

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
 Data File : VX048728.D
 Acq On : 05 Dec 2025 12:20
 Operator : JC/MD
 Sample : Q3775-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NGKO

Quant Time: Dec 05 22:01:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

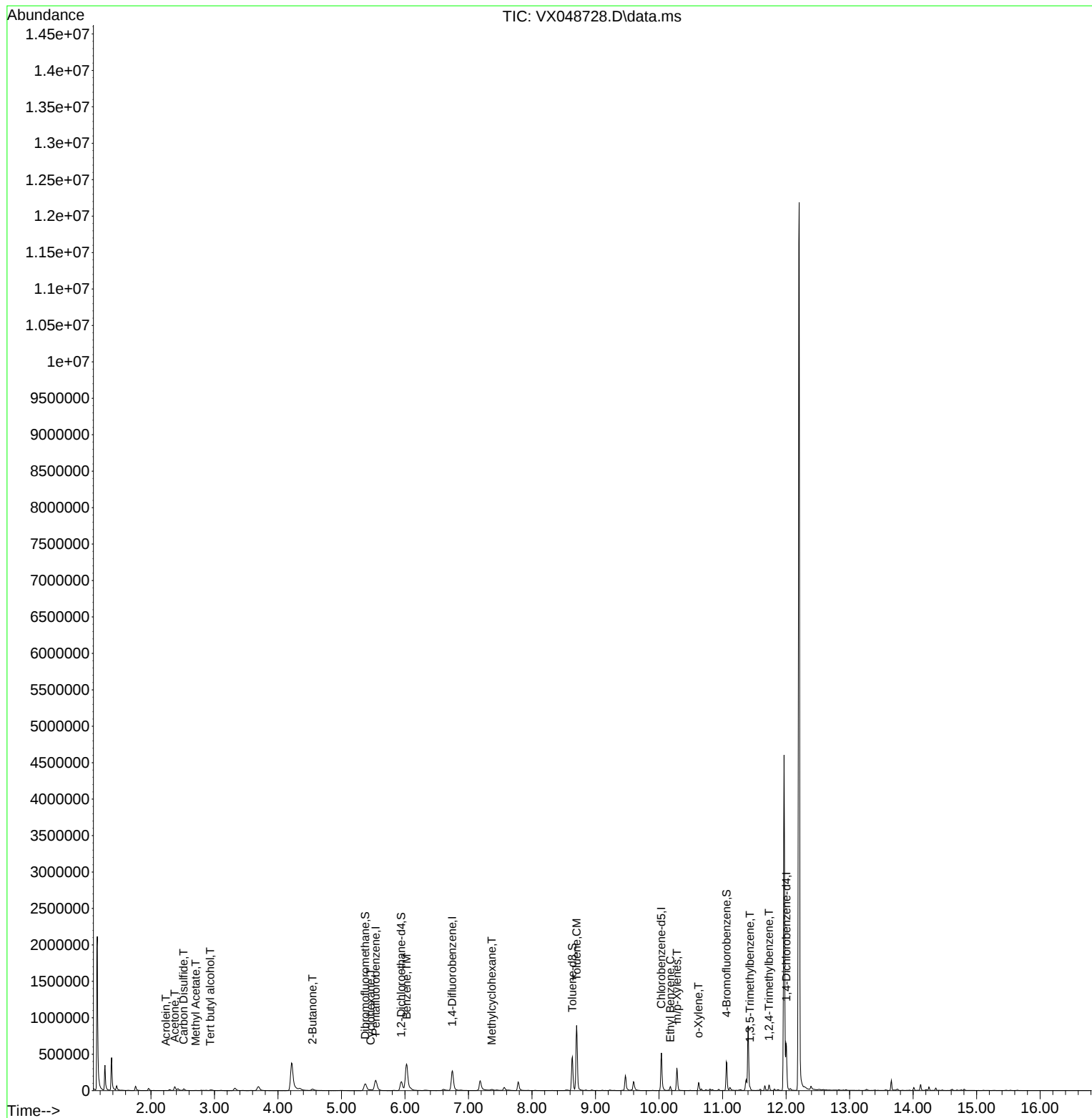
Internal Standards						
1) Pentafluorobenzene	5.537	168	144763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	312507	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	239153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133992	68.962	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 137.920%#			
35) Dibromofluoromethane	5.373	113	91998	42.755	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 85.520%			
50) Toluene-d8	8.634	98	295300	39.152	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 78.300%#			
62) 4-Bromofluorobenzene	11.061	95	107248	41.235	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 82.480%#			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.934	59	10997	35.056	ug/l	97
13) Acrolein	2.233	56	878	42.610	ug/l #	77
16) Acetone	2.373	43	74301	99.892	ug/l	93
17) Carbon Disulfide	2.513	76	25871	5.300	ug/l #	95
18) Methyl Acetate	2.702	43	4299	2.054	ug/l	94
25) 2-Butanone	4.543	43	36069	32.856	ug/l	94
31) Cyclohexane	5.458	56	6662	2.537	ug/l	93
39) Methylcyclohexane	7.366	83	4236	1.216	ug/l #	76
40) Benzene	6.025	78	491655	56.275	ug/l	100
52) Toluene	8.701	92	349343	66.311	ug/l	99
67) Ethyl Benzene	10.177	91	32666	3.824	ug/l	98
68) m/p-Xylenes	10.280	106	73033	21.949	ug/l	97
69) o-Xylene	10.622	106	24188	7.758	ug/l	96
80) 1,3,5-Trimethylbenzene	11.432	105	13827	2.109	ug/l	98
84) 1,2,4-Trimethylbenzene	11.731	105	33156	5.013	ug/l	98

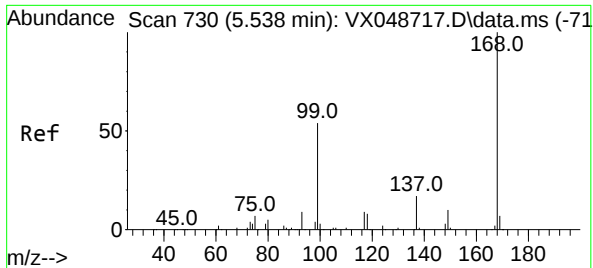
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 05 22:01:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

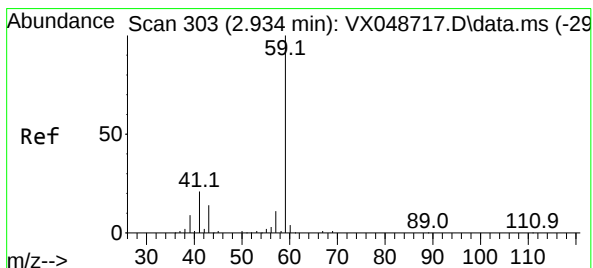
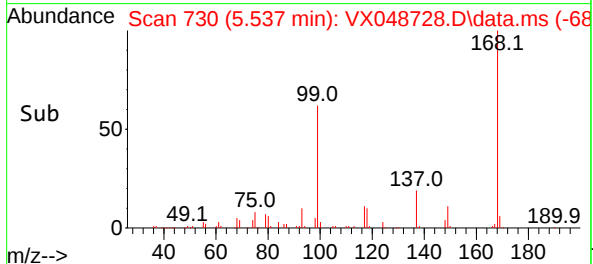
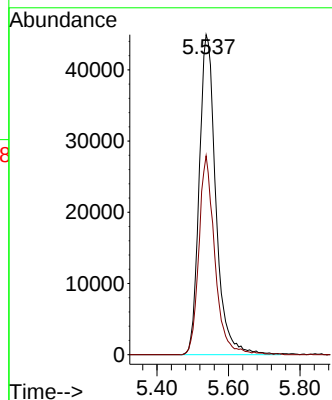
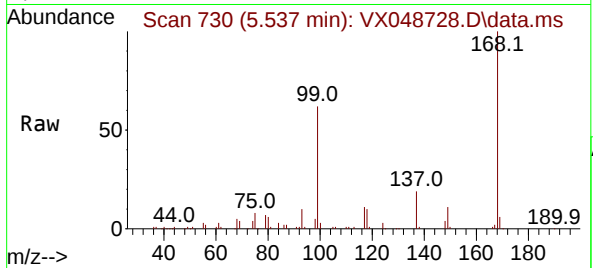




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

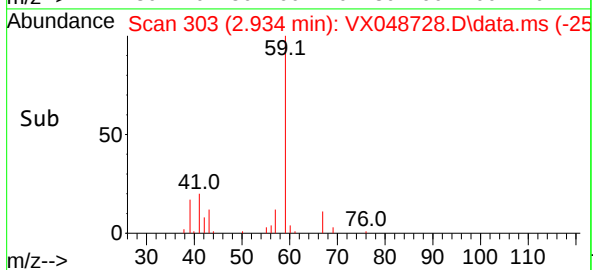
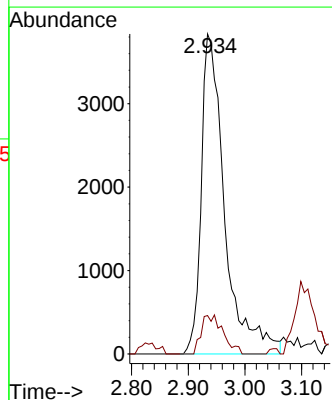
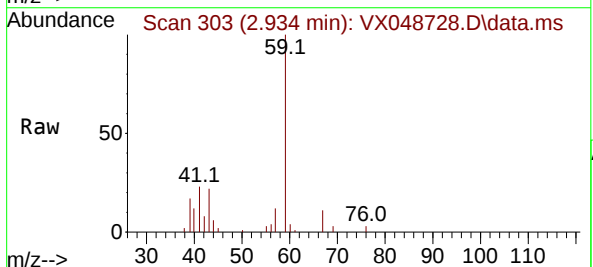
Instrument :
MSVOA_X
ClientSampleId :
NGKO

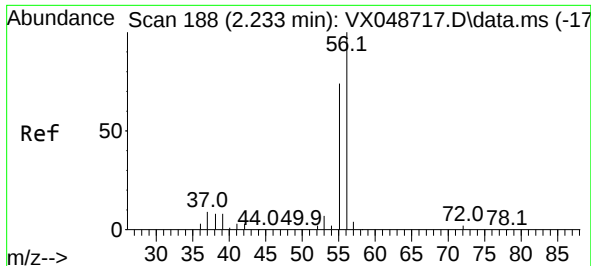
Tgt Ion:168 Resp: 144763
Ion Ratio Lower Upper
168 100
99 62.2 44.2 66.4



#11
Tert butyl alcohol
Concen: 35.056 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.000 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

Tgt Ion: 59 Resp: 10997
Ion Ratio Lower Upper
59 100
57 11.3 8.1 12.1

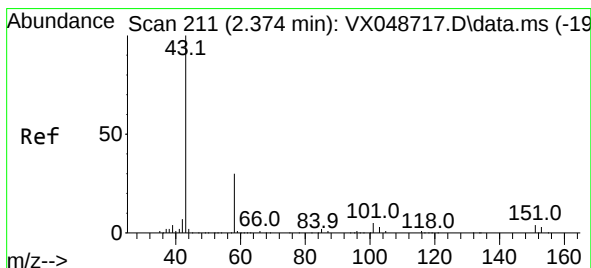
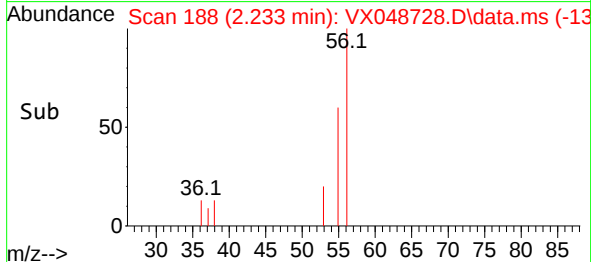
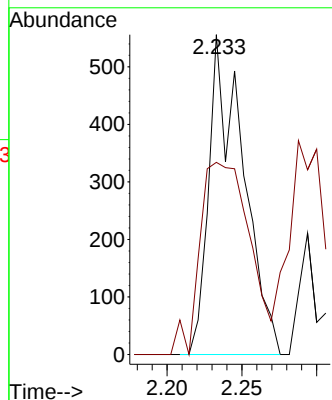
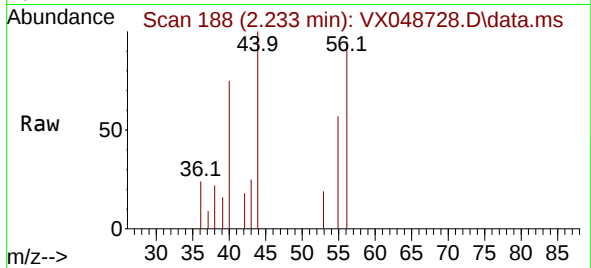




#13
Acrolein
Concen: 42.610 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

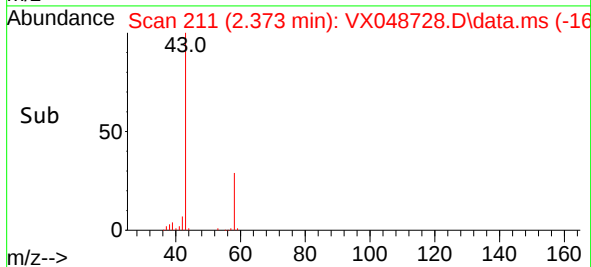
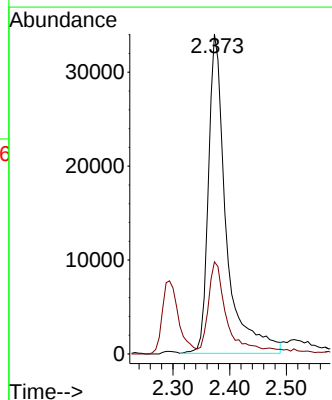
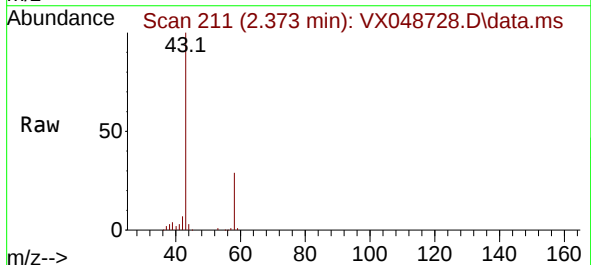
Instrument :
MSVOA_X
ClientSampleId :
NGKO

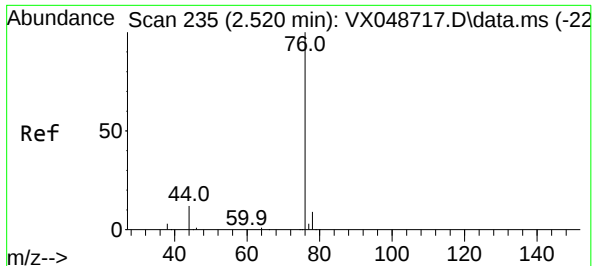
Tgt Ion: 56 Resp: 878
Ion Ratio Lower Upper
56 100
55 88.6 55.8 83.6#



#16
Acetone
Concen: 99.892 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

Tgt Ion: 43 Resp: 74301
Ion Ratio Lower Upper
43 100
58 27.4 25.0 37.4





#17

Carbon Disulfide

Concen: 5.300 ug/l

RT: 2.513 min Scan# 21

Delta R.T. -0.007 min

Lab File: VX048728.D

Acq: 05 Dec 2025 12:20

Instrument :

MSVOA_X

ClientSampleId :

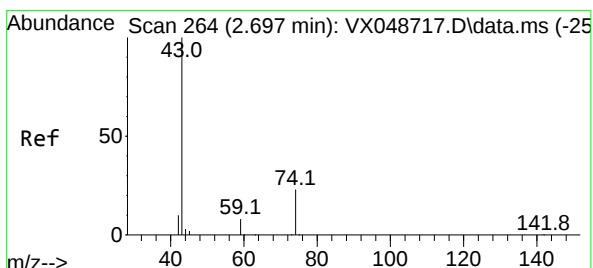
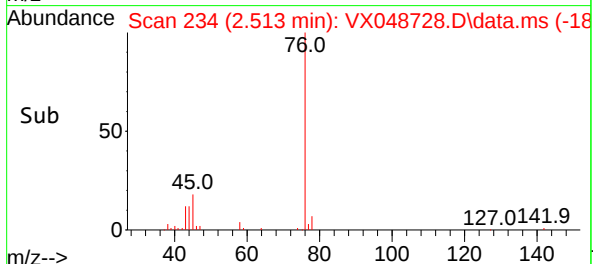
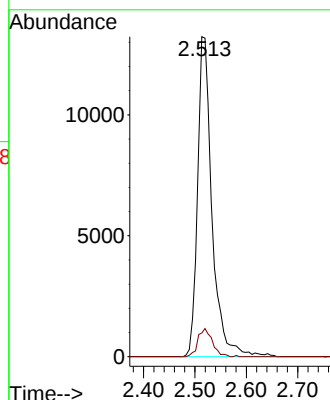
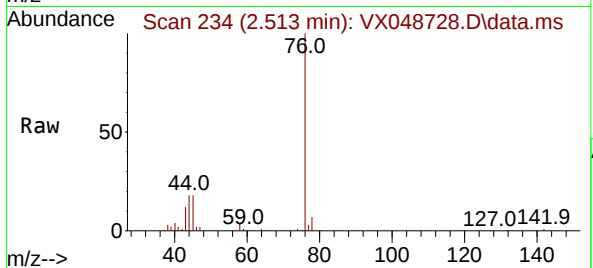
NGKO

Tgt Ion: 76 Resp: 25871

Ion Ratio Lower Upper

76 100

78 7.4 7.4 11.2#



#18

Methyl Acetate

Concen: 2.054 ug/l

RT: 2.702 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX048728.D

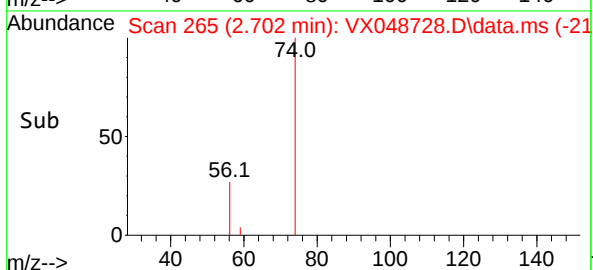
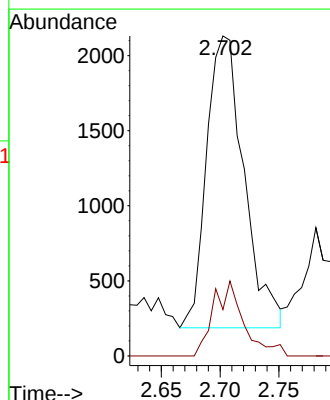
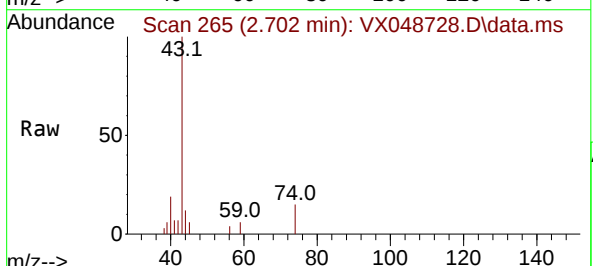
Acq: 05 Dec 2025 12:20

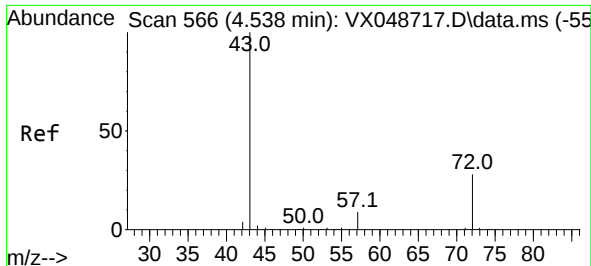
Tgt Ion: 43 Resp: 4299

Ion Ratio Lower Upper

43 100

74 20.9 19.2 28.8

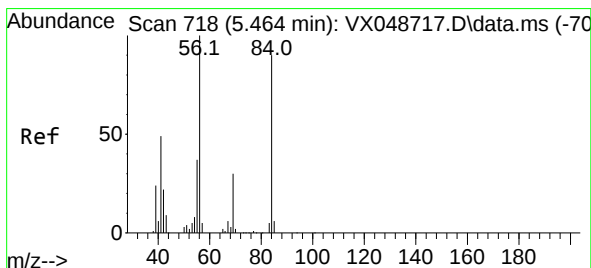
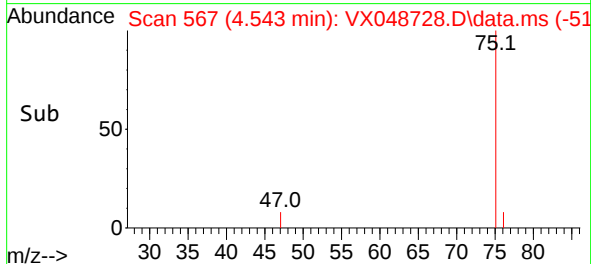
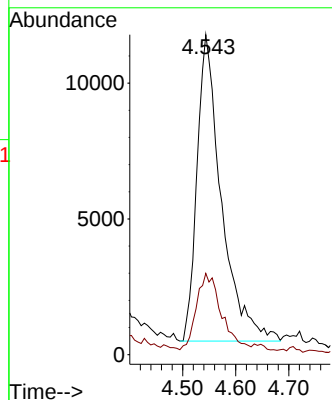
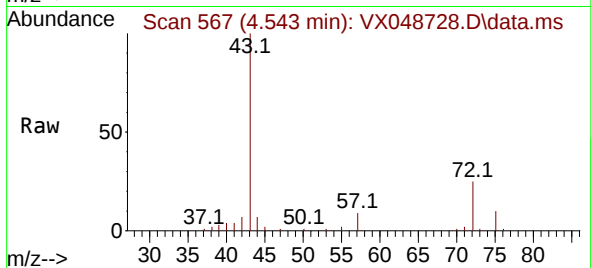




#25
2-Butanone
Concen: 32.856 ug/l
RT: 4.543 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

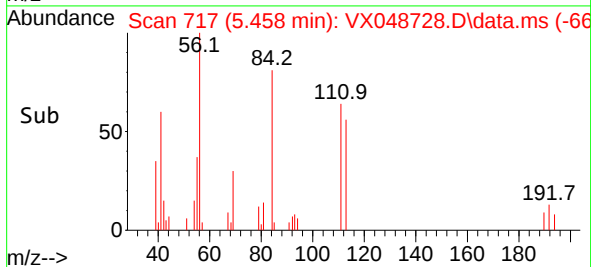
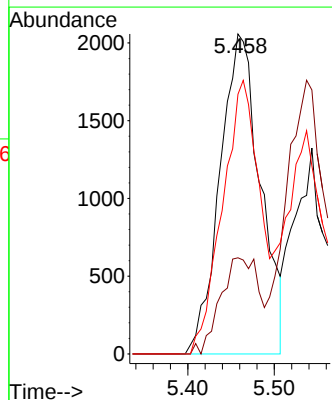
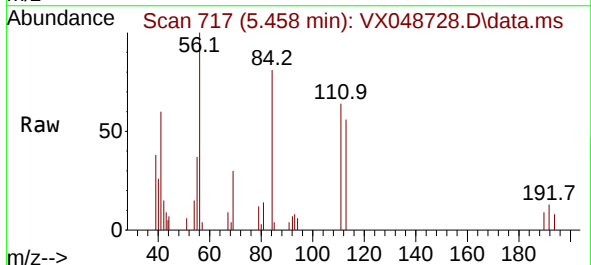
Instrument :
MSVOA_X
ClientSampleId :
NGKO

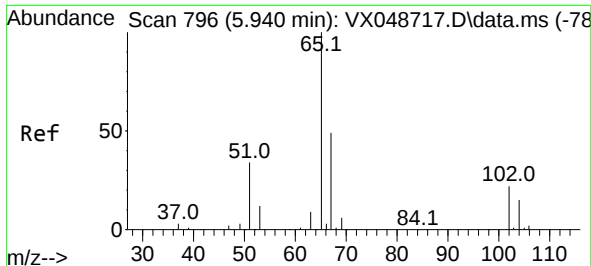
Tgt Ion: 43 Resp: 36069
Ion Ratio Lower Upper
43 100
72 24.9 22.6 34.0



#31
Cyclohexane
Concen: 2.537 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

Tgt Ion: 56 Resp: 6662
Ion Ratio Lower Upper
56 100
69 30.0 24.2 36.2
84 81.1 72.1 108.1





#33

1,2-Dichloroethane-d4

Concen: 68.962 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048728.D

Acq: 05 Dec 2025 12:20

Instrument :

MSVOA_X

ClientSampleId :

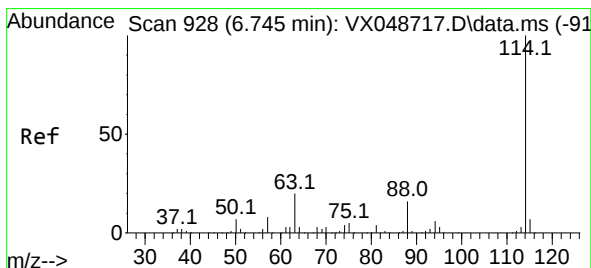
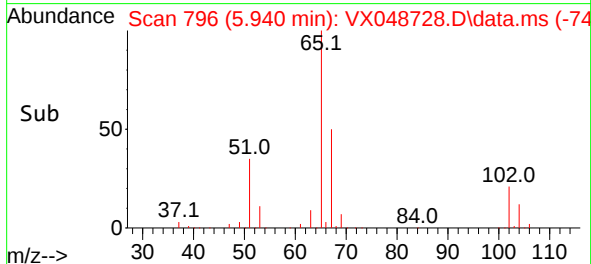
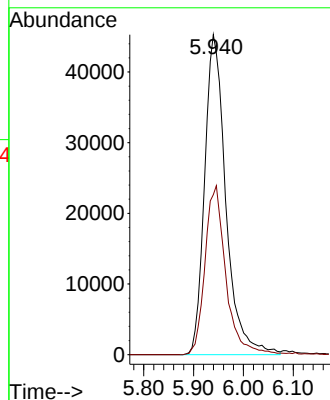
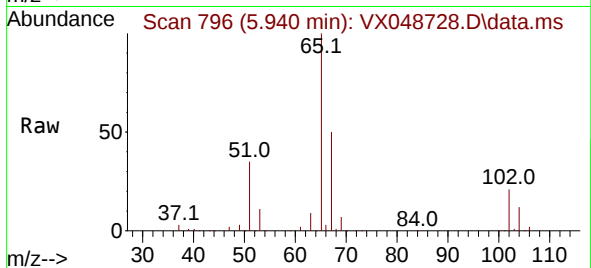
NGKO

Tgt Ion: 65 Resp: 133992

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.744 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048728.D

Acq: 05 Dec 2025 12:20

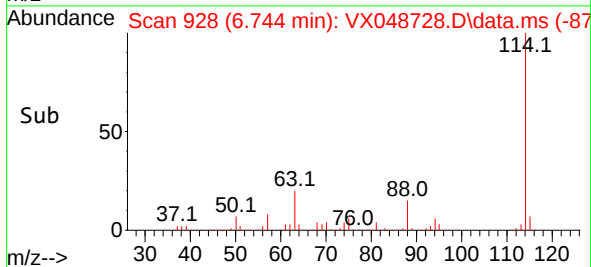
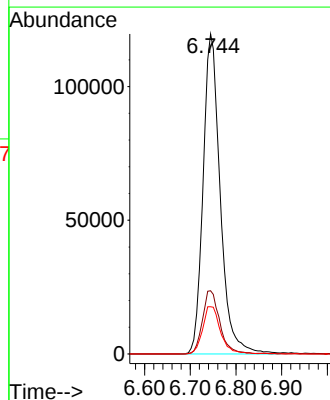
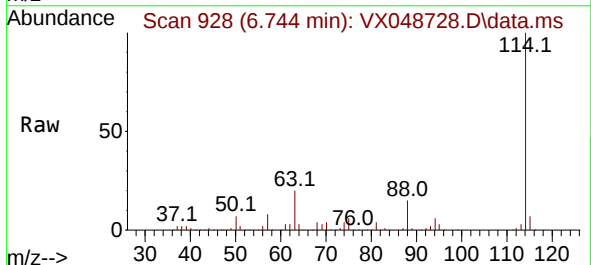
Tgt Ion: 114 Resp: 312507

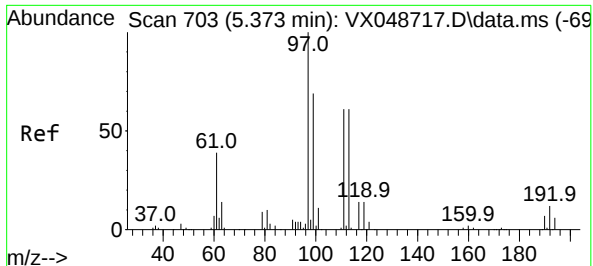
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

88 14.8 0.0 31.8

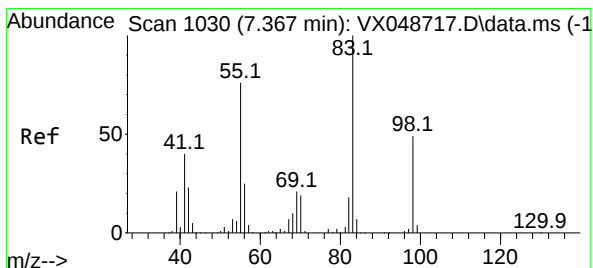
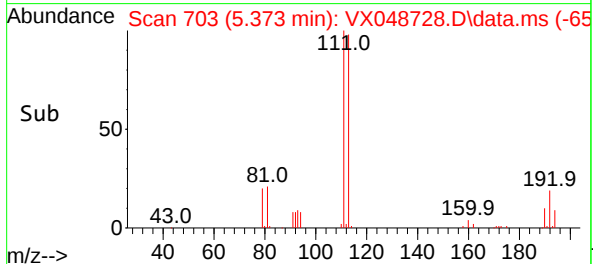
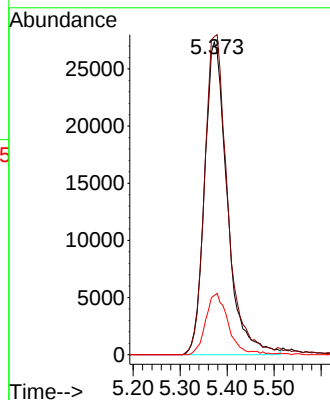
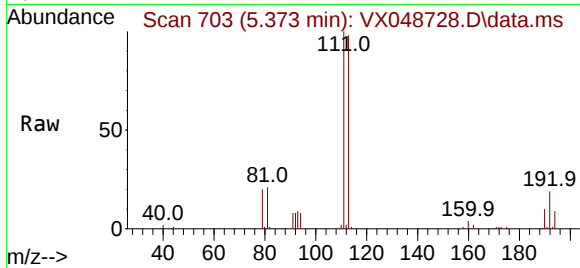




#35
Dibromofluoromethane
Concen: 42.755 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

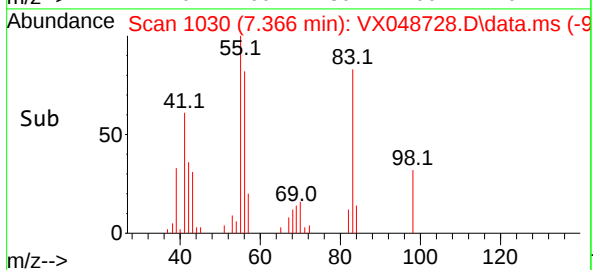
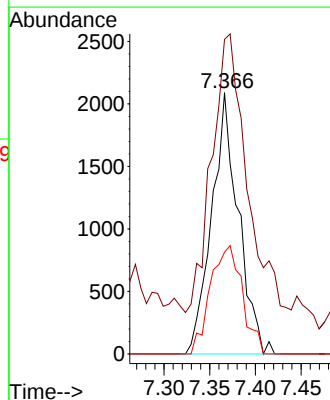
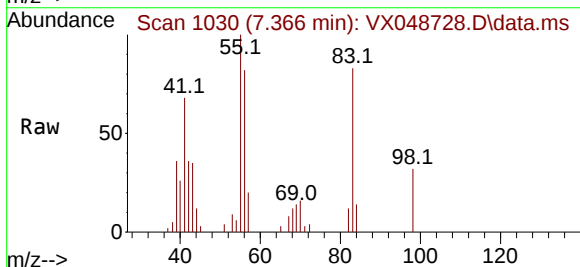
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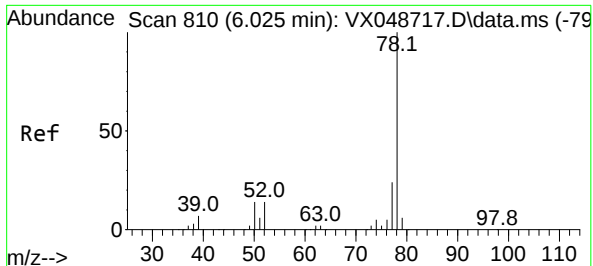
Tgt Ion:113 Resp: 91998
Ion Ratio Lower Upper
113 100
111 103.2 79.5 119.3
192 18.8 16.1 24.1



#39
Methylcyclohexane
Concen: 1.216 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

Tgt Ion: 83 Resp: 4236
Ion Ratio Lower Upper
83 100
55 102.0 60.6 90.8#
98 38.9 39.3 58.9#

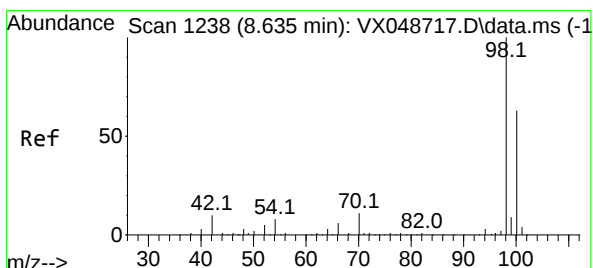
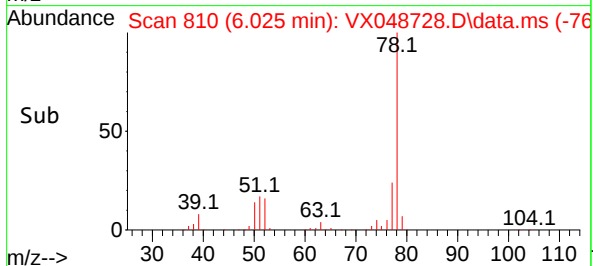
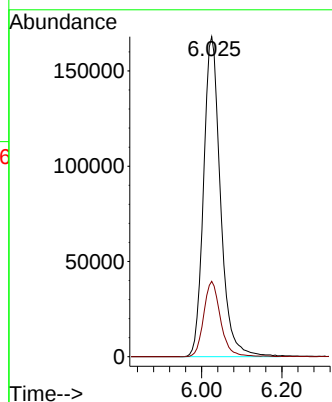
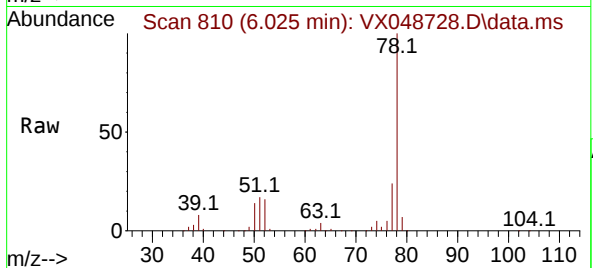




#40
Benzene
Concen: 56.275 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

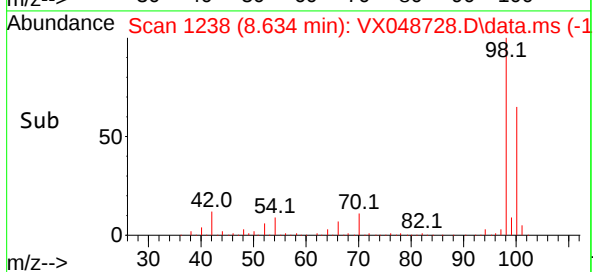
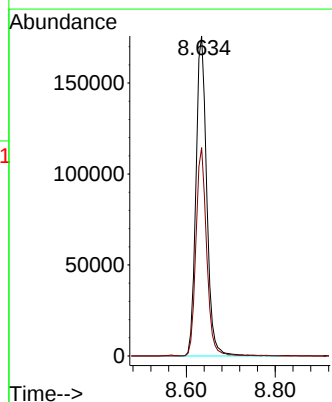
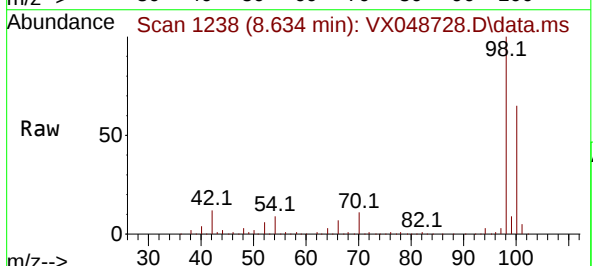
Instrument :
MSVOA_X
ClientSampleId :
NGKO

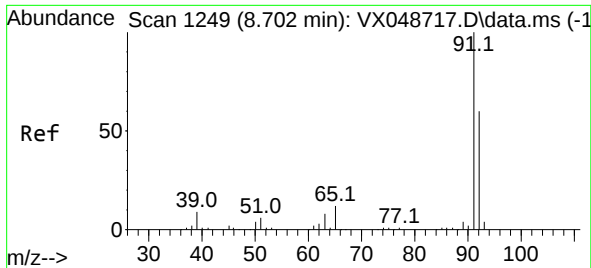
Tgt Ion: 78 Resp: 491655
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



#50
Toluene-d8
Concen: 39.152 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

Tgt Ion: 98 Resp: 295300
Ion Ratio Lower Upper
98 100
100 64.1 53.4 80.0

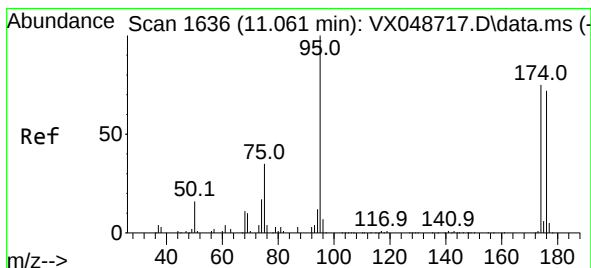
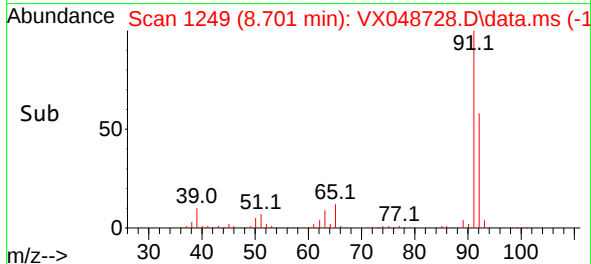
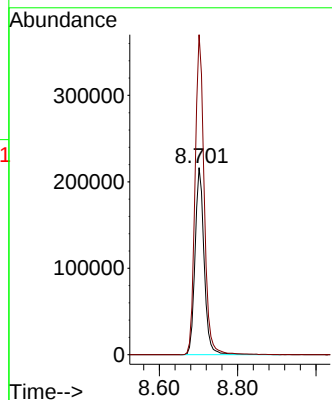
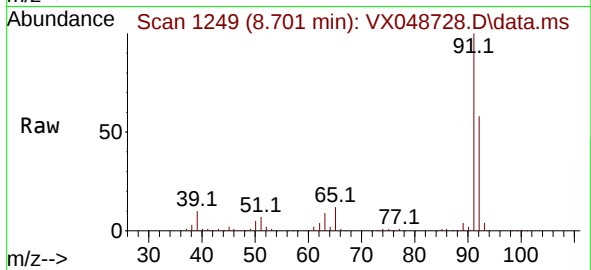




#52
Toluene
Concen: 66.311 ug/l
RT: 8.701 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

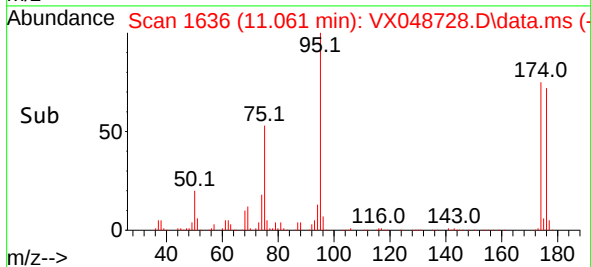
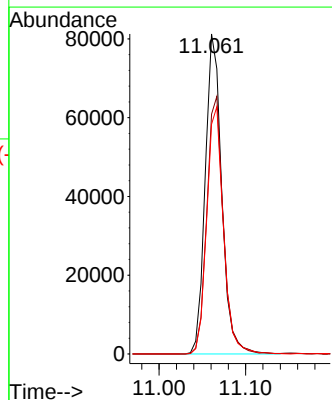
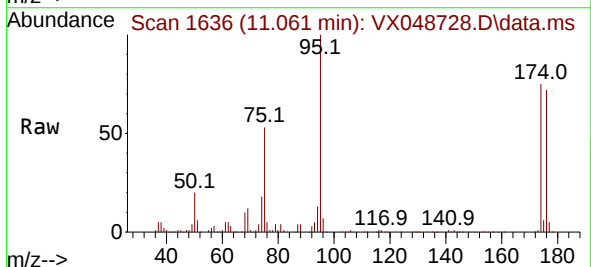
Instrument :
MSVOA_X
ClientSampleId :
NGKO

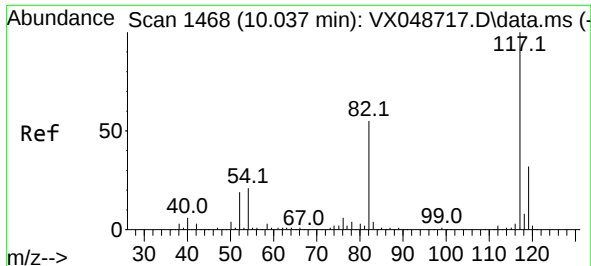
Tgt Ion: 92 Resp: 349343
Ion Ratio Lower Upper
92 100
91 171.7 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 41.235 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

Tgt Ion: 95 Resp: 107248
Ion Ratio Lower Upper
95 100
174 81.2 0.0 157.8
176 78.4 0.0 154.0

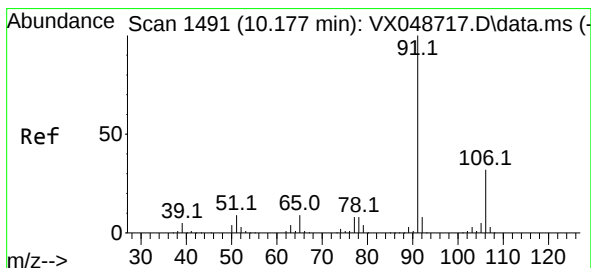
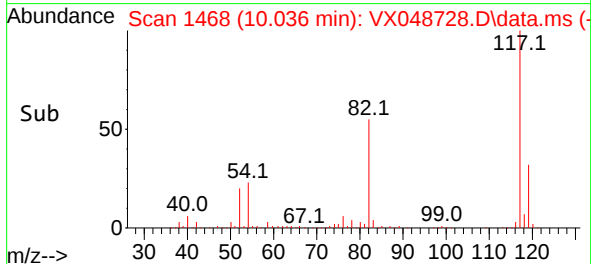
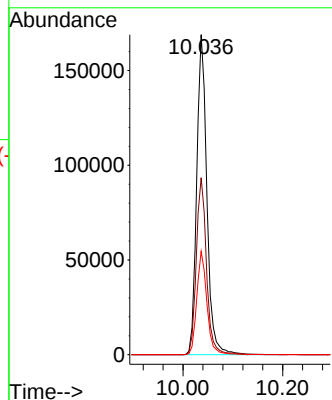
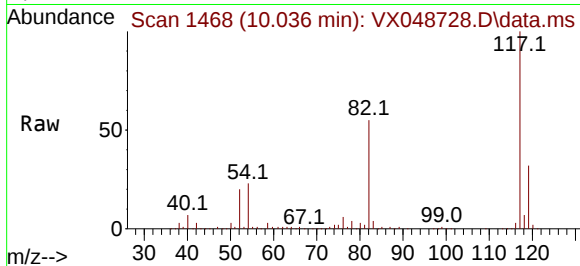




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

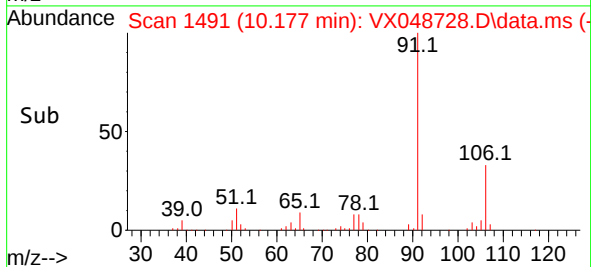
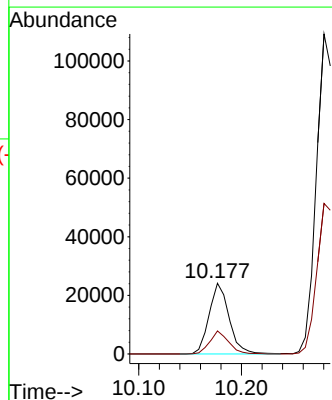
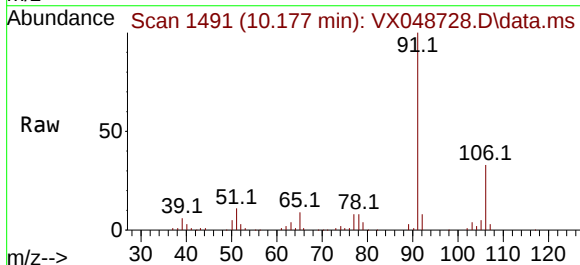
Instrument :
MSVOA_X
ClientSampleId :
NGKO

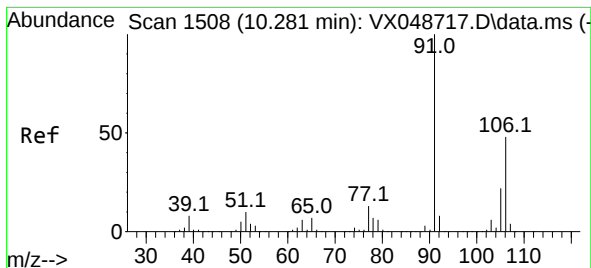
Tgt Ion:117 Resp: 239153
Ion Ratio Lower Upper
117 100
82 55.3 44.1 66.1
119 32.3 25.2 37.8



#67
Ethyl Benzene
Concen: 3.824 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048728.D
Acq: 05 Dec 2025 12:20

Tgt Ion: 91 Resp: 32666
Ion Ratio Lower Upper
91 100
106 32.6 25.3 37.9





#68

m/p-Xylenes

Concen: 21.949 ug/l

RT: 10.280 min Scan# 1508

Delta R.T. -0.000 min

Lab File: VX048728.D

Acq: 05 Dec 2025 12:20

Instrument :

MSVOA_X

ClientSampleId :

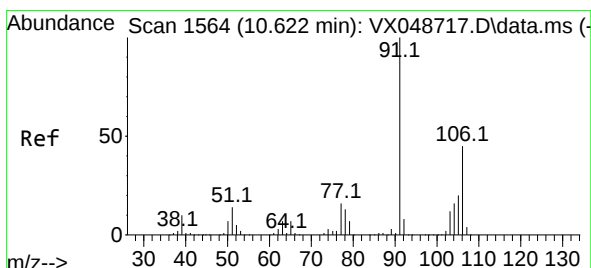
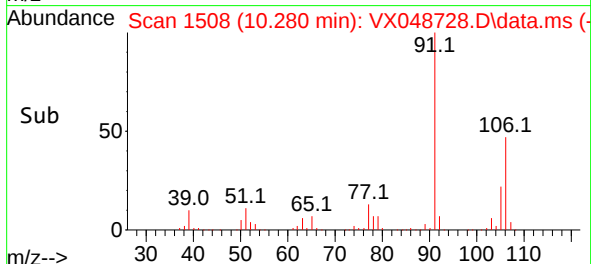
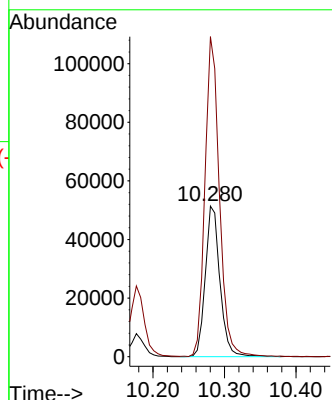
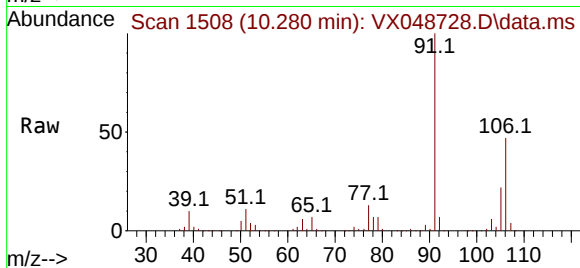
NGKO

Tgt Ion:106 Resp: 73033

Ion Ratio Lower Upper

106 100

91 210.4 164.2 246.4



#69

o-Xylene

Concen: 7.758 ug/l

RT: 10.622 min Scan# 1564

Delta R.T. -0.000 min

Lab File: VX048728.D

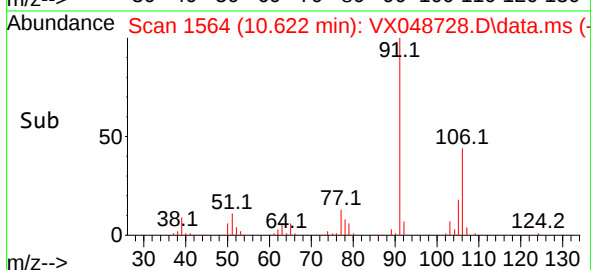
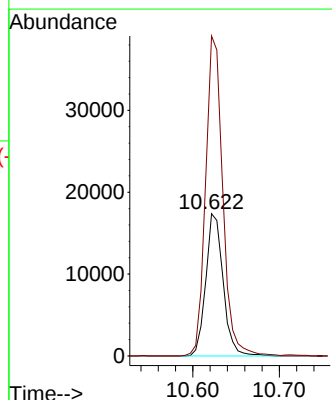
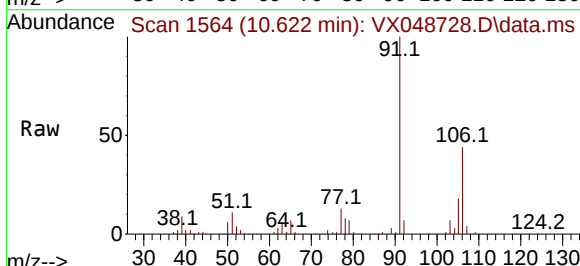
Acq: 05 Dec 2025 12:20

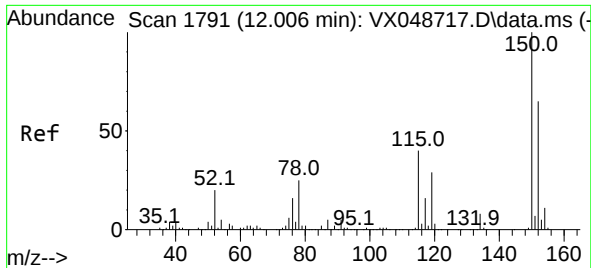
Tgt Ion:106 Resp: 24188

Ion Ratio Lower Upper

106 100

91 222.9 108.1 324.3

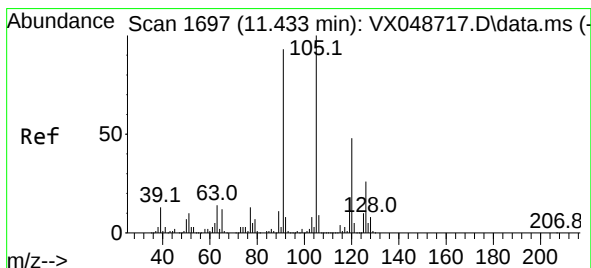
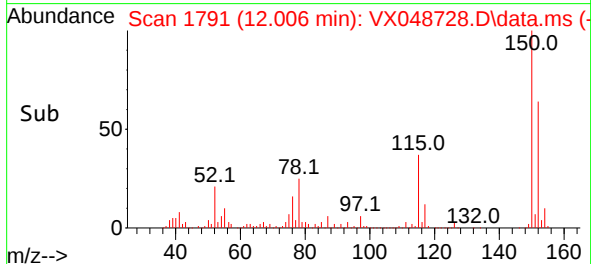
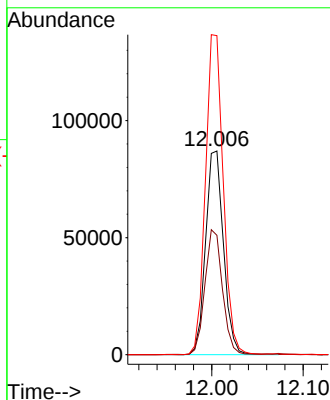
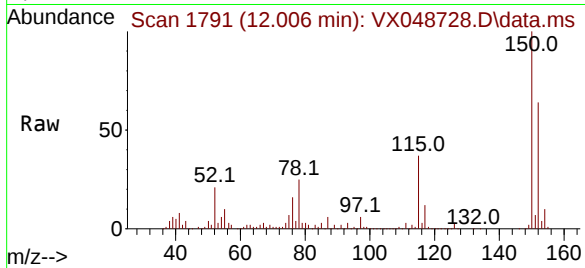




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX048728.D
 Acq: 05 Dec 2025 12:20

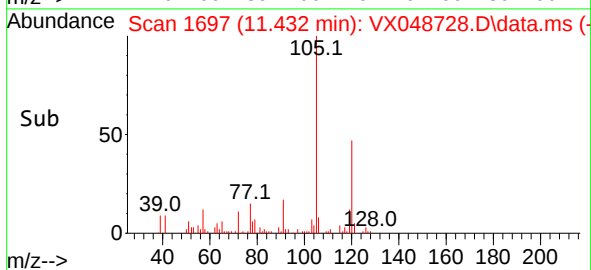
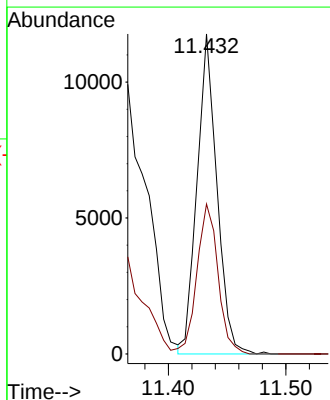
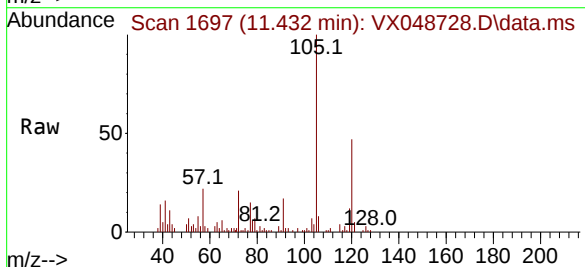
Instrument :
 MSVOA_X
 ClientSampleId :
 NGKO

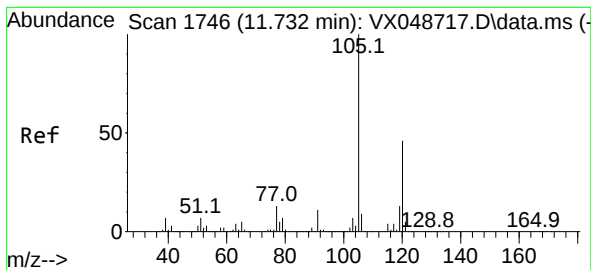
Tgt Ion:152 Resp: 118381
 Ion Ratio Lower Upper
 152 100
 115 60.0 42.1 126.4
 150 156.2 0.0 347.8



#80
 1,3,5-Trimethylbenzene
 Concen: 2.109 ug/l
 RT: 11.432 min Scan# 1697
 Delta R.T. -0.000 min
 Lab File: VX048728.D
 Acq: 05 Dec 2025 12:20

Tgt Ion:105 Resp: 13827
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.4 73.2





#84

1,2,4-Trimethylbenzene

Concen: 5.013 ug/l

RT: 11.731 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048728.D

Acq: 05 Dec 2025 12:20

Instrument :

MSVOA_X

ClientSampleId :

NGKO

Tgt Ion:105 Resp: 33156

Ion Ratio Lower Upper

105 100

120 43.1 22.3 66.8

