

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102325\
 Data File : VX048321.D
 Acq On : 23 Oct 2025 13:43
 Operator : JC/MD
 Sample : Q3404-04
 Misc : 2.29g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MOO-25-0292

Quant Time: Oct 23 14:31:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	101785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	209726	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	221810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	120059	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	93783	65.716	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	131.440%#
35) Dibromofluoromethane	5.367	113	62534	43.675	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.360%
50) Toluene-d8	8.635	98	260670	51.941	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.880%
62) 4-Bromofluorobenzene	11.061	95	115524	60.509	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	121.020%

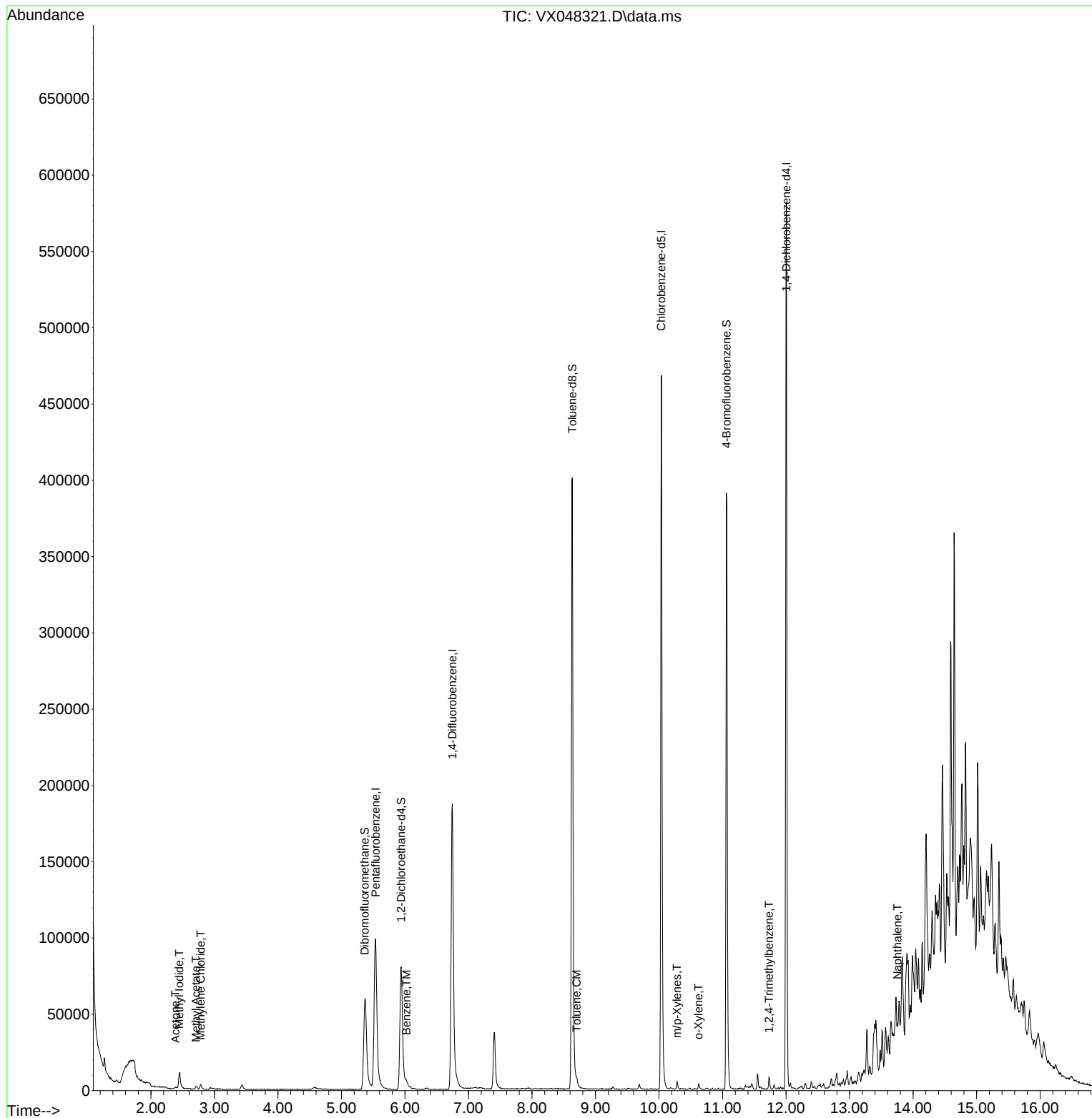
Target Compounds					Qvalue	
10) Methyl Iodide	2.447	142	12801	9.271	ug/l	98
16) Acetone	2.386	43	1870	3.820	ug/l #	69
18) Methyl Acetate	2.709	43	3414	3.339	ug/l #	84
20) Methylene Chloride	2.782	84	1489	1.248	ug/l #	91
40) Benzene	6.019	78	2733	0.463	ug/l	95
52) Toluene	8.702	92	1857	0.495	ug/l	89
68) m/p-Xylenes	10.281	106	1293	0.410	ug/l	95
69) o-Xylene	10.622	106	816	0.268	ug/l	96
84) 1,2,4-Trimethylbenzene	11.732	105	3728	0.515	ug/l	94
95) Naphthalene	13.756	128	13717	1.967	ug/l #	83

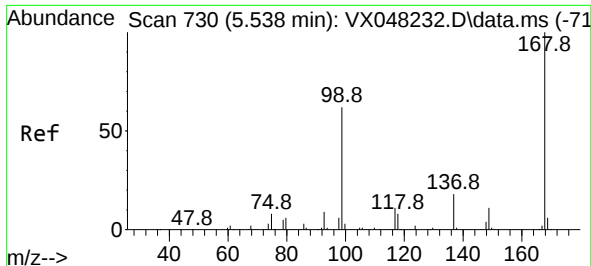
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

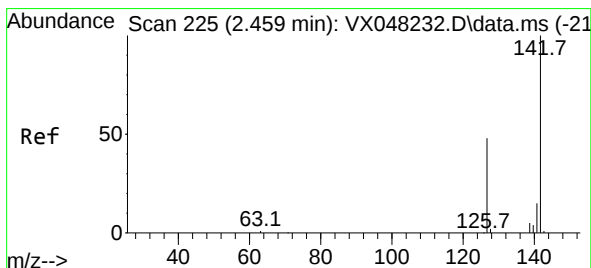
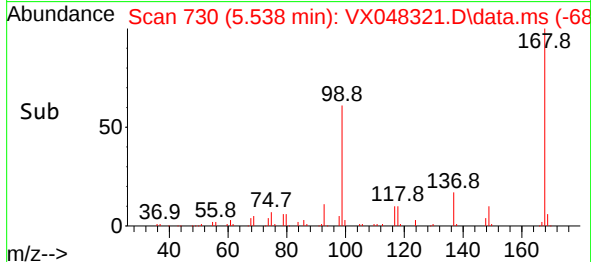
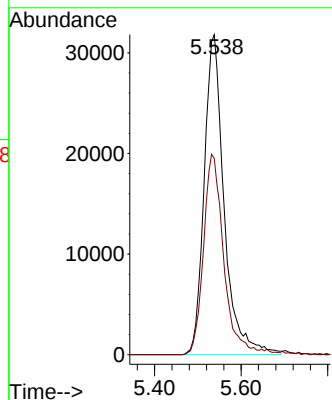
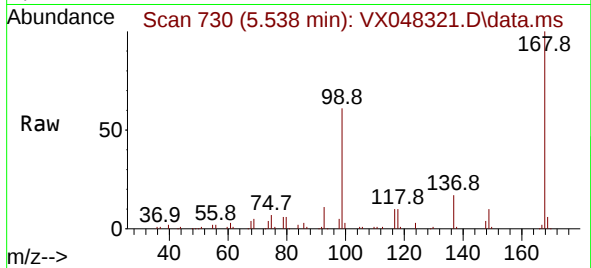




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

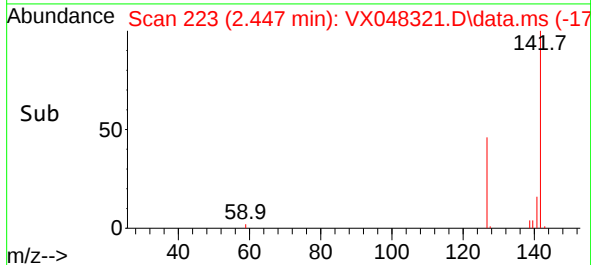
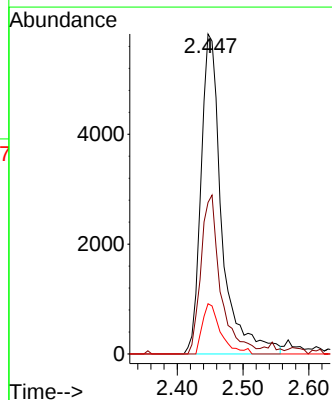
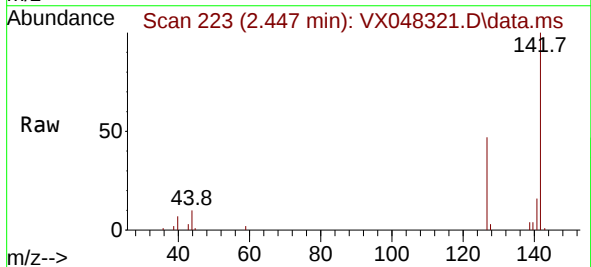
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0292

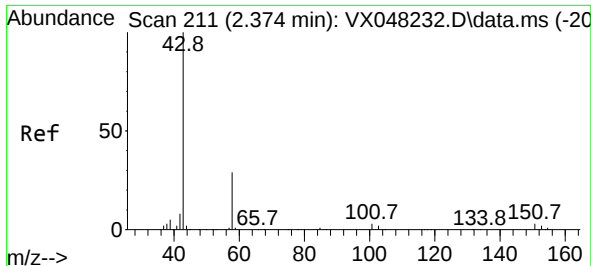
Tgt Ion:168 Resp: 101785
Ion Ratio Lower Upper
168 100
99 61.3 46.4 69.6



#10
Methyl Iodide
Concen: 9.271 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.012 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

Tgt Ion:142 Resp: 12801
Ion Ratio Lower Upper
142 100
127 47.1 38.5 57.7
141 13.7 11.6 17.4

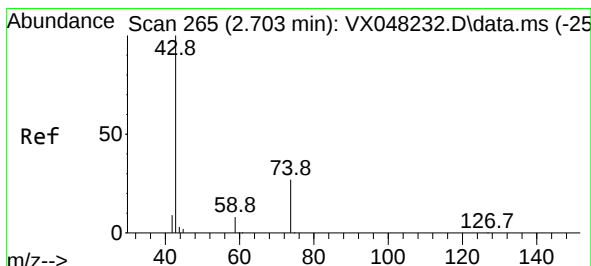
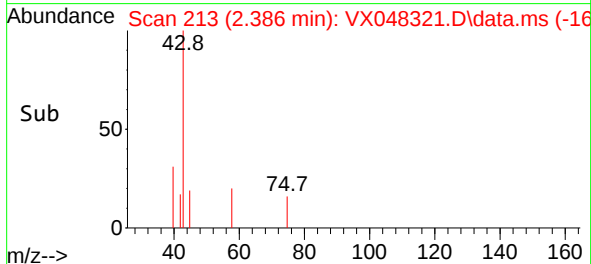
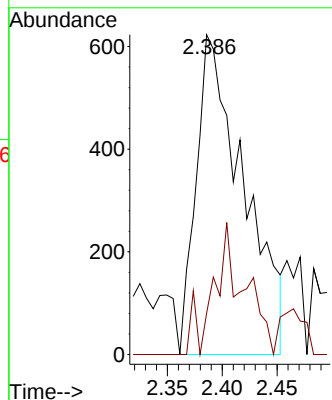
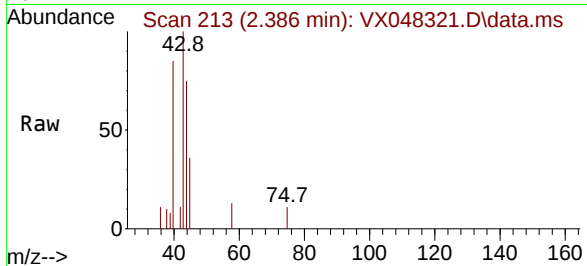




#16
Acetone
Concen: 3.820 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

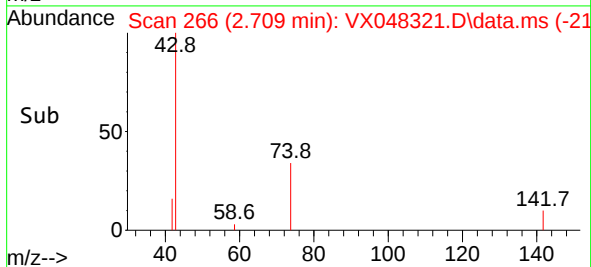
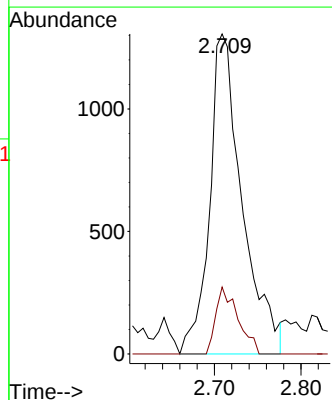
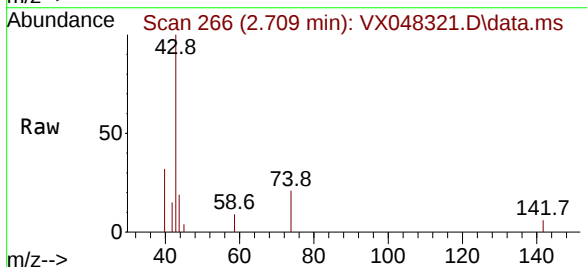
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0292

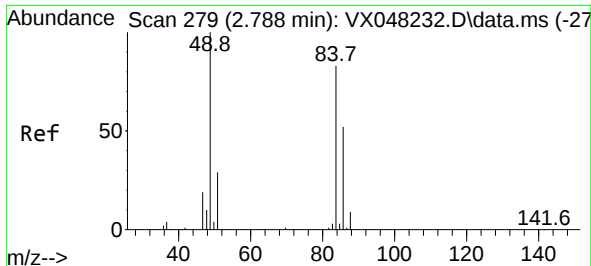
Tgt Ion: 43 Resp: 1870
Ion Ratio Lower Upper
43 100
58 12.8 23.4 35.2#



#18
Methyl Acetate
Concen: 3.339 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

Tgt Ion: 43 Resp: 3414
Ion Ratio Lower Upper
43 100
74 14.3 17.5 26.3#

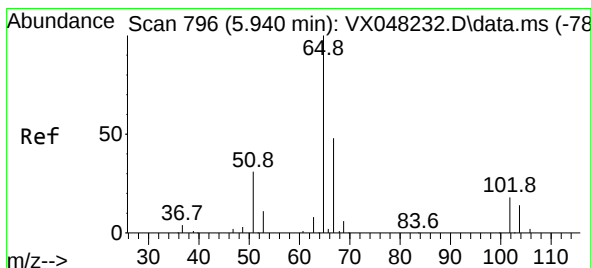
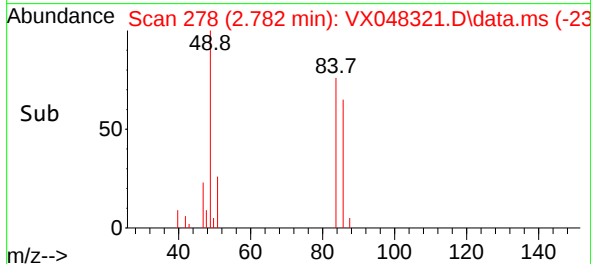
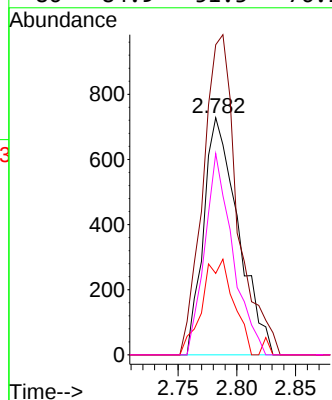
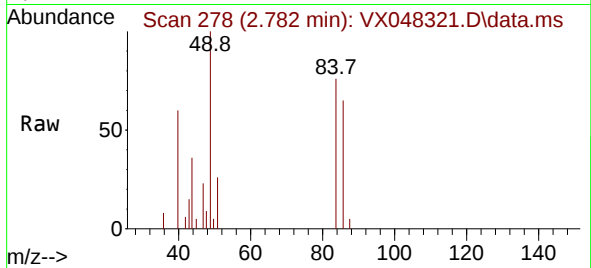




#20
Methylene Chloride
Concen: 1.248 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

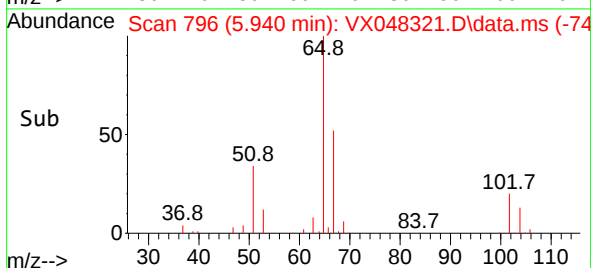
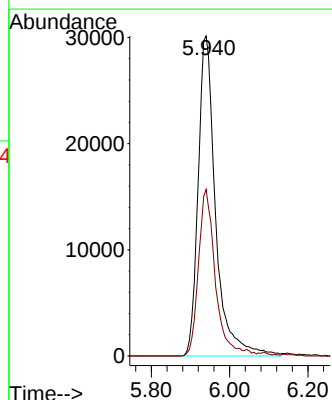
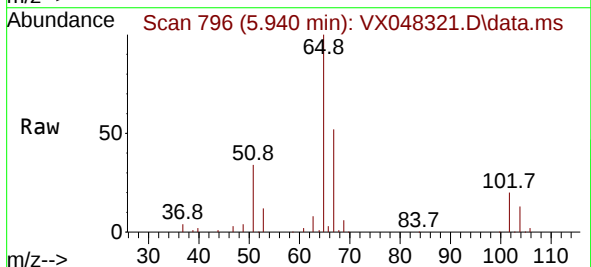
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0292

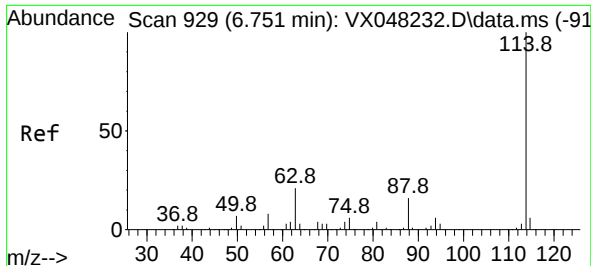
Tgt Ion: 84 Resp: 1489
Ion Ratio Lower Upper
84 100
49 130.8 104.1 156.1
51 34.3 31.3 46.9
86 84.9 51.3 76.9#



#33
1,2-Dichloroethane-d4
Concen: 65.716 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

Tgt Ion: 65 Resp: 93783
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.0

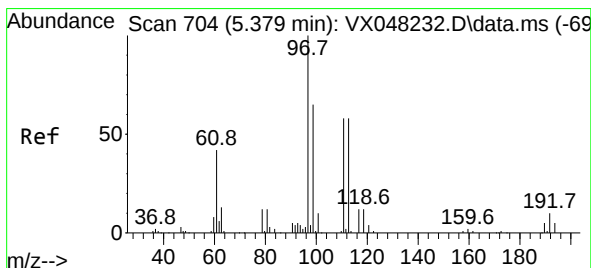
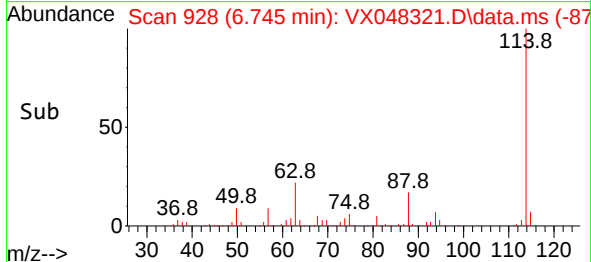
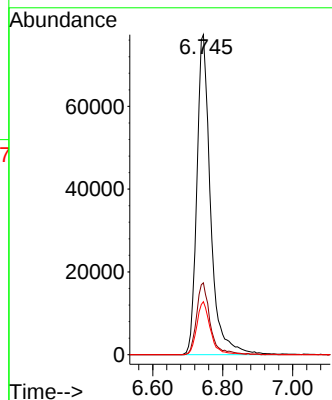
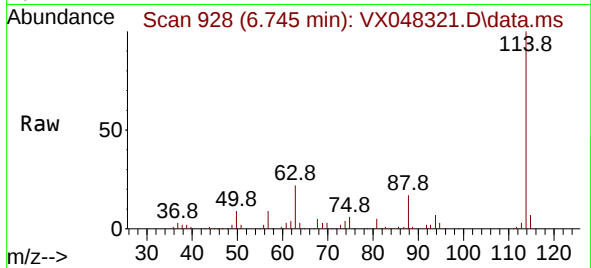




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

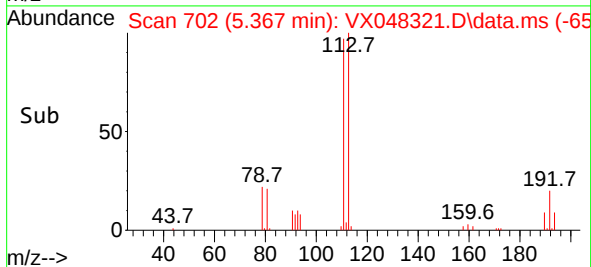
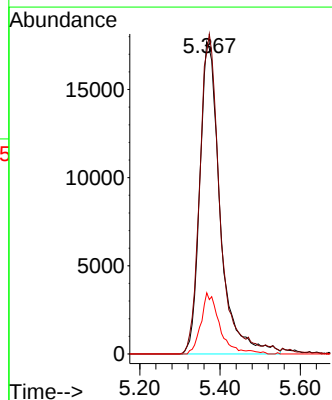
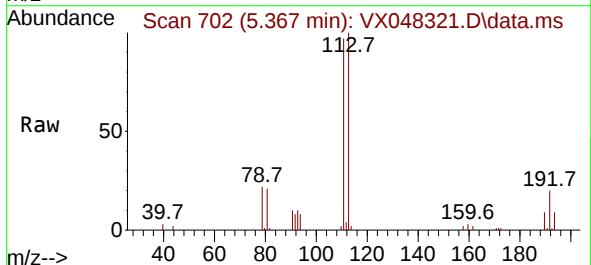
Instrument :
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ClientSampleId :
MOO-25-0292

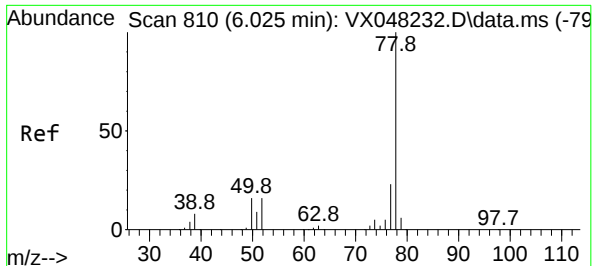
Tgt Ion:114 Resp: 209726
Ion Ratio Lower Upper
114 100
63 22.4 0.0 43.2
88 16.5 0.0 33.6



#35
Dibromofluoromethane
Concen: 43.675 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

Tgt Ion:113 Resp: 62534
Ion Ratio Lower Upper
113 100
111 100.3 82.2 123.4
192 17.6 15.1 22.7

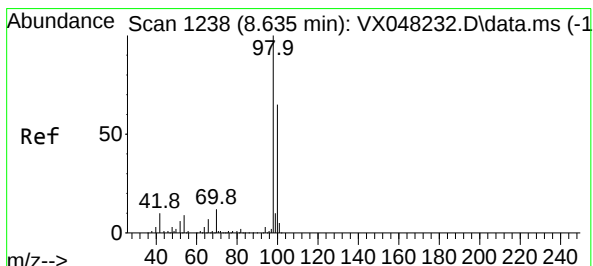
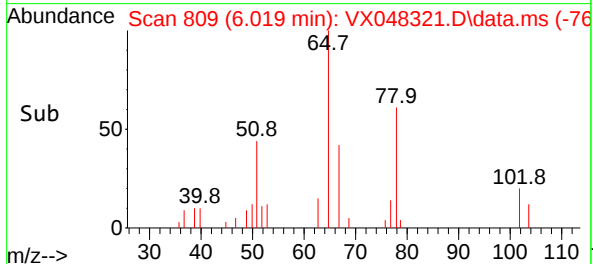
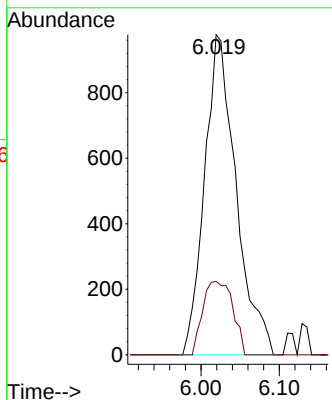
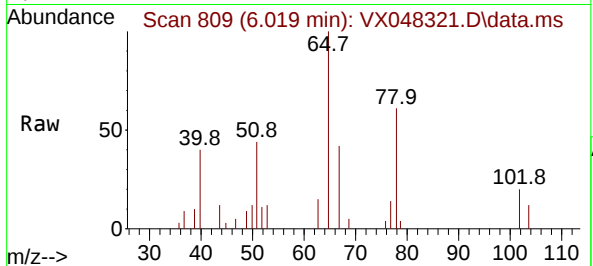




#40
Benzene
Concen: 0.463 ug/l
RT: 6.019 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

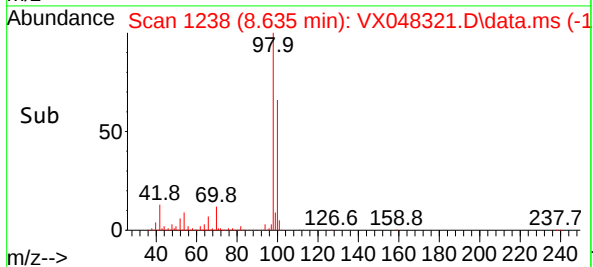
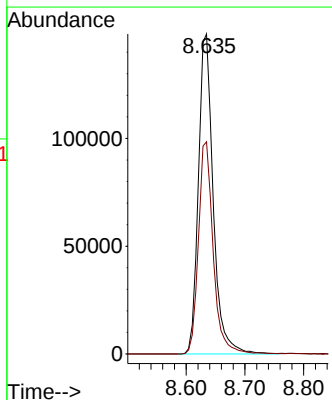
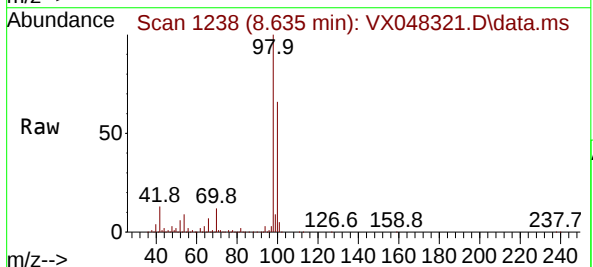
Instrument :
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ClientSampleId :
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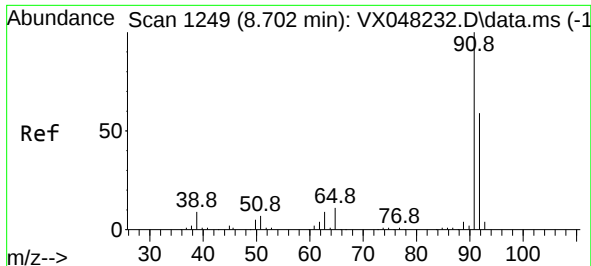
Tgt Ion: 78 Resp: 2733
Ion Ratio Lower Upper
78 100
77 21.5 19.3 28.9



#50
Toluene-d8
Concen: 51.941 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

Tgt Ion: 98 Resp: 260670
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4

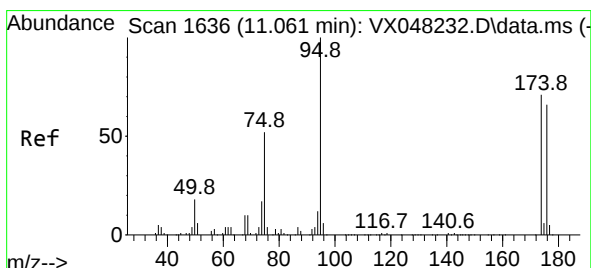
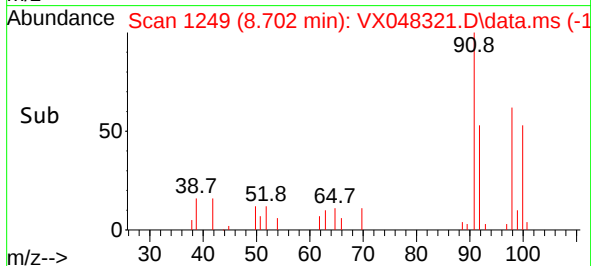
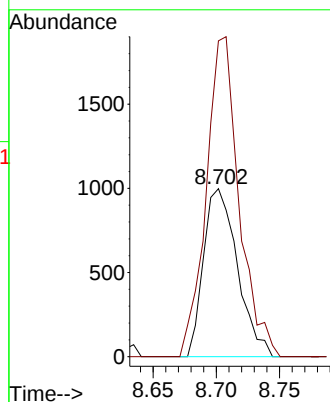
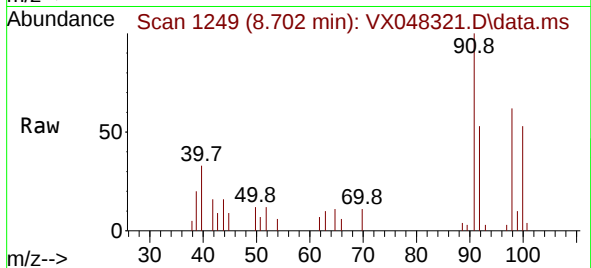




#52
Toluene
Concen: 0.495 ug/l
RT: 8.702 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

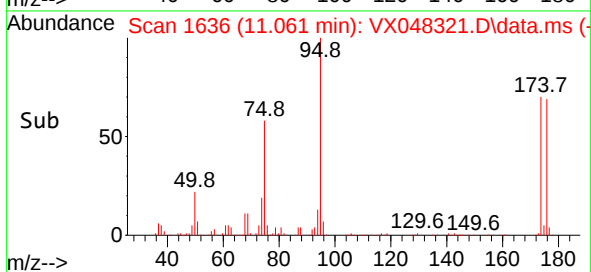
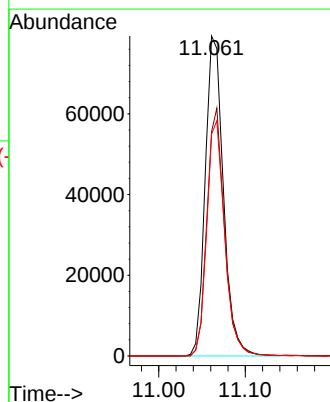
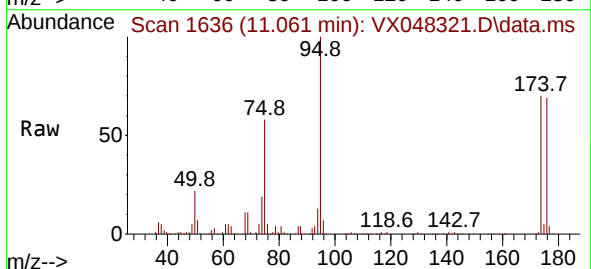
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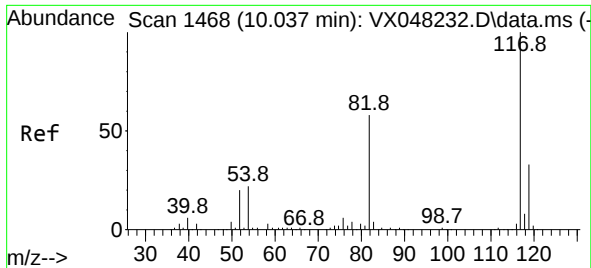
Tgt Ion: 92 Resp: 1857
Ion Ratio Lower Upper
92 100
91 184.8 136.1 204.1



#62
4-Bromofluorobenzene
Concen: 60.509 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

Tgt Ion: 95 Resp: 115524
Ion Ratio Lower Upper
95 100
174 75.0 0.0 147.8
176 72.5 0.0 142.8

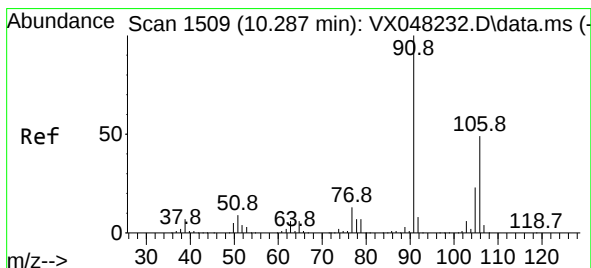
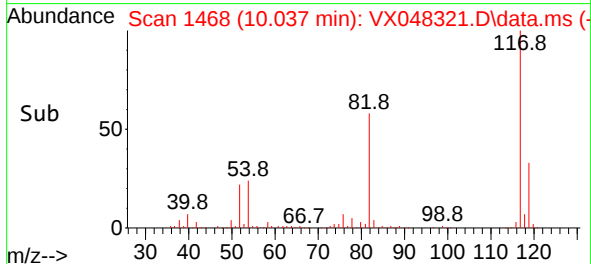
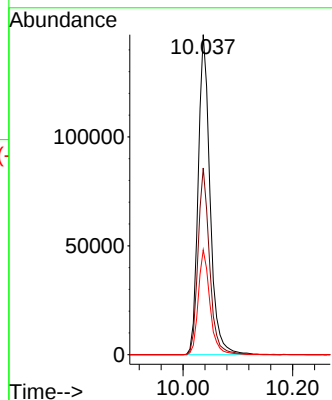
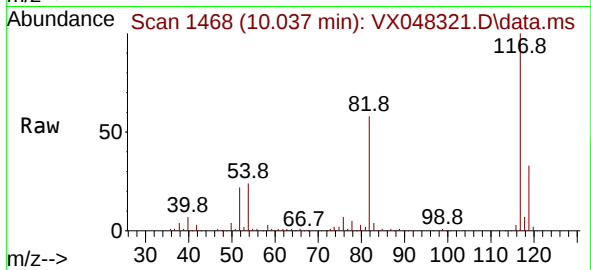




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

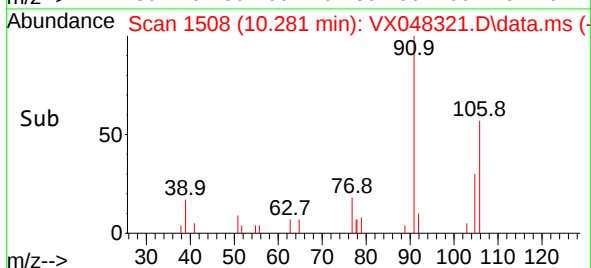
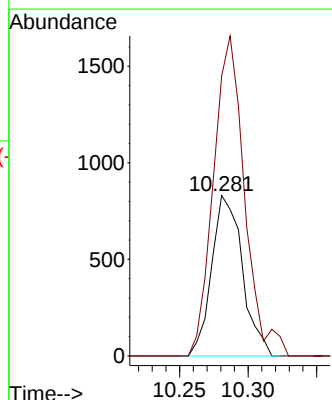
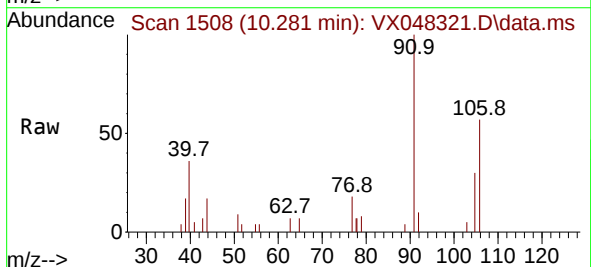
Instrument :
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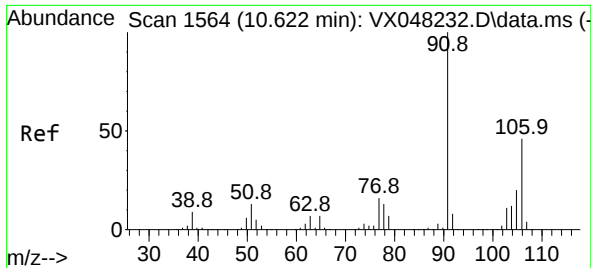
Tgt Ion:117 Resp: 221810
Ion Ratio Lower Upper
117 100
82 58.3 46.5 69.7
119 32.8 25.9 38.9



#68
m/p-Xylenes
Concen: 0.410 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

Tgt Ion:106 Resp: 1293
Ion Ratio Lower Upper
106 100
91 201.9 167.9 251.9

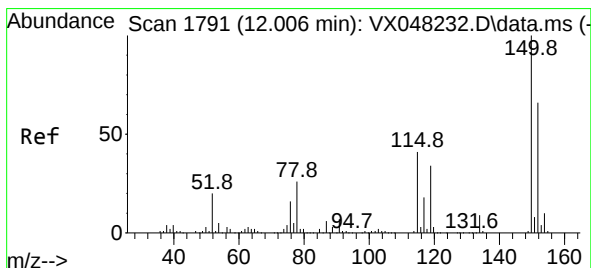
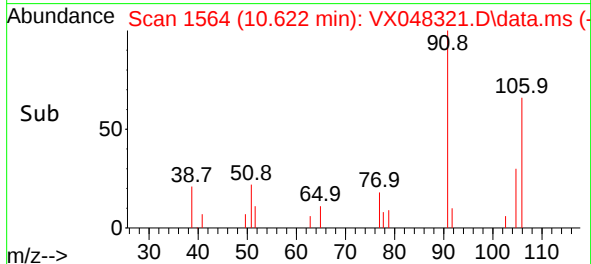
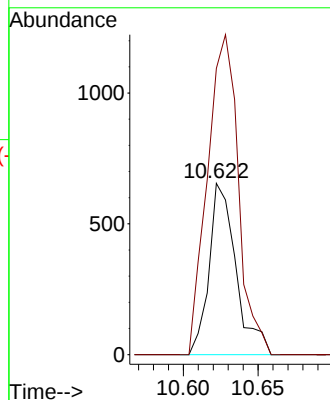
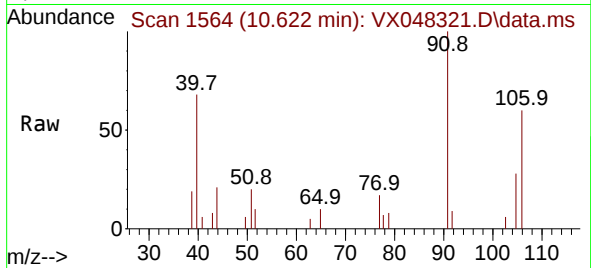




#69
o-Xylene
Concen: 0.268 ug/l
RT: 10.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

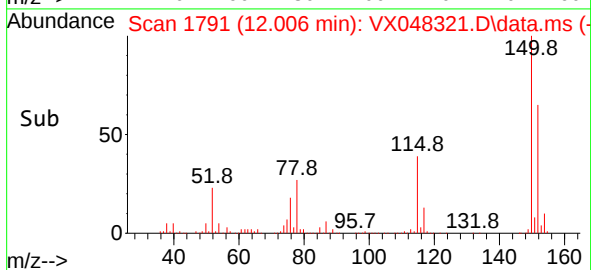
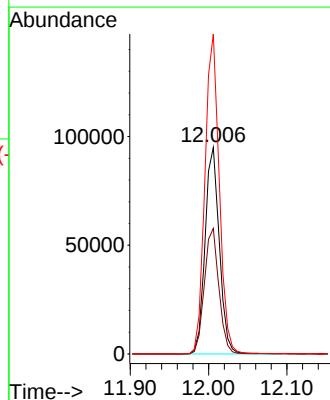
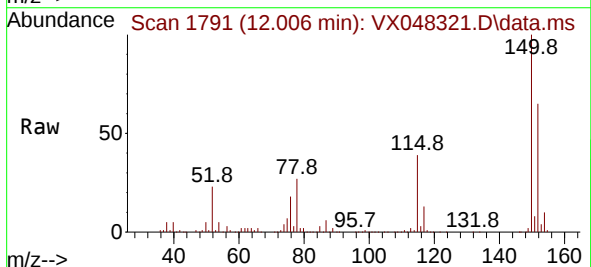
Instrument :
MSVOA_X
ClientSampleId :
MOO-25-0292

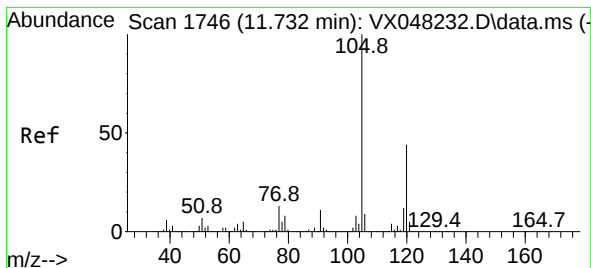
Tgt Ion:106 Resp: 816
Ion Ratio Lower Upper
106 100
91 215.8 111.3 333.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048321.D
Acq: 23 Oct 2025 13:43

Tgt Ion:152 Resp: 120059
Ion Ratio Lower Upper
152 100
115 62.1 43.1 129.4
150 155.8 0.0 353.0





#84

1,2,4-Trimethylbenzene

Concen: 0.515 ug/l

RT: 11.732 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048321.D

Acq: 23 Oct 2025 13:43

Instrument :

MSVOA_X

ClientSampleId :

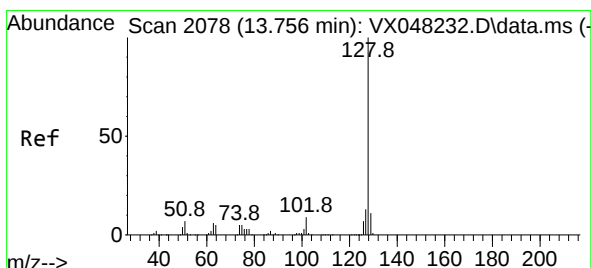
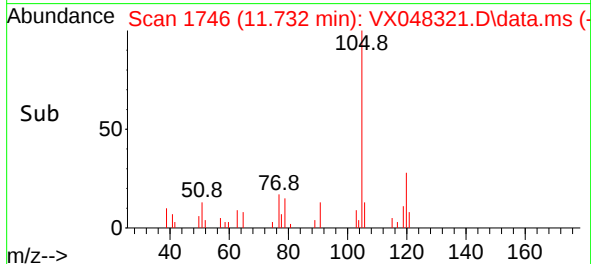
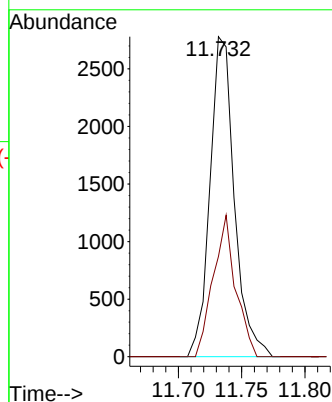
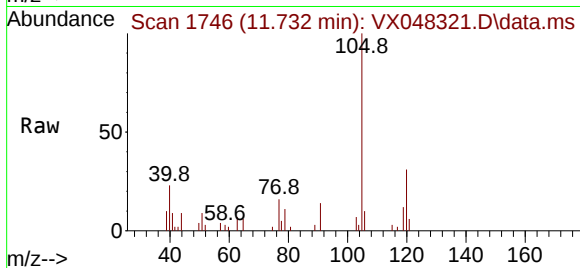
MOO-25-0292

Tgt Ion:105 Resp: 3728

Ion Ratio Lower Upper

105 100

120 40.6 22.1 66.5



#95

Naphthalene

Concen: 1.967 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VX048321.D

Acq: 23 Oct 2025 13:43

Tgt Ion:128 Resp: 13717

Ion Ratio Lower Upper

128 100

127 15.0 10.2 15.4

129 22.0 8.6 12.8#

