

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048221.D
 Acq On : 17 Oct 2025 18:17
 Operator : JC/MD
 Sample : Q3362-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VOA 251015085-01

Quant Time: Oct 18 00:23:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

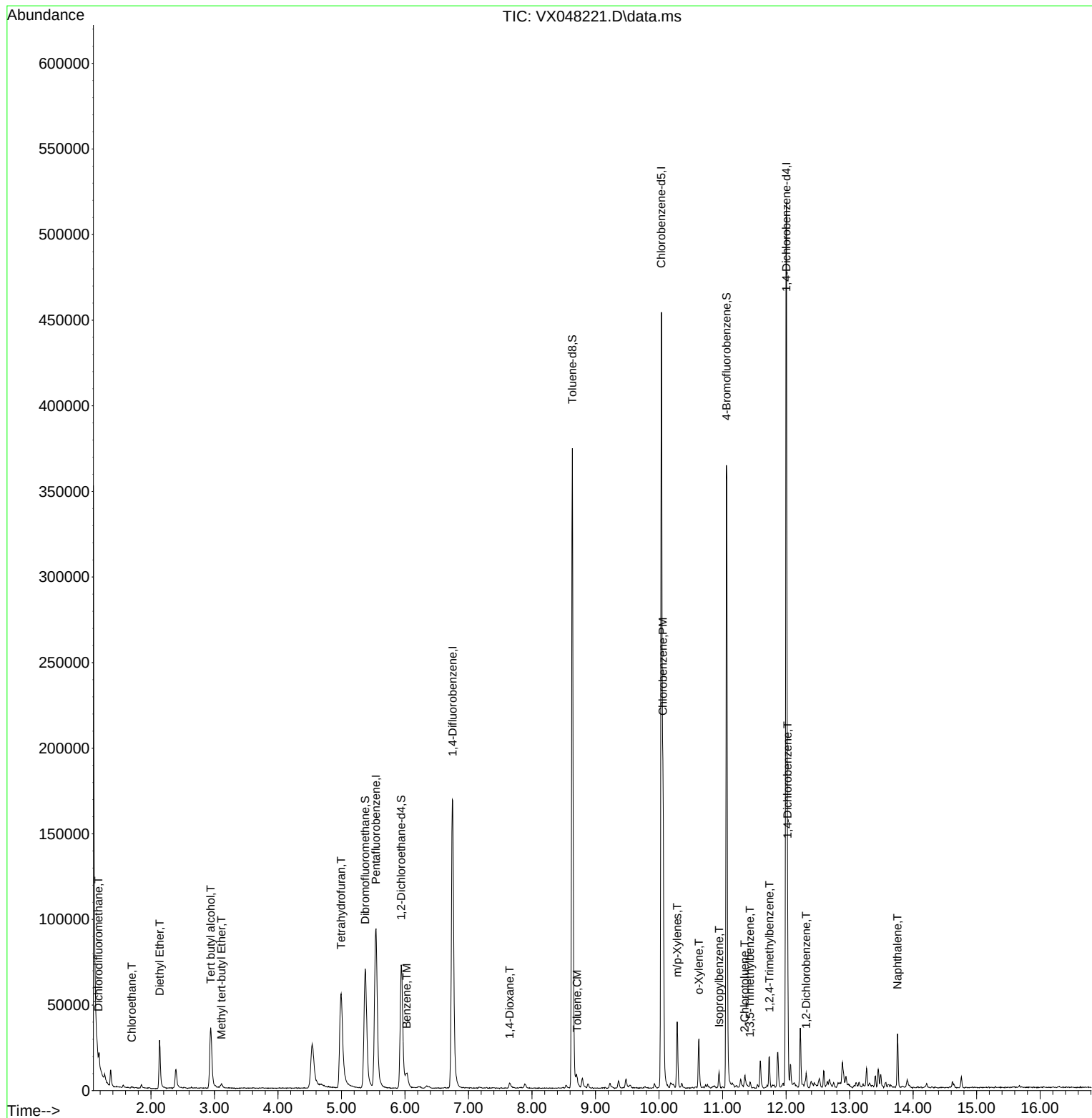
Internal Standards						
1) Pentafluorobenzene	5.544	168	97761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	190470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	206452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	112369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	81026	53.500	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.000%	
35) Dibromofluoromethane	5.373	113	68442	51.775	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.560%	
50) Toluene-d8	8.635	98	229561	48.204	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.400%	
62) 4-Bromofluorobenzene	11.061	95	105775	60.981	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 121.960%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	321	0.313	ug/l	91
6) Chloroethane	1.697	64	548	0.657	ug/l #	84
8) Diethyl Ether	2.136	74	11098	15.825	ug/l	93
11) Tert butyl alcohol	2.940	59	37150	369.684	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	2420	0.709	ug/l #	79
29) Tetrahydrofuran	4.995	42	59622	168.672	ug/l	96
40) Benzene	6.025	78	9451	1.709	ug/l	96
49) 1,4-Dioxane	7.647	88	2455	213.263	ug/l #	94
52) Toluene	8.708	92	1464	0.441	ug/l	95
65) Chlorobenzene	10.061	112	73129	16.200	ug/l	100
68) m/p-Xylenes	10.287	106	8633	2.994	ug/l	96
69) o-Xylene	10.628	106	6618	2.438	ug/l	99
73) Isopropylbenzene	10.945	105	4468	0.572	ug/l	99
79) 2-Chlorotoluene	11.347	91	2902	0.507	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	1508	0.235	ug/l	91
84) 1,2,4-Trimethylbenzene	11.738	105	8309	1.301	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	26585	7.012	ug/l	95
91) 1,2-Dichlorobenzene	12.317	146	1899	0.550	ug/l	97
95) Naphthalene	13.756	128	19310	3.591	ug/l	100

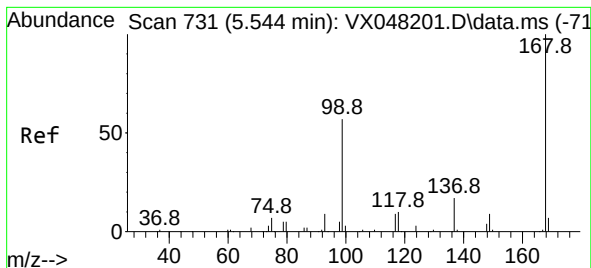
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 18 00:06:31 2025
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX048221.D

Acq: 17 Oct 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

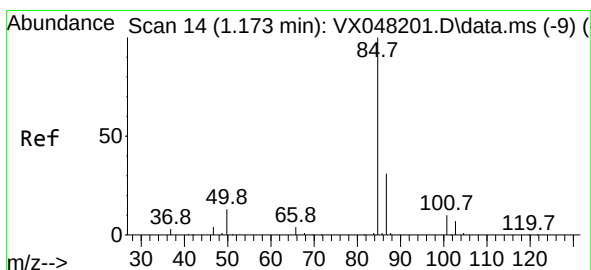
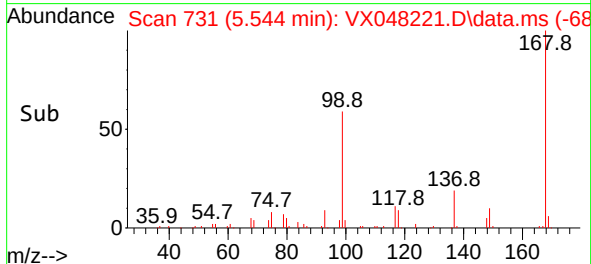
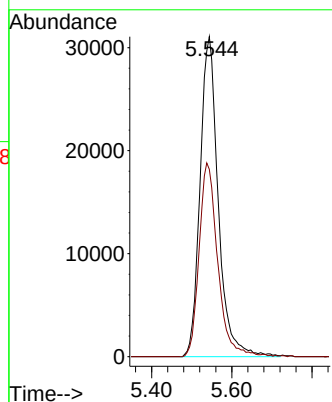
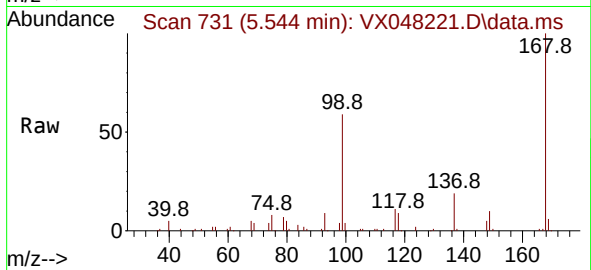
VOA 251015085-01

Tgt Ion:168 Resp: 97761

Ion Ratio Lower Upper

168 100

99 58.6 46.4 69.6



#2

Dichlorodifluoromethane

Concen: 0.313 ug/l

RT: 1.172 min Scan# 14

Delta R.T. -0.000 min

Lab File: VX048221.D

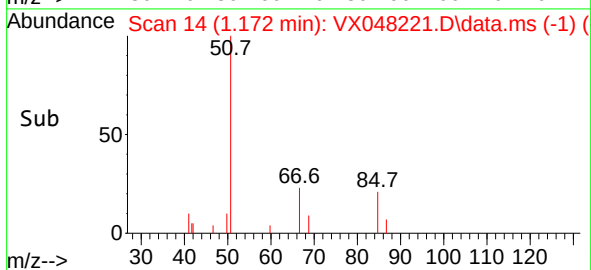
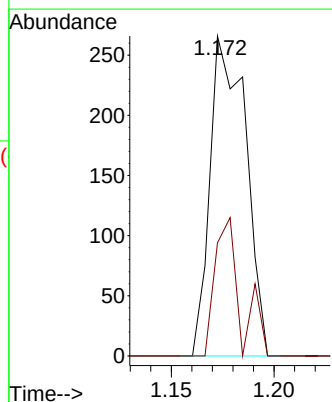
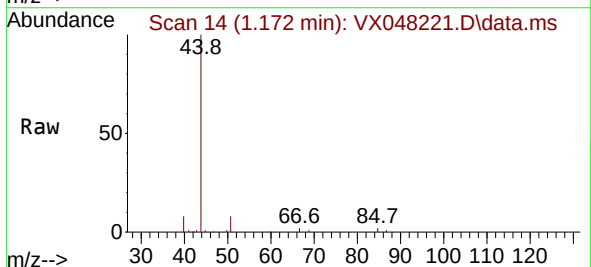
Acq: 17 Oct 2025 18:17

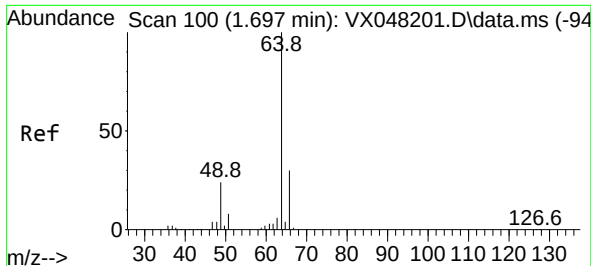
Tgt Ion: 85 Resp: 321

Ion Ratio Lower Upper

85 100

87 35.3 15.3 45.9

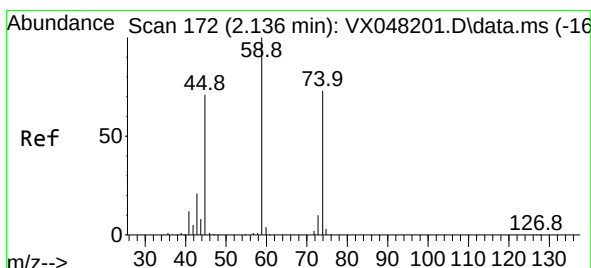
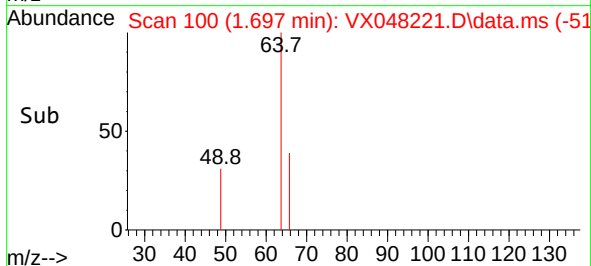
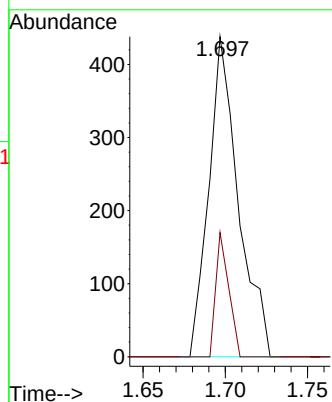
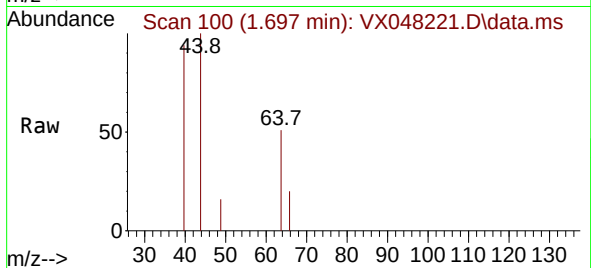




#6
Chloroethane
Concen: 0.657 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

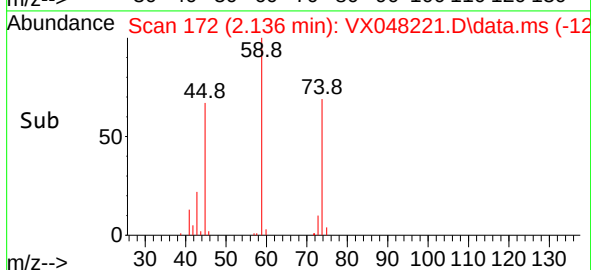
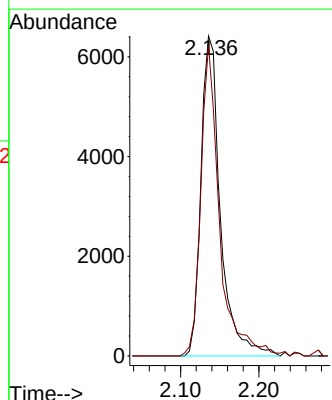
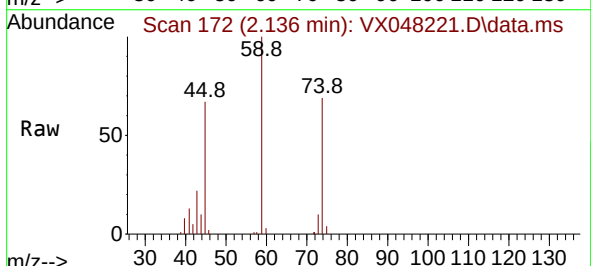
Instrument :
MSVOA_X
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VOA 251015085-01

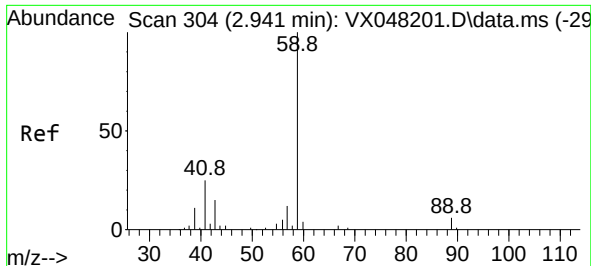
Tgt Ion: 64 Resp: 548
Ion Ratio Lower Upper
64 100
66 38.8 23.9 35.9#



#8
Diethyl Ether
Concen: 15.825 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion: 74 Resp: 11098
Ion Ratio Lower Upper
74 100
45 93.1 50.0 149.8

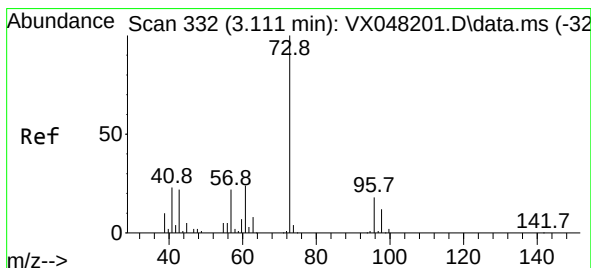
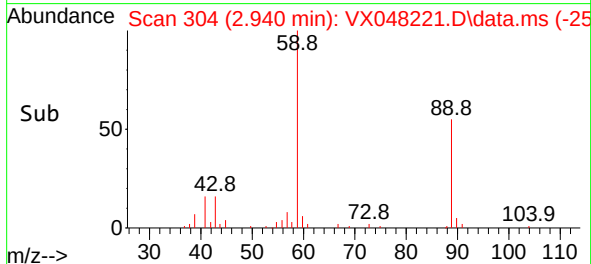
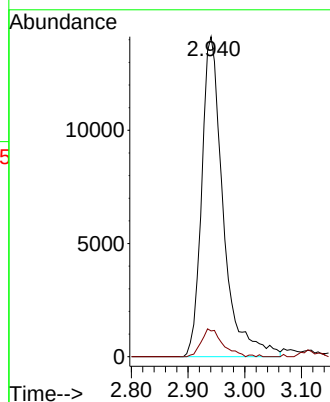
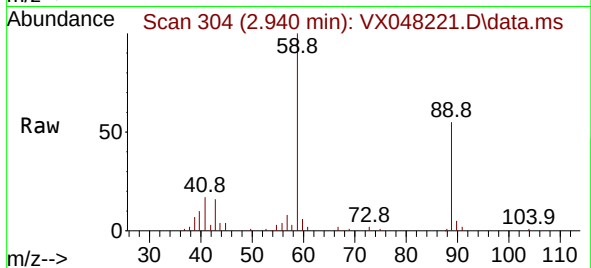




#11
Tert butyl alcohol
Concen: 369.684 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

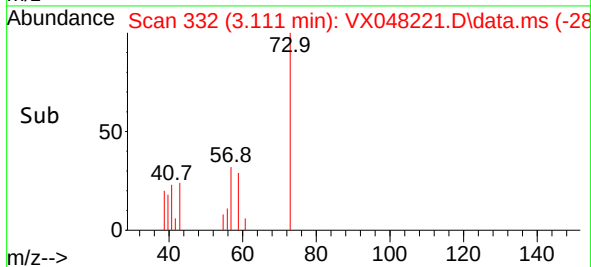
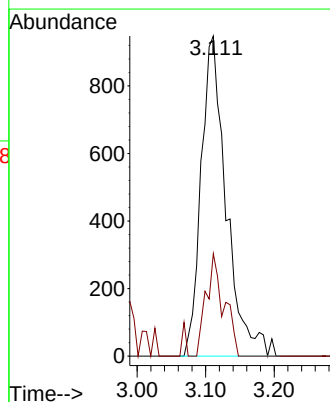
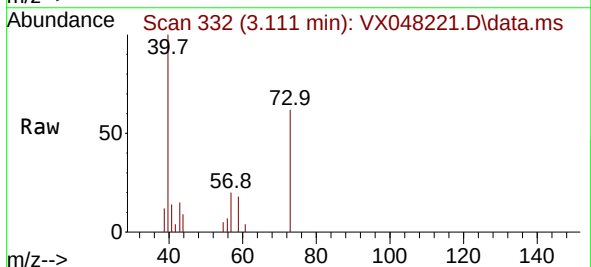
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

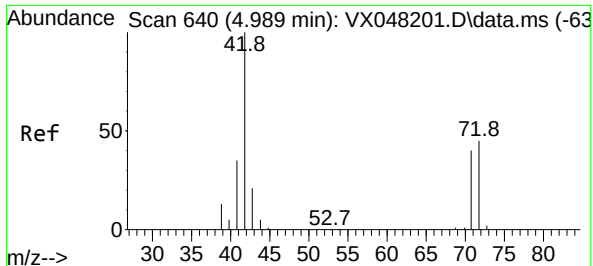
Tgt Ion: 59 Resp: 37150
Ion Ratio Lower Upper
59 100
57 8.5 8.2 12.4



#19
Methyl tert-butyl Ether
Concen: 0.709 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion: 73 Resp: 2420
Ion Ratio Lower Upper
73 100
57 32.0 17.7 26.5#





#29

Tetrahydrofuran

Concen: 168.672 ug/l

RT: 4.995 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX048221.D

Acq: 17 Oct 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

VOA 251015085-01

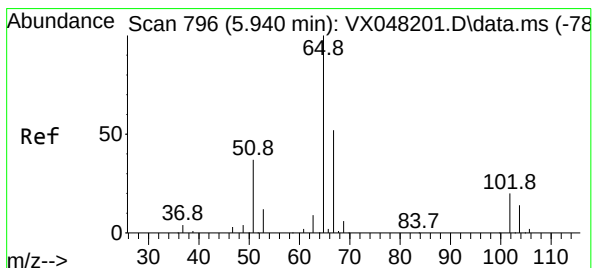
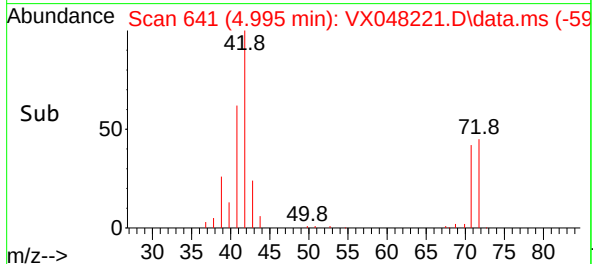
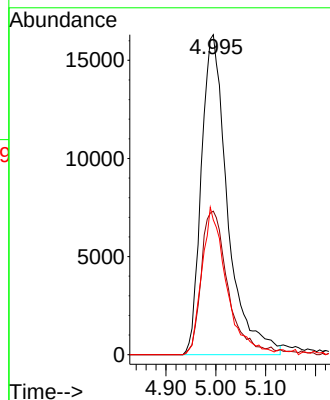
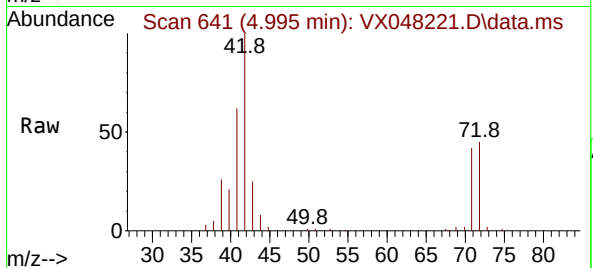
Tgt Ion: 42 Resp: 59622

Ion Ratio Lower Upper

42 100

72 46.7 35.3 52.9

71 43.2 32.2 48.4



#33

1,2-Dichloroethane-d4

Concen: 53.500 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048221.D

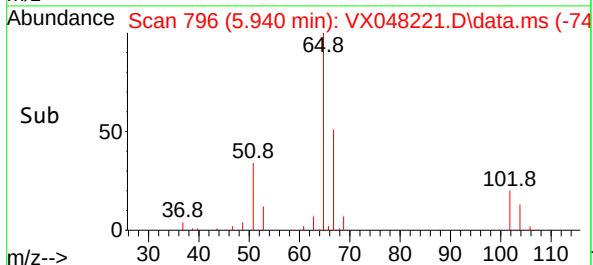
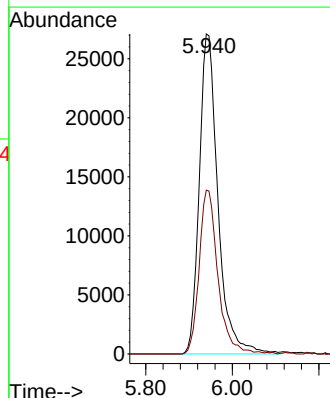
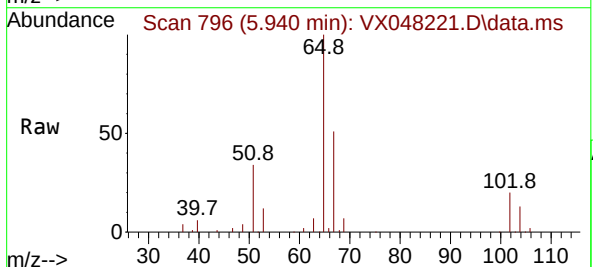
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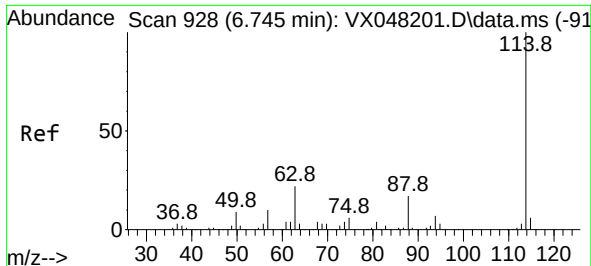
Tgt Ion: 65 Resp: 81026

Ion Ratio Lower Upper

65 100

67 51.3 0.0 105.0

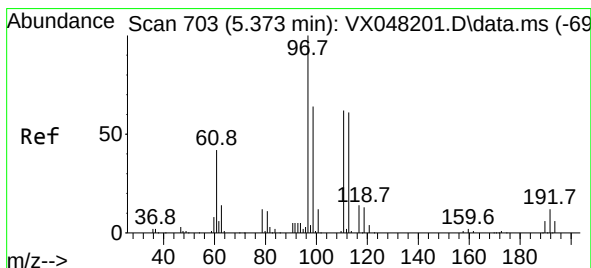
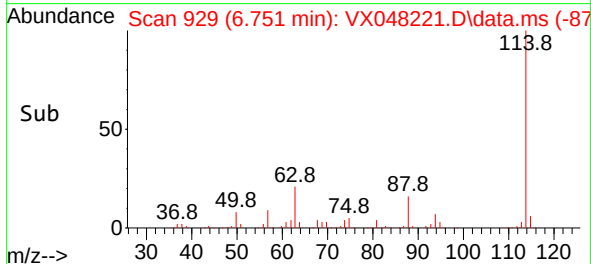
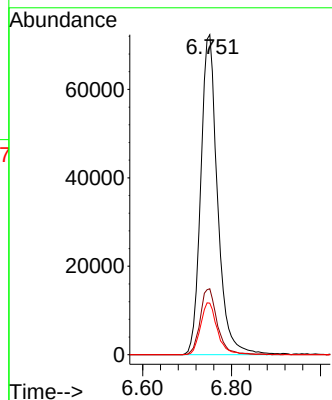
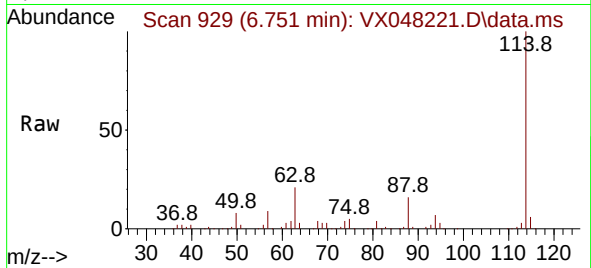




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

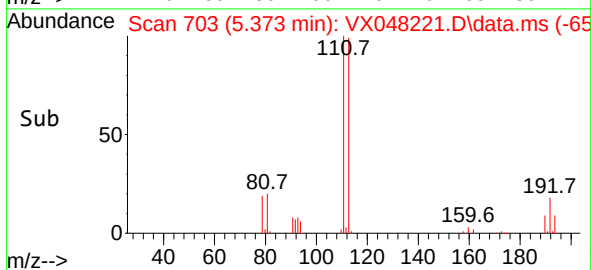
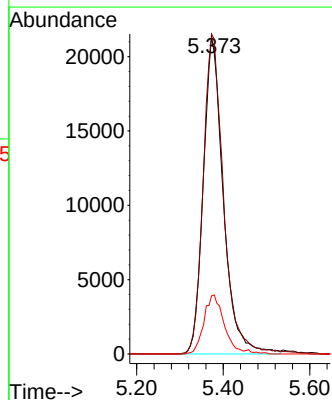
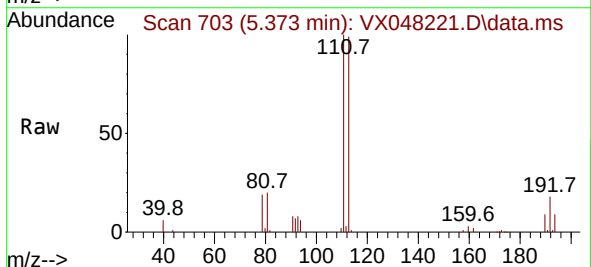
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

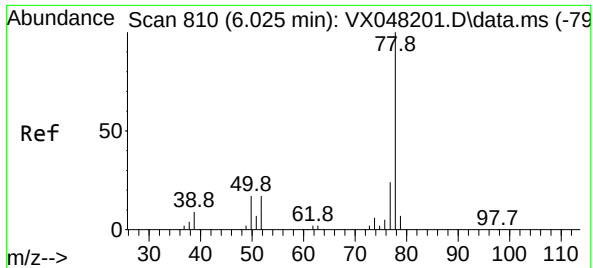
Tgt Ion:114 Resp: 190470
Ion Ratio Lower Upper
114 100
63 20.6 0.0 43.2
88 16.1 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.775 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion:113 Resp: 68442
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 19.2 15.1 22.7

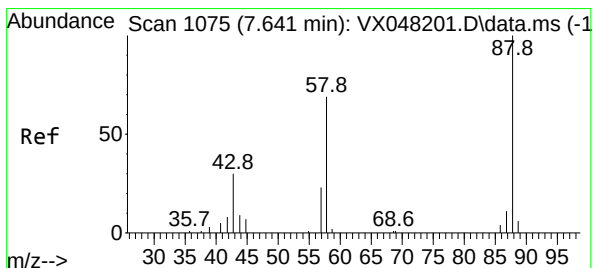
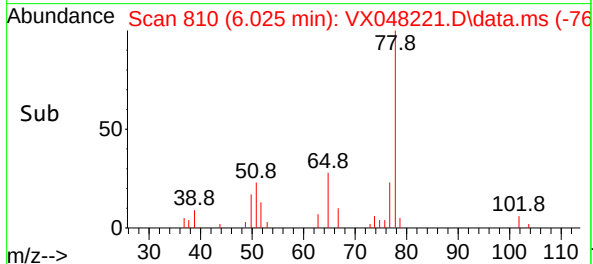
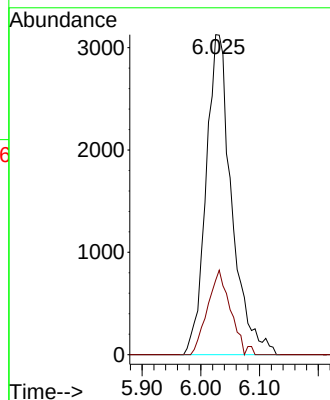
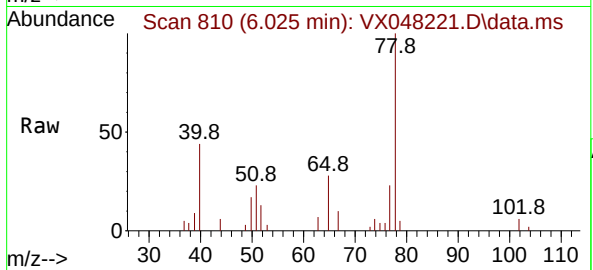




#40
Benzene
Concen: 1.709 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

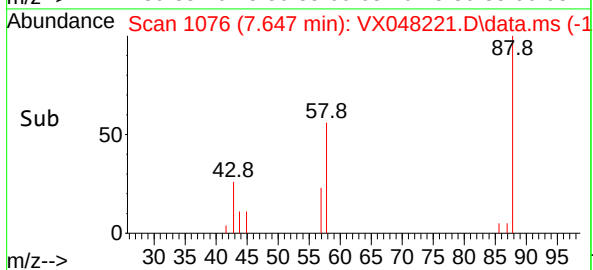
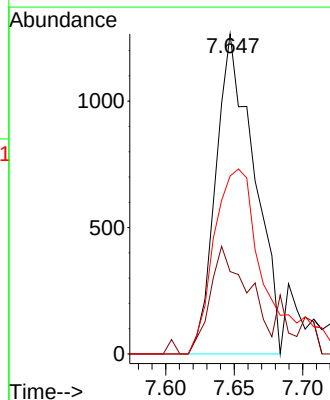
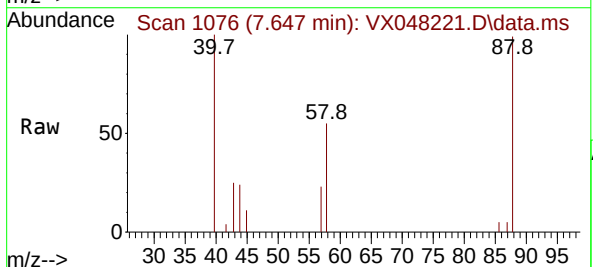
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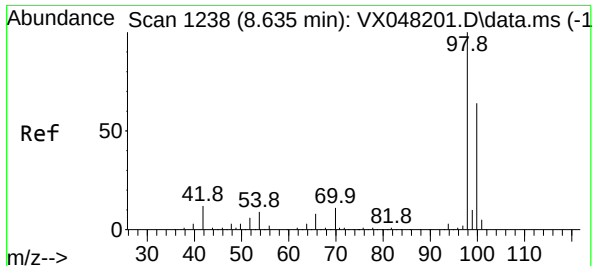
Tgt Ion: 78 Resp: 9451
Ion Ratio Lower Upper
78 100
77 22.2 19.3 28.9



#49
1,4-Dioxane
Concen: 213.263 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. 0.006 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion: 88 Resp: 2455
Ion Ratio Lower Upper
88 100
43 34.0 35.0 52.4#
58 77.6 61.9 92.9

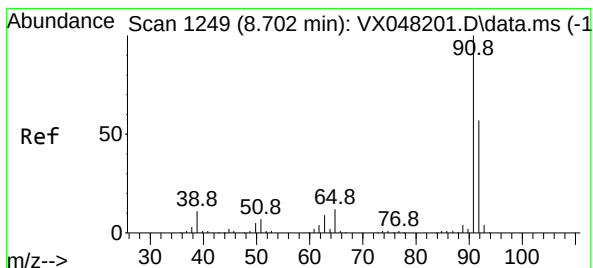
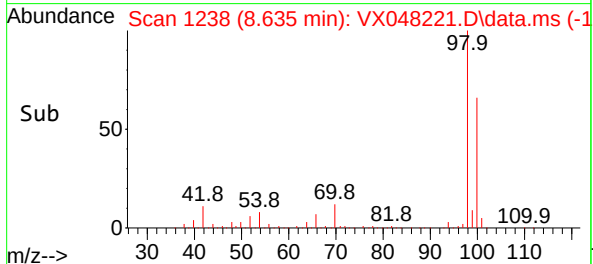
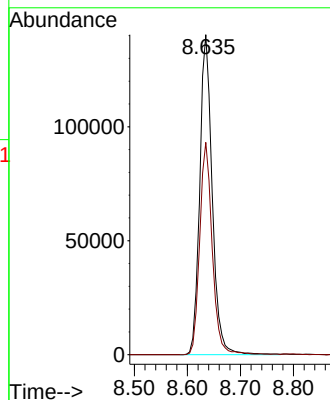
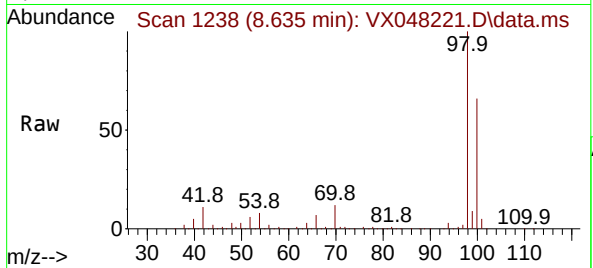




#50
Toluene-d8
Concen: 48.204 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

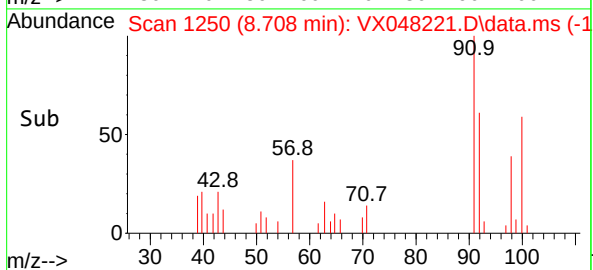
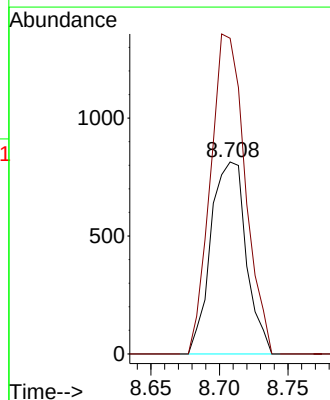
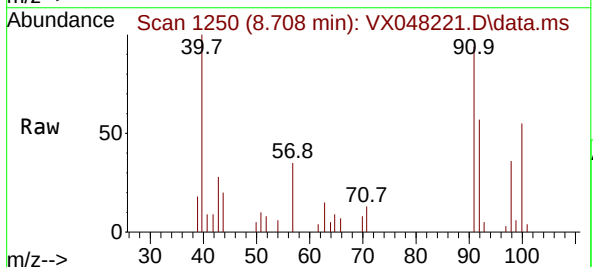
Instrument :
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VOA 251015085-01

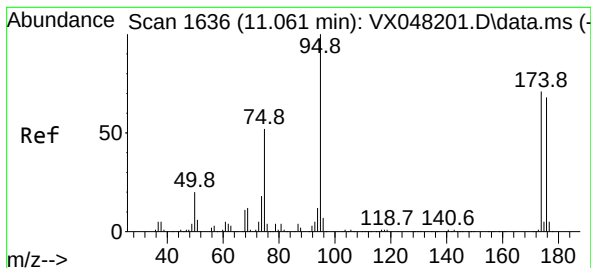
Tgt Ion: 98 Resp: 229561
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#52
Toluene
Concen: 0.441 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion: 92 Resp: 1464
Ion Ratio Lower Upper
92 100
91 162.9 136.1 204.1

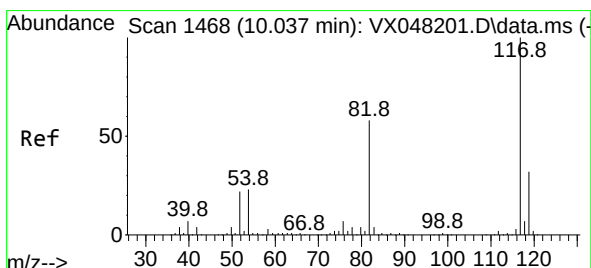
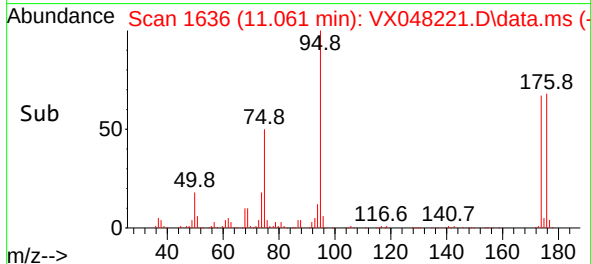
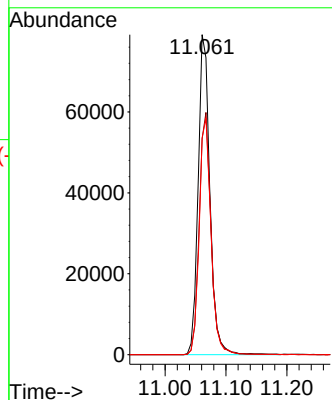
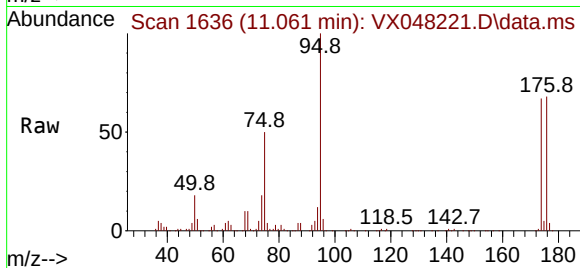




#62
4-Bromofluorobenzene
Concen: 60.981 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

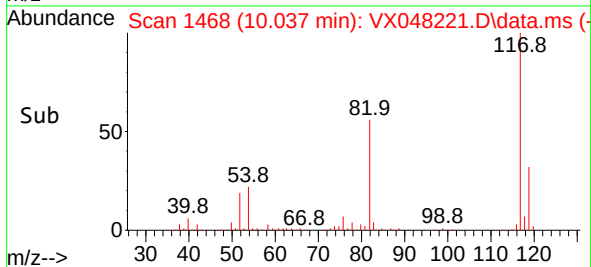
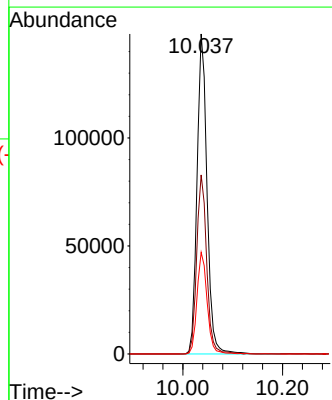
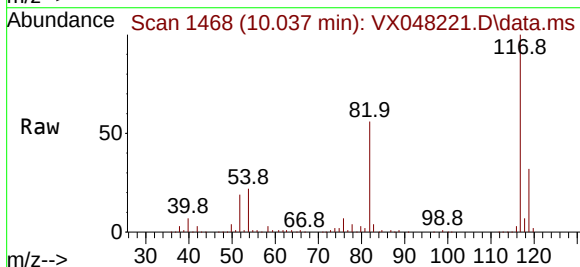
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

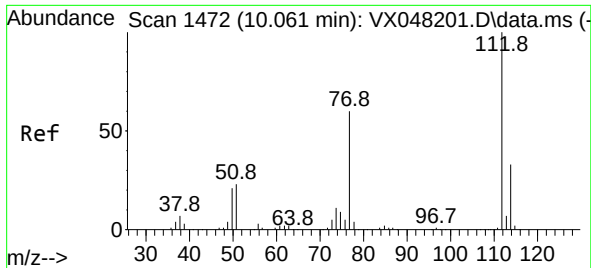
Tgt Ion: 95 Resp: 105775
Ion Ratio Lower Upper
95 100
174 76.0 0.0 147.8
176 74.3 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion: 117 Resp: 206452
Ion Ratio Lower Upper
117 100
82 55.9 46.5 69.7
119 31.8 25.9 38.9

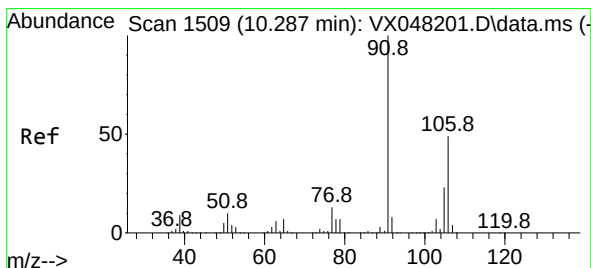
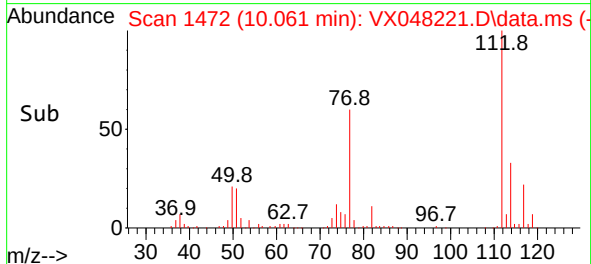
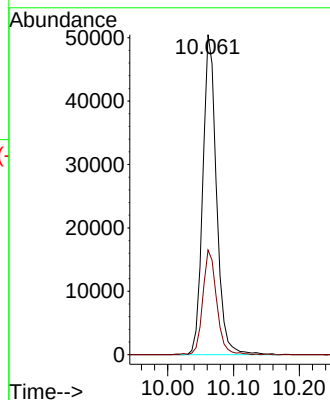
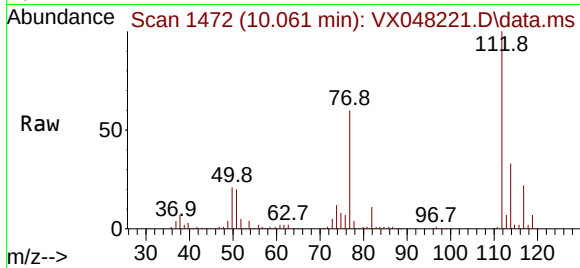




#65
Chlorobenzene
Concen: 16.200 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

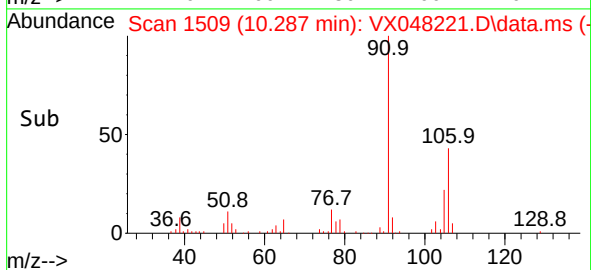
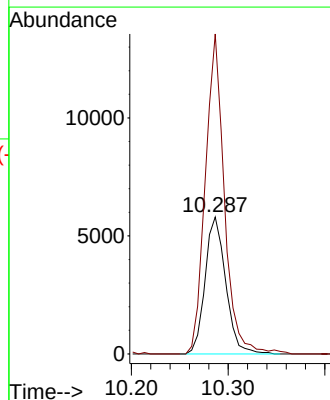
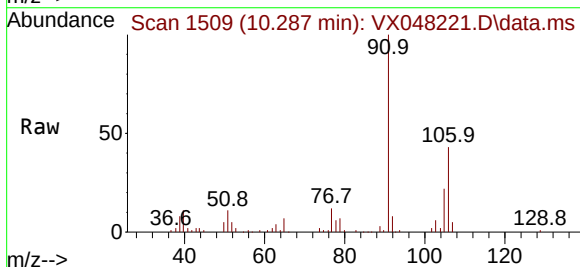
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

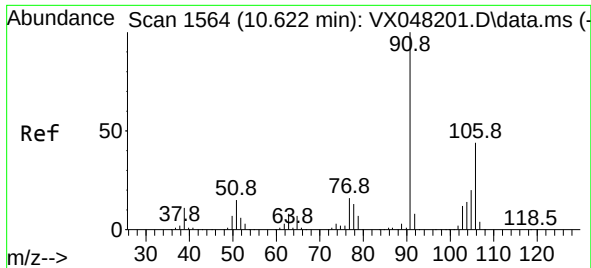
Tgt Ion:112 Resp: 73129
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2



#68
m/p-Xylenes
Concen: 2.994 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion:106 Resp: 8633
Ion Ratio Lower Upper
106 100
91 216.0 167.9 251.9

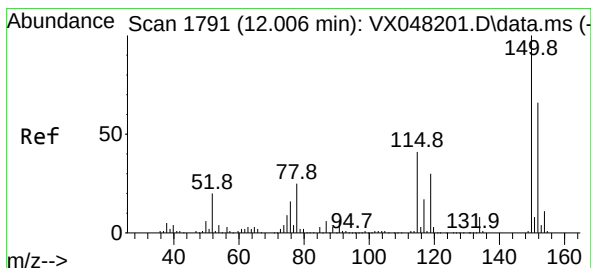
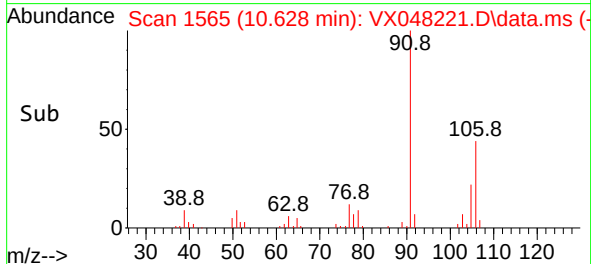
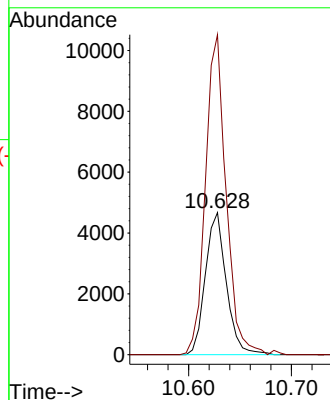
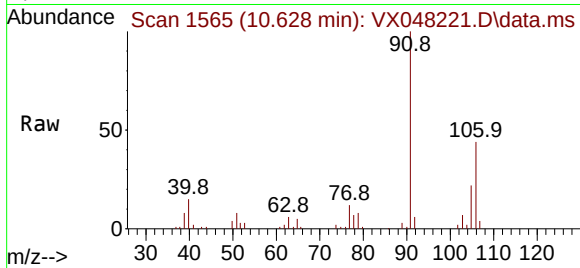




#69
o-Xylene
Concen: 2.438 ug/l
RT: 10.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

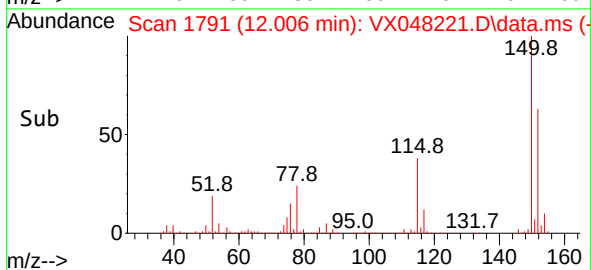
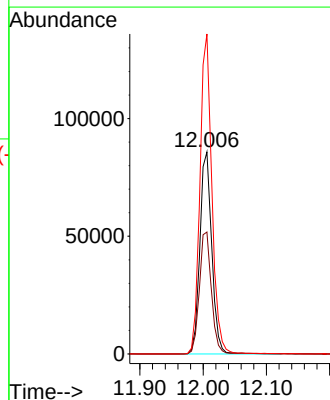
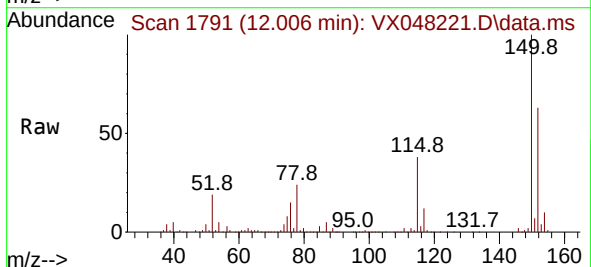
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

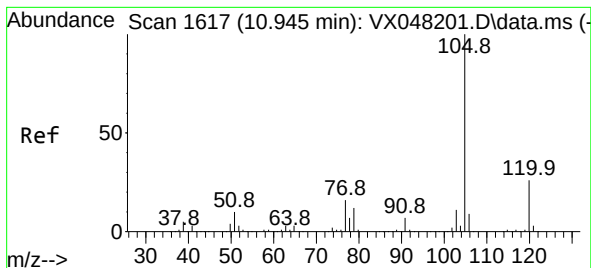
Tgt Ion:106 Resp: 6618
Ion Ratio Lower Upper
106 100
91 220.8 111.3 333.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion:152 Resp: 112369
Ion Ratio Lower Upper
152 100
115 61.0 43.1 129.4
150 159.0 0.0 353.0





#73

Isopropylbenzene

Concen: 0.572 ug/l

RT: 10.945 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VX048221.D

Acq: 17 Oct 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

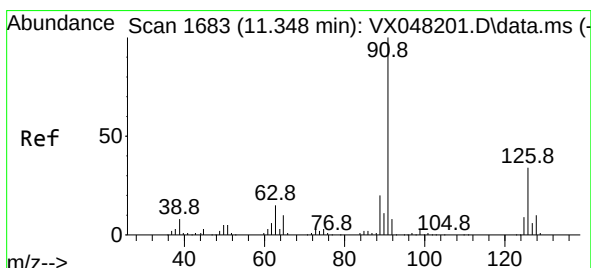
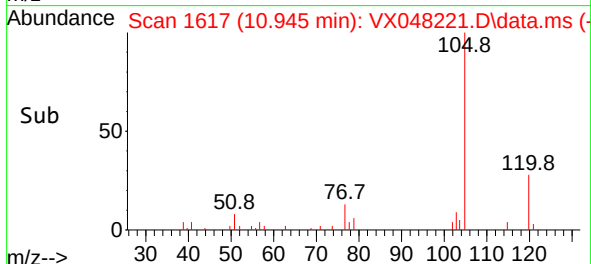
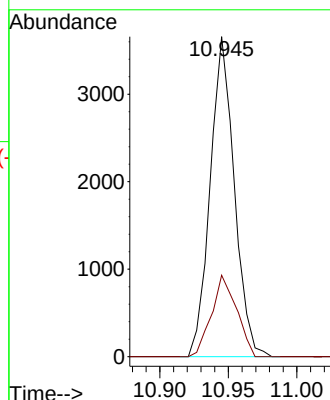
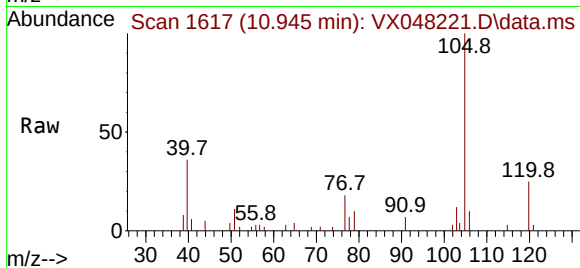
VOA 251015085-01

Tgt Ion:105 Resp: 4468

Ion Ratio Lower Upper

105 100

120 26.4 13.0 38.9



#79

2-Chlorotoluene

Concen: 0.507 ug/l

RT: 11.347 min Scan# 1683

Delta R.T. -0.000 min

Lab File: VX048221.D

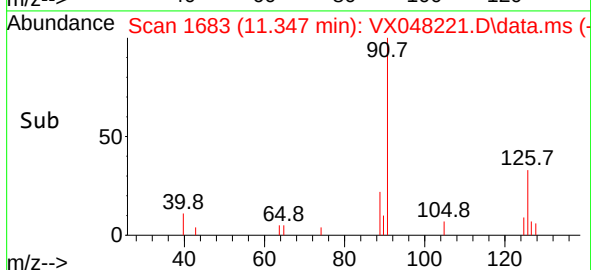
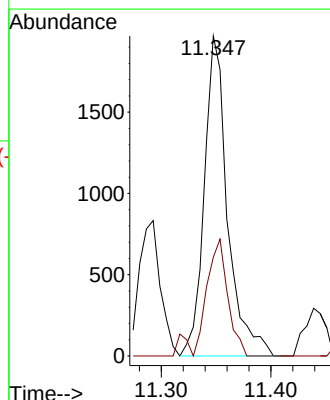
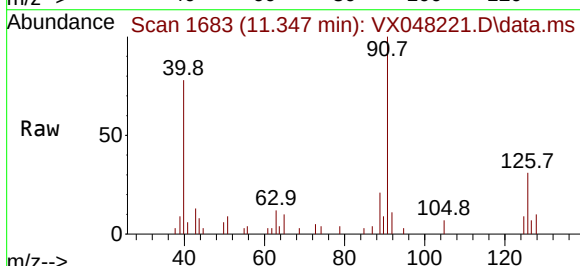
Acq: 17 Oct 2025 18:17

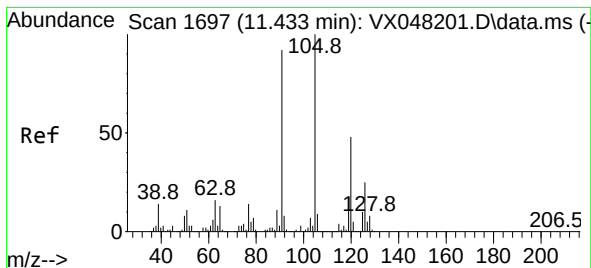
Tgt Ion: 91 Resp: 2902

Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.4





#80

1,3,5-Trimethylbenzene

Concen: 0.235 ug/l

RT: 11.433 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048221.D

Acq: 17 Oct 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

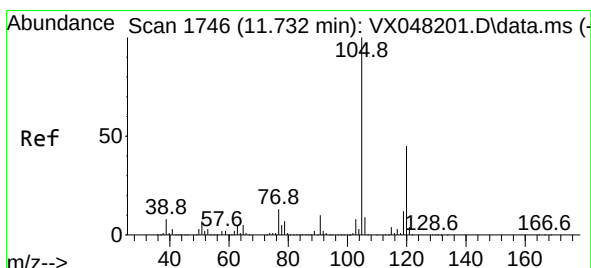
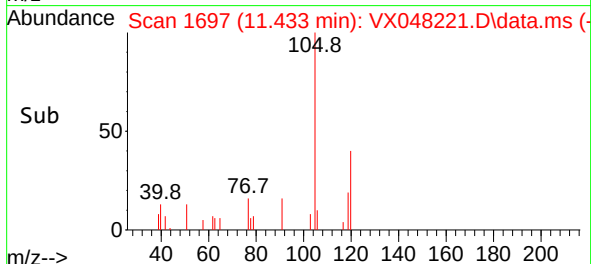
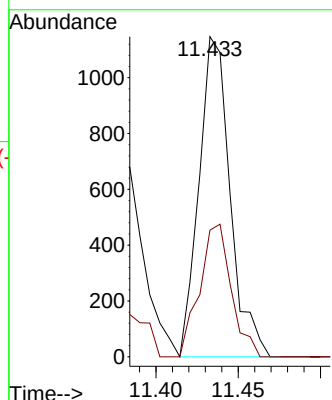
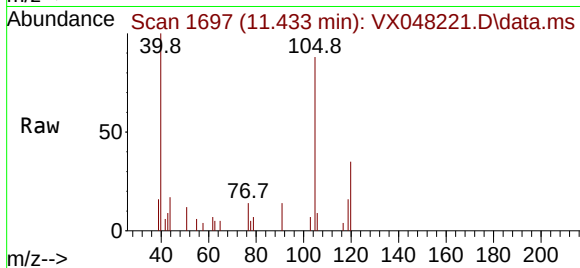
VOA 251015085-01

Tgt Ion:105 Resp: 1508

Ion Ratio Lower Upper

105 100

120 41.9 24.0 72.0



#84

1,2,4-Trimethylbenzene

Concen: 1.301 ug/l

RT: 11.738 min Scan# 1747

Delta R.T. 0.006 min

Lab File: VX048221.D

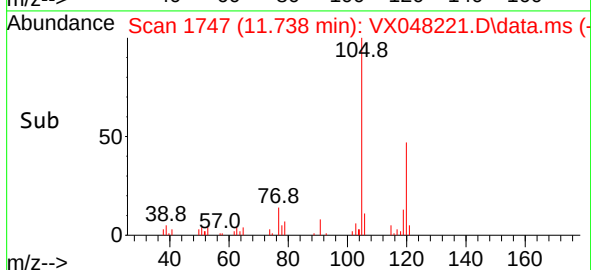
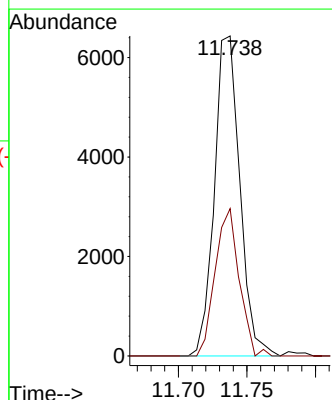
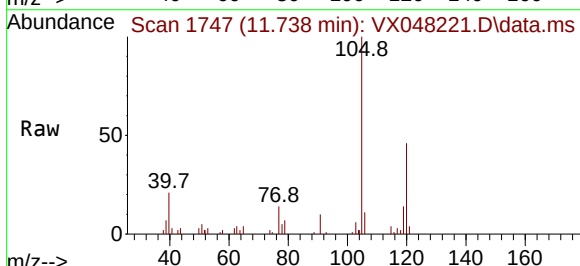
Acq: 17 Oct 2025 18:17

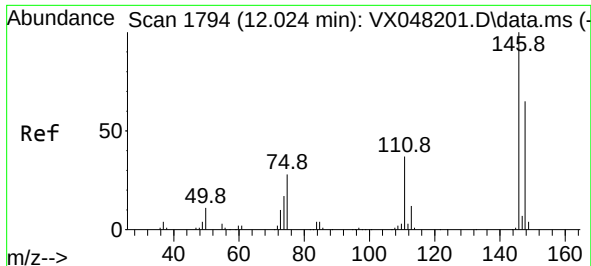
Tgt Ion:105 Resp: 8309

Ion Ratio Lower Upper

105 100

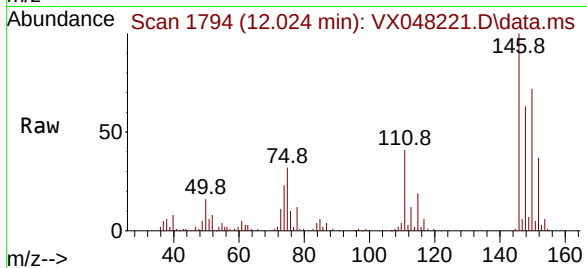
120 43.4 22.1 66.5



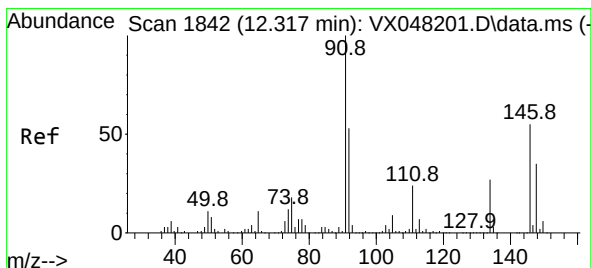
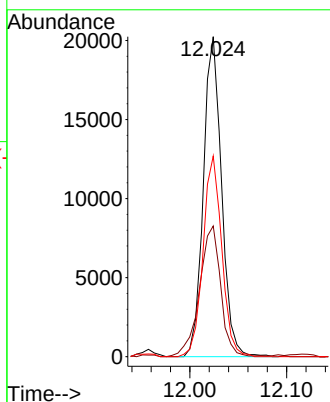
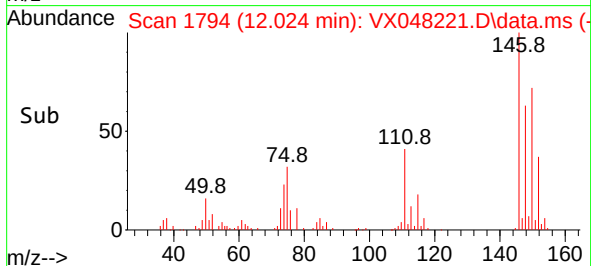


#88
1,4-Dichlorobenzene
Concen: 7.012 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

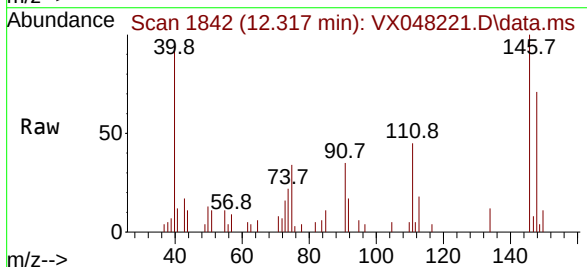
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01



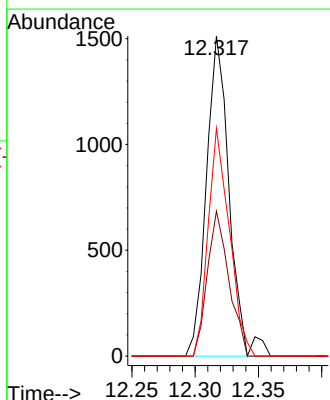
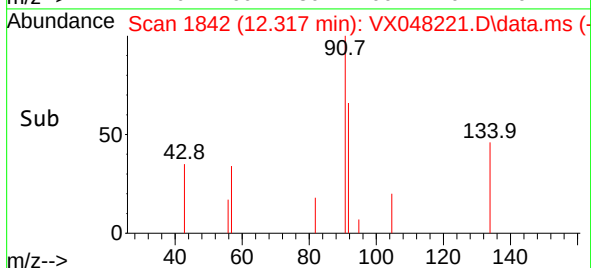
Tgt Ion:146 Resp: 26585
Ion Ratio Lower Upper
146 100
111 47.5 20.1 60.2
148 64.3 31.8 95.3

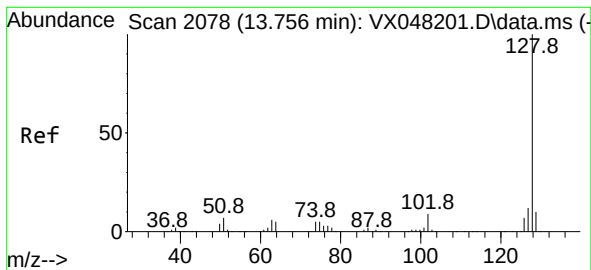


#91
1,2-Dichlorobenzene
Concen: 0.550 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17



Tgt Ion:146 Resp: 1899
Ion Ratio Lower Upper
146 100
111 42.7 21.9 65.5
148 66.2 31.9 95.5





#95

Naphthalene

Concen: 3.591 ug/l

RT: 13.756 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX048221.D

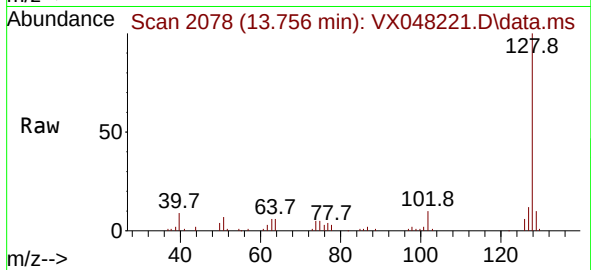
Acq: 17 Oct 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

VOA 251015085-01



Tgt Ion:128 Resp: 19310

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.4 8.6 12.8

