

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
 Data File : VX046425.D
 Acq On : 30 May 2025 16:36
 Operator : JC/MD
 Sample : Q2163-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 250528063-01

Quant Time: May 30 23:31:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

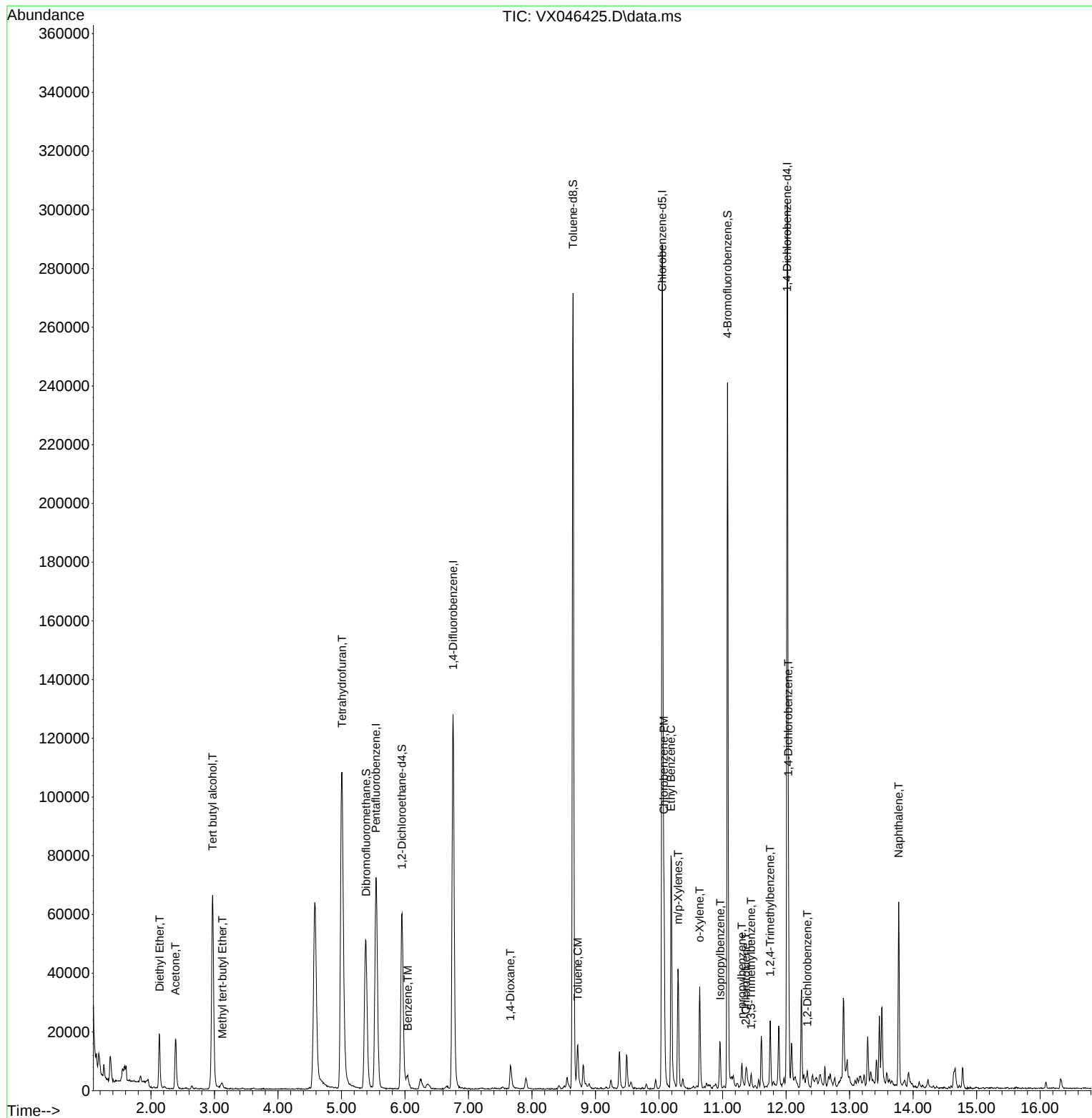
Internal Standards						
1) Pentafluorobenzene	5.544	168	60588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	120386	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61793	54.706	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.420%	
35) Dibromofluoromethane	5.385	113	44395	51.211	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.420%	
50) Toluene-d8	8.647	98	152775	50.917	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.840%	
62) 4-Bromofluorobenzene	11.079	95	62380	54.199	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.400%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	6111	14.513	ug/l	99
11) Tert butyl alcohol	2.971	59	70033	441.695	ug/l	99
16) Acetone	2.386	43	5411	11.947	ug/l #	86
19) Methyl tert-butyl Ether	3.123	73	1736	0.689	ug/l #	89
29) Tetrahydrofuran	5.007	42	107736	261.487	ug/l	96
40) Benzene	6.044	78	5043	1.478	ug/l #	84
49) 1,4-Dioxane	7.659	88	5971	280.477	ug/l	96
52) Toluene	8.720	92	4089	1.955	ug/l	95
65) Chlorobenzene	10.073	112	25126	9.837	ug/l	96
67) Ethyl Benzene	10.189	91	46558	10.341	ug/l	95
68) m/p-Xylenes	10.299	106	8529	5.179	ug/l	99
69) o-Xylene	10.640	106	6753	4.206	ug/l	91
73) Isopropylbenzene	10.963	105	7256	1.736	ug/l	94
78) n-propylbenzene	11.305	91	3934	0.810	ug/l	98
79) 2-Chlorotoluene	11.366	91	2668	0.851	ug/l	83
80) 1,3,5-Trimethylbenzene	11.451	105	2003	0.574	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	9442	2.671	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	15182	8.396	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	992	0.558	ug/l	90
95) Naphthalene	13.774	128	36961	9.875	ug/l	99

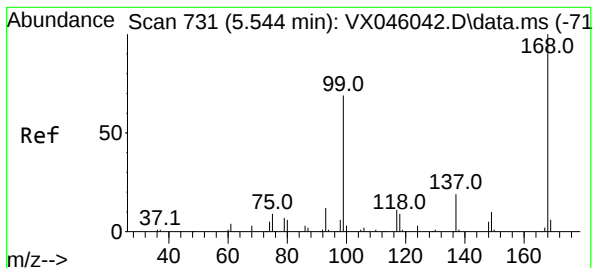
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.000 min

Lab File: VX046425.D

Acq: 30 May 2025 16:36

Instrument :

MSVOA_X

ClientSampleId :

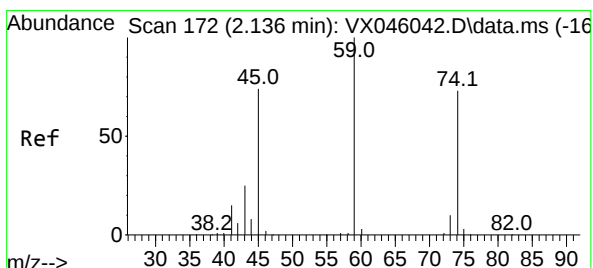
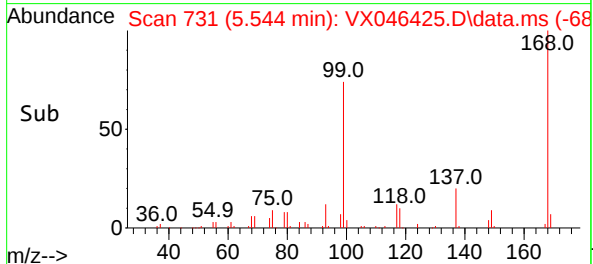
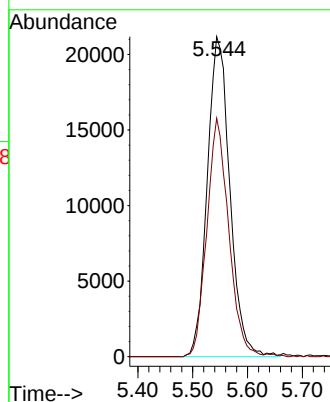
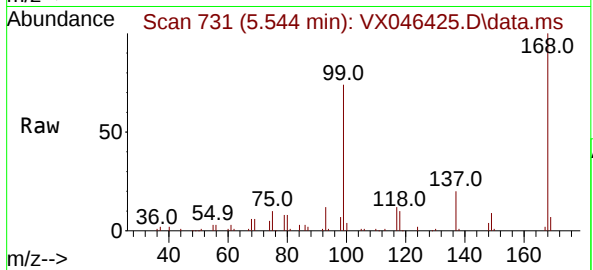
250528063-01

Tgt Ion:168 Resp: 60588

Ion Ratio Lower Upper

168 100

99 74.5 54.9 82.3



#8

Diethyl Ether

Concen: 14.513 ug/l

RT: 2.136 min Scan# 172

Delta R.T. -0.000 min

Lab File: VX046425.D

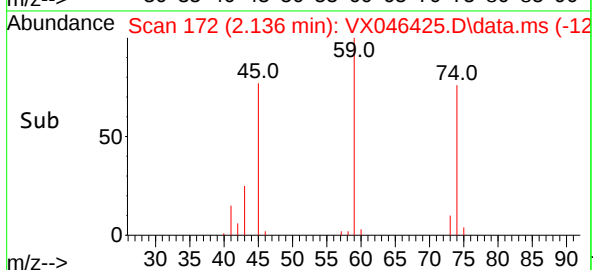
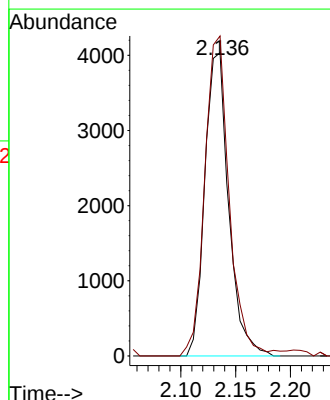
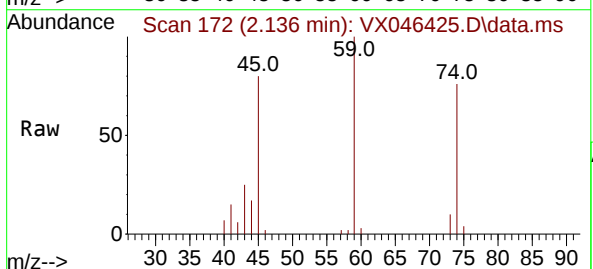
Acq: 30 May 2025 16:36

Tgt Ion: 74 Resp: 6111

Ion Ratio Lower Upper

74 100

45 108.5 54.9 164.8

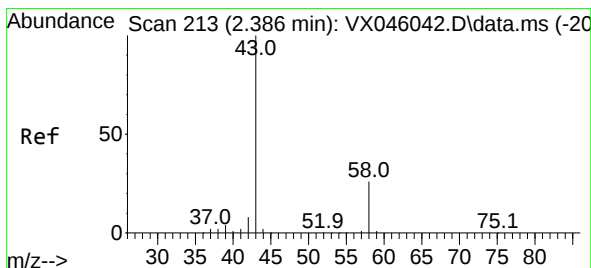
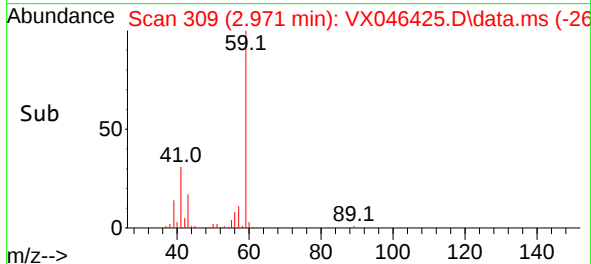
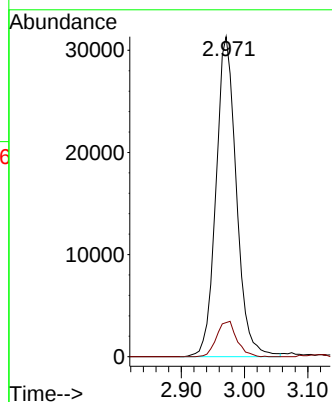
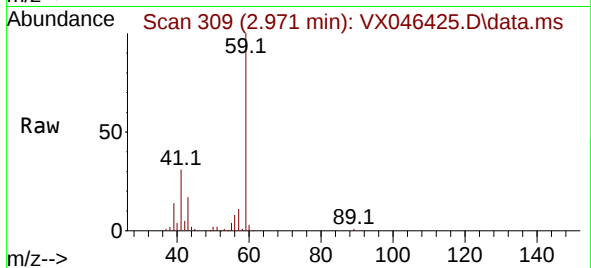




#11
Tert butyl alcohol
Concen: 441.695 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

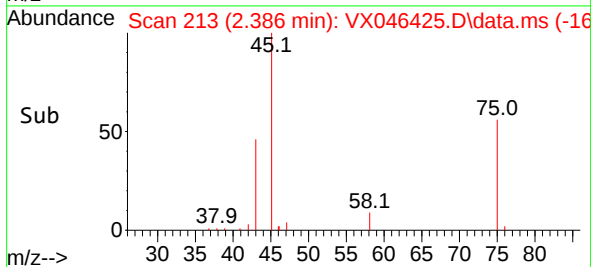
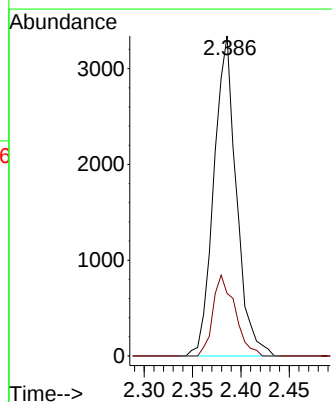
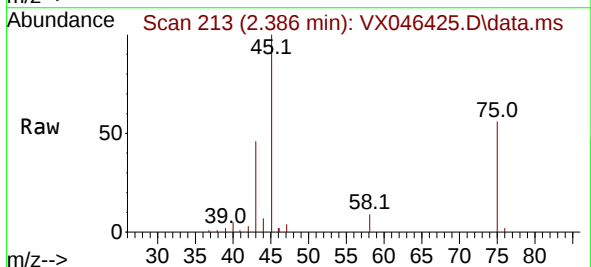
Instrument :
MSVOA_X
ClientSampleId :
250528063-01

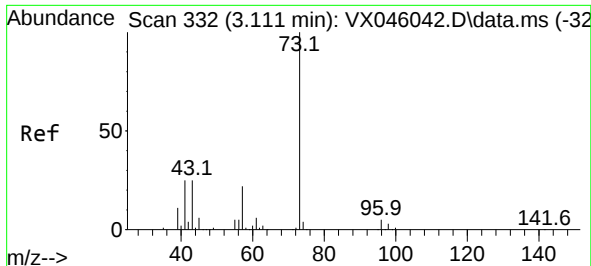
Tgt Ion: 59 Resp: 70033
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8



#16
Acetone
Concen: 11.947 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion: 43 Resp: 5411
Ion Ratio Lower Upper
43 100
58 19.5 21.2 31.8#

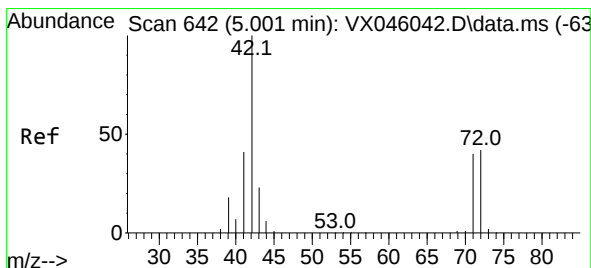
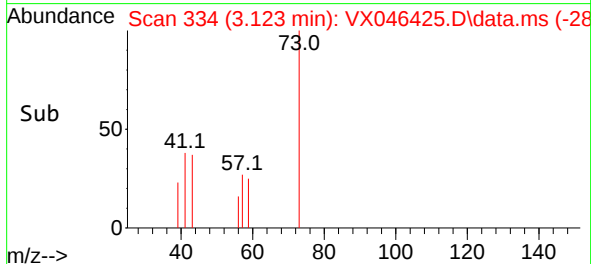
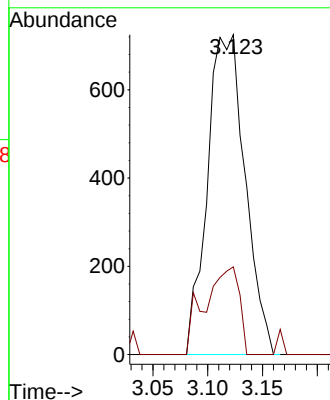
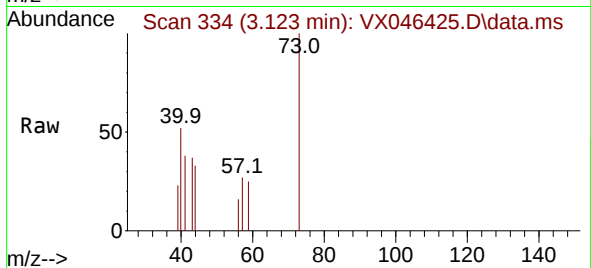




#19
Methyl tert-butyl Ether
Concen: 0.689 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

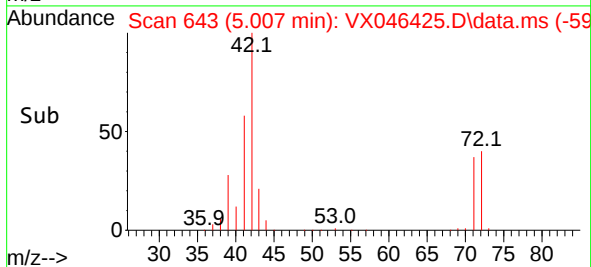
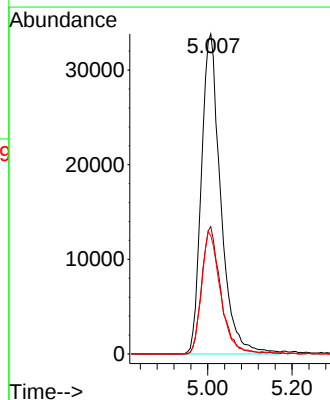
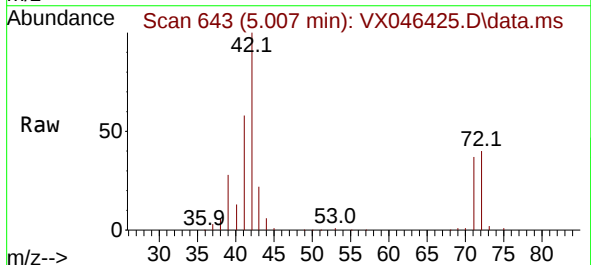
Instrument :
MSVOA_X
ClientSampleId :
250528063-01

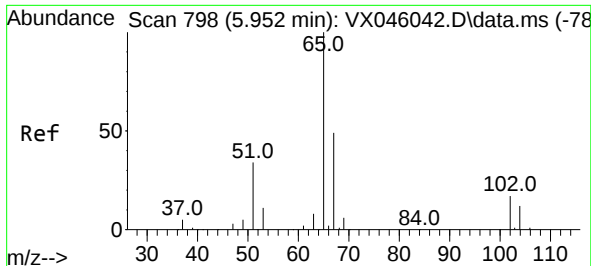
Tgt Ion: 73 Resp: 1736
Ion Ratio Lower Upper
73 100
57 27.4 17.7 26.5#



#29
Tetrahydrofuran
Concen: 261.487 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.006 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion: 42 Resp: 107736
Ion Ratio Lower Upper
42 100
72 38.9 33.7 50.5
71 37.7 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 54.706 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046425.D

Acq: 30 May 2025 16:36

Instrument :

MSVOA_X

ClientSampleId :

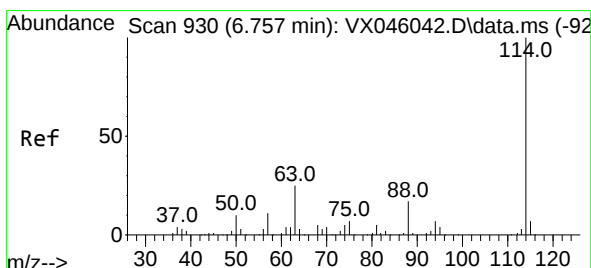
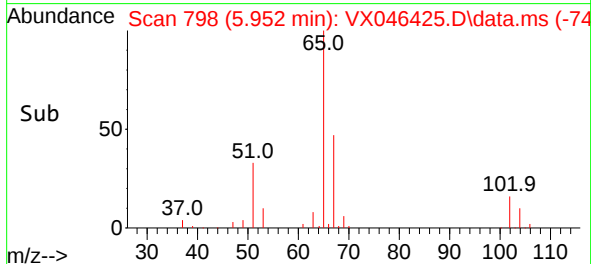
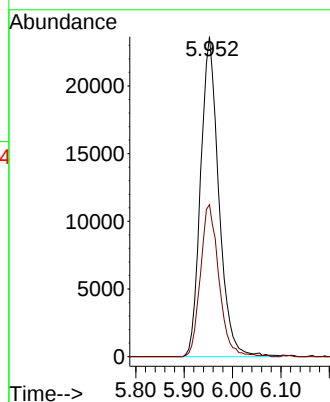
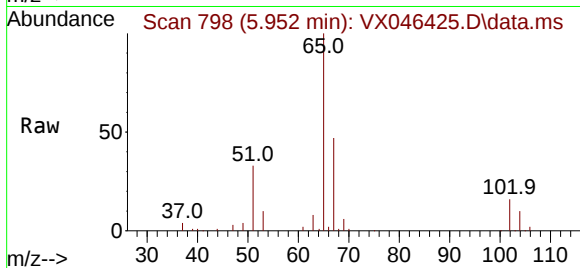
250528063-01

Tgt Ion: 65 Resp: 61793

Ion Ratio Lower Upper

65 100

67 48.1 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046425.D

Acq: 30 May 2025 16:36

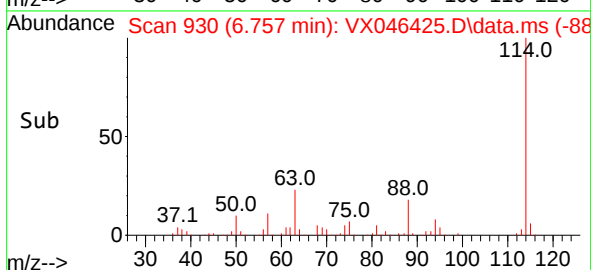
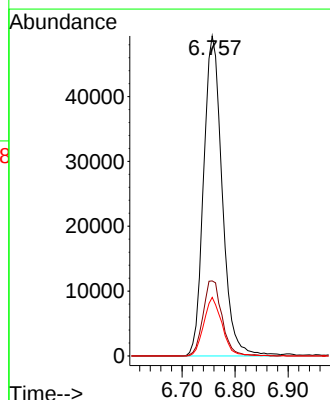
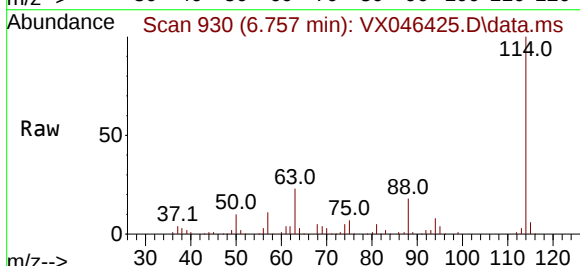
Tgt Ion: 114 Resp: 120386

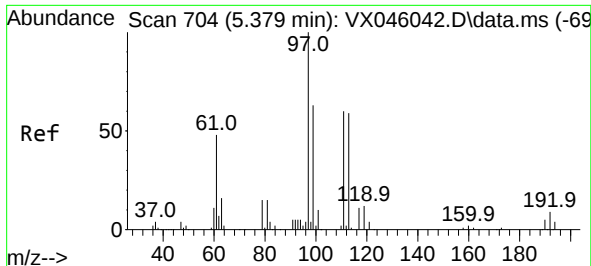
Ion Ratio Lower Upper

114 100

63 23.5 0.0 49.2

88 18.3 0.0 33.6

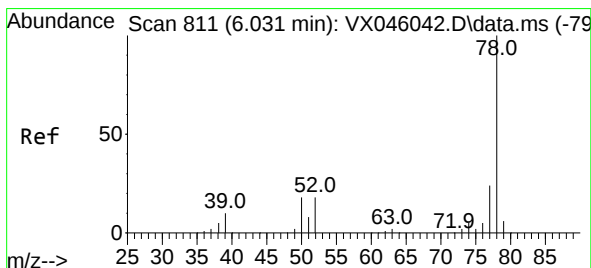
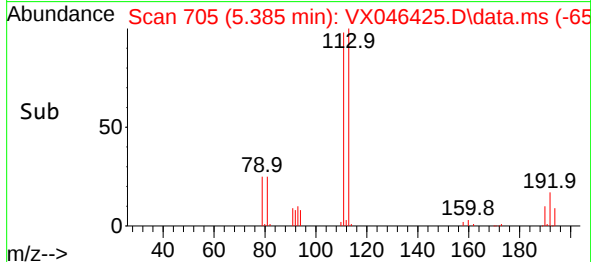
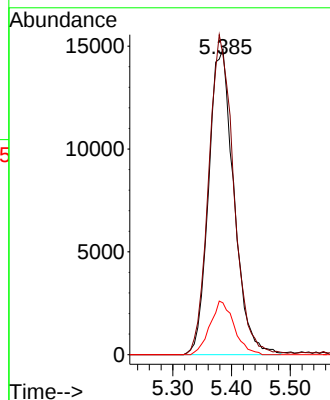
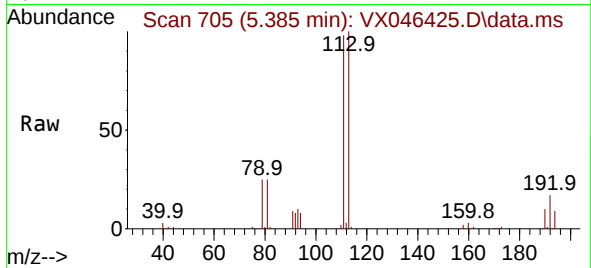




#35
Dibromofluoromethane
Concen: 51.211 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

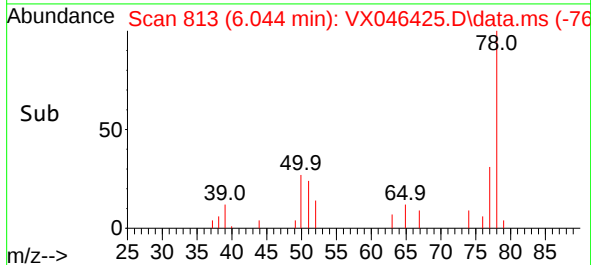
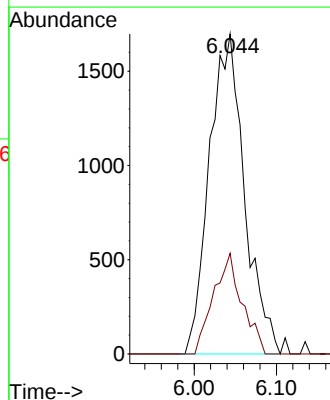
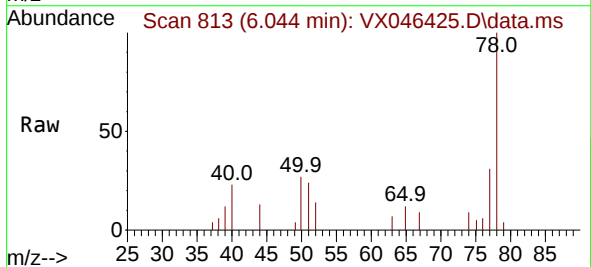
Instrument :
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ClientSampleId :
250528063-01

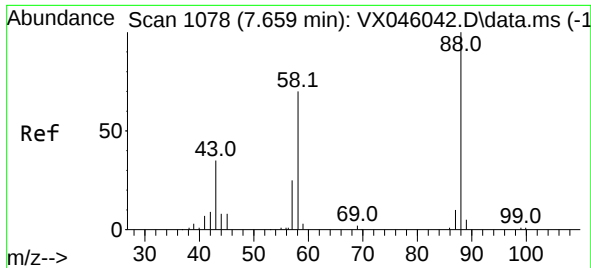
Tgt Ion:113 Resp: 44395
Ion Ratio Lower Upper
113 100
111 104.1 83.1 124.7
192 16.7 13.3 19.9



#40
Benzene
Concen: 1.478 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.012 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion: 78 Resp: 5043
Ion Ratio Lower Upper
78 100
77 31.4 19.0 28.4#

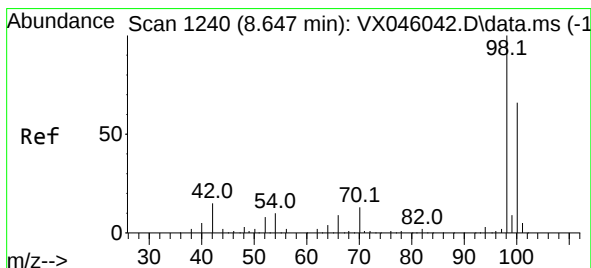
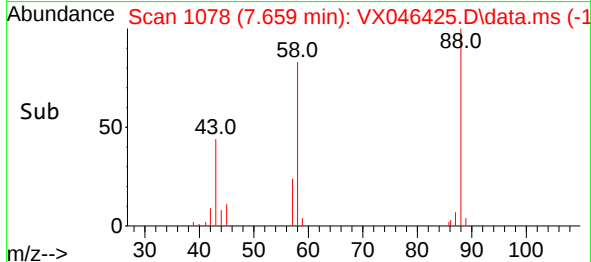
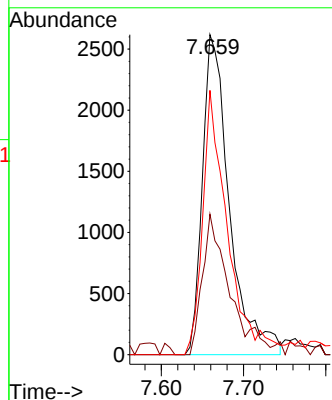
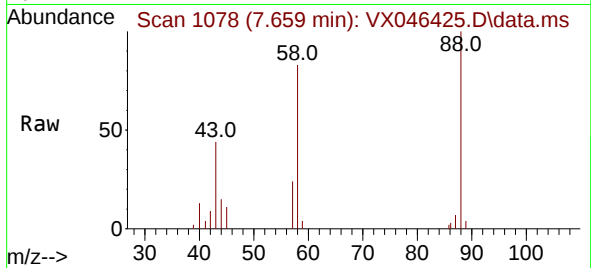




#49
1,4-Dioxane
Concen: 280.477 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

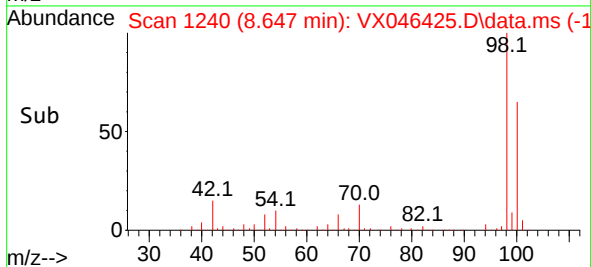
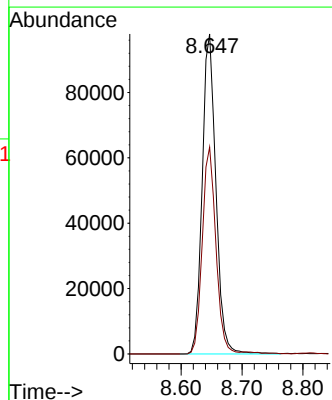
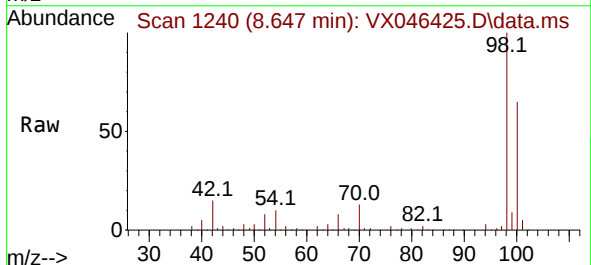
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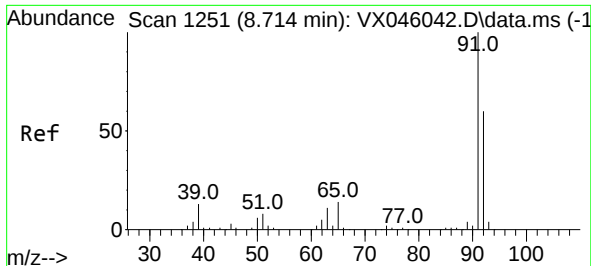
Tgt Ion:	88	Resp:	5971
Ion	Ratio	Lower	Upper
88	100		
43	45.0	33.4	50.2
58	76.3	58.6	88.0



#50
Toluene-d8
Concen: 50.917 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion:	98	Resp:	152775
Ion	Ratio	Lower	Upper
98	100		
100	64.0	53.5	80.3

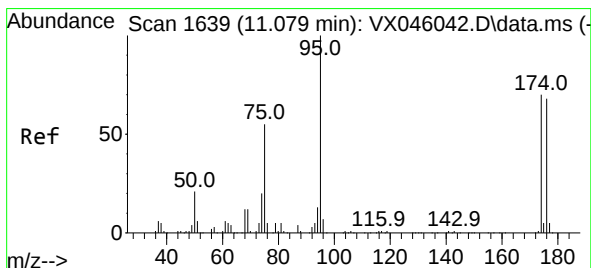
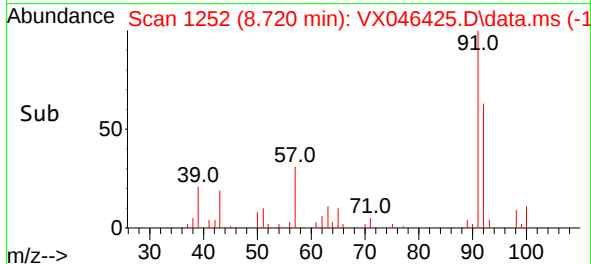
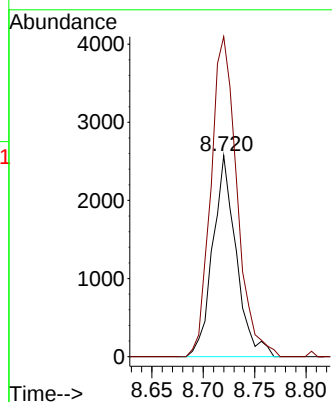
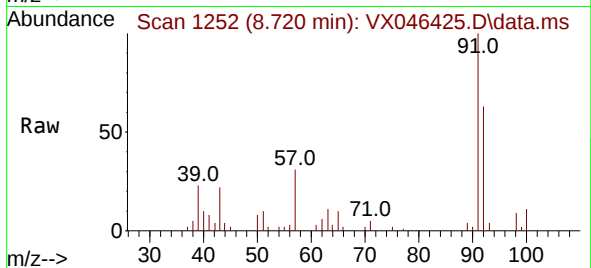




#52
Toluene
Concen: 1.955 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

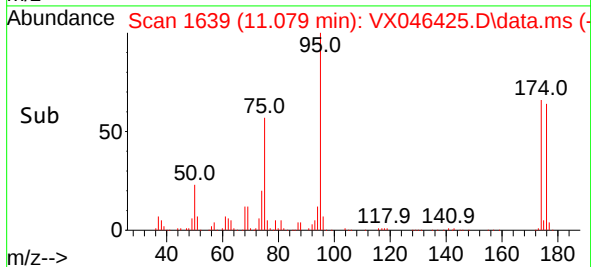
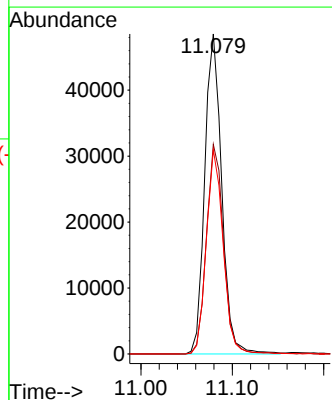
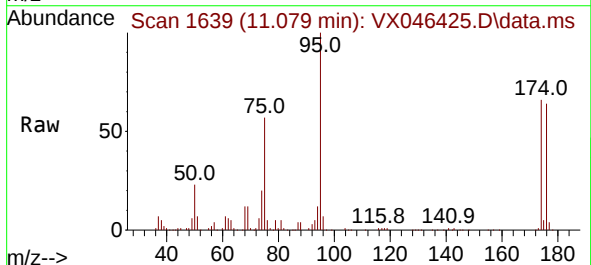
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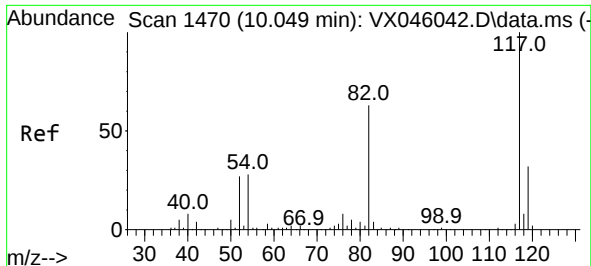
Tgt Ion: 92 Resp: 4089
Ion Ratio Lower Upper
92 100
91 177.3 136.6 205.0



#62
4-Bromofluorobenzene
Concen: 54.199 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion: 95 Resp: 62380
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.8
176 63.5 0.0 131.4

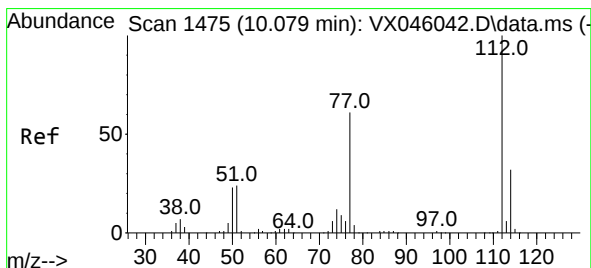
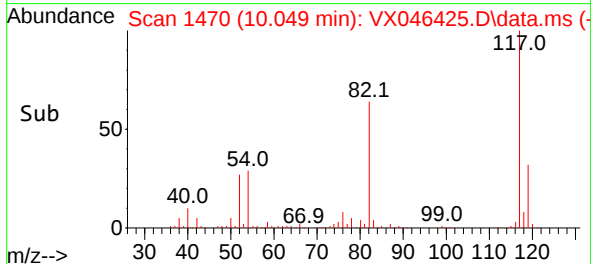
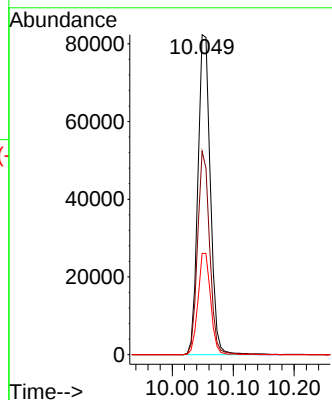
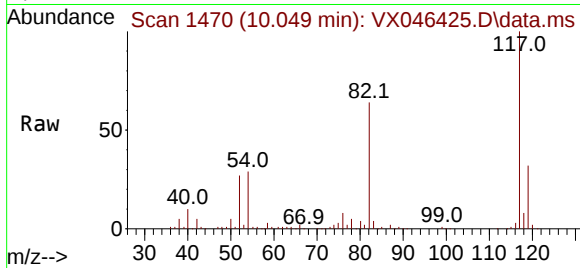




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

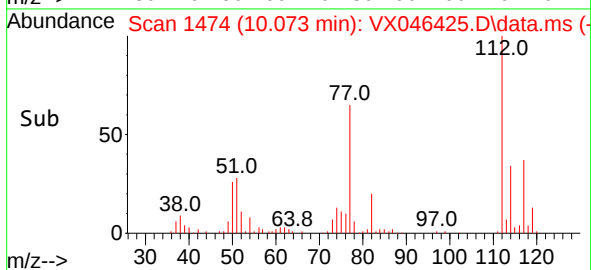
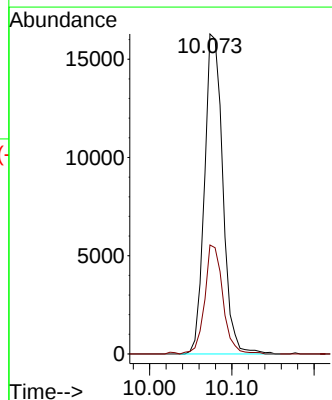
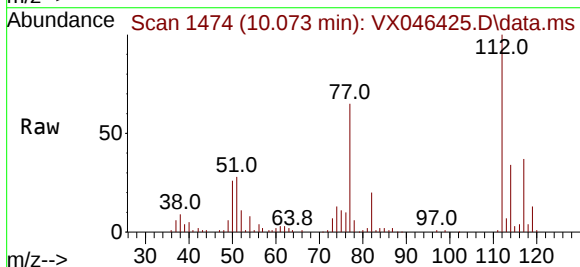
Instrument :
MSVOA_X
ClientSampleId :
250528063-01

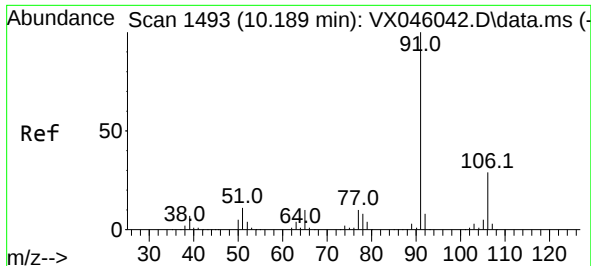
Tgt Ion:117 Resp: 116699
Ion Ratio Lower Upper
117 100
82 63.5 50.6 76.0
119 31.6 25.8 38.6



#65
Chlorobenzene
Concen: 9.837 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion:112 Resp: 25126
Ion Ratio Lower Upper
112 100
114 34.0 25.4 38.2





#67

Ethyl Benzene

Concen: 10.341 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX046425.D

Acq: 30 May 2025 16:36

Instrument :

MSVOA_X

ClientSampleId :

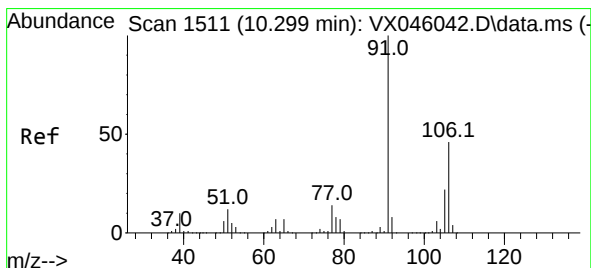
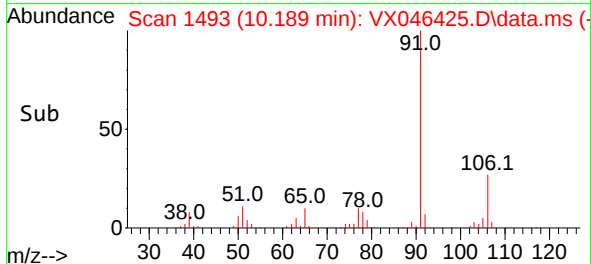
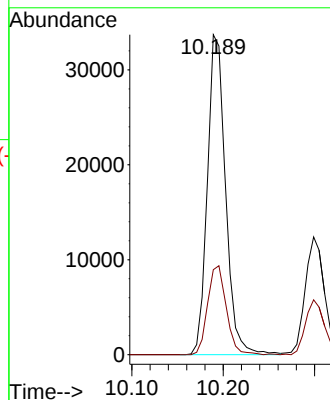
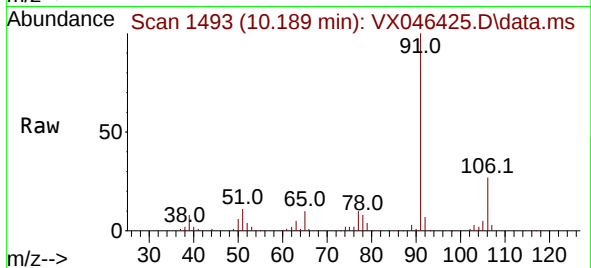
250528063-01

Tgt Ion: 91 Resp: 46558

Ion Ratio Lower Upper

91 100

106 26.6 23.4 35.2



#68

m/p-Xylenes

Concen: 5.179 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX046425.D

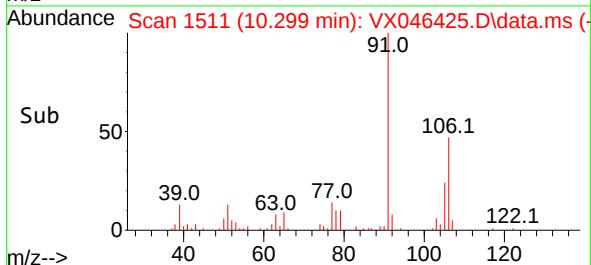
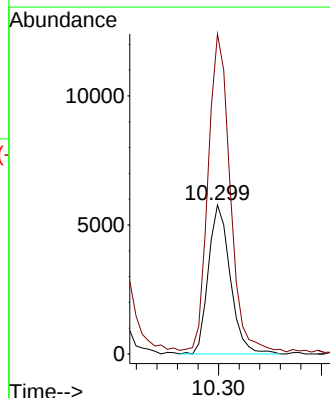
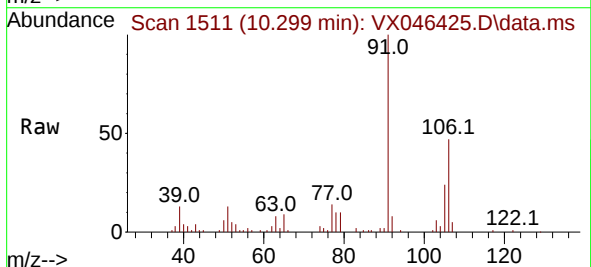
Acq: 30 May 2025 16:36

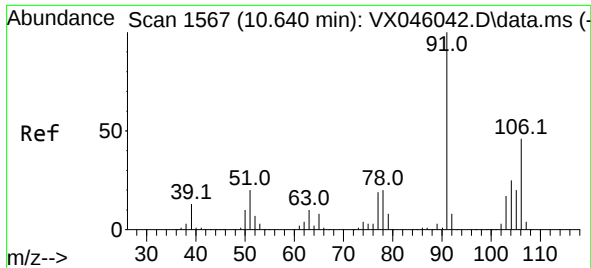
Tgt Ion: 106 Resp: 8529

Ion Ratio Lower Upper

106 100

91 215.8 171.2 256.8

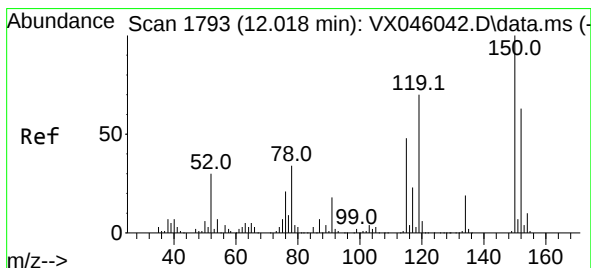
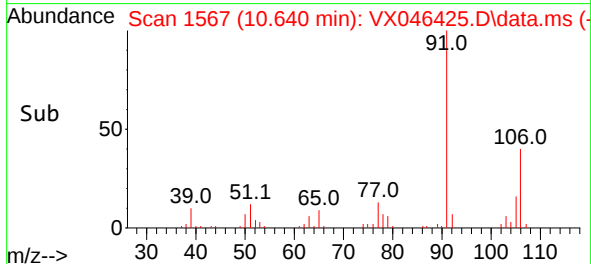
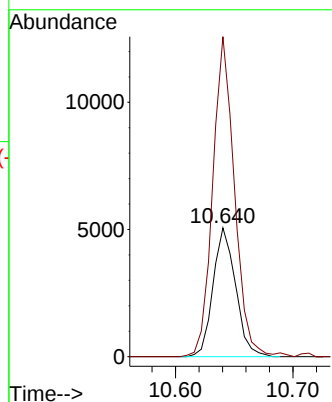
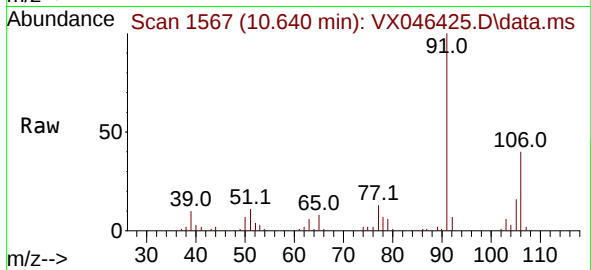




#69
o-Xylene
Concen: 4.206 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

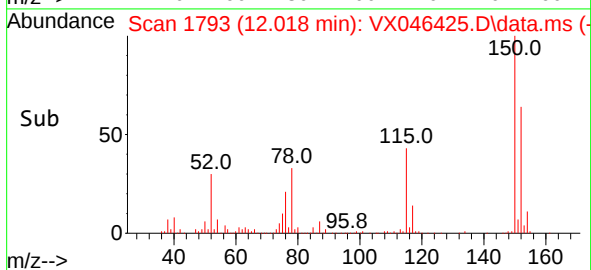
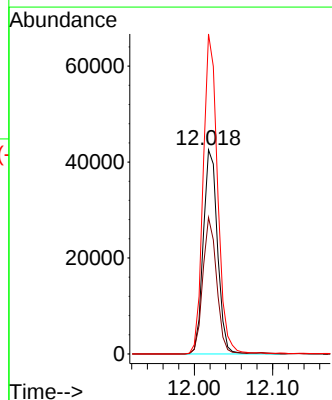
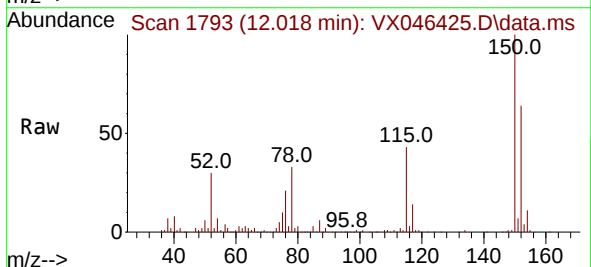
Instrument :
MSVOA_X
ClientSampleId :
250528063-01

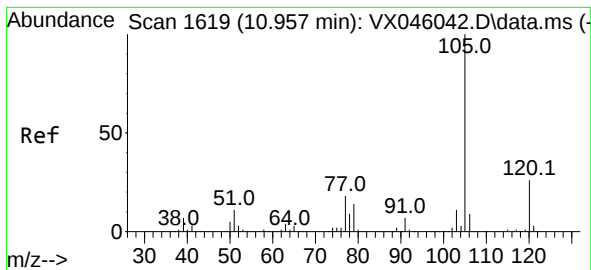
Tgt Ion:106 Resp: 6753
Ion Ratio Lower Upper
106 100
91 240.4 112.7 338.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion:152 Resp: 53676
Ion Ratio Lower Upper
152 100
115 64.9 46.9 140.7
150 158.8 0.0 351.0





#73

Isopropylbenzene

Concen: 1.736 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046425.D

Acq: 30 May 2025 16:36

Instrument :

MSVOA_X

ClientSampleId :

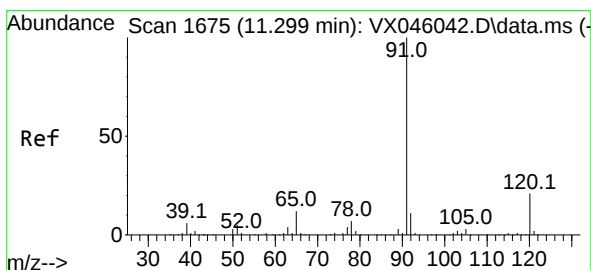
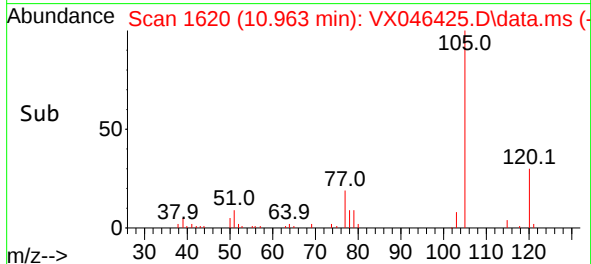
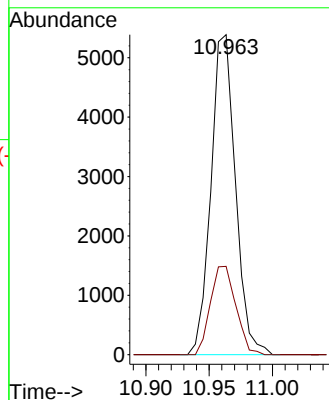
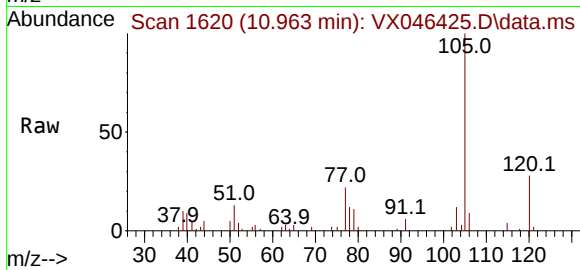
250528063-01

Tgt Ion:105 Resp: 7256

Ion Ratio Lower Upper

105 100

120 28.7 12.8 38.4



#78

n-propylbenzene

Concen: 0.810 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX046425.D

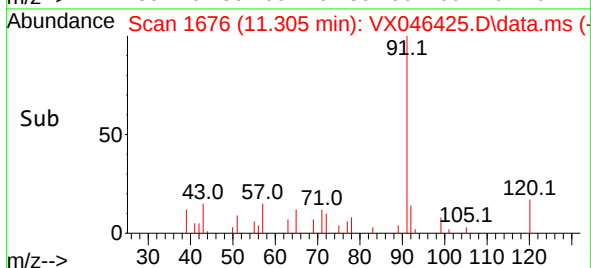
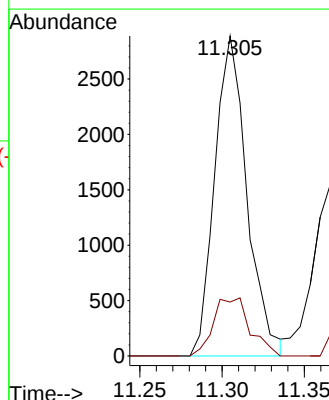
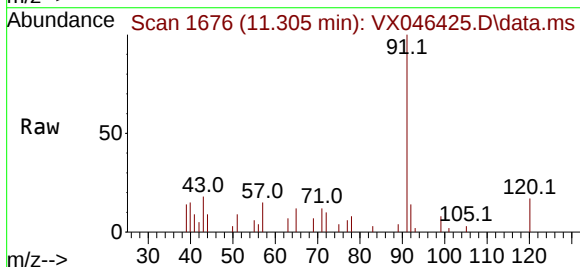
Acq: 30 May 2025 16:36

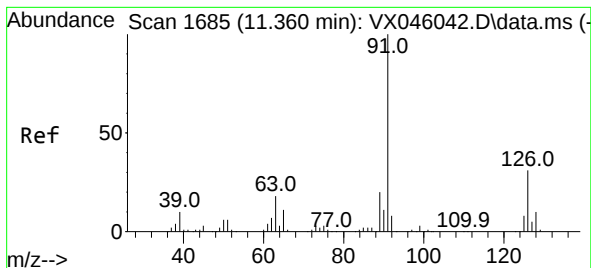
Tgt Ion: 91 Resp: 3934

Ion Ratio Lower Upper

91 100

120 20.6 10.8 32.4





#79

2-Chlorotoluene

Concen: 0.851 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046425.D

Acq: 30 May 2025 16:36

Instrument :

MSVOA_X

ClientSampleId :

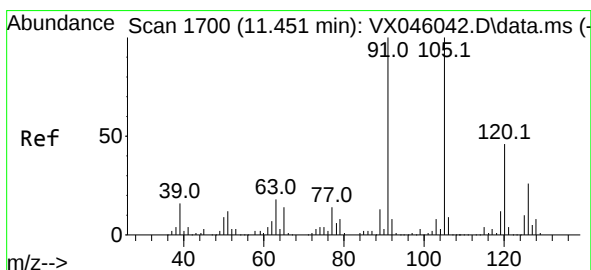
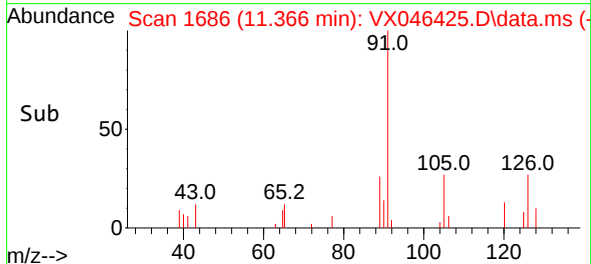
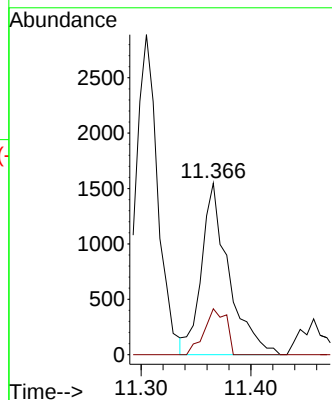
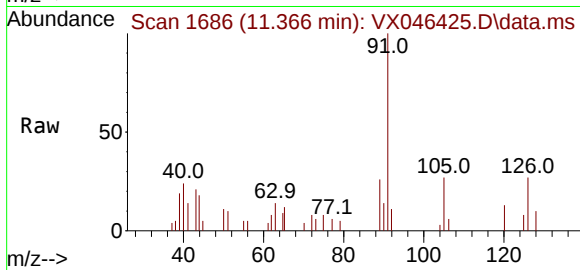
250528063-01

Tgt Ion: 91 Resp: 2668

Ion Ratio Lower Upper

91 100

126 21.8 15.6 46.7



#80

1,3,5-Trimethylbenzene

Concen: 0.574 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046425.D

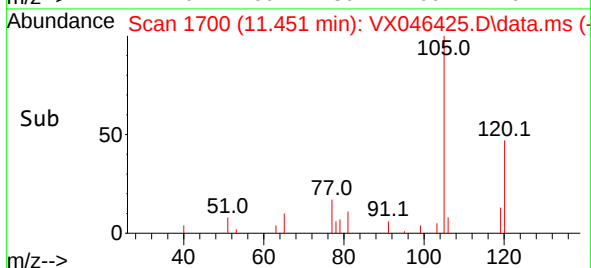
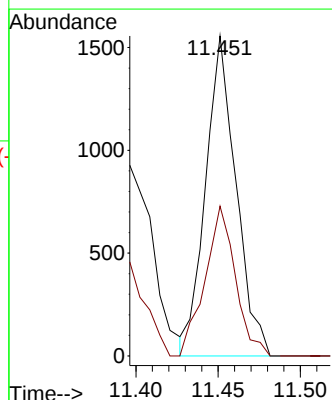
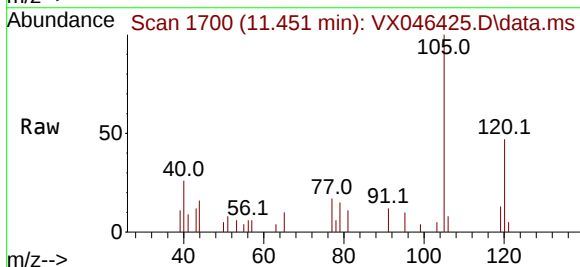
Acq: 30 May 2025 16:36

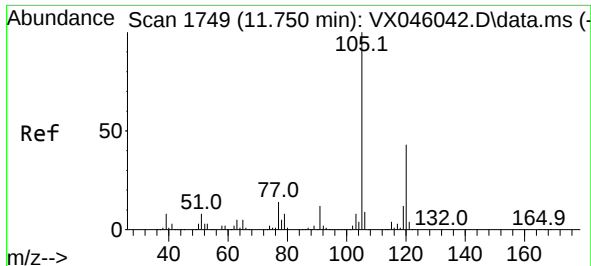
Tgt Ion: 105 Resp: 2003

Ion Ratio Lower Upper

105 100

120 46.8 23.1 69.2

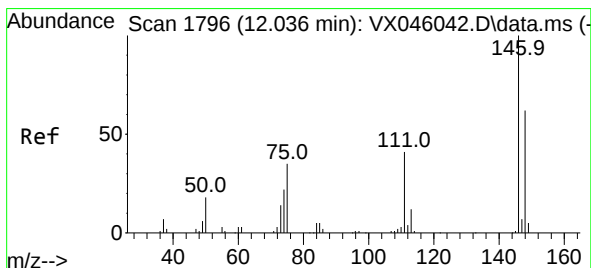
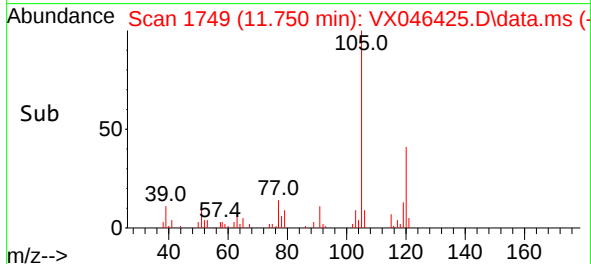
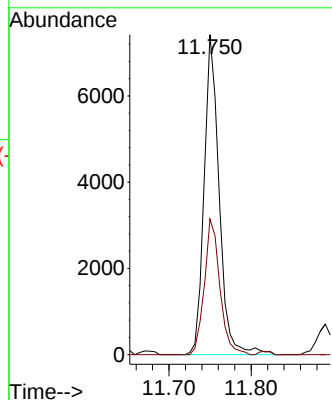
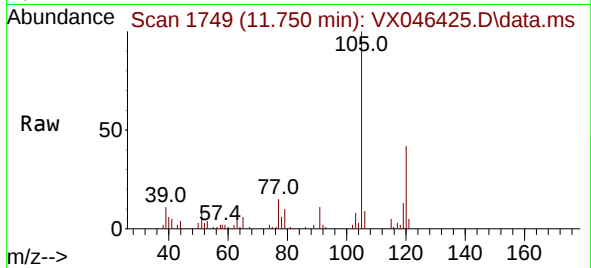




#84
 1,2,4-Trimethylbenzene
 Concen: 2.671 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX046425.D
 Acq: 30 May 2025 16:36

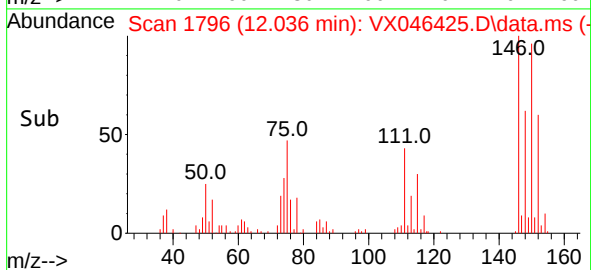
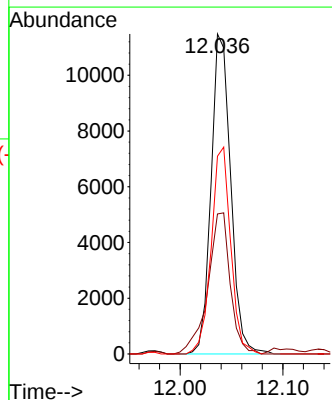
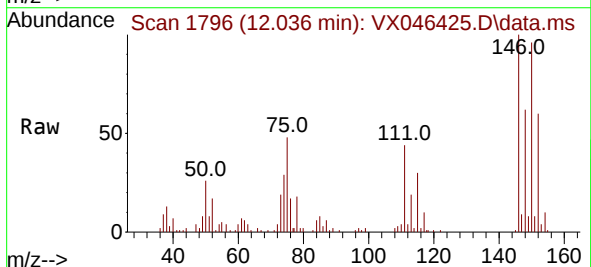
Instrument :
 MSVOA_X
 ClientSampleId :
 250528063-01

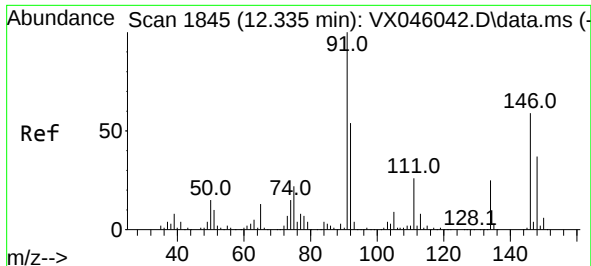
Tgt Ion:105 Resp: 9442
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.2 63.6



#88
 1,4-Dichlorobenzene
 Concen: 8.396 ug/l
 RT: 12.036 min Scan# 1796
 Delta R.T. -0.000 min
 Lab File: VX046425.D
 Acq: 30 May 2025 16:36

Tgt Ion:146 Resp: 15182
 Ion Ratio Lower Upper
 146 100
 111 50.3 21.3 63.9
 148 64.4 31.9 95.5

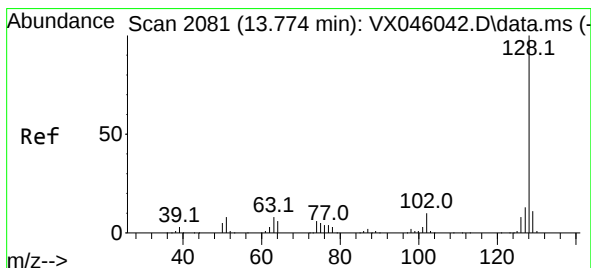
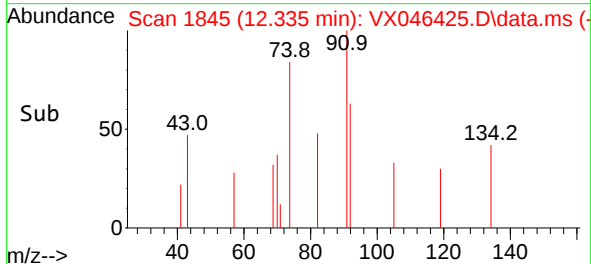
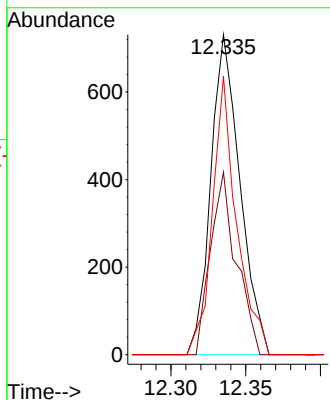
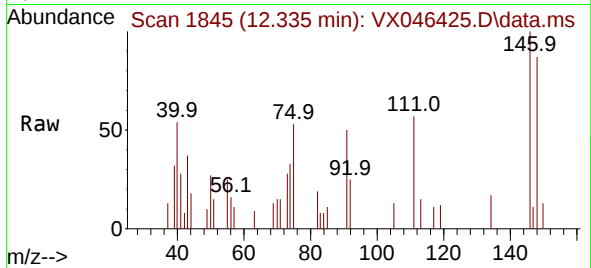




#91
1,2-Dichlorobenzene
Concen: 0.558 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
250528063-01

Tgt Ion:146 Resp: 992
Ion Ratio Lower Upper
146 100
111 50.5 22.4 67.3
148 72.1 31.6 94.8



#95
Naphthalene
Concen: 9.875 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046425.D
Acq: 30 May 2025 16:36

Tgt Ion:128 Resp: 36961
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 10.3 8.6 13.0

