

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082625\
 Data File : VX047530.D
 Acq On : 26 Aug 2025 13:09
 Operator : JC/MD
 Sample : Q2909-01
 Misc : 1.15g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 4065

Quant Time: Aug 27 01:36:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

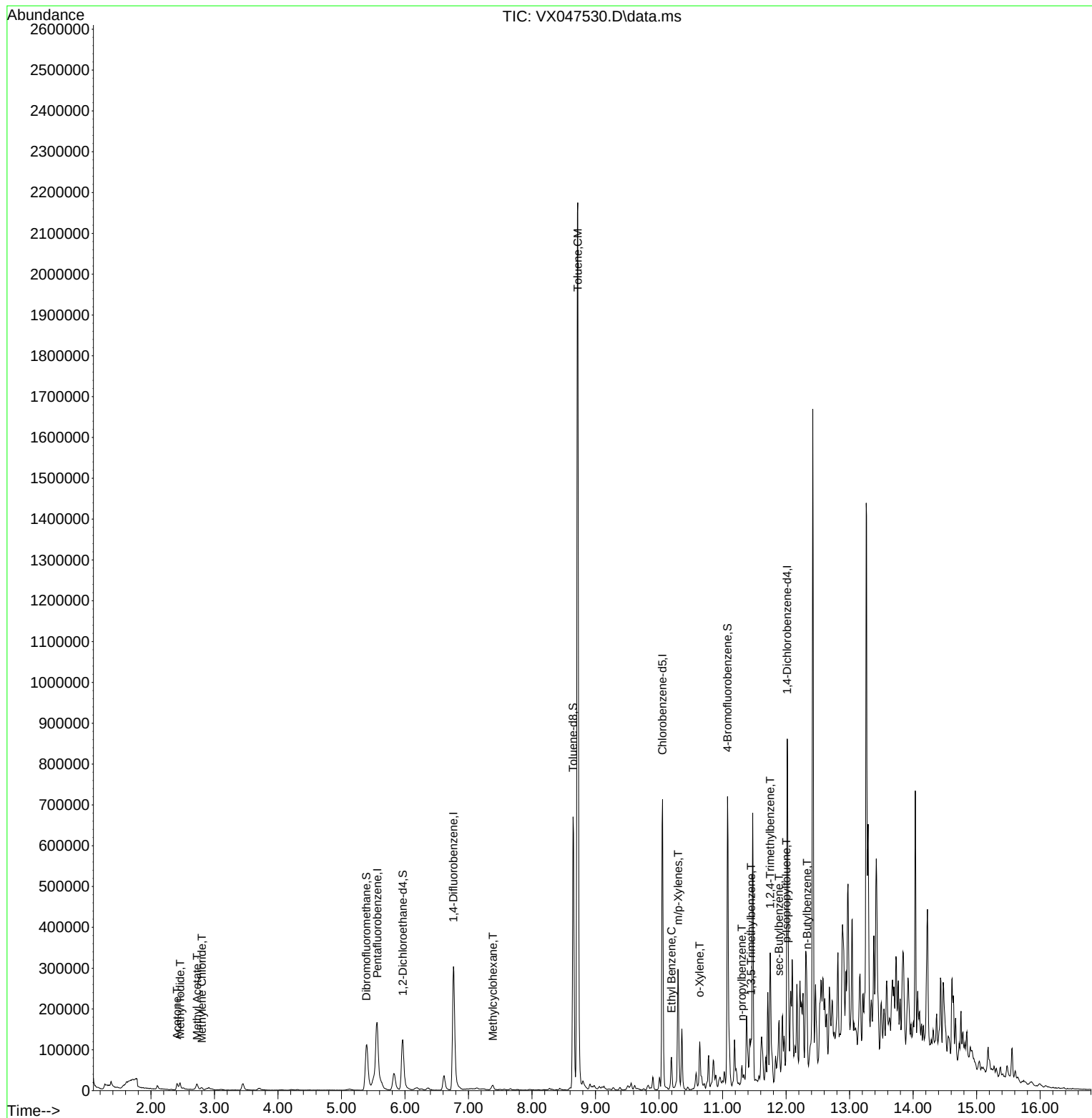
Internal Standards						
1) Pentafluorobenzene	5.562	168	170914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	337500	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	326169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	162242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	136016	56.863	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.720%	
35) Dibromofluoromethane	5.391	113	112026	51.144	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.280%	
50) Toluene-d8	8.646	98	415890	53.121	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.240%	
62) 4-Bromofluorobenzene	11.079	95	170233	58.923	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.840%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.459	142	21613	5.975	ug/l	95
16) Acetone	2.410	43	22331	24.837	ug/l	95
18) Methyl Acetate	2.727	43	21676	9.303	ug/l #	86
20) Methylene Chloride	2.800	84	2373	0.997	ug/l	86
39) Methylcyclohexane	7.385	83	5100	1.182	ug/l	92
52) Toluene	8.720	92	883277	138.114	ug/l	100
67) Ethyl Benzene	10.195	91	45822	3.435	ug/l	97
68) m/p-Xylenes	10.299	106	66095	13.287	ug/l	97
69) o-Xylene	10.640	106	25044	5.232	ug/l	95
78) n-propylbenzene	11.305	91	30650	2.021	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	34104	3.265	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	123855	11.856	ug/l	100
85) sec-Butylbenzene	11.890	105	23342	1.807	ug/l	92
86) p-Isopropyltoluene	12.006	119	14541	1.330	ug/l	96
89) n-Butylbenzene	12.329	91	47081	4.631	ug/l #	58

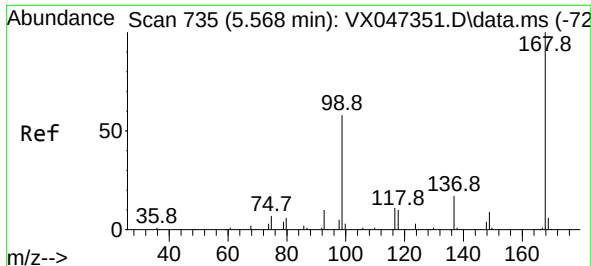
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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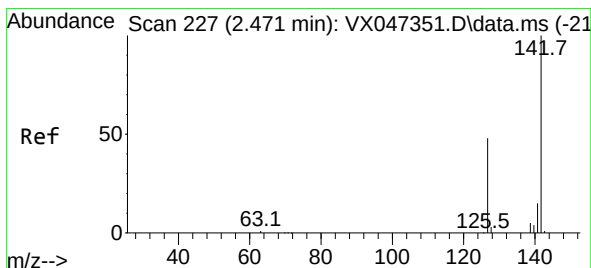
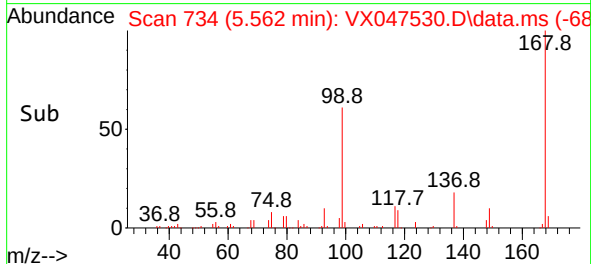
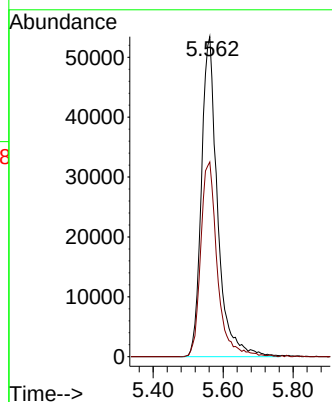
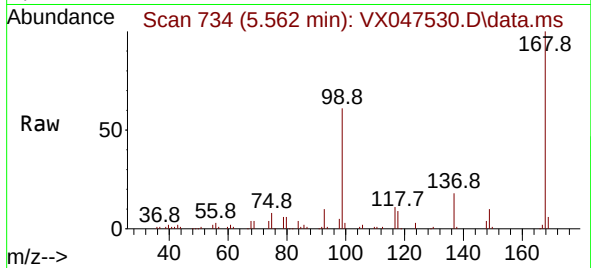




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

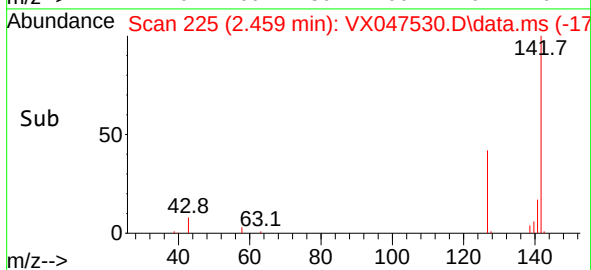
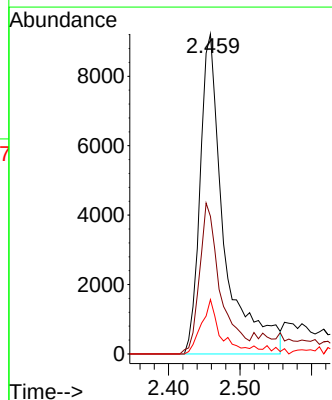
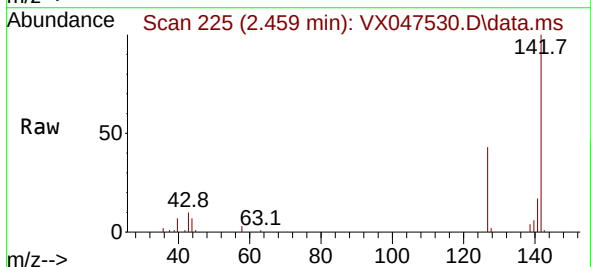
Instrument :
MSVOA_X
ClientSampleId :
4065

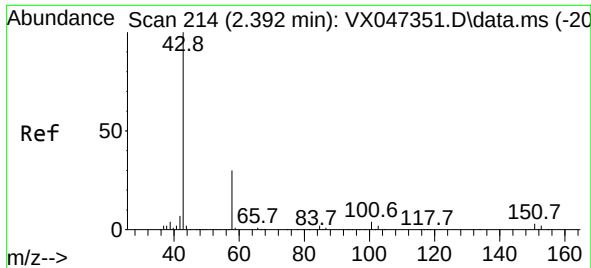
Tgt Ion:168 Resp: 170914
Ion Ratio Lower Upper
168 100
99 60.8 47.9 71.9



#10
Methyl Iodide
Concen: 5.975 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.012 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

Tgt Ion:142 Resp: 21613
Ion Ratio Lower Upper
142 100
127 41.1 36.1 54.1
141 13.5 11.1 16.7

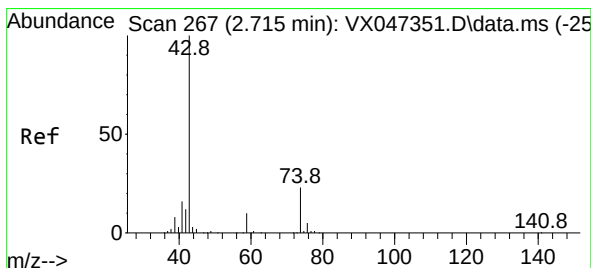
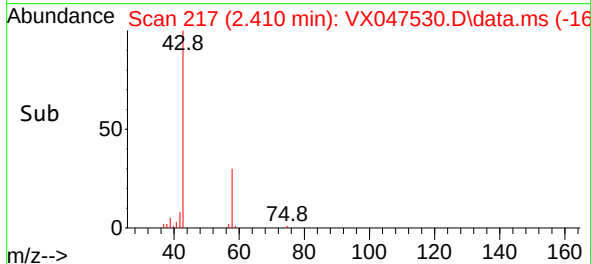
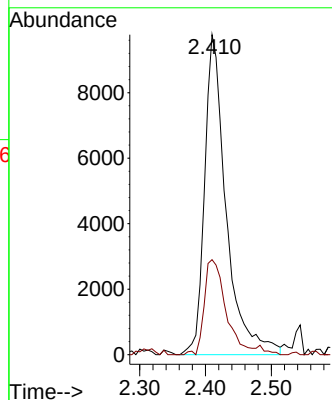
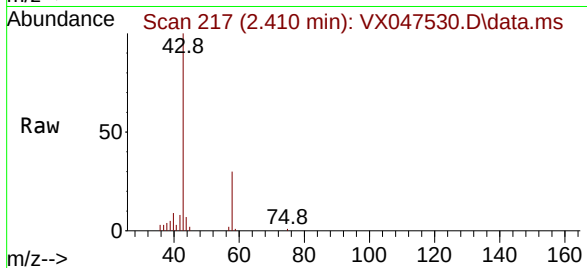




#16
Acetone
Concen: 24.837 ug/l
RT: 2.410 min Scan# 214
Delta R.T. 0.018 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

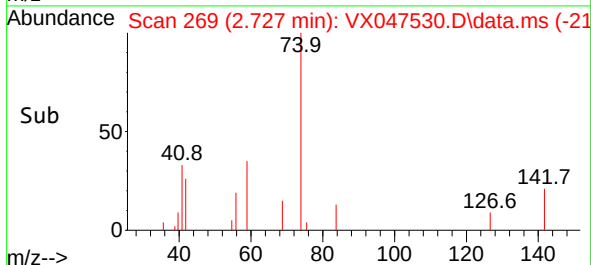
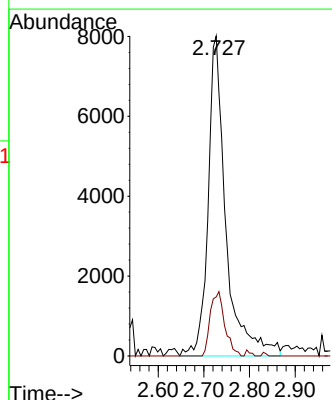
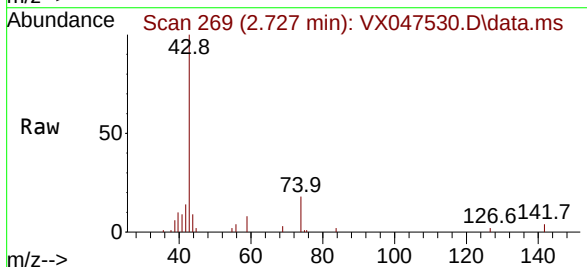
Instrument :
MSVOA_X
ClientSampleId :
4065

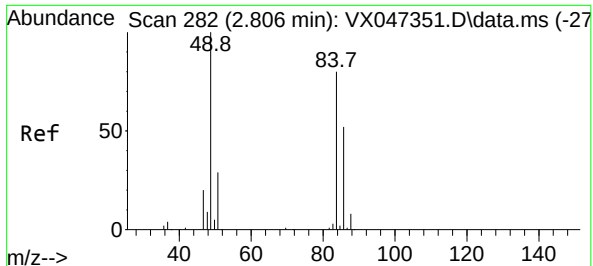
Tgt Ion: 43 Resp: 22331
Ion Ratio Lower Upper
43 100
58 28.4 24.8 37.2



#18
Methyl Acetate
Concen: 9.303 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.012 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

Tgt Ion: 43 Resp: 21676
Ion Ratio Lower Upper
43 100
74 16.4 18.4 27.6#



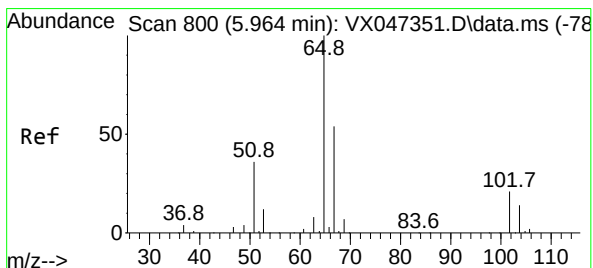
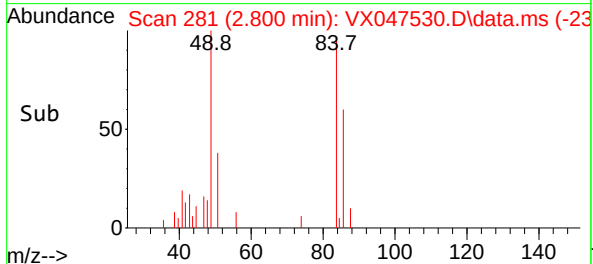
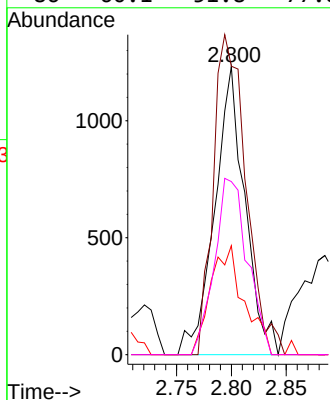
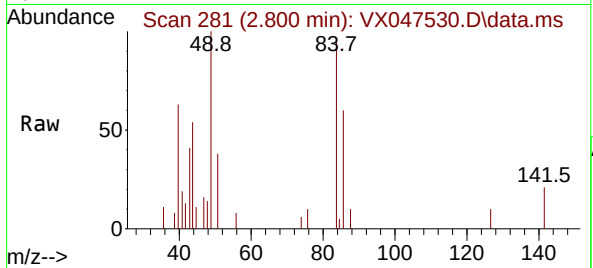


#20
Methylene Chloride
Concen: 0.997 ug/l
RT: 2.800 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :
4065

Tgt Ion: 84 Resp: 2373

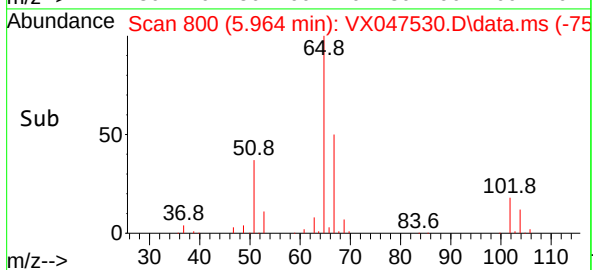
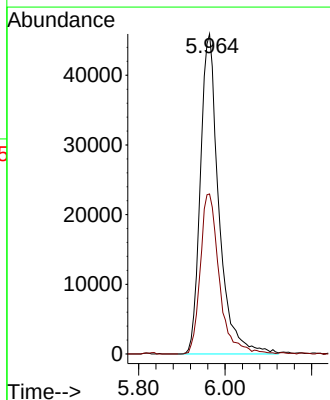
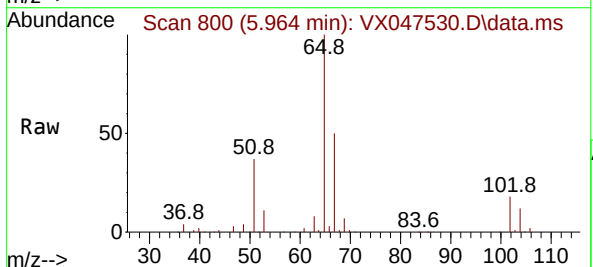
Ion	Ratio	Lower	Upper
84	100		
49	100.1	100.1	150.1
51	37.8	29.5	44.3
86	60.1	51.8	77.8

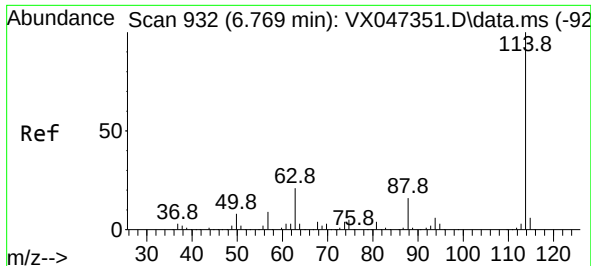


#33
1,2-Dichloroethane-d4
Concen: 56.863 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

Tgt Ion: 65 Resp: 136016

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	106.0

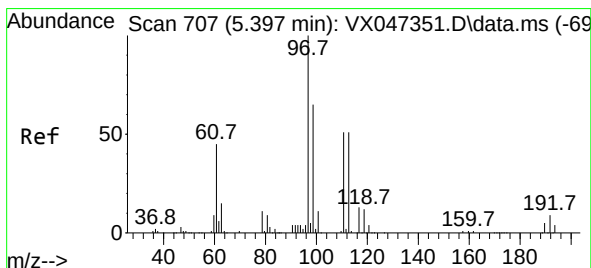
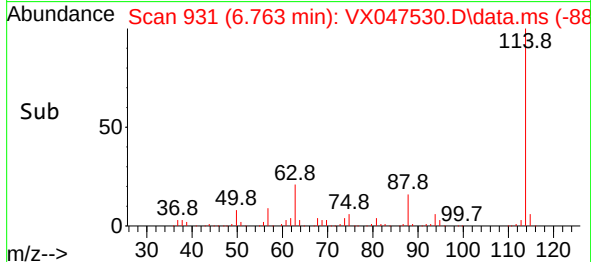
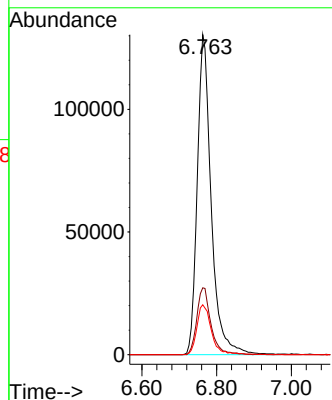
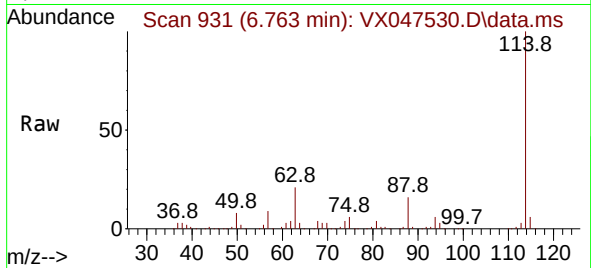




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

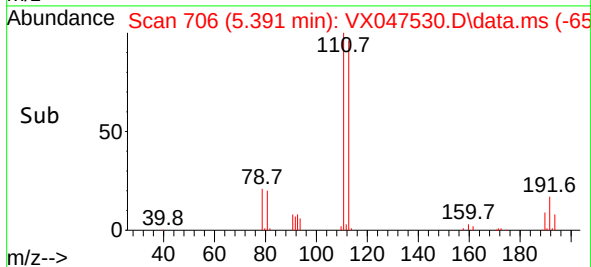
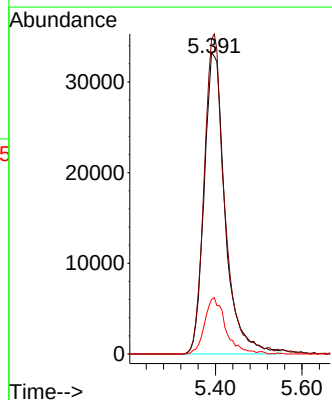
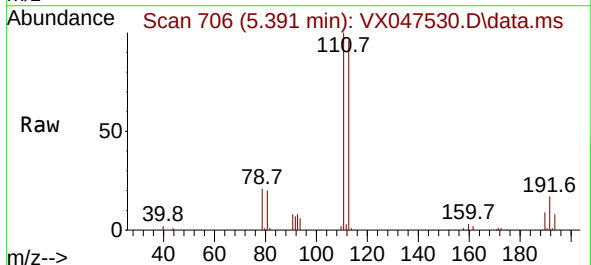
Instrument :
MSVOA_X
ClientSampleId :
4065

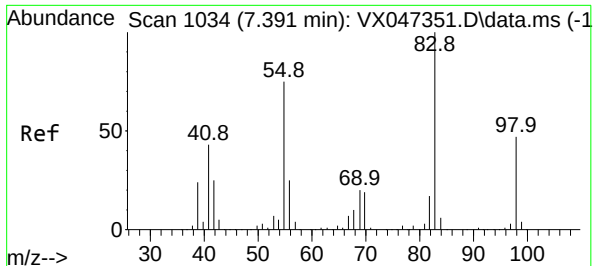
Tgt Ion:114 Resp: 337500
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.4
88 15.6 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.144 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

Tgt Ion:113 Resp: 112026
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.2
192 18.6 14.1 21.1





#39

Methylcyclohexane

Concen: 1.182 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.006 min

Lab File: VX047530.D

Acq: 26 Aug 2025 13:09

Instrument :

MSVOA_X

ClientSampleId :

4065

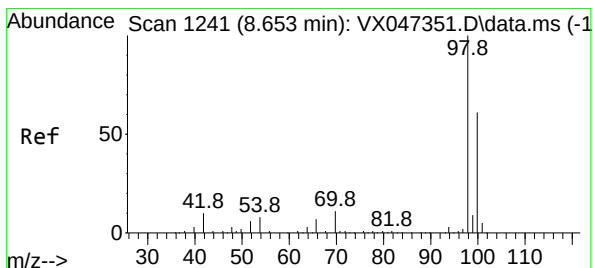
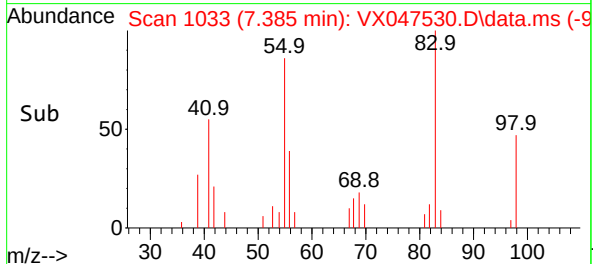
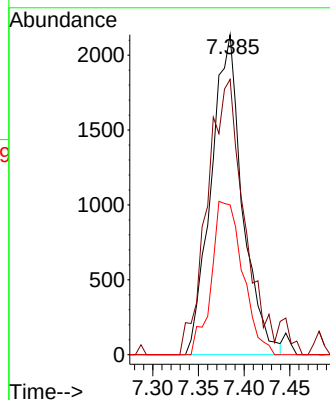
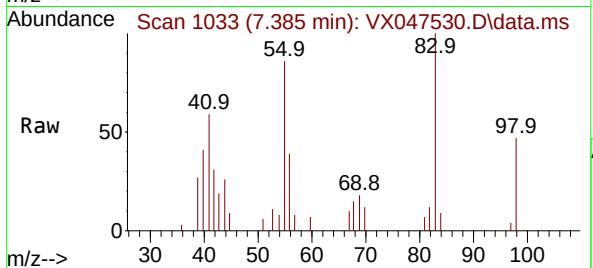
Tgt Ion: 83 Resp: 5100

Ion Ratio Lower Upper

83 100

55 86.1 60.0 90.0

98 46.8 37.2 55.8



#50

Toluene-d8

Concen: 53.121 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX047530.D

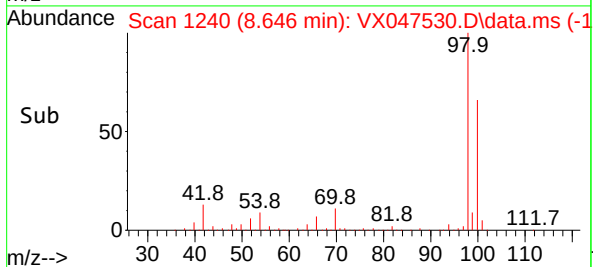
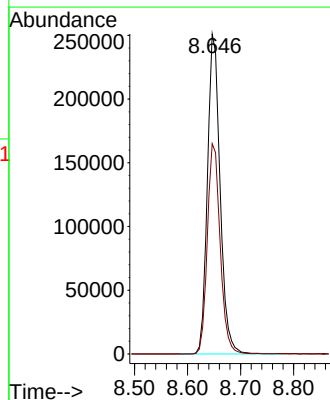
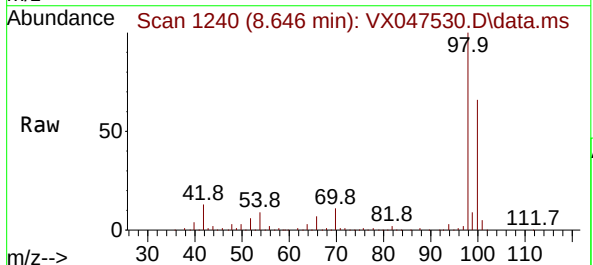
Acq: 26 Aug 2025 13:09

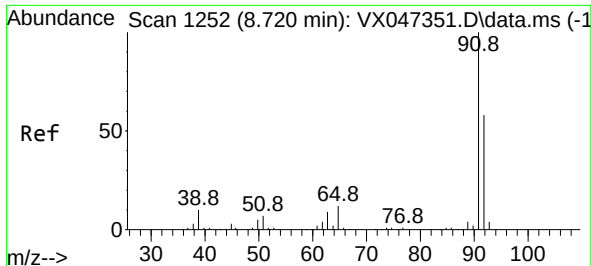
Tgt Ion: 98 Resp: 415890

Ion Ratio Lower Upper

98 100

100 66.5 53.9 80.9

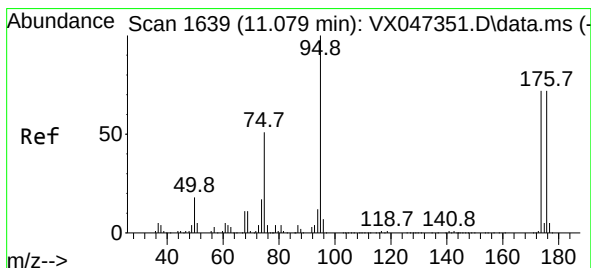
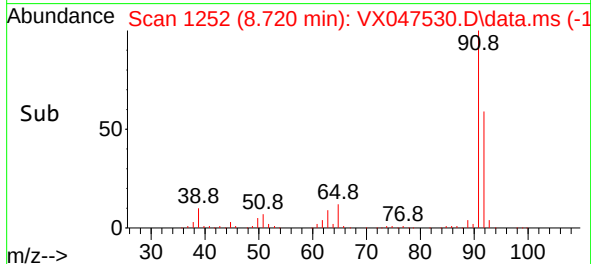
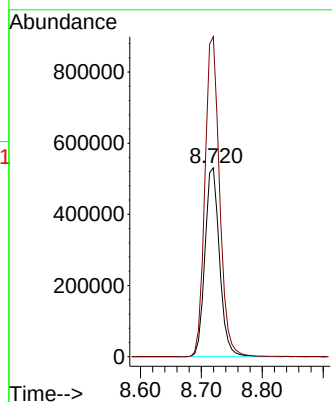
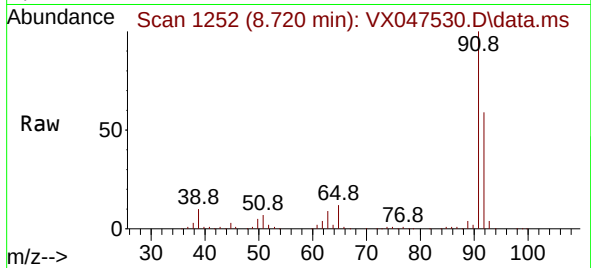




#52
Toluene
Concen: 138.114 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

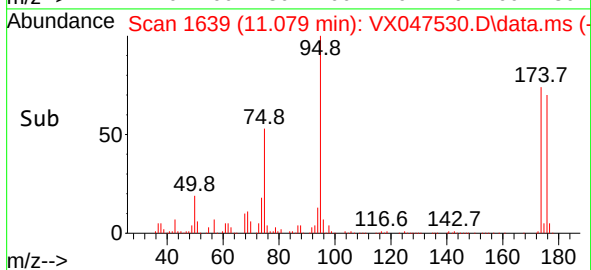
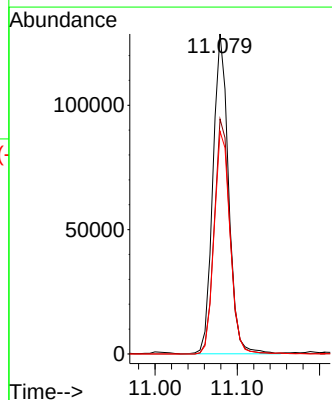
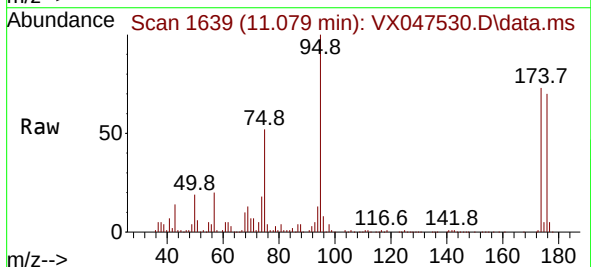
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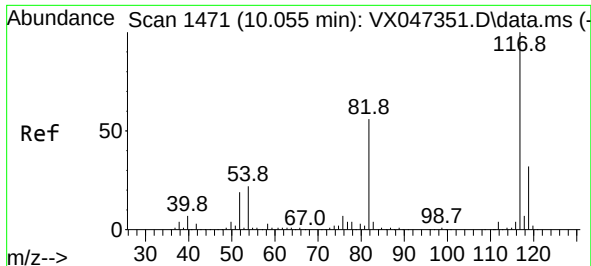
Tgt Ion: 92 Resp: 883277
Ion Ratio Lower Upper
92 100
91 170.1 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 58.923 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

Tgt Ion: 95 Resp: 170233
Ion Ratio Lower Upper
95 100
174 73.6 0.0 148.0
176 71.0 0.0 145.4

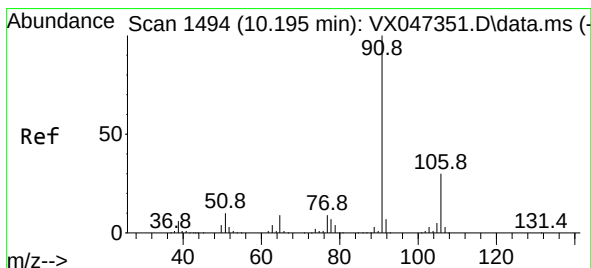
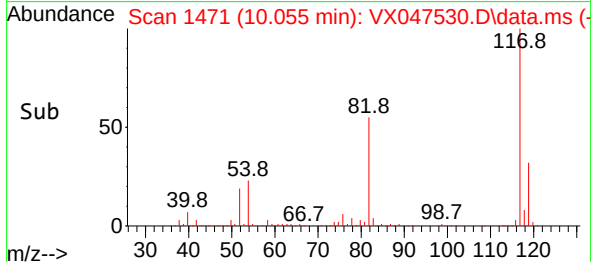
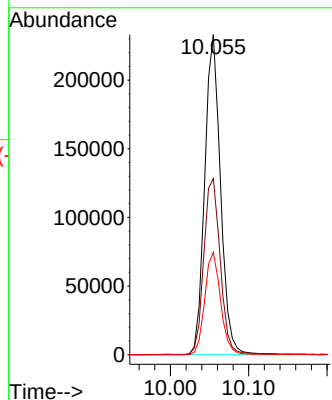
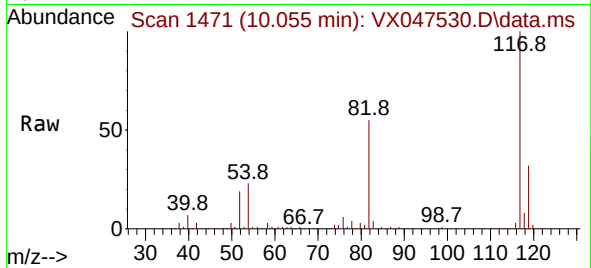




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

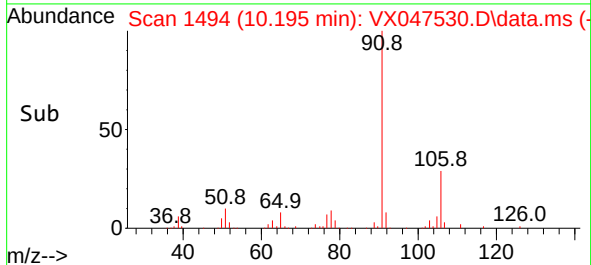
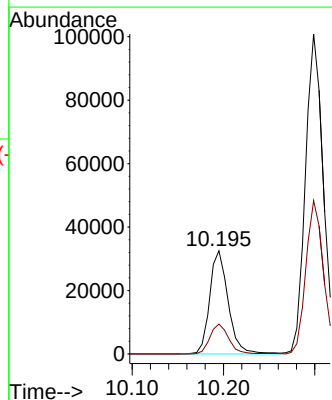
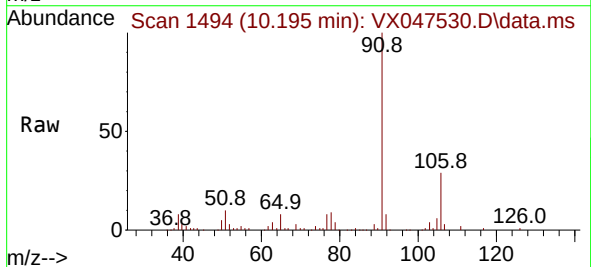
Instrument :
MSVOA_X
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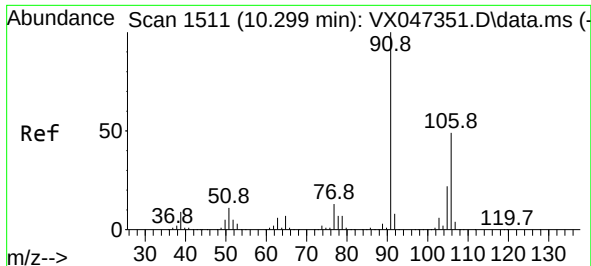
Tgt Ion:117 Resp: 326169
Ion Ratio Lower Upper
117 100
82 54.9 45.0 67.4
119 31.9 25.8 38.8



#67
Ethyl Benzene
Concen: 3.435 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

Tgt Ion: 91 Resp: 45822
Ion Ratio Lower Upper
91 100
106 32.2 24.4 36.6

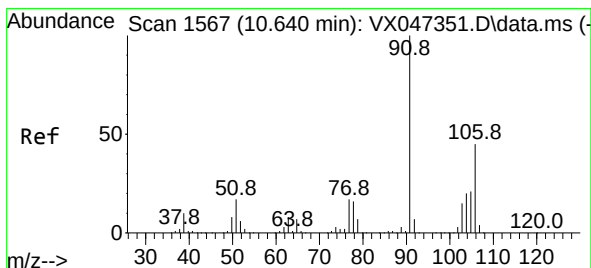
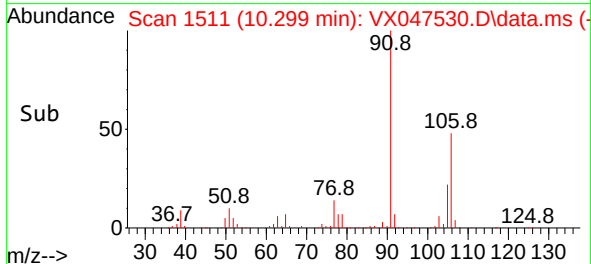
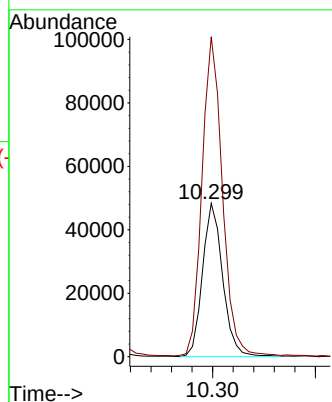
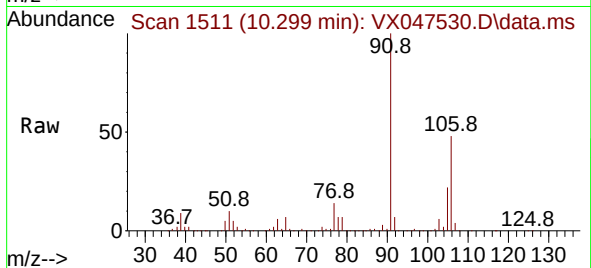




#68
m/p-Xylenes
Concen: 13.287 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

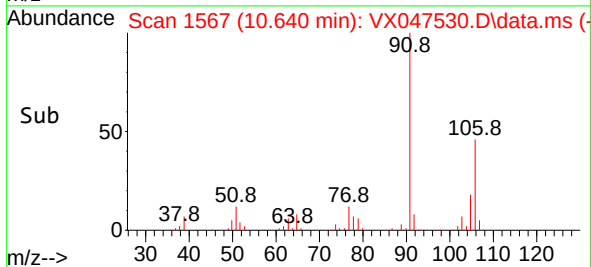
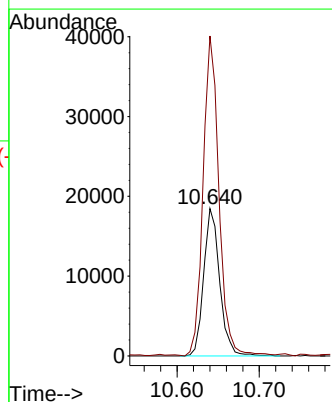
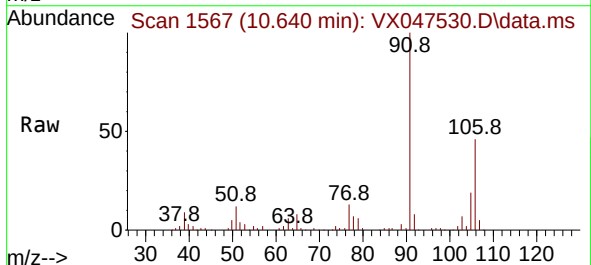
Instrument :
MSVOA_X
ClientSampleId :
4065

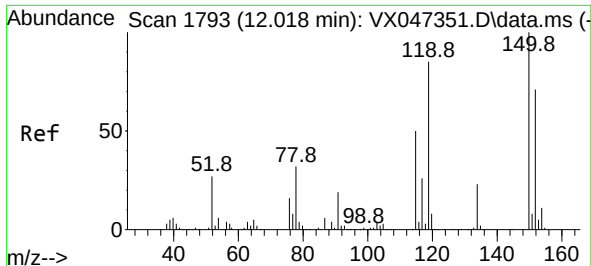
Tgt Ion:106 Resp: 66095
Ion Ratio Lower Upper
106 100
91 211.2 164.7 247.1



#69
o-Xylene
Concen: 5.232 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

Tgt Ion:106 Resp: 25044
Ion Ratio Lower Upper
106 100
91 213.0 110.6 331.8

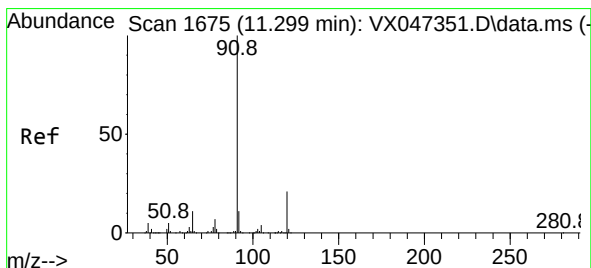
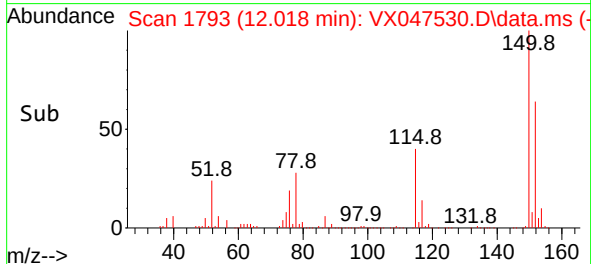
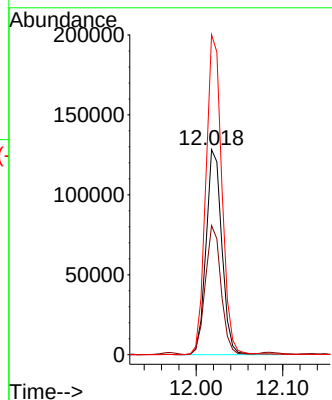
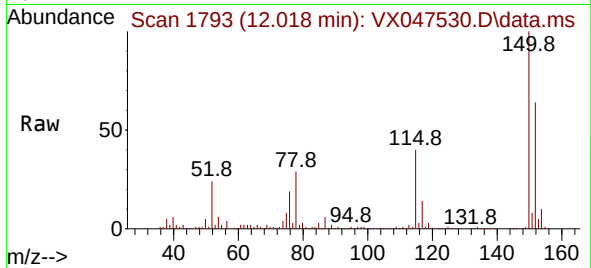




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

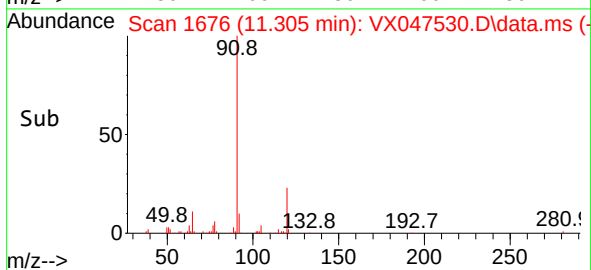
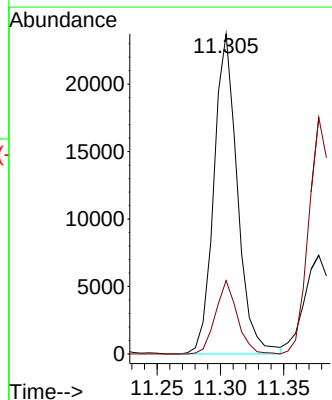
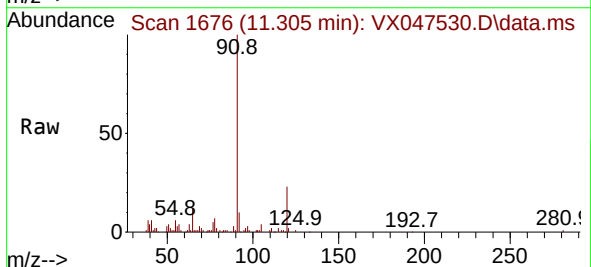
Instrument :
MSVOA_X
ClientSampleId :
4065

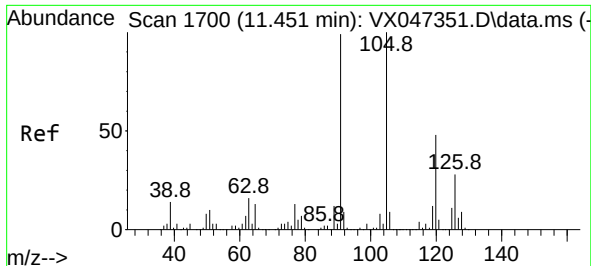
Tgt Ion:152 Resp: 162242
Ion Ratio Lower Upper
152 100
115 62.5 44.6 133.8
150 158.1 0.0 349.8



#78
n-propylbenzene
Concen: 2.021 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX047530.D
Acq: 26 Aug 2025 13:09

Tgt Ion: 91 Resp: 30650
Ion Ratio Lower Upper
91 100
120 21.3 11.0 33.0

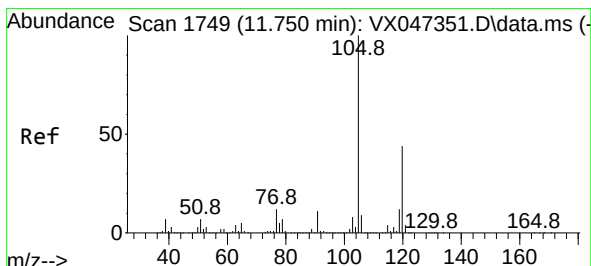
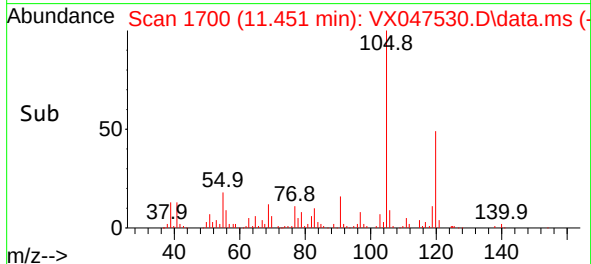
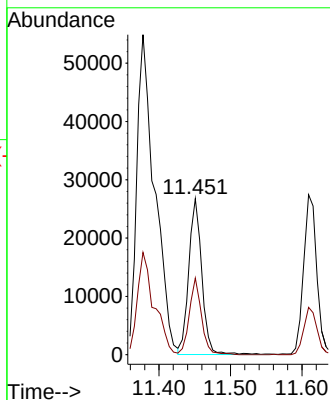
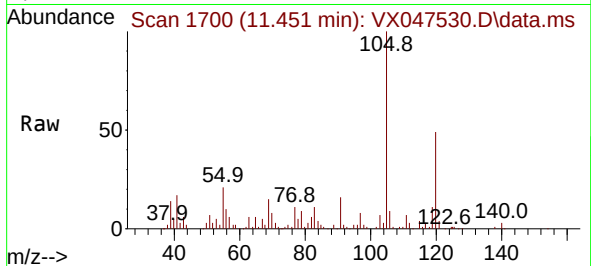




#80
 1,3,5-Trimethylbenzene
 Concen: 3.265 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. -0.000 min
 Lab File: VX047530.D
 Acq: 26 Aug 2025 13:09

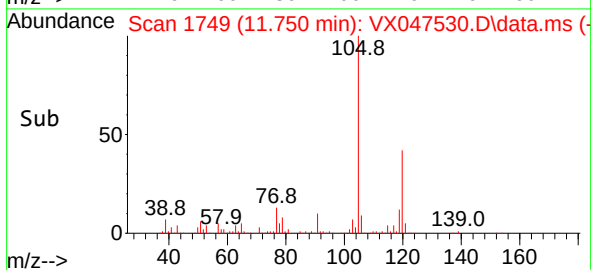
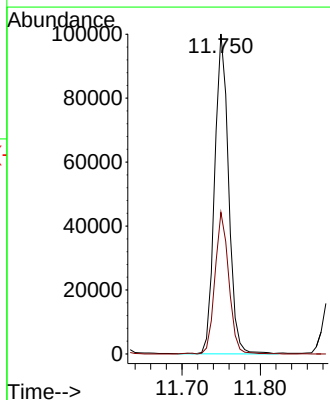
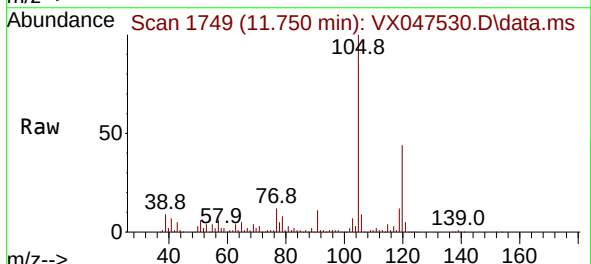
Instrument :
 MSVOA_X
 ClientSampleId :
 4065

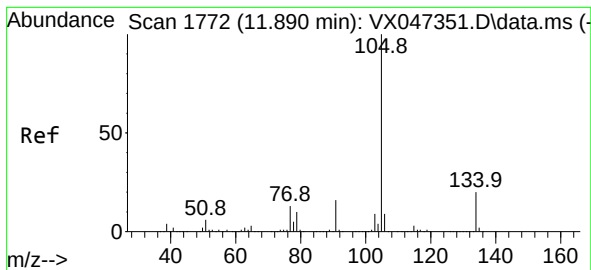
Tgt Ion:105 Resp: 34104
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.9 71.7



#84
 1,2,4-Trimethylbenzene
 Concen: 11.856 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX047530.D
 Acq: 26 Aug 2025 13:09

Tgt Ion:105 Resp: 123855
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.7





#85

sec-Butylbenzene

Concen: 1.807 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX047530.D

Acq: 26 Aug 2025 13:09

Instrument :

MSVOA_X

ClientSampleId :

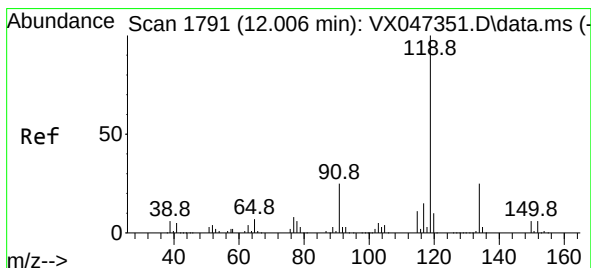
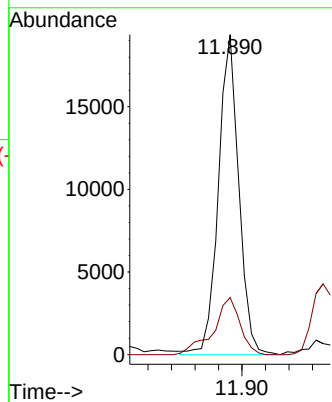
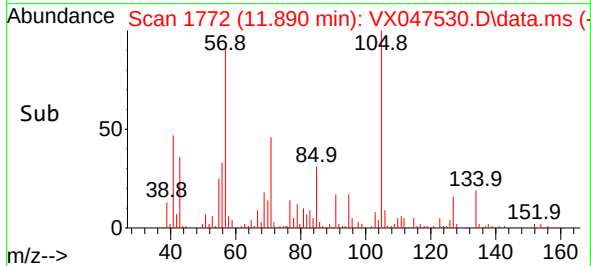
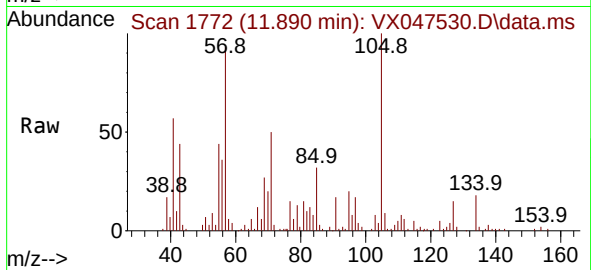
4065

Tgt Ion:105 Resp: 23342

Ion Ratio Lower Upper

105 100

134 23.4 9.8 29.5



#86

p-Isopropyltoluene

Concen: 1.330 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047530.D

Acq: 26 Aug 2025 13:09

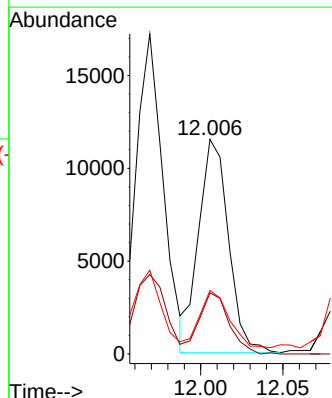
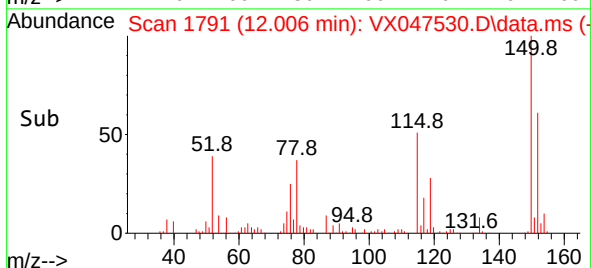
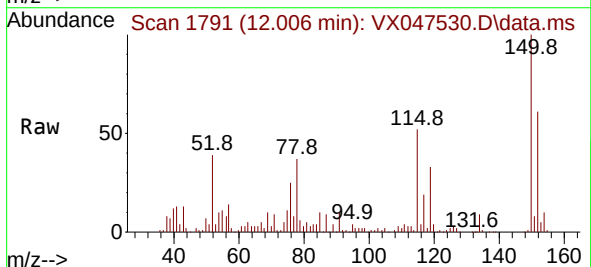
Tgt Ion:119 Resp: 14541

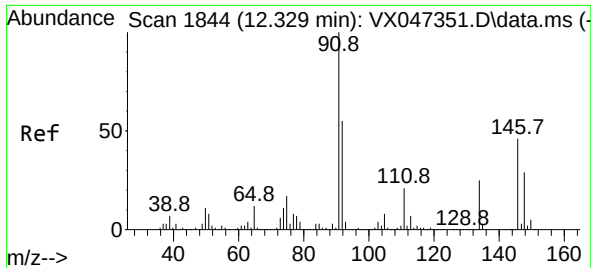
Ion Ratio Lower Upper

119 100

134 28.8 12.8 38.4

91 26.1 12.4 37.4





#89

n-Butylbenzene

Concen: 4.631 ug/l

RT: 12.329 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047530.D

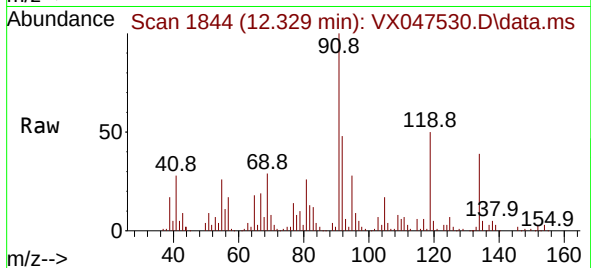
Acq: 26 Aug 2025 13:09

Instrument :

MSVOA_X

ClientSampleId :

4065



Tgt Ion:	91	Resp:	47081
Ion	Ratio	Lower	Upper
91	100		
92	40.4	27.2	81.5
134	71.5	12.6	37.8#

