

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022724\
 Data File : VX040483.D
 Acq On : 27 Feb 2024 12:44
 Operator : JC/MD
 Sample : P1578-07RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT149S1-20240222

Quant Time: Feb 28 02:01:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

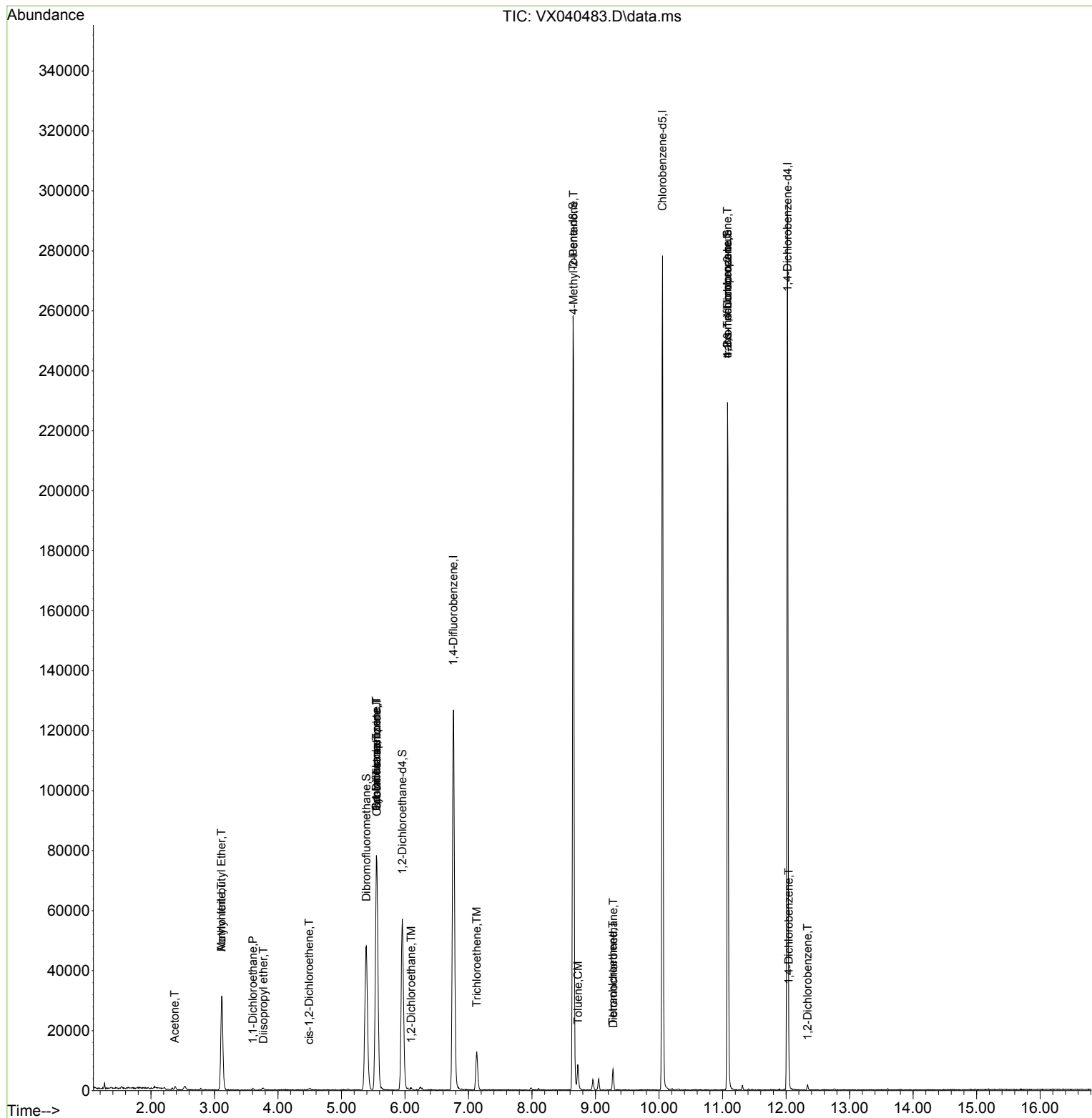
Internal Standards						
1) Pentafluorobenzene	5.550	168	67523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	120274	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55535	49.174	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.340%
35) Dibromofluoromethane	5.391	113	41731	49.895	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.780%
50) Toluene-d8	8.647	98	149142	49.125	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.260%
62) 4-Bromofluorobenzene	11.079	95	58394	50.458	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.920%
Target Compounds						
					Qvalue	
15) Acrylonitrile	3.111	53	388	0.815	ug/l #	11
16) Acetone	2.373	43	1091	2.962	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	33381	12.721	ug/l	99
22) Diisopropyl ether	3.769	45	748	0.277	ug/l #	63
24) 1,1-Dichloroethane	3.605	63	657	0.417	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	411	0.428	ug/l #	1
31) Cyclohexane	5.550	56	1928	1.507	ug/l #	55
36) 1,1-Dichloropropene	5.550	75	6438	4.996	ug/l #	50
38) Carbon Tetrachloride	5.556	117	7680	6.169	ug/l #	14
42) 1,2-Dichloroethane	6.098	62	832	0.576	ug/l #	77
44) Trichloroethene	7.129	130	4661	4.968	ug/l	95
51) 4-Methyl-2-Pentanone	8.653	43	807	0.552	ug/l #	1
52) Toluene	8.726	92	2991	1.397	ug/l	96
60) Dibromochloromethane	9.281	129	1078	1.117	ug/l #	11
64) Tetrachloroethene	9.275	164	1034	1.253	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	33899	26.520	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	33899	77.069	ug/l #	5
88) 1,4-Dichlorobenzene	12.042	146	775	0.378	ug/l #	59
91) 1,2-Dichlorobenzene	12.341	146	623	0.324	ug/l	88

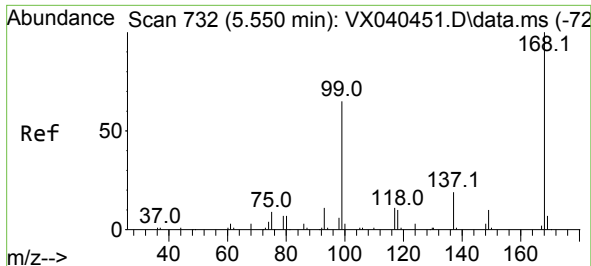
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

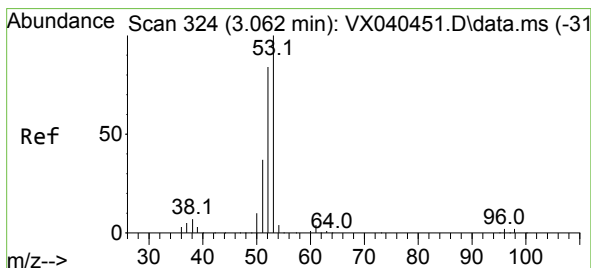
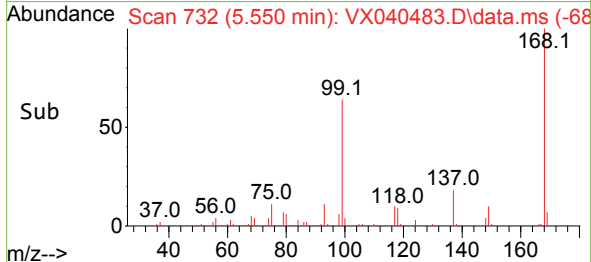
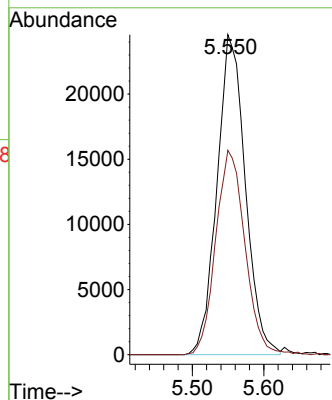
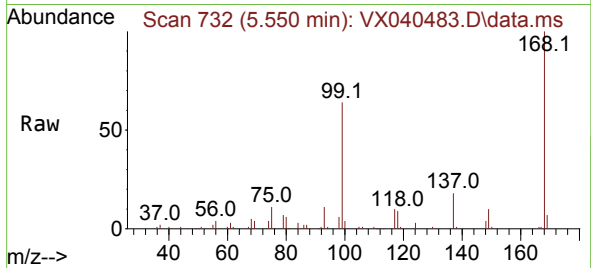




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

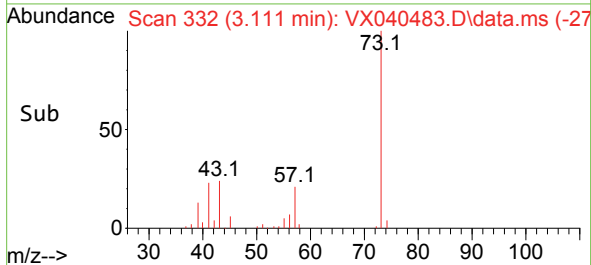
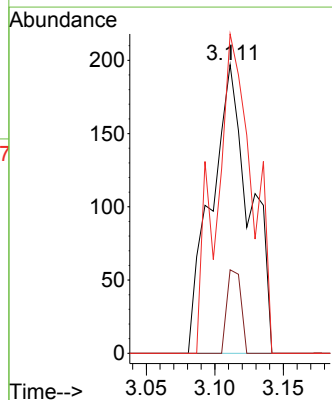
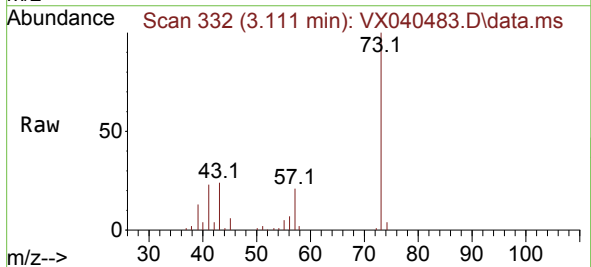
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

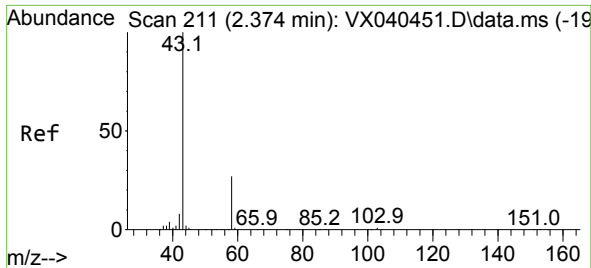
Tgt Ion:168 Resp: 67523
Ion Ratio Lower Upper
168 100
99 63.9 56.6 85.0



#15
Acrylonitrile
Concen: 0.815 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.049 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

Tgt Ion: 53 Resp: 388
Ion Ratio Lower Upper
53 100
52 10.6 66.0 99.0#
51 102.6 29.8 44.6#

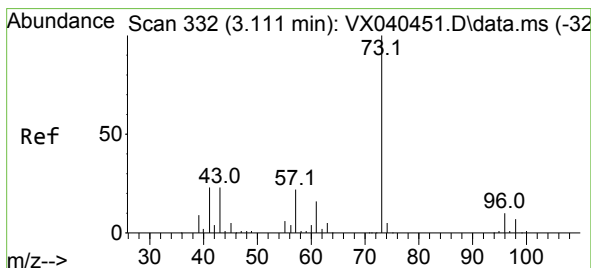
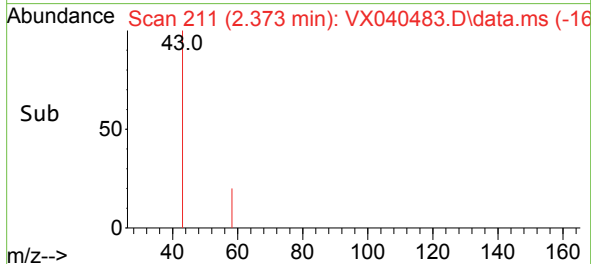
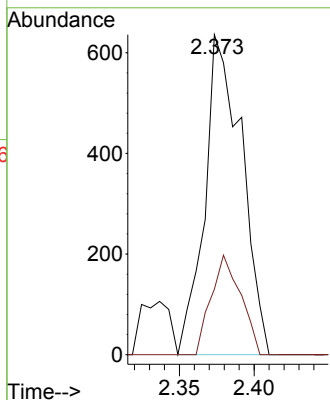
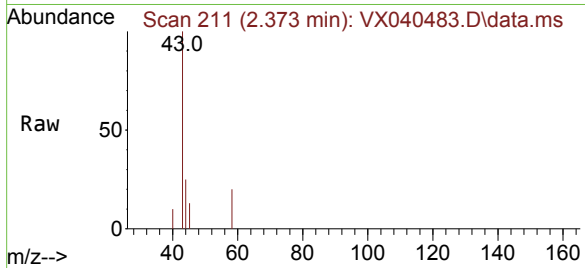




#16
Acetone
Concen: 2.962 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

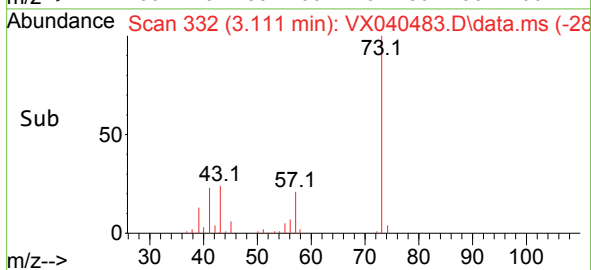
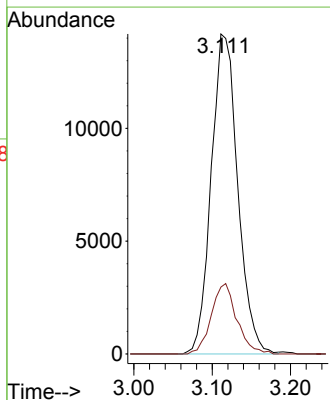
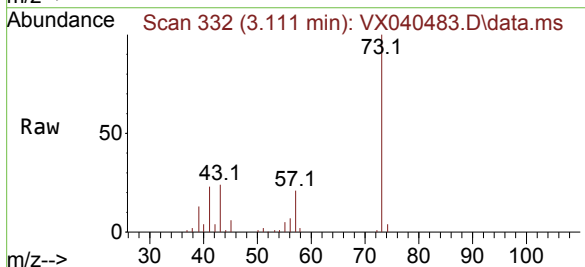
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

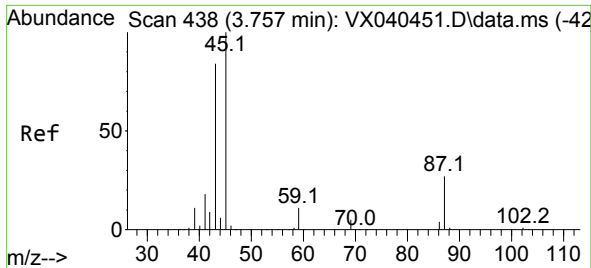
Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
58 20.4 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 12.721 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

Tgt Ion: 73 Resp: 33381
Ion Ratio Lower Upper
73 100
57 20.9 17.3 25.9

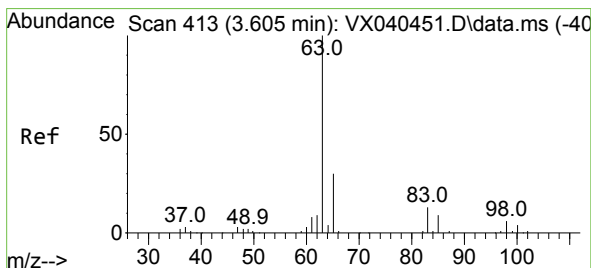
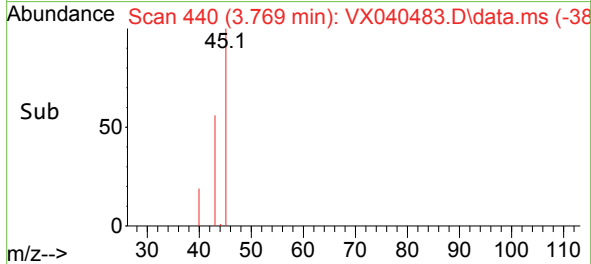
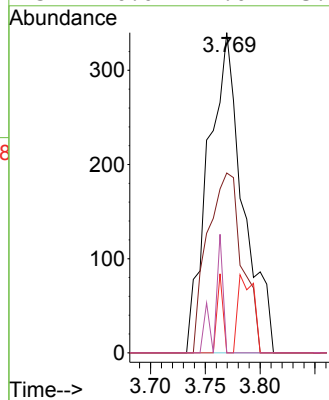
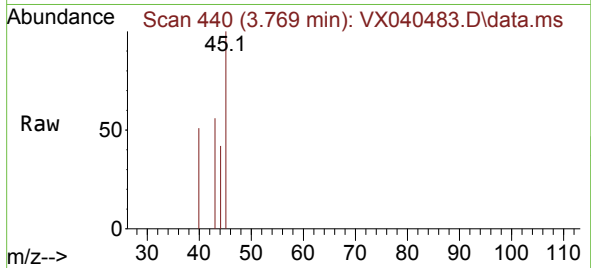




#22
Diisopropyl ether
Concen: 0.277 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.012 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

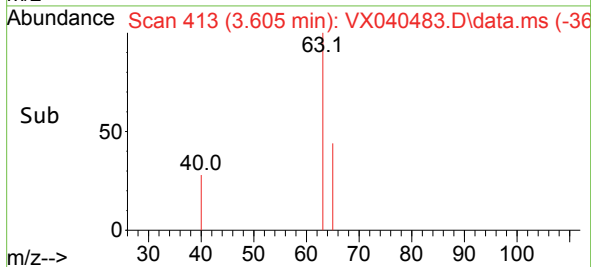
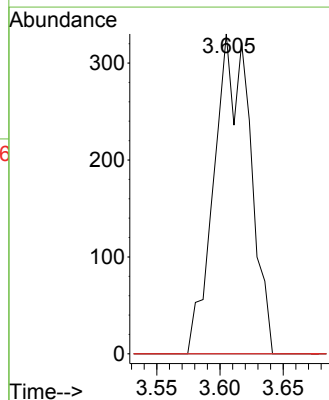
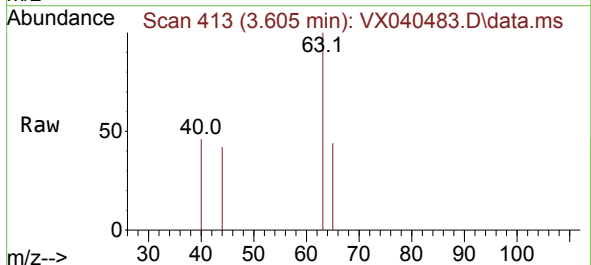
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

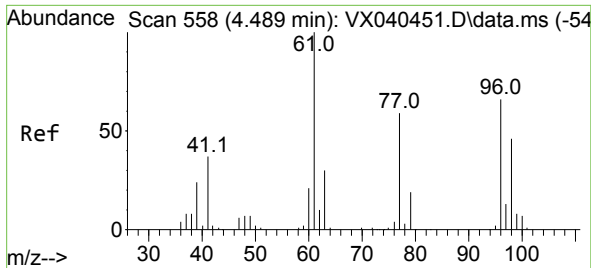
Tgt Ion:	45	Resp:	748
Ion	Ratio	Lower	Upper
45	100		
43	56.2	69.7	104.5#
87	0.0	20.8	31.2#
59	0.0	9.0	13.4#



#24
1,1-Dichloroethane
Concen: 0.417 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

Tgt Ion:	63	Resp:	657
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.3	9.8#
100	0.0	2.1	6.5#

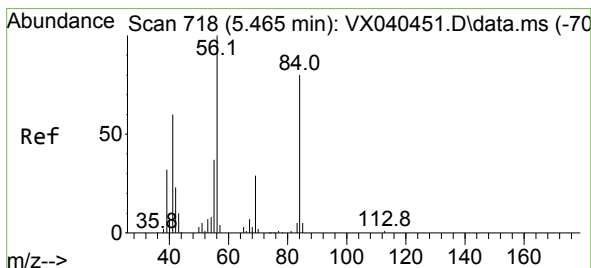
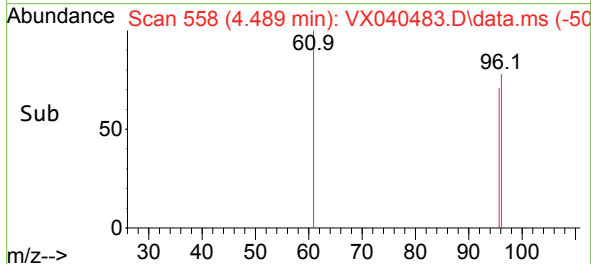
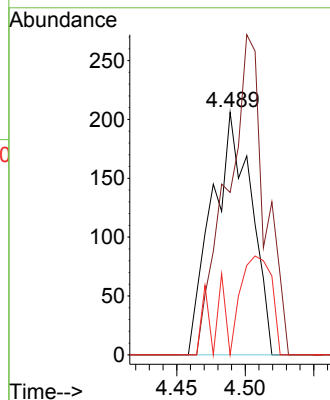
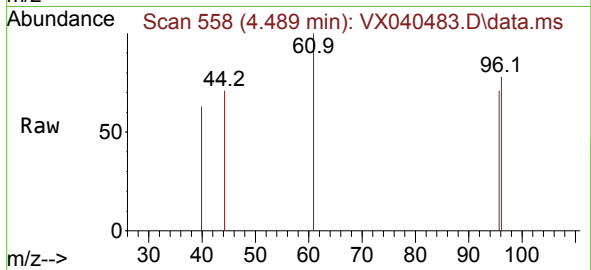




#27
 cis-1,2-Dichloroethene
 Concen: 0.428 ug/l
 RT: 4.489 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VX040483.D
 Acq: 27 Feb 2024 12:44

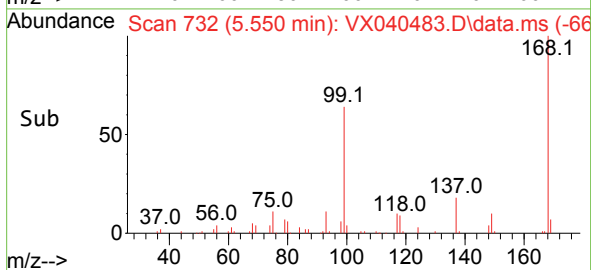
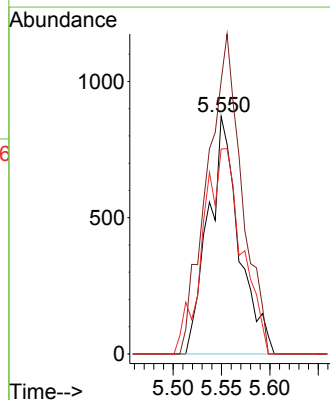
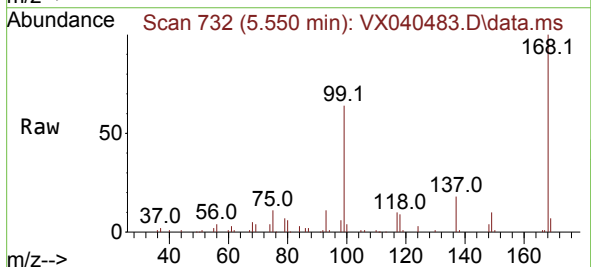
Instrument :
 MSVOA_X
 ClientSampleId :
 TT149S1-20240222

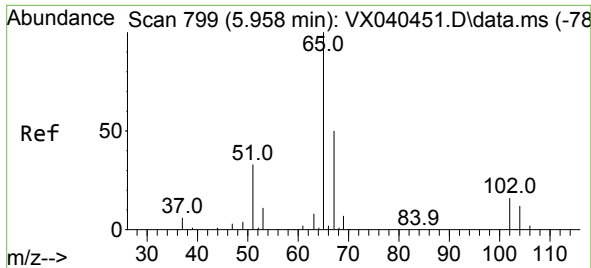
Tgt Ion: 96	Resp:	411
Ion	Ratio	Lower Upper
96	100	
61	0.0	0.0 312.2
98	6.1	0.0 129.0



#31
 Cyclohexane
 Concen: 1.507 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.085 min
 Lab File: VX040483.D
 Acq: 27 Feb 2024 12:44

Tgt Ion: 56	Resp:	1928
Ion	Ratio	Lower Upper
56	100	
69	115.0	23.4 35.2#
84	86.3	65.9 98.9

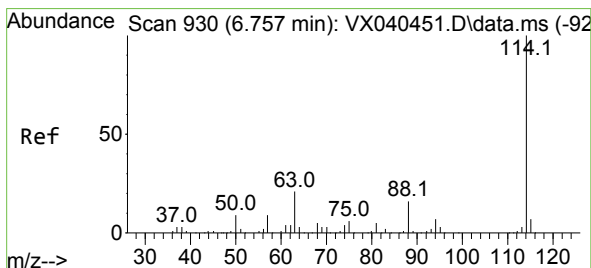
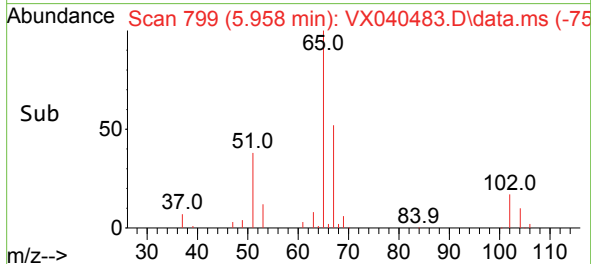
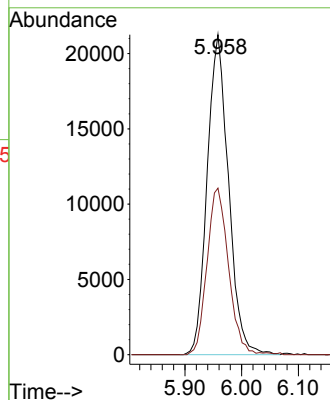
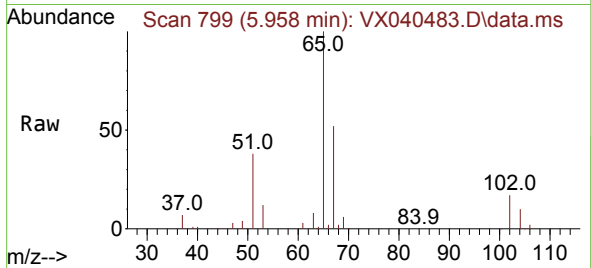




#33
1,2-Dichloroethane-d4
Concen: 49.174 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

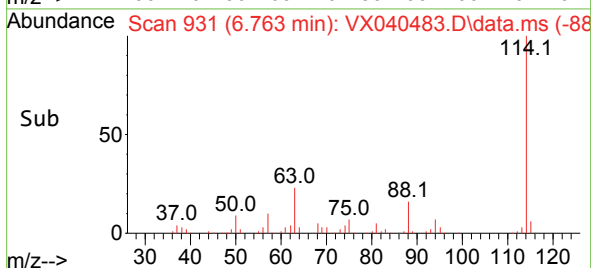
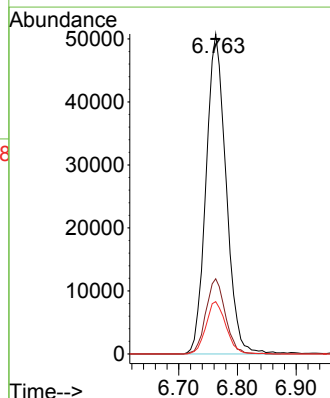
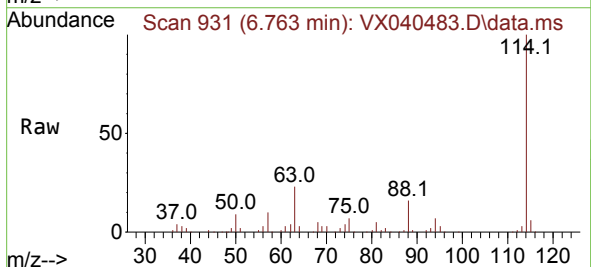
Instrument :
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ClientSampleId :
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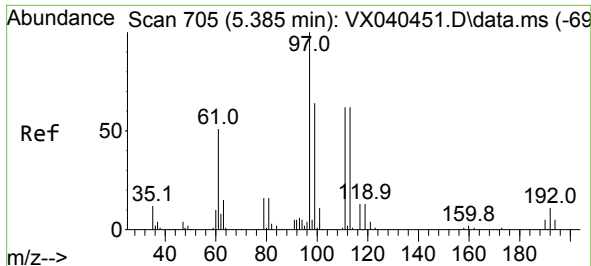
Tgt Ion: 65 Resp: 55535
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

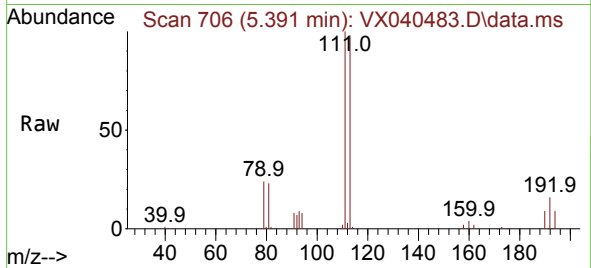
Tgt Ion:114 Resp: 120274
Ion Ratio Lower Upper
114 100
63 23.5 0.0 45.0
88 16.3 0.0 36.6



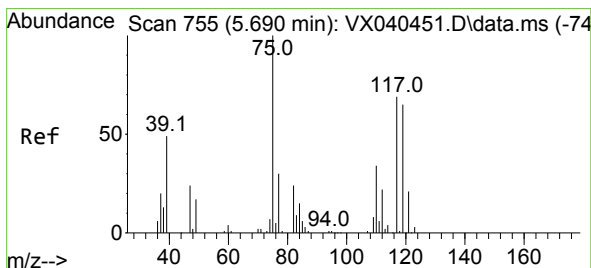
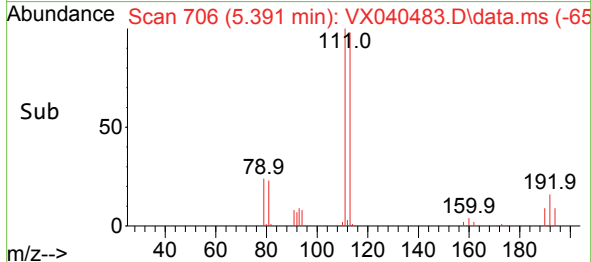
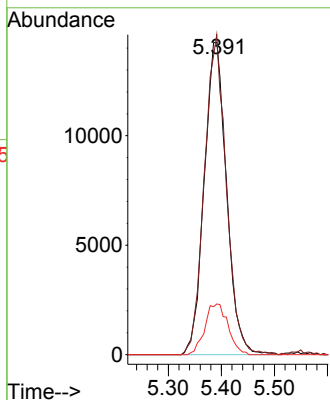


#35
Dibromofluoromethane
Concen: 49.895 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

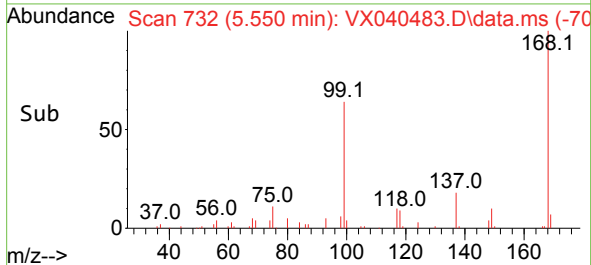
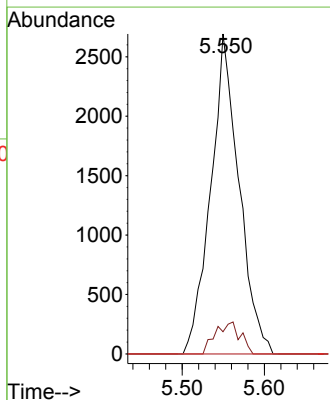
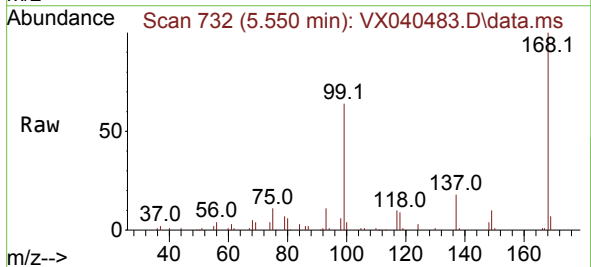


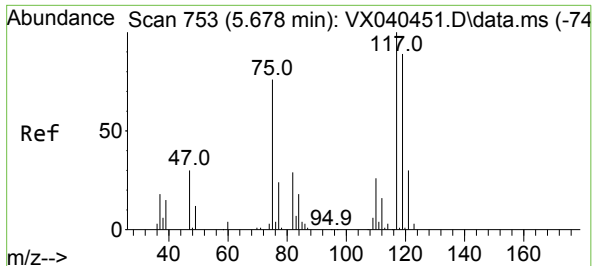
Tgt Ion:113 Resp: 41731
Ion Ratio Lower Upper
113 100
111 100.6 82.9 124.3
192 16.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.996 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

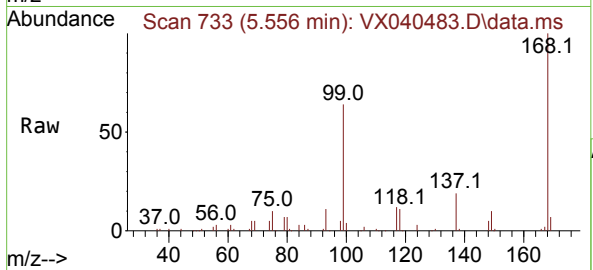
Tgt Ion: 75 Resp: 6438
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#



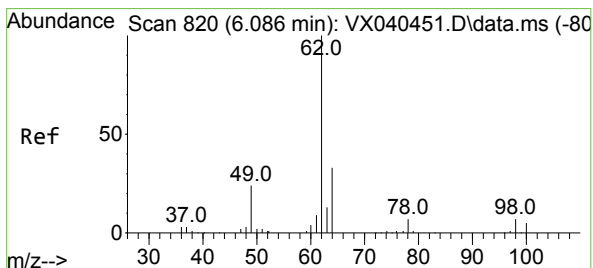
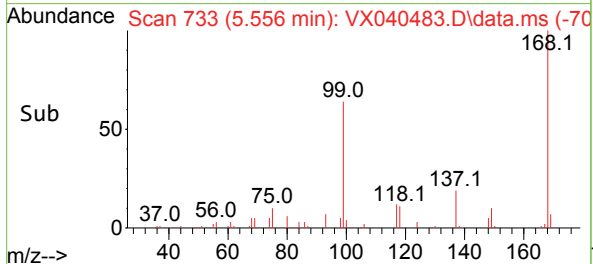
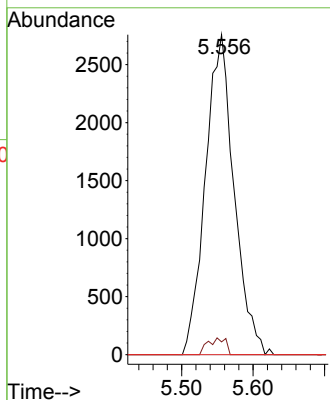


#38
Carbon Tetrachloride
Concen: 6.169 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

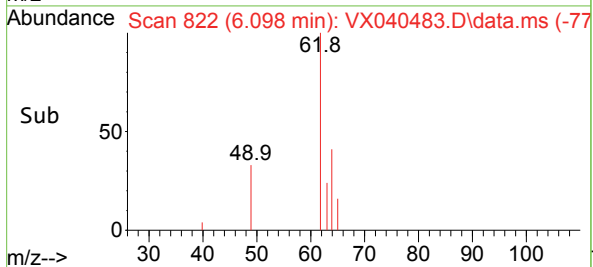
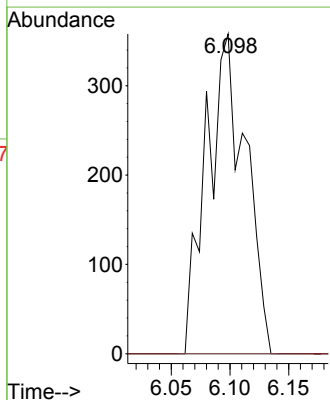
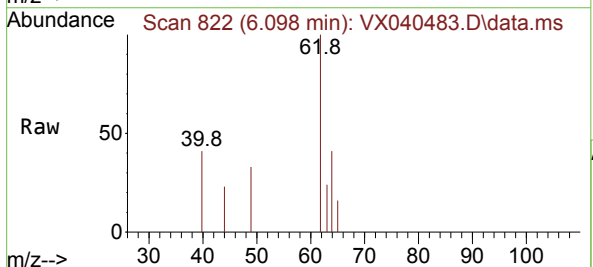


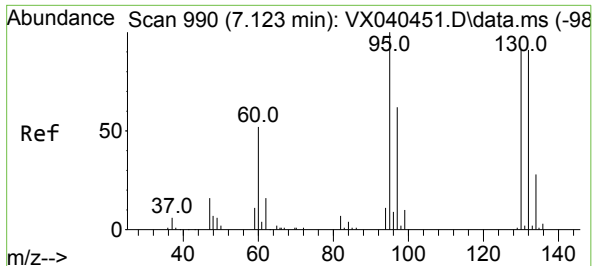
Tgt Ion:117 Resp: 7680
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.576 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.012 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

Tgt Ion: 62 Resp: 832
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

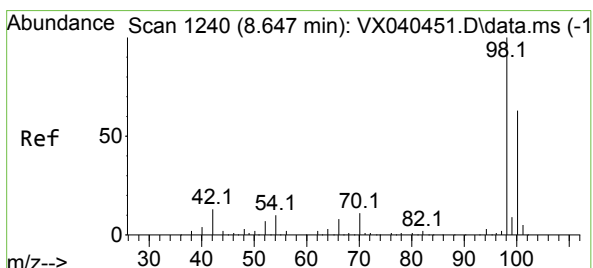
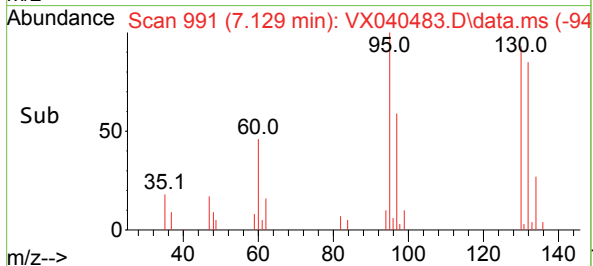
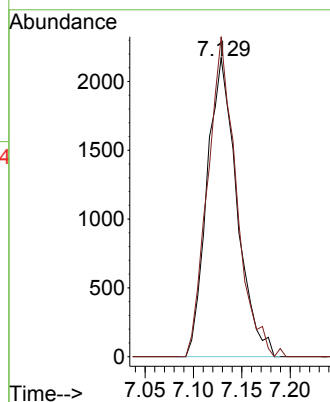
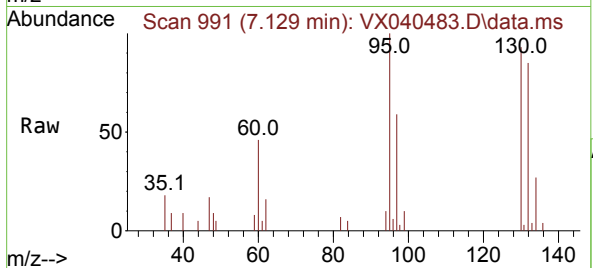




#44
Trichloroethene
Concen: 4.968 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

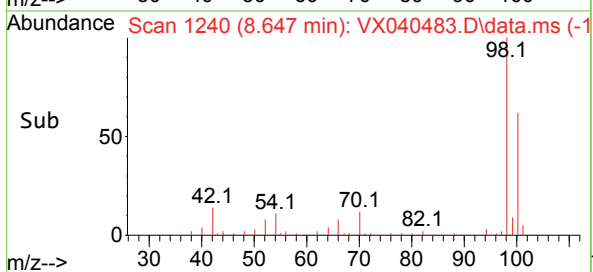
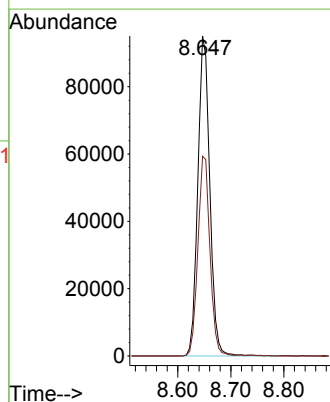
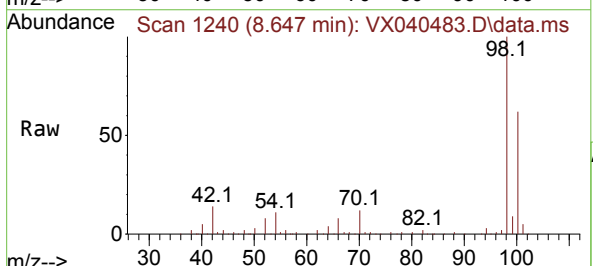
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

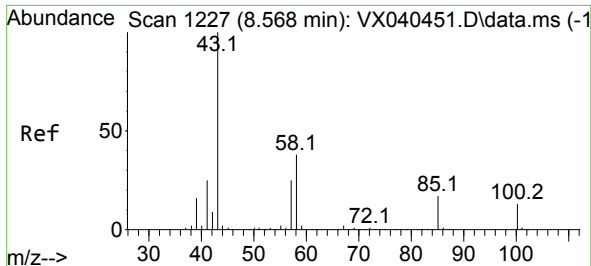
Tgt Ion:130 Resp: 4661
Ion Ratio Lower Upper
130 100
95 107.0 0.0 204.4



#50
Toluene-d8
Concen: 49.125 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

Tgt Ion: 98 Resp: 149142
Ion Ratio Lower Upper
98 100
100 63.0 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.552 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.085 min

Lab File: VX040483.D

Acq: 27 Feb 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

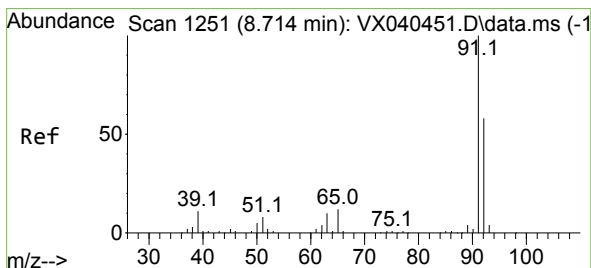
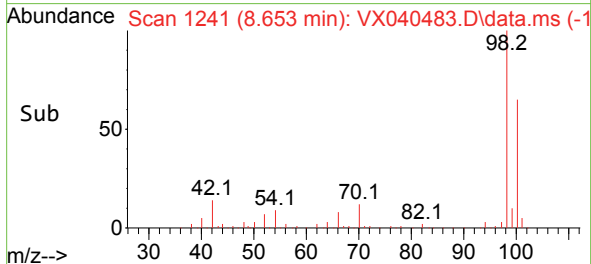
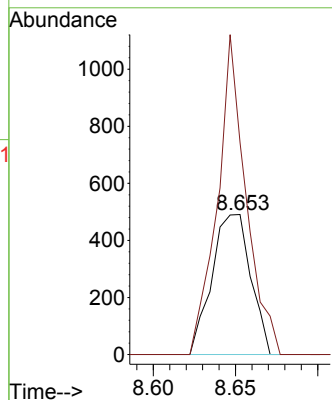
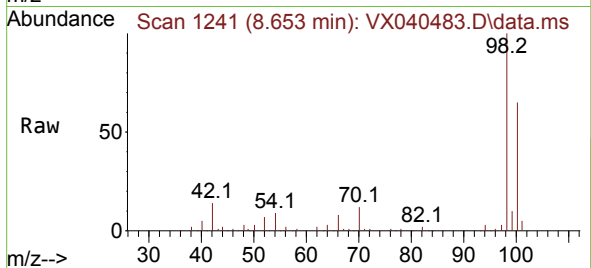
TT149S1-20240222

Tgt Ion: 43 Resp: 807

Ion Ratio Lower Upper

43 100

58 168.4 30.4 45.6#



#52

Toluene

Concen: 1.397 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.012 min

Lab File: VX040483.D

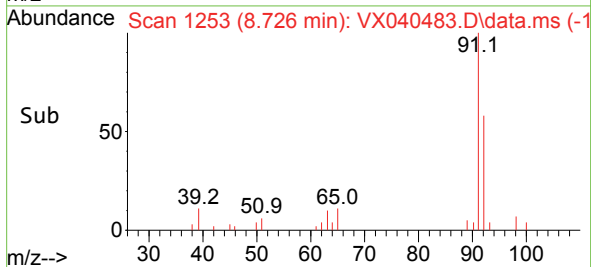
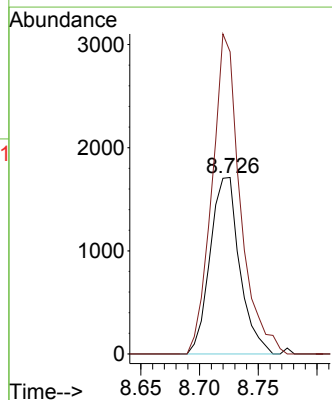
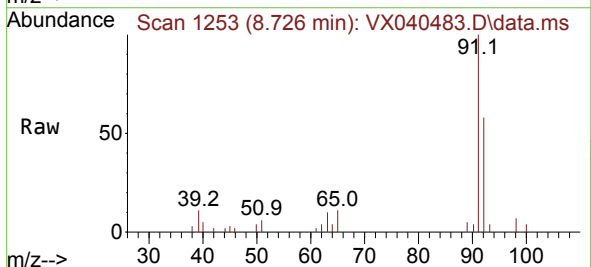
Acq: 27 Feb 2024 12:44

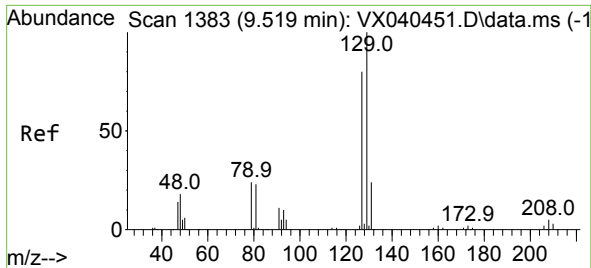
Tgt Ion: 92 Resp: 2991

Ion Ratio Lower Upper

92 100

91 173.3 134.2 201.2

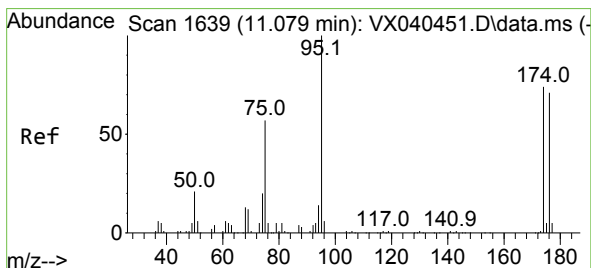
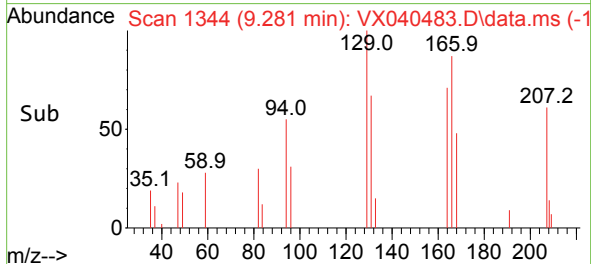
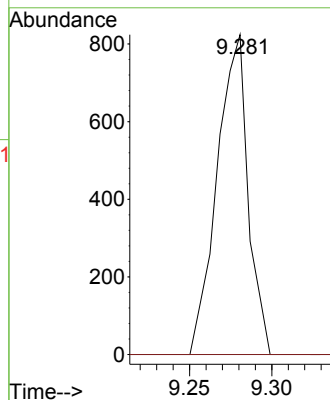
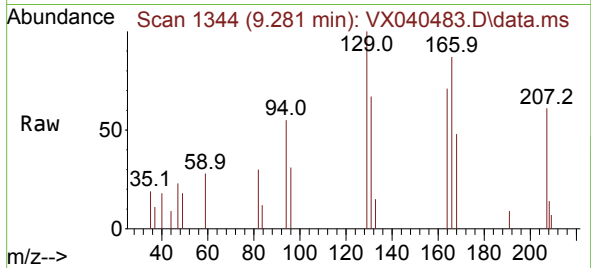




#60
Dibromochloromethane
Concen: 1.117 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

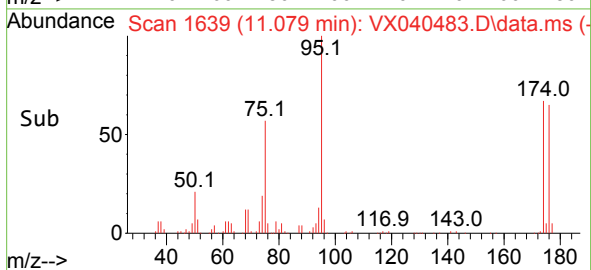
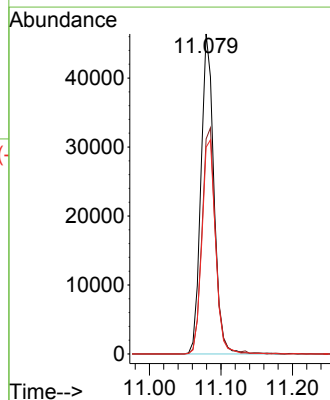
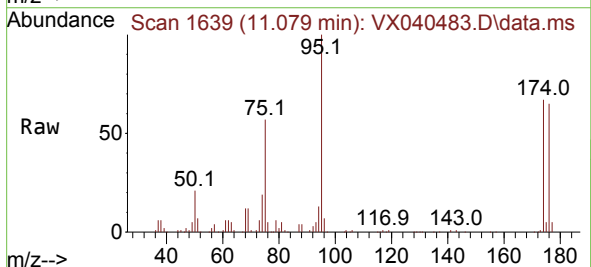
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

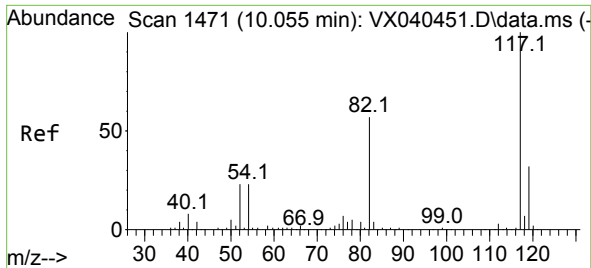
Tgt Ion:129 Resp: 1078
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.458 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

Tgt Ion: 95 Resp: 58394
Ion Ratio Lower Upper
95 100
174 73.8 0.0 135.6
176 70.5 0.0 131.0

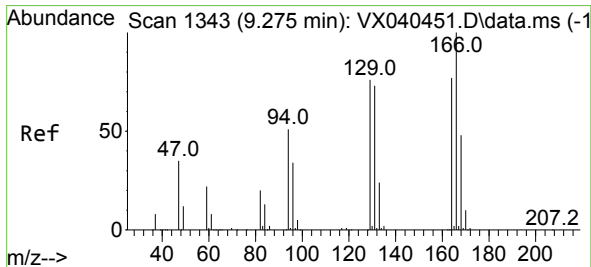
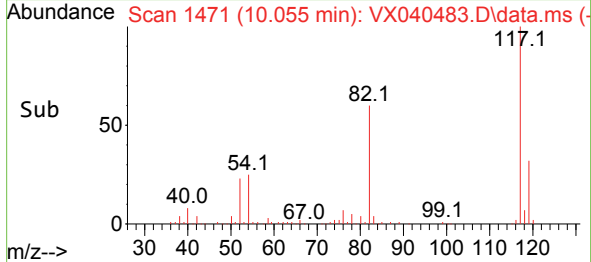
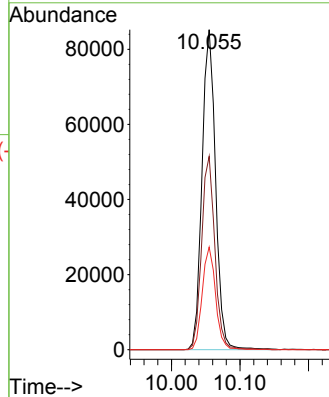
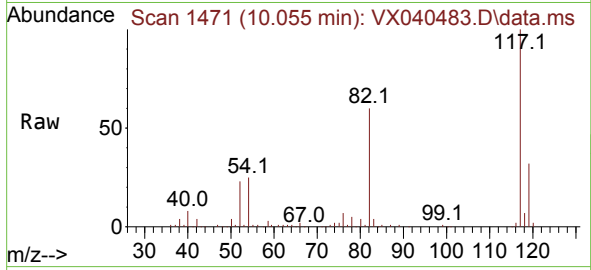




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

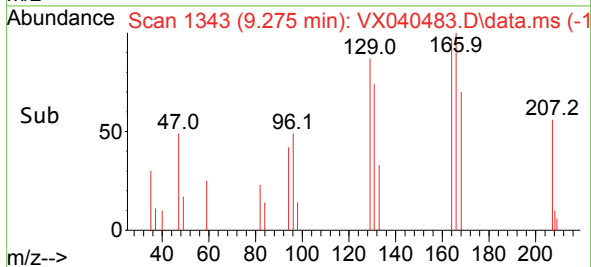
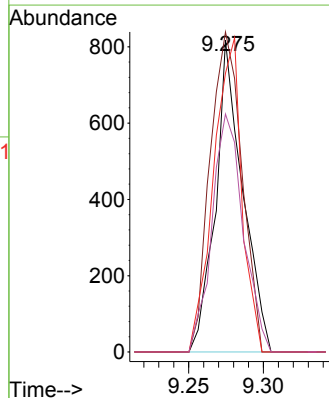
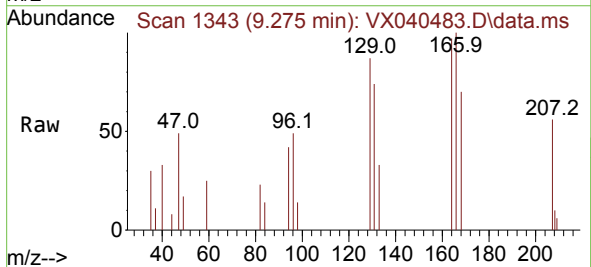
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

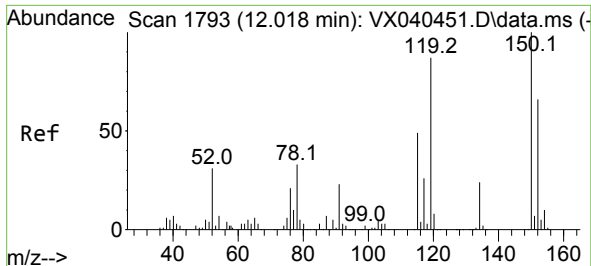
Tgt Ion:117 Resp: 117528
Ion Ratio Lower Upper
117 100
82 60.4 46.2 69.4
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 1.253 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

Tgt Ion:164 Resp: 1034
Ion Ratio Lower Upper
164 100
166 102.7 102.7 154.1#
129 89.5 80.4 120.6
131 76.4 76.5 114.7#

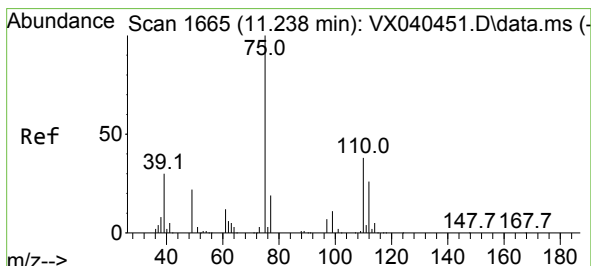
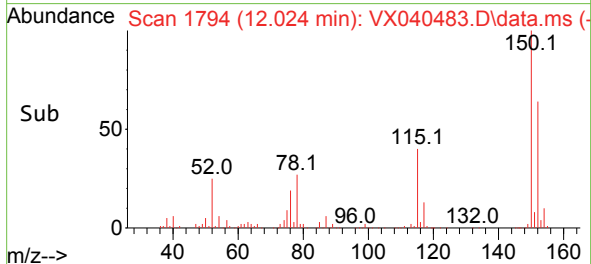
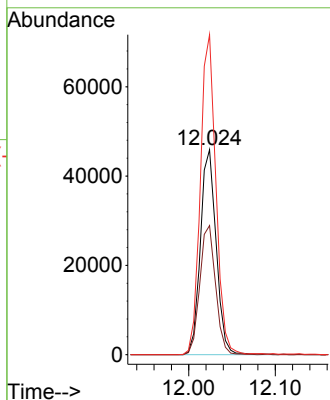
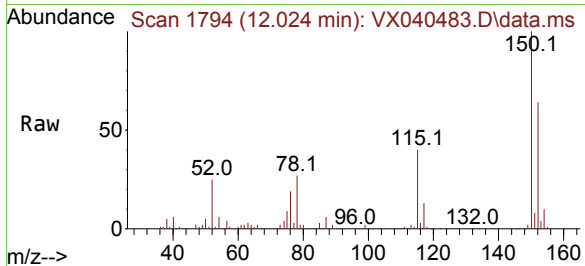




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

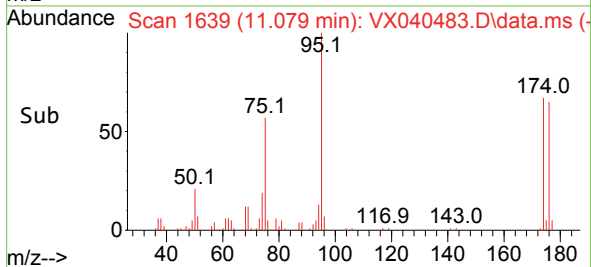
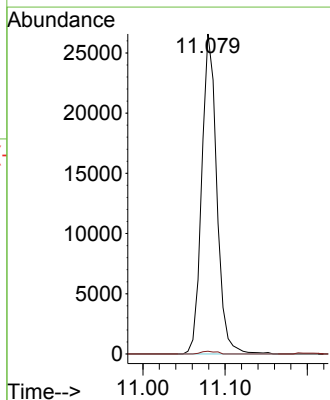
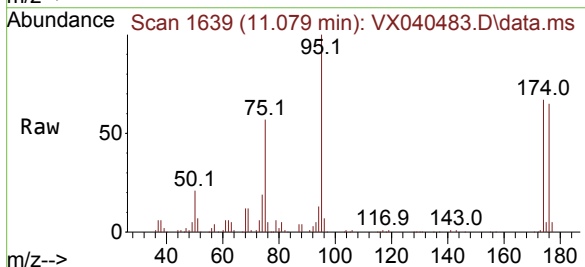
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

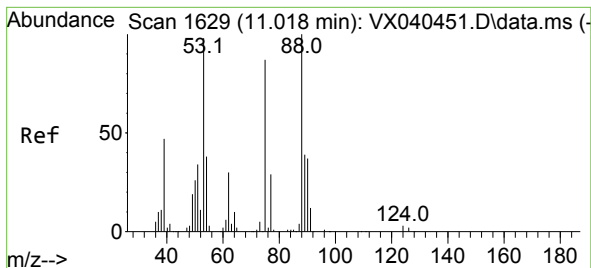
Tgt Ion:152 Resp: 58081
Ion Ratio Lower Upper
152 100
115 63.0 43.3 129.9
150 154.0 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 26.520 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

Tgt Ion: 75 Resp: 33899
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#

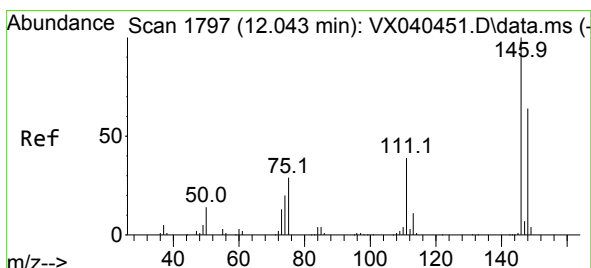
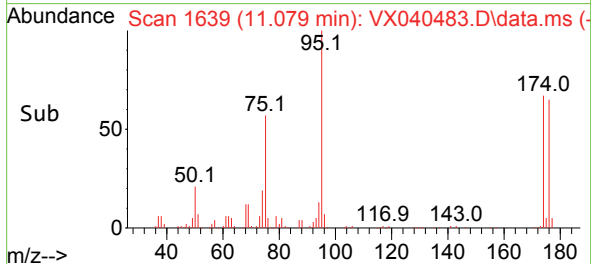
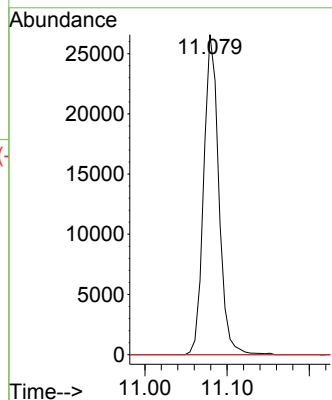
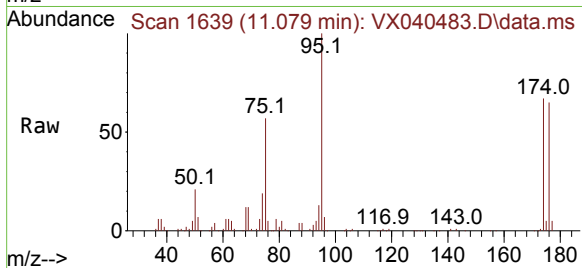




#81
trans-1,4-Dichloro-2-butene
Concen: 77.069 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

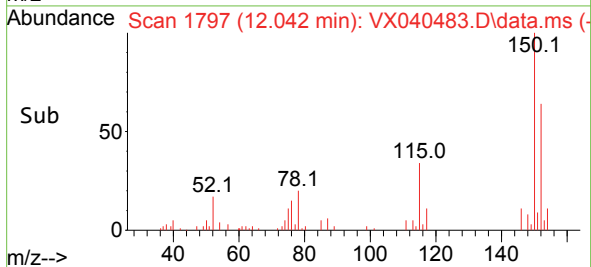
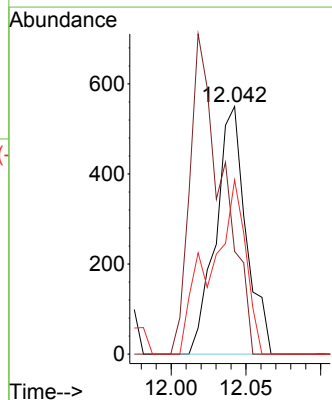
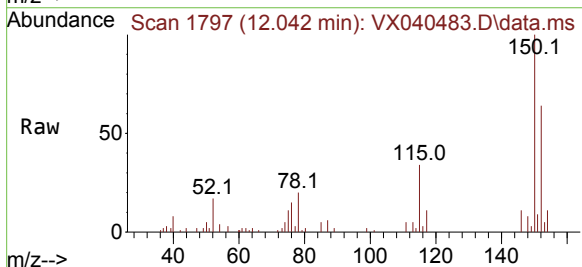
Instrument :
MSVOA_X
ClientSampleId :
TT149S1-20240222

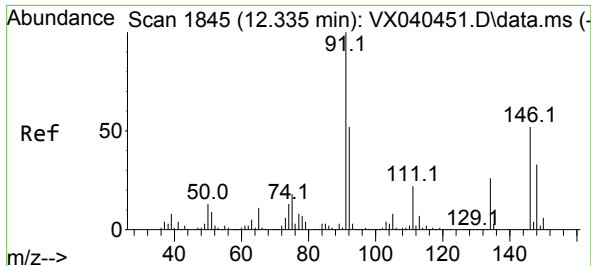
Tgt Ion: 75 Resp: 33899
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#88
1,4-Dichlorobenzene
Concen: 0.378 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX040483.D
Acq: 27 Feb 2024 12:44

Tgt Ion: 146 Resp: 775
Ion Ratio Lower Upper
146 100
111 0.0 21.3 63.7#
148 81.5 31.8 95.4





#91

1,2-Dichlorobenzene

Concen: 0.324 ug/l

RT: 12.341 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040483.D

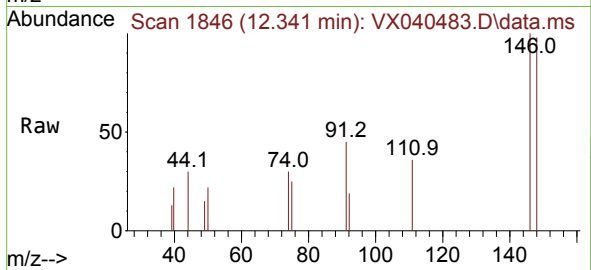
Acq: 27 Feb 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

TT149S1-20240222



Tgt Ion:146 Resp: 623

Ion Ratio Lower Upper

146 100

111 45.4 22.4 67.0

148 78.2 31.6 95.0

