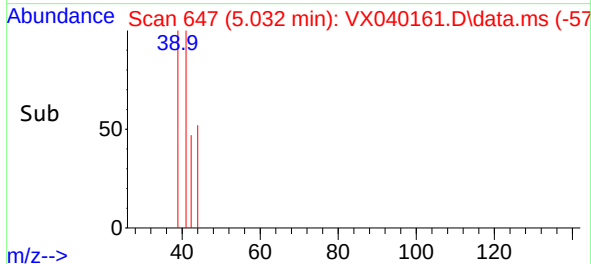
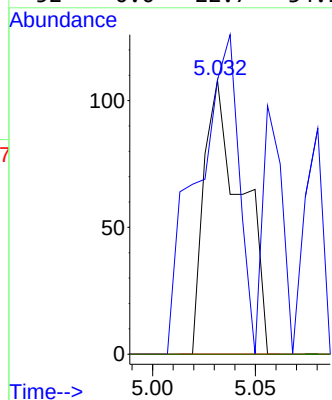
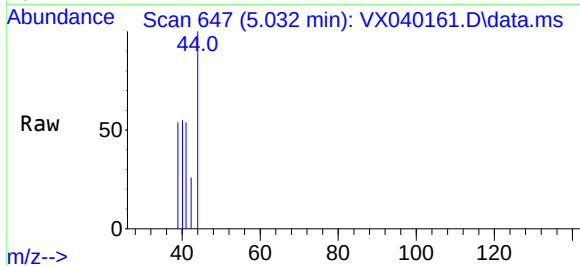


#41
Methacrylonitrile
Concen: 0.261 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

Instrument :
MSVOA_X
ClientSampleId :
TP-4

Tgt Ion: 41 Resp: 138

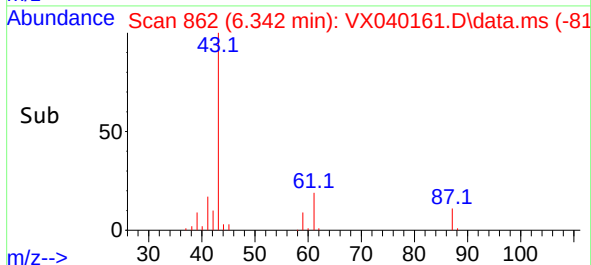
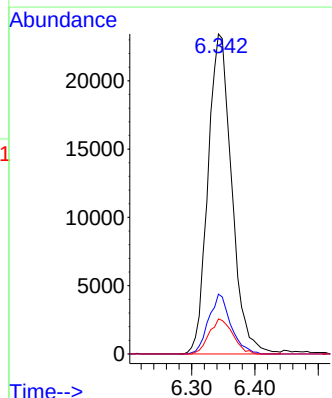
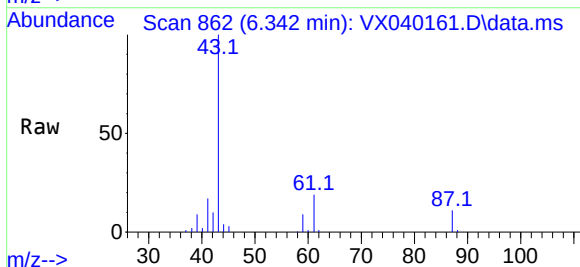
Ion	Ratio	Lower	Upper
41	100		
39	129.0	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#

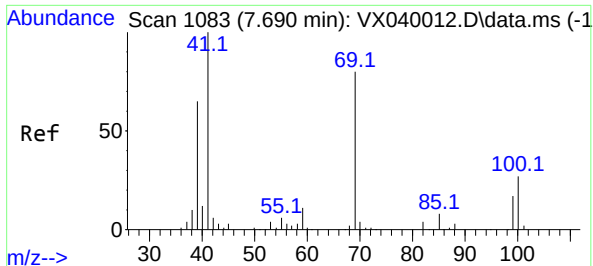


#43
Isopropyl Acetate
Concen: 37.201 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

Tgt Ion: 43 Resp: 61137

Ion	Ratio	Lower	Upper
43	100		
61	17.4	15.2	22.8
87	10.8	9.8	14.6

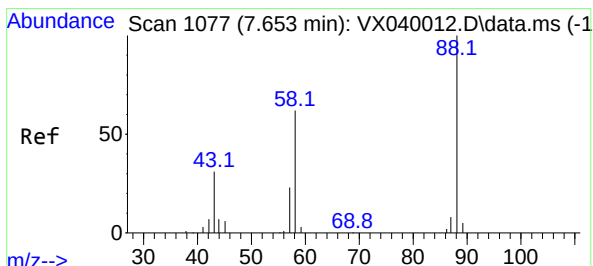
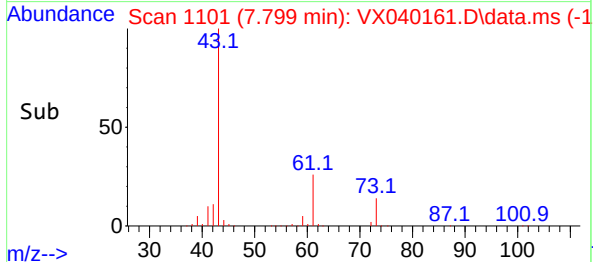
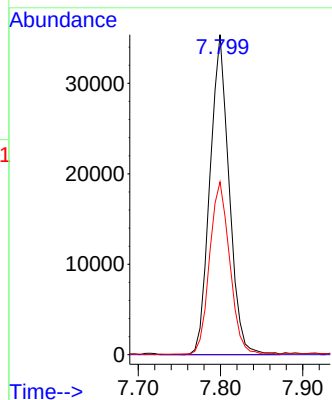
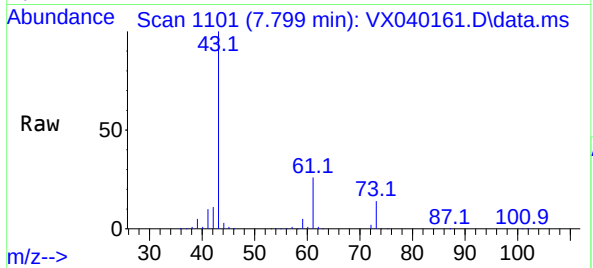




#48
Methyl methacrylate
Concen: 70.791 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

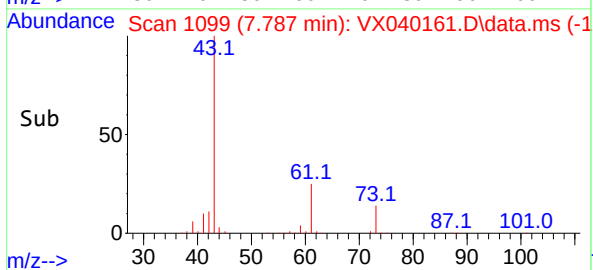
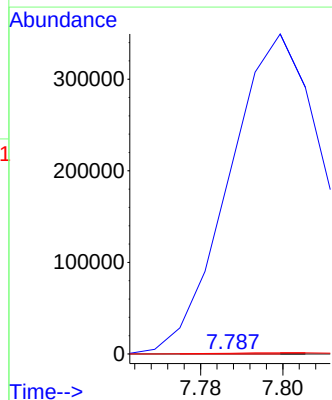
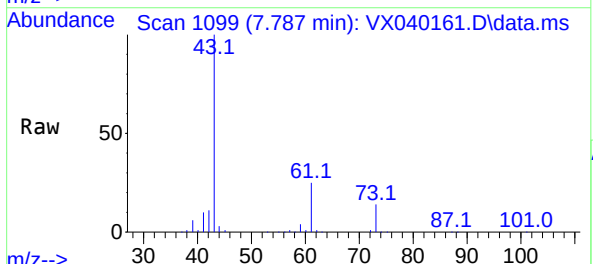
Instrument :
MSVOA_X
ClientSampleId :
TP-4

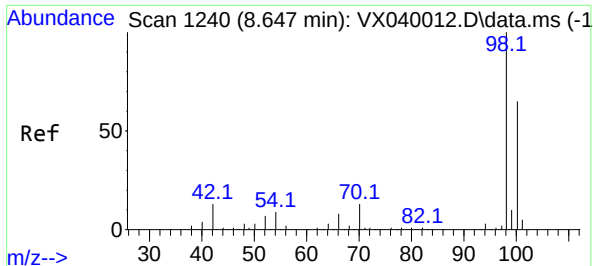
Tgt Ion: 41 Resp: 57310
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 57.2 47.7 71.5



#49
1,4-Dioxane
Concen: 1.251 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.134 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 2665140.9 0.0 0.0#
58 10736.4 60.1 90.1#

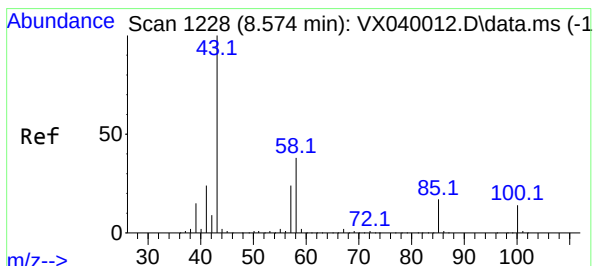
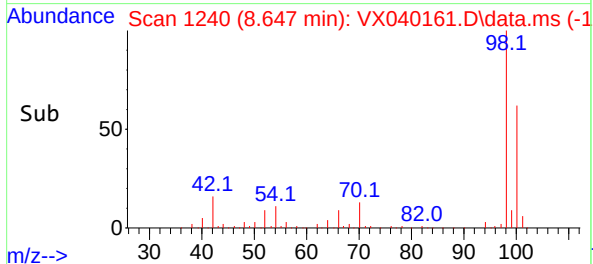
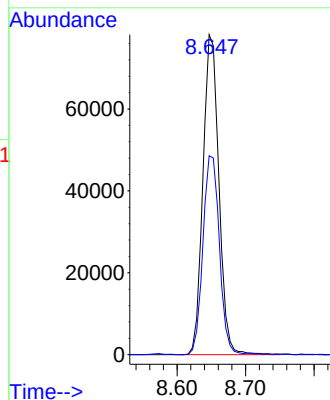
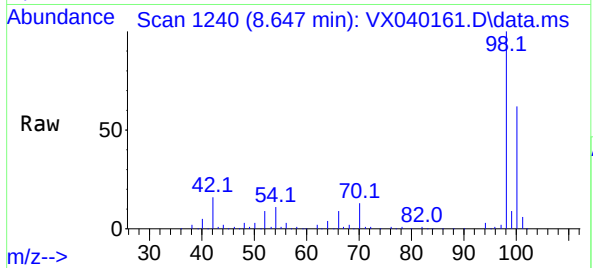




#50
Toluene-d8
Concen: 51.298 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

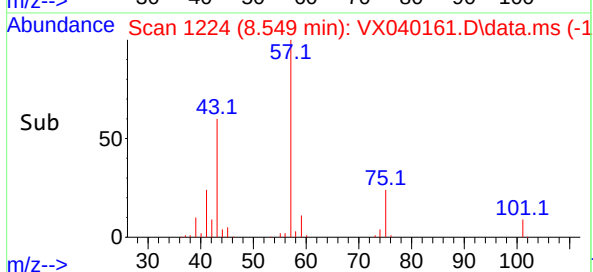
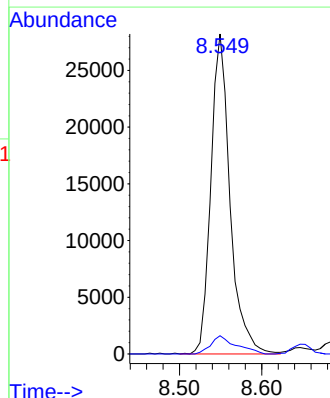
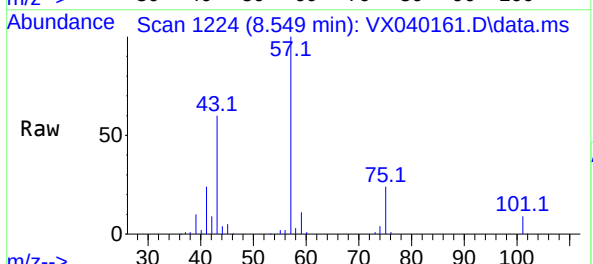
Instrument :
MSVOA_X
ClientSampleId :
TP-4

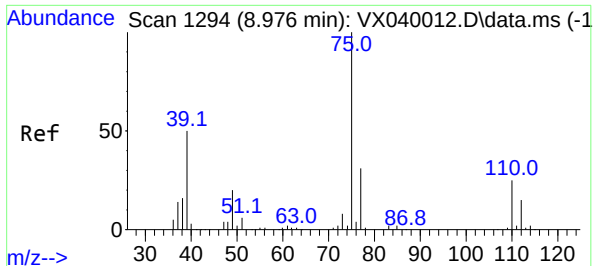
Tgt Ion: 98 Resp: 126577
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 40.644 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

Tgt Ion: 43 Resp: 45596
Ion Ratio Lower Upper
43 100
58 7.5 30.4 45.6





#53

t-1,3-Dichloropropene

Concen: 0.261 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX040161.D

Acq: 07 Feb 2024 18:47

Instrument :

MSVOA_X

ClientSampleId :

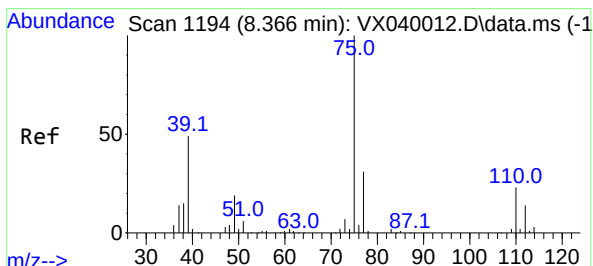
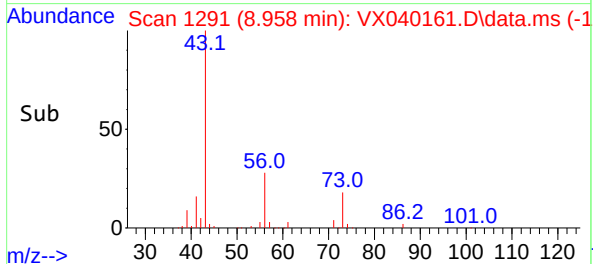
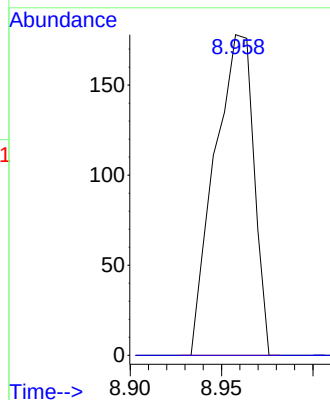
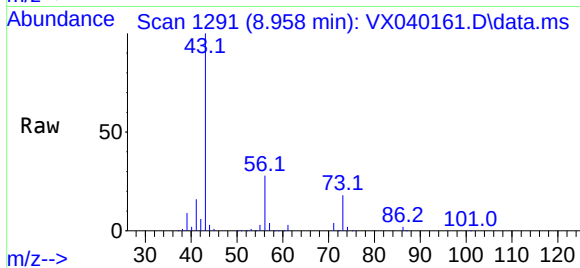
TP-4

Tgt Ion: 75 Resp: 266

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 15.606 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX040161.D

Acq: 07 Feb 2024 18:47

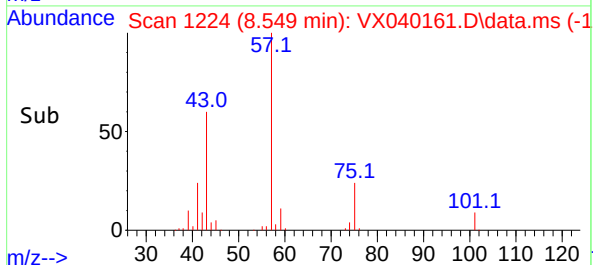
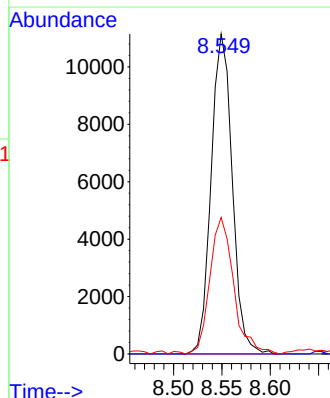
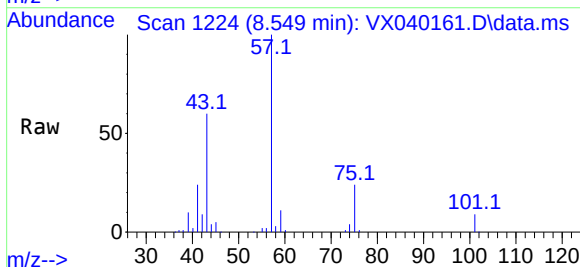
Tgt Ion: 75 Resp: 16943

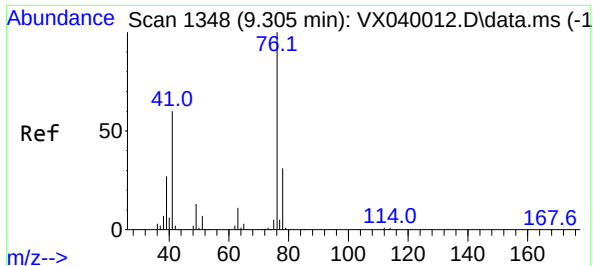
Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 42.6 46.7 70.1#

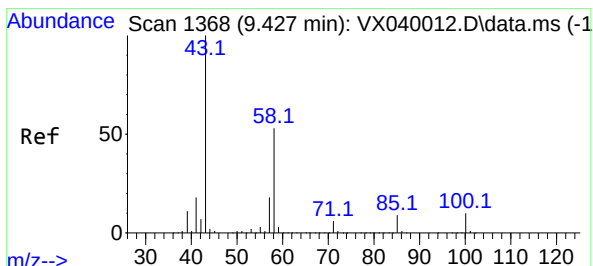
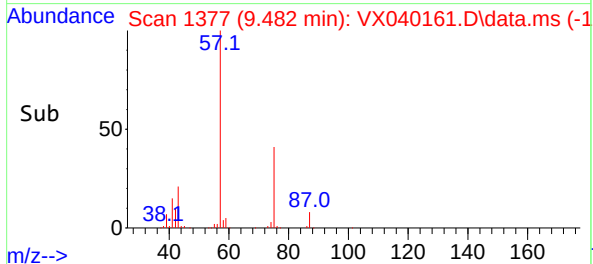
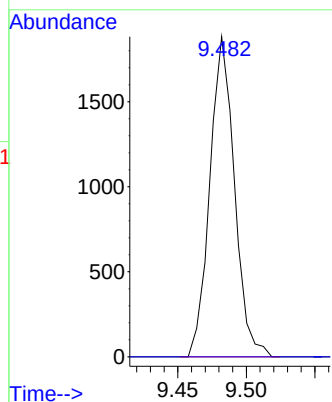
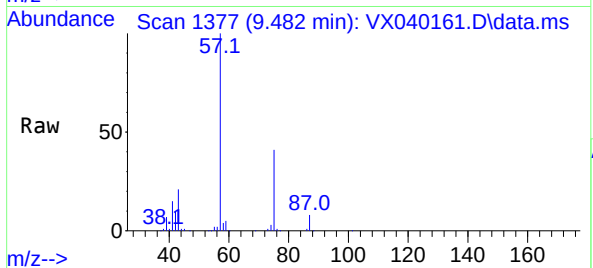




#57
1,3-Dichloropropane
Concen: 1.992 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

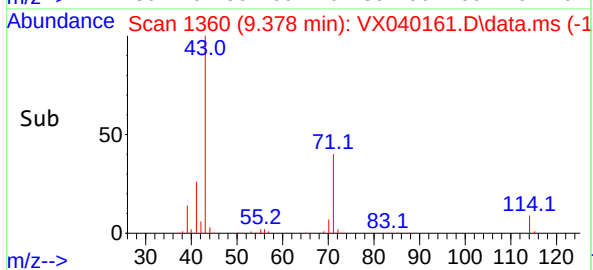
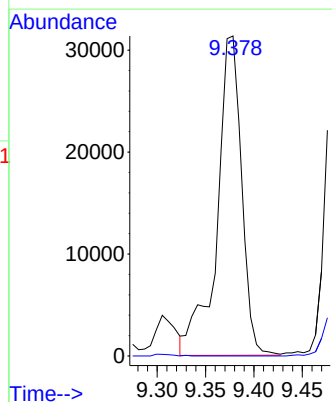
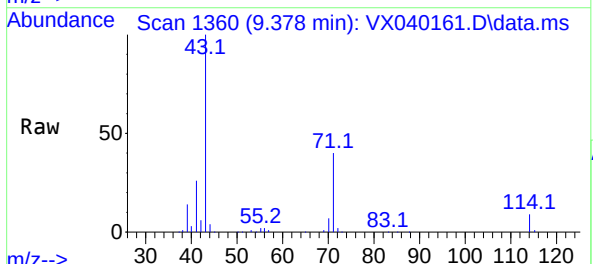
Instrument :
MSVOA_X
ClientSampleId :
TP-4

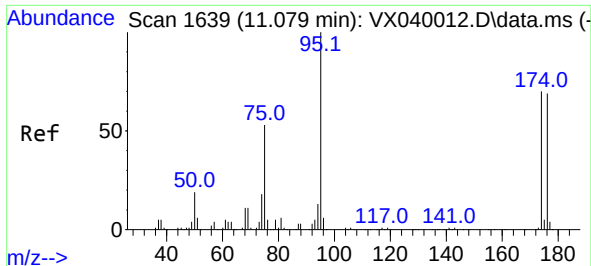
Tgt Ion: 76 Resp: 2353
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 61.792 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

Tgt Ion: 43 Resp: 55271
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#

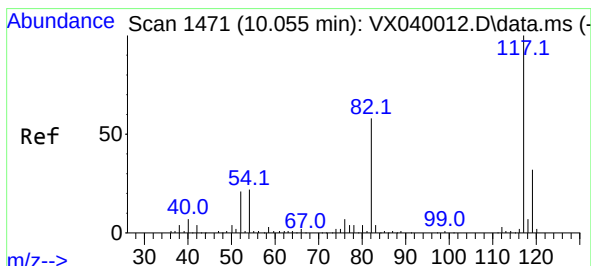
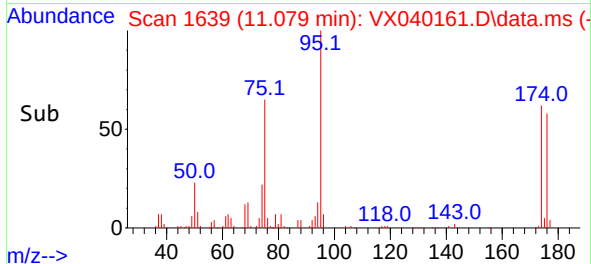
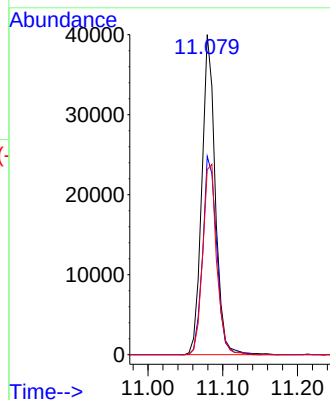
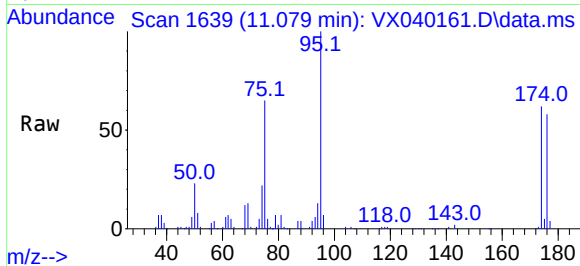




#62
4-Bromofluorobenzene
Concen: 52.516 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

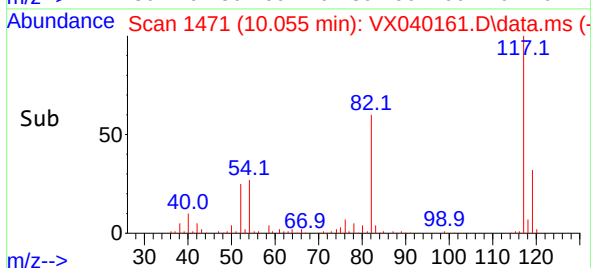
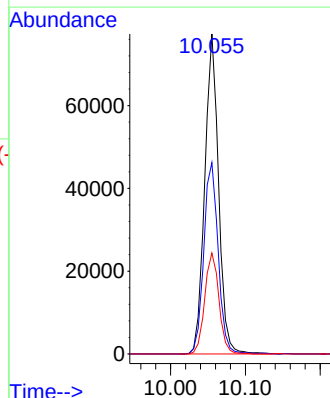
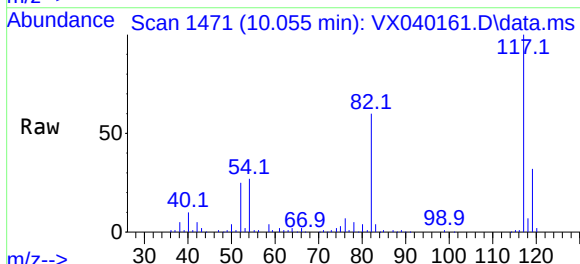
Instrument :
MSVOA_X
ClientSampleId :
TP-4

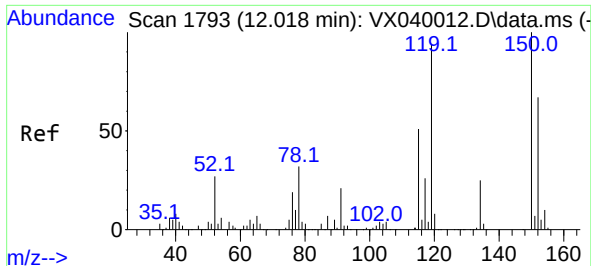
Tgt Ion: 95 Resp: 49896
Ion Ratio Lower Upper
95 100
174 64.8 0.0 135.6
176 61.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

Tgt Ion: 117 Resp: 99212
Ion Ratio Lower Upper
117 100
82 59.8 46.2 69.4
119 31.5 25.5 38.3

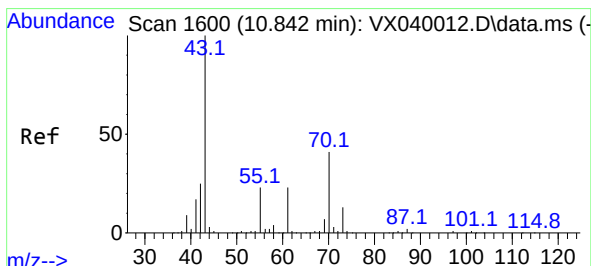
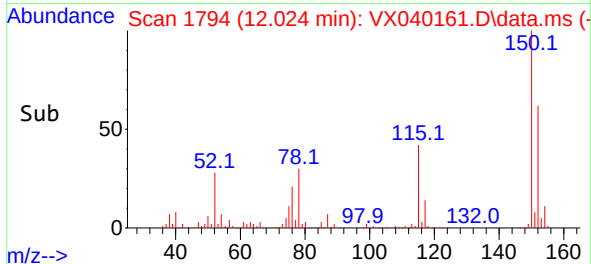
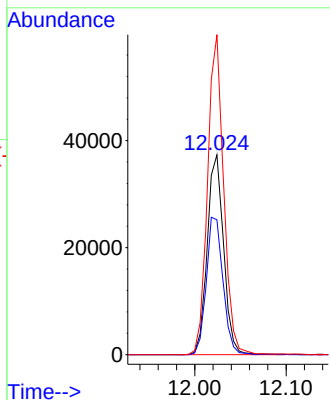
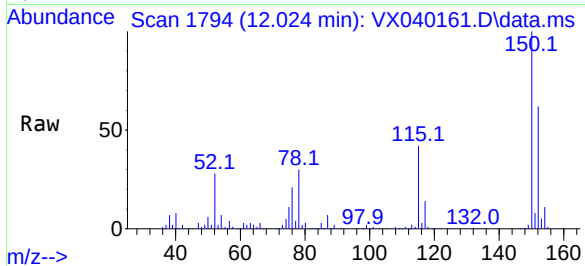




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

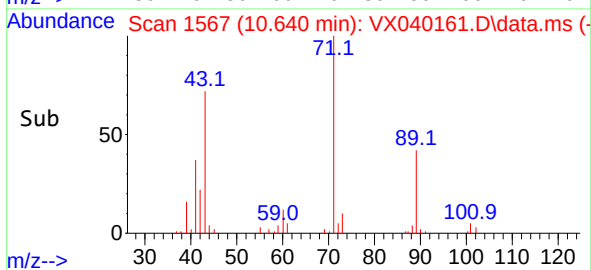
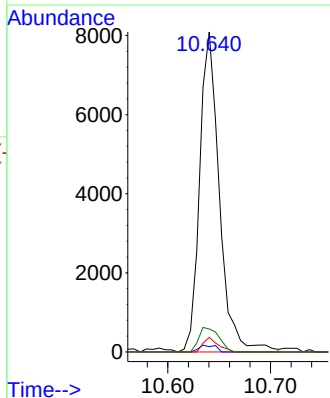
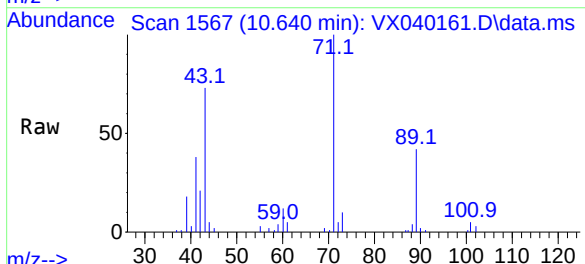
Instrument :
MSVOA_X
ClientSampleId :
TP-4

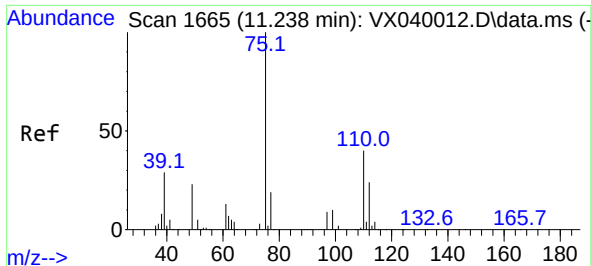
Tgt Ion:152 Resp: 46326
Ion Ratio Lower Upper
152 100
115 70.0 43.3 129.9
150 157.7 0.0 345.0



#74
N-ethyl acetate
Concen: 7.312 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.202 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

Tgt Ion: 43 Resp: 10799
Ion Ratio Lower Upper
43 100
70 1.8 32.9 49.3#
55 3.4 19.3 28.9#
61 7.8 18.8 28.2#

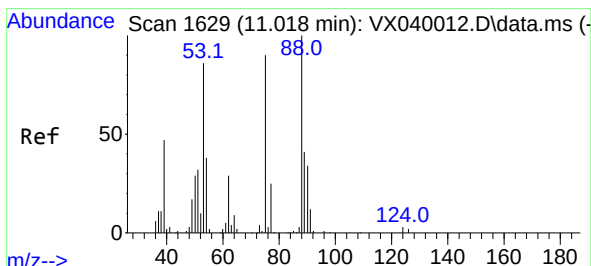
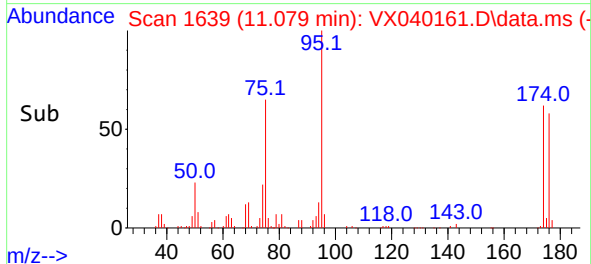
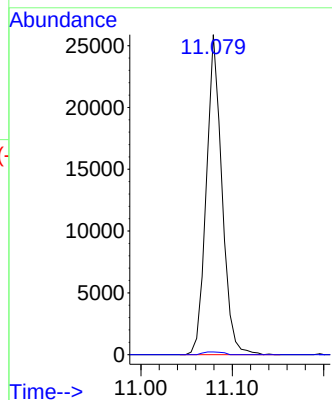
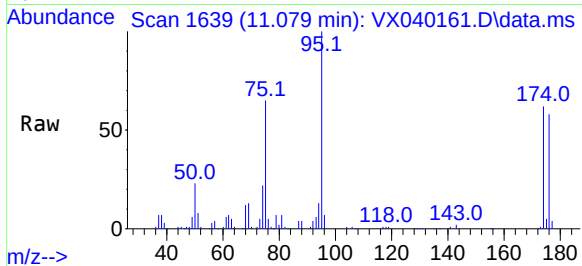




#76
1,2,3-Trichloropropane
Concen: 31.014 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

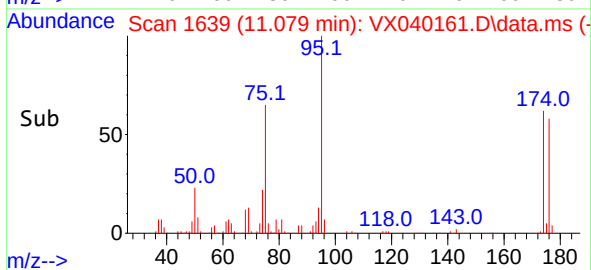
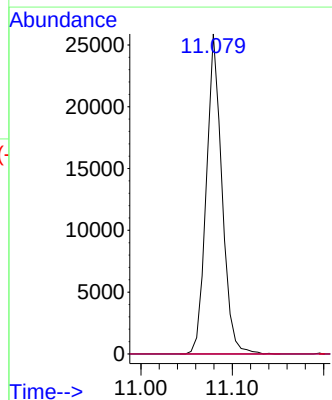
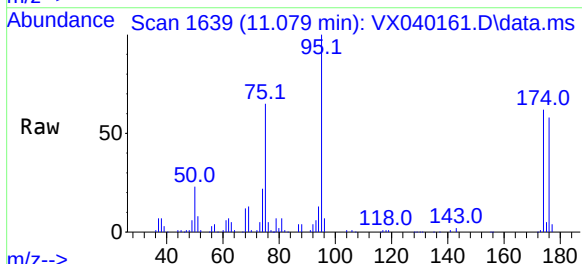
Instrument :
MSVOA_X
ClientSampleId :
TP-4

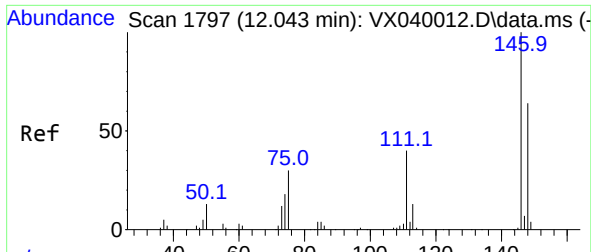
Tgt Ion: 75 Resp: 30596
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.386 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

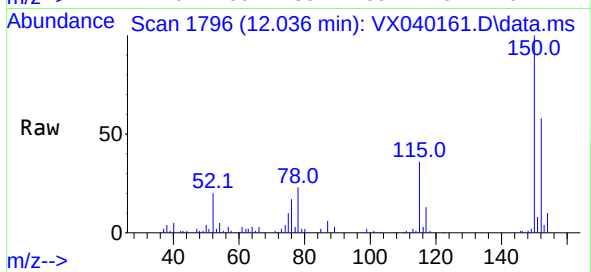
Tgt Ion: 75 Resp: 30596
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#88
1,4-Dichlorobenzene
Concen: 0.224 ug/l
RT: 12.036 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040161.D
Acq: 07 Feb 2024 18:47

Instrument :
MSVOA_X
ClientSampleId :
TP-4



Tgt Ion:	146	Resp:	355
Ion	Ratio	Lower	Upper
146	100		
111	262.5	21.3	63.7#
148	94.1	31.8	95.4

