

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
 Data File : VX048729.D
 Acq On : 05 Dec 2025 12:50
 Operator : JC/MD
 Sample : Q3775-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NGKORE

Quant Time: Dec 05 22:02:11 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)

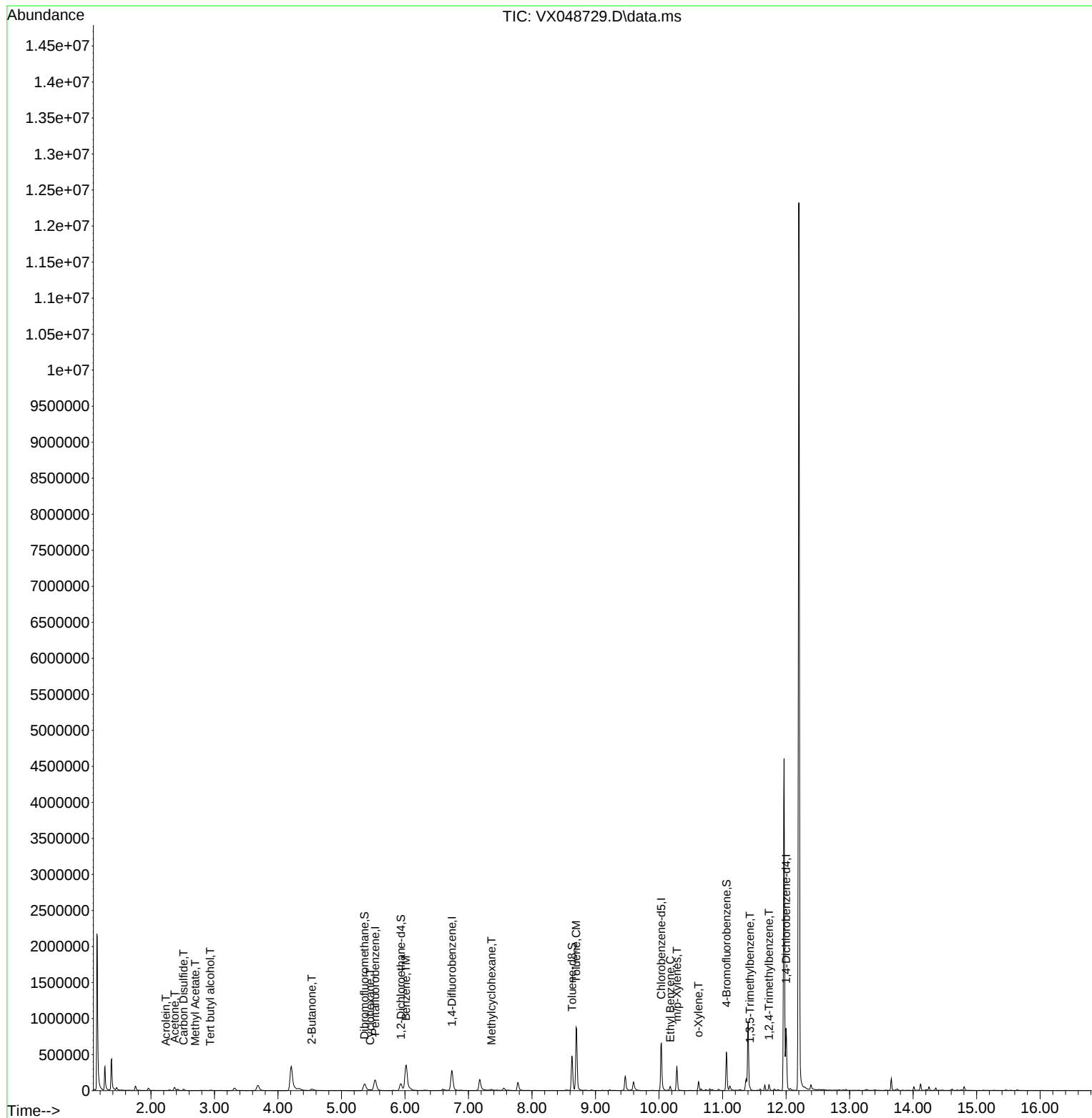
Internal Standards						
1) Pentafluorobenzene	5.531	168	156998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	312173	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	323095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	158768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	104589	49.634	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.260%
35) Dibromofluoromethane	5.361	113	92087	42.842	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.680%
50) Toluene-d8	8.628	98	299751	39.784	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	79.560%#
62) 4-Bromofluorobenzene	11.061	95	145609	56.044	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.080%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	8187	24.065	ug/l	97
13) Acrolein	2.233	56	733	42.050	ug/l	98
16) Acetone	2.373	43	60827	75.404	ug/l	91
17) Carbon Disulfide	2.514	76	20046	3.786	ug/l	98
18) Methyl Acetate	2.697	43	2906	1.280	ug/l	95
25) 2-Butanone	4.532	43	34503	28.980	ug/l	90
31) Cyclohexane	5.452	56	6773	2.378	ug/l	96
39) Methylcyclohexane	7.360	83	4446	1.277	ug/l #	66
40) Benzene	6.013	78	476354	54.582	ug/l	99
52) Toluene	8.696	92	347810	66.091	ug/l	100
67) Ethyl Benzene	10.177	91	34823	3.018	ug/l	95
68) m/p-Xylenes	10.281	106	82468	18.345	ug/l	97
69) o-Xylene	10.622	106	26779	6.357	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	12909	1.468	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	33797	3.810	ug/l	96

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

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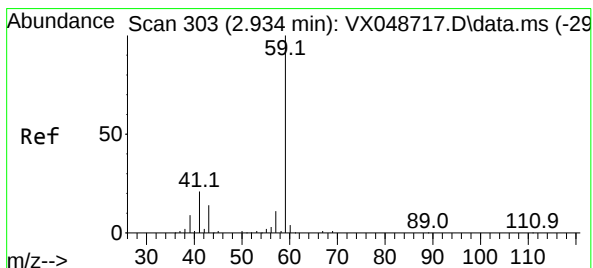
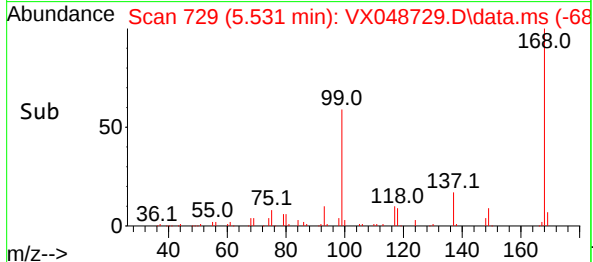
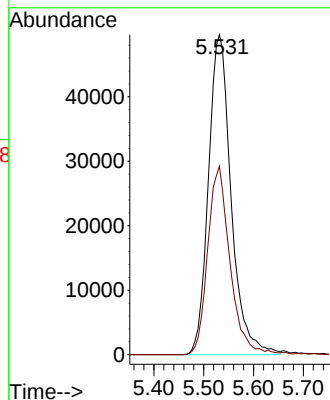
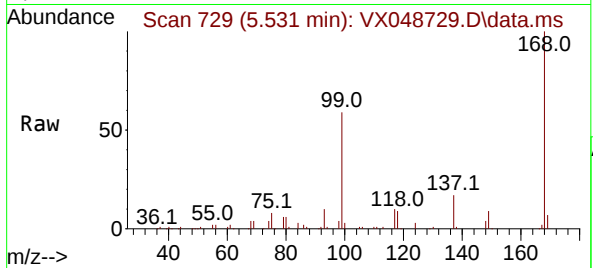




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

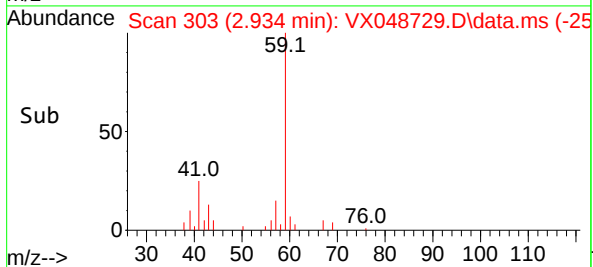
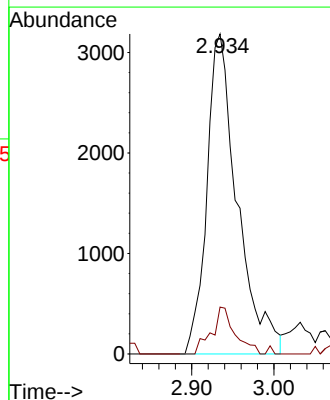
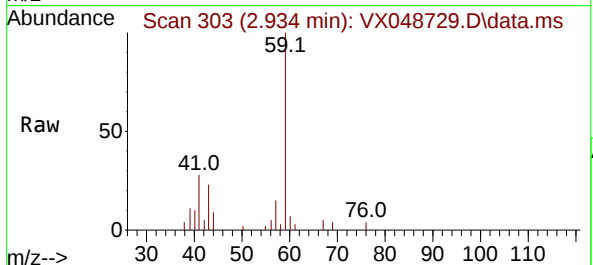
Instrument :
MSVOA_X
ClientSampleId :
NGKORE

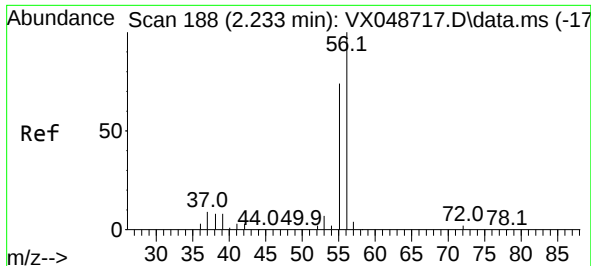
Tgt Ion:168 Resp: 156998
Ion Ratio Lower Upper
168 100
99 58.9 44.2 66.4



#11
Tert butyl alcohol
Concen: 24.065 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.000 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

Tgt Ion: 59 Resp: 8187
Ion Ratio Lower Upper
59 100
57 11.2 8.1 12.1

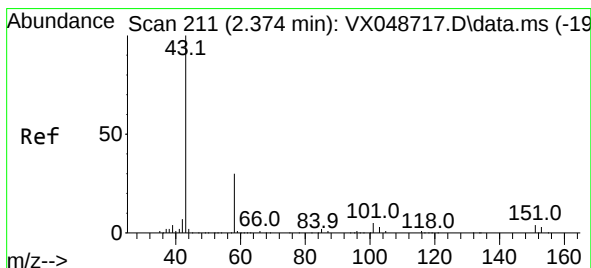
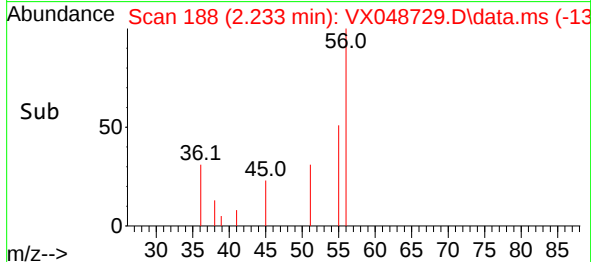
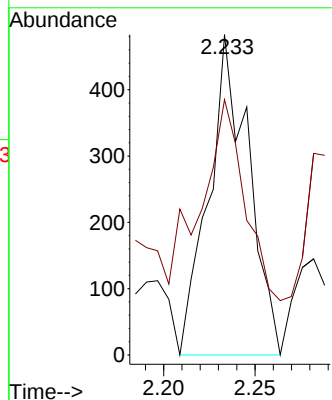
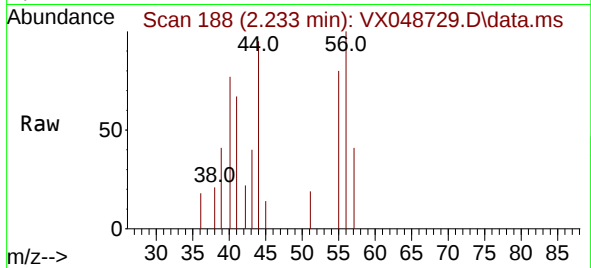




#13
Acrolein
Concen: 42.050 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

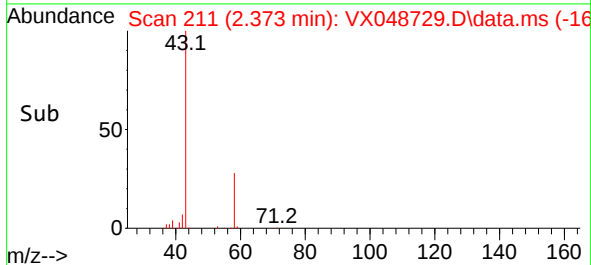
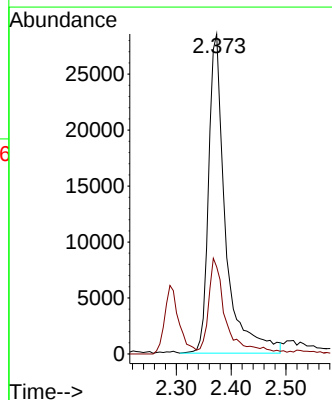
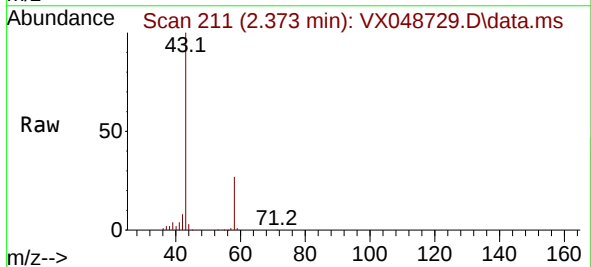
Instrument :
MSVOA_X
ClientSampleId :
NGKORE

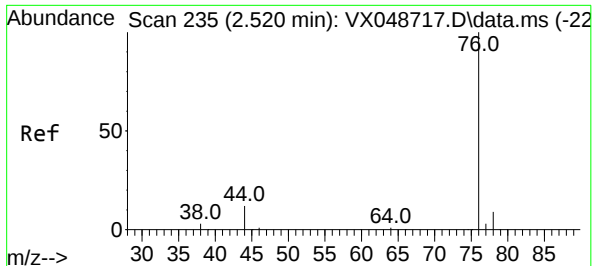
Tgt Ion: 56 Resp: 733
Ion Ratio Lower Upper
56 100
55 70.9 55.8 83.6



#16
Acetone
Concen: 75.404 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

Tgt Ion: 43 Resp: 60827
Ion Ratio Lower Upper
43 100
58 26.4 25.0 37.4

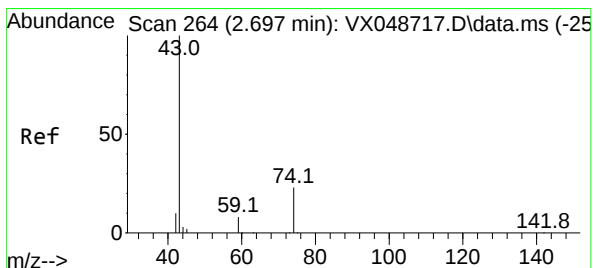
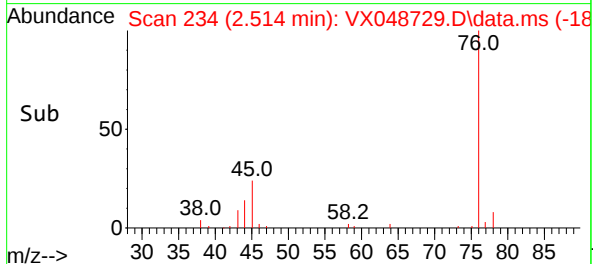
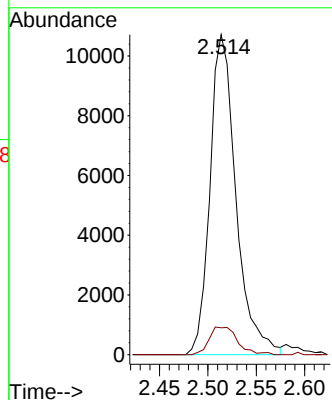
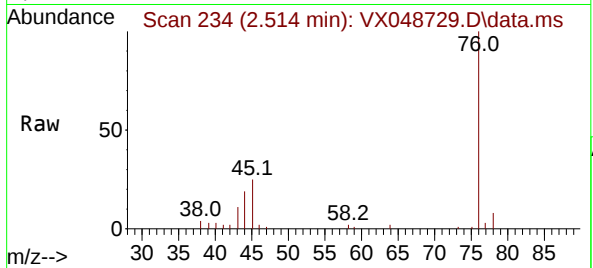




#17
Carbon Disulfide
Concen: 3.786 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

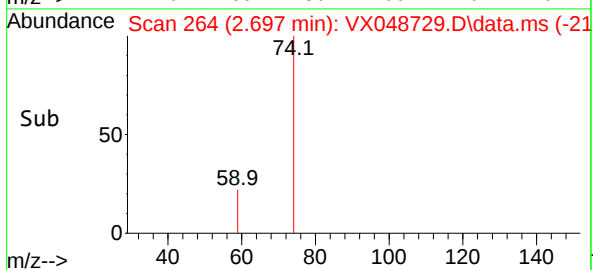
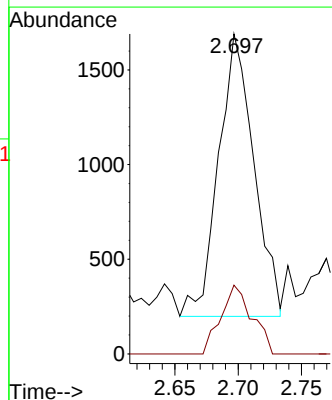
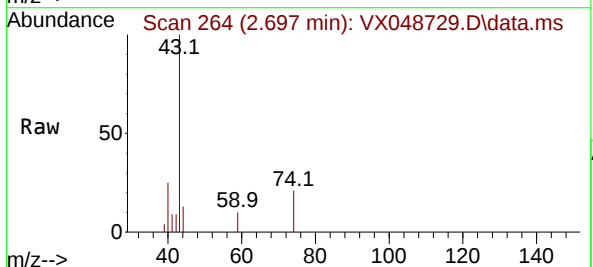
Instrument :
MSVOA_X
ClientSampleId :
NGKORE

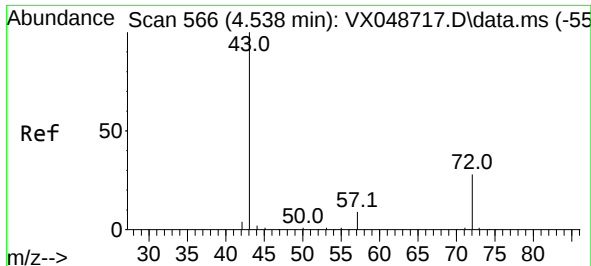
Tgt Ion: 76 Resp: 20046
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#18
Methyl Acetate
Concen: 1.280 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

Tgt Ion: 43 Resp: 2906
Ion Ratio Lower Upper
43 100
74 21.5 19.2 28.8

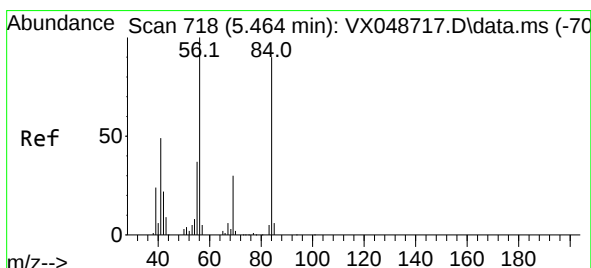
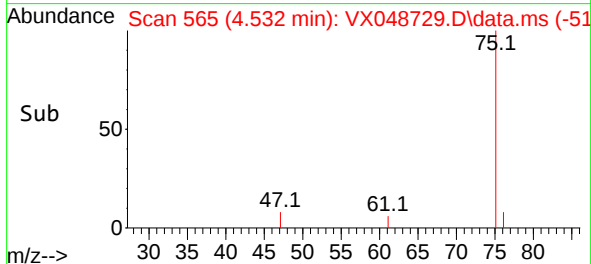
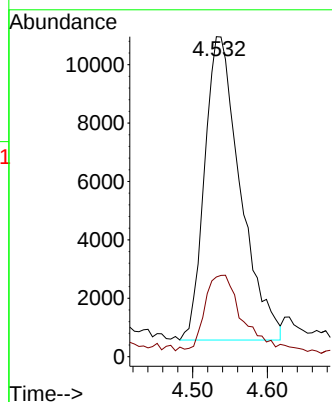
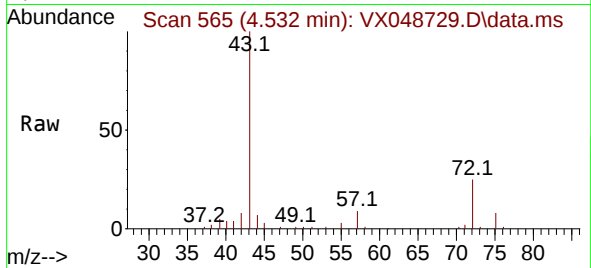




#25
2-Butanone
Concen: 28.980 ug/l
RT: 4.532 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

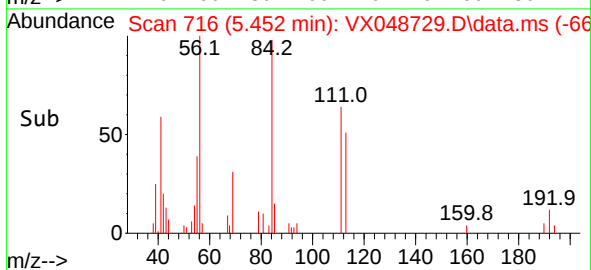
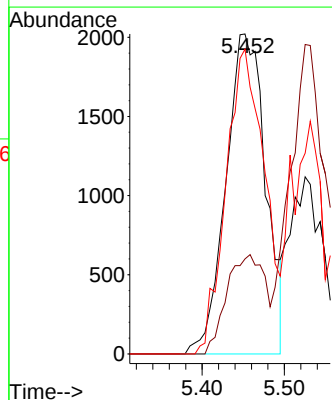
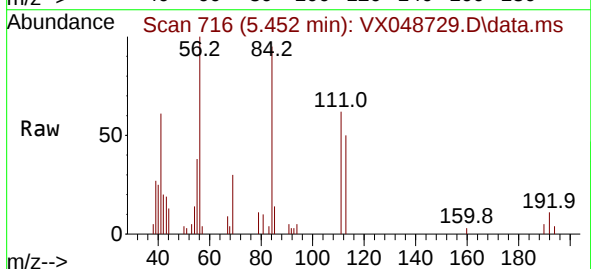
Instrument :
MSVOA_X
ClientSampleId :
NGKORE

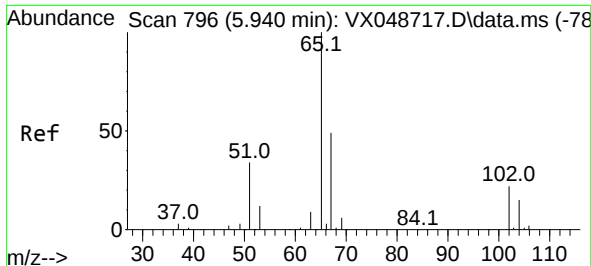
Tgt Ion: 43 Resp: 34503
Ion Ratio Lower Upper
43 100
72 23.1 22.6 34.0



#31
Cyclohexane
Concen: 2.378 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.012 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

Tgt Ion: 56 Resp: 6773
Ion Ratio Lower Upper
56 100
69 29.7 24.2 36.2
84 95.2 72.1 108.1





#33

1,2-Dichloroethane-d4

Concen: 49.634 ug/l

RT: 5.934 min Scan# 796

Delta R.T. -0.006 min

Lab File: VX048729.D

Acq: 05 Dec 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

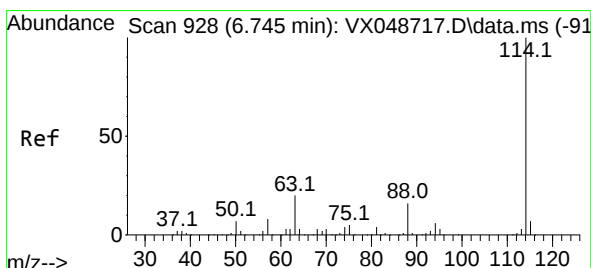
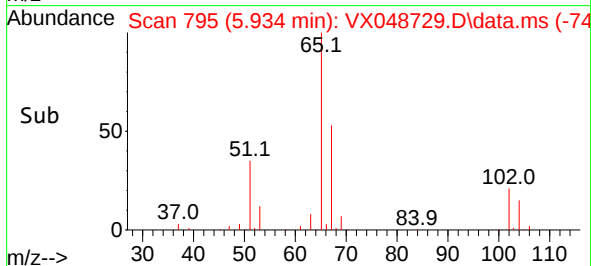
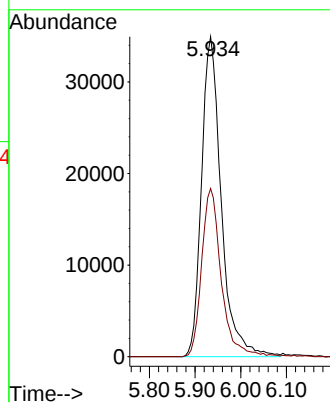
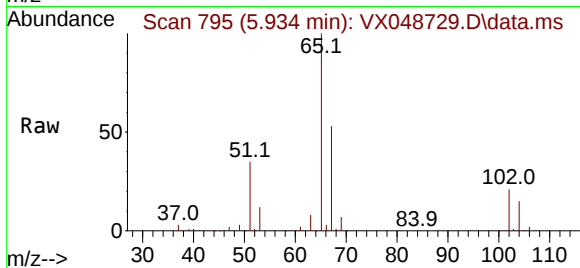
NGKORE

Tgt Ion: 65 Resp: 104589

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 927

Delta R.T. -0.006 min

Lab File: VX048729.D

Acq: 05 Dec 2025 12:50

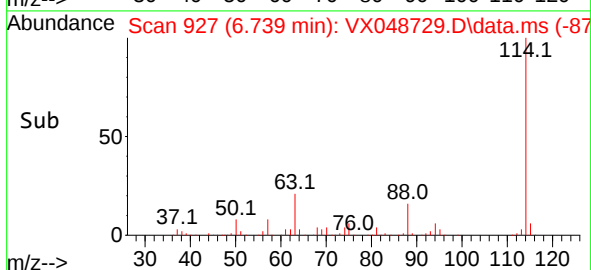
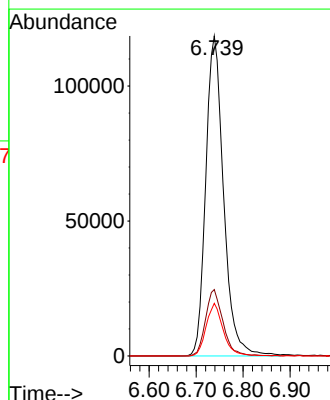
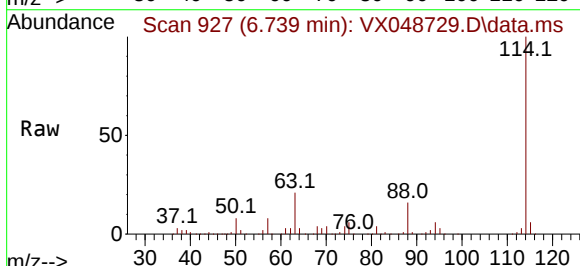
Tgt Ion: 114 Resp: 312173

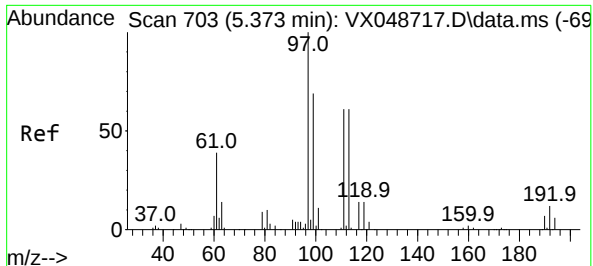
Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.0

88 16.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 42.842 ug/l

RT: 5.361 min Scan# 703

Delta R.T. -0.012 min

Lab File: VX048729.D

Acq: 05 Dec 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

NGKORE

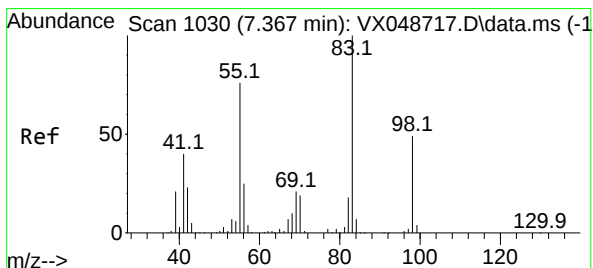
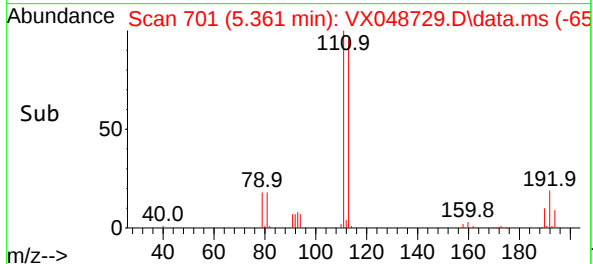
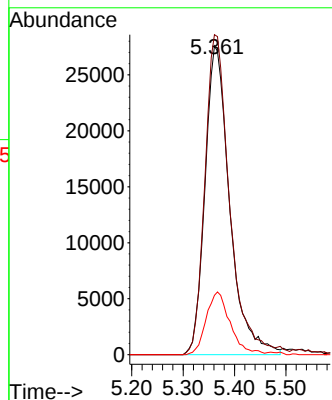
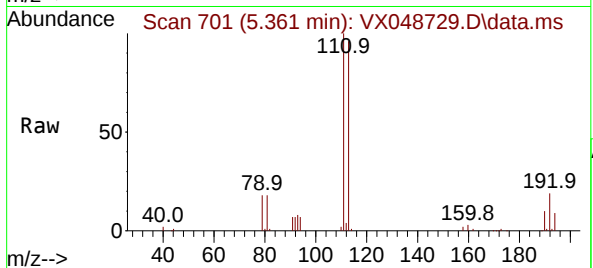
Tgt Ion:113 Resp: 92087

Ion Ratio Lower Upper

113 100

111 104.0 79.5 119.3

192 19.8 16.1 24.1



#39

Methylcyclohexane

Concen: 1.277 ug/l

RT: 7.360 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VX048729.D

Acq: 05 Dec 2025 12:50

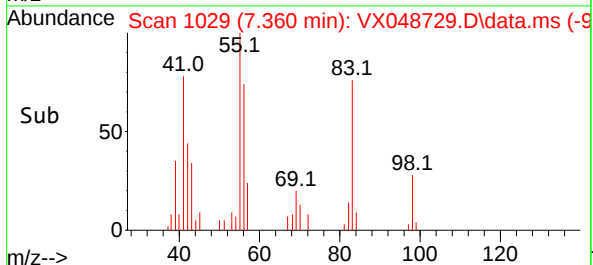
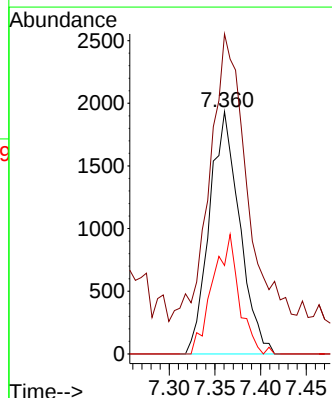
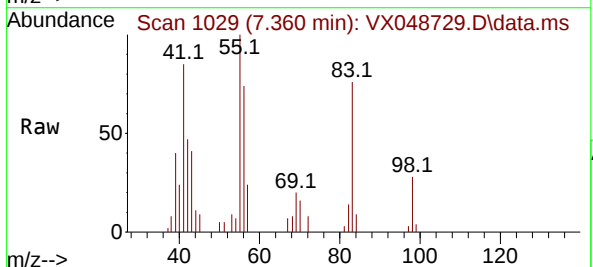
Tgt Ion: 83 Resp: 4446

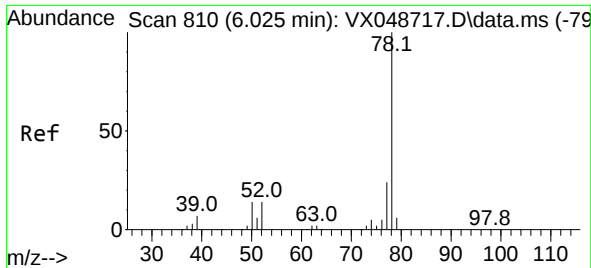
Ion Ratio Lower Upper

83 100

55 113.2 60.6 90.8#

98 36.5 39.3 58.9#

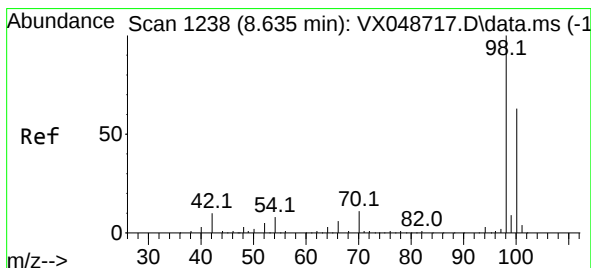
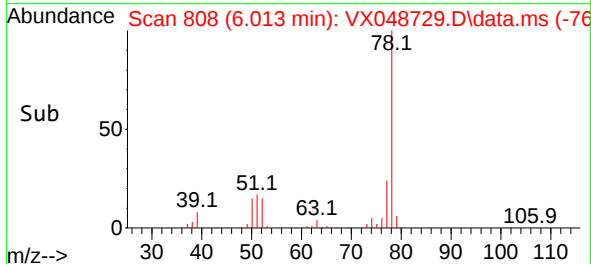
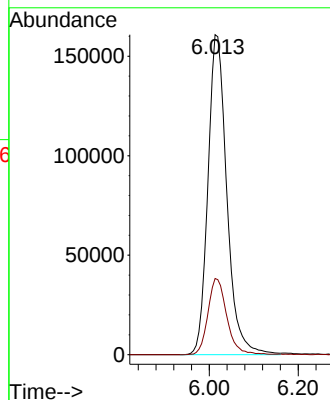
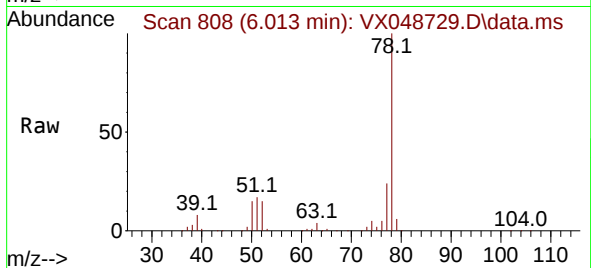




#40
Benzene
Concen: 54.582 ug/l
RT: 6.013 min Scan# 80
Delta R.T. -0.012 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

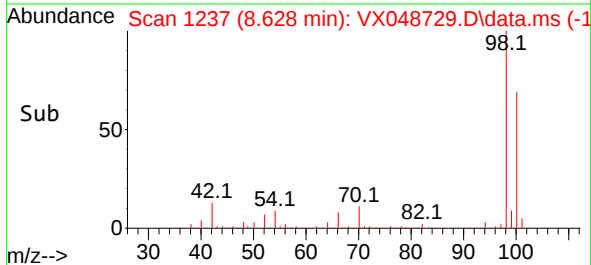
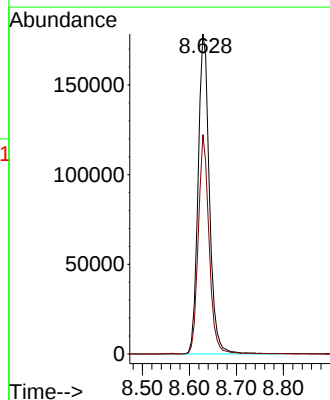
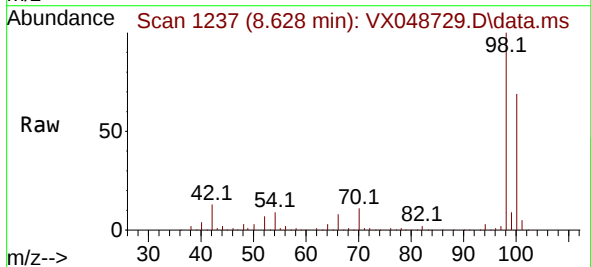
Instrument :
MSVOA_X
ClientSampleId :
NGKORE

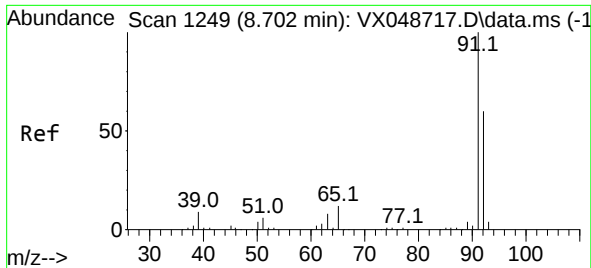
Tgt Ion: 78 Resp: 476354
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



#50
Toluene-d8
Concen: 39.784 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

Tgt Ion: 98 Resp: 299751
Ion Ratio Lower Upper
98 100
100 65.5 53.4 80.0

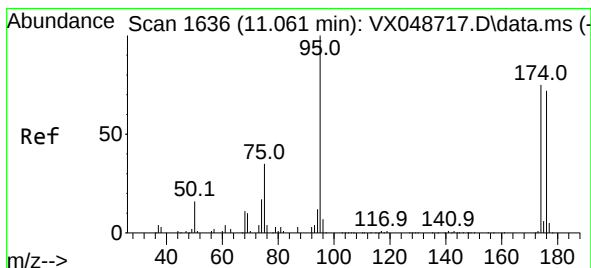
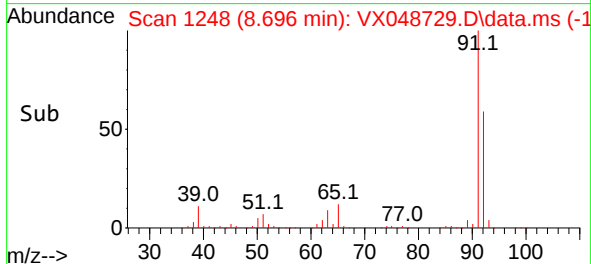
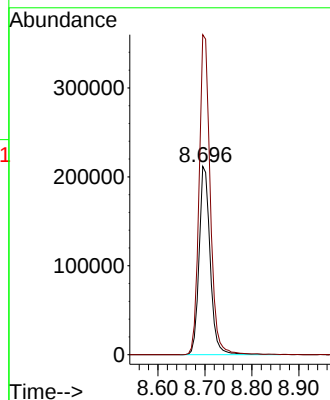
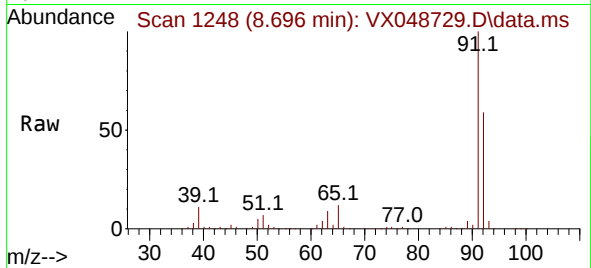




#52
Toluene
Concen: 66.091 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.006 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

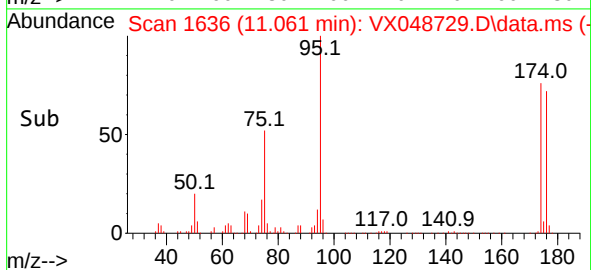
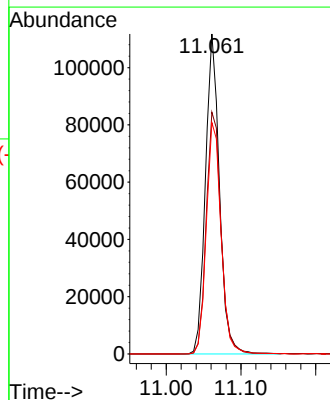
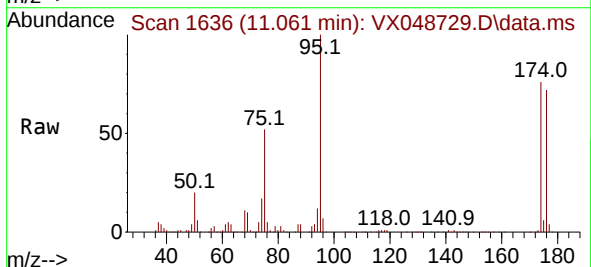
Instrument :
MSVOA_X
ClientSampleId :
NGKORE

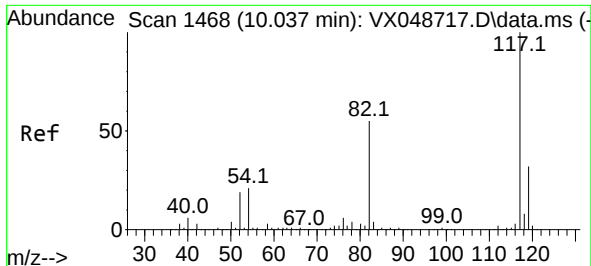
Tgt Ion: 92 Resp: 347810
Ion Ratio Lower Upper
92 100
91 170.8 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 56.044 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

Tgt Ion: 95 Resp: 145609
Ion Ratio Lower Upper
95 100
174 79.8 0.0 157.8
176 76.0 0.0 154.0

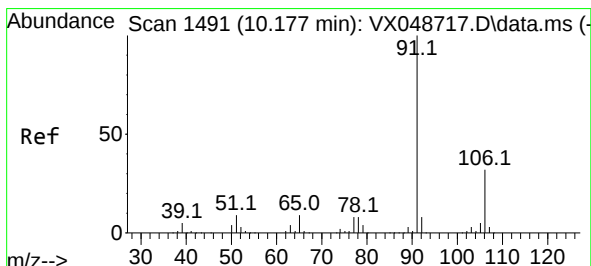
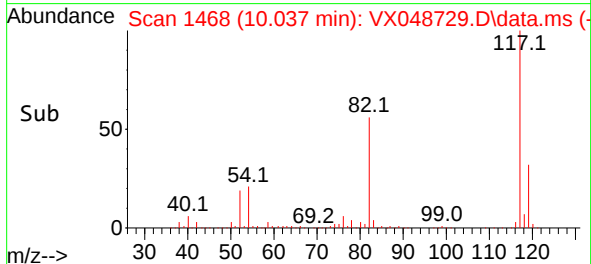
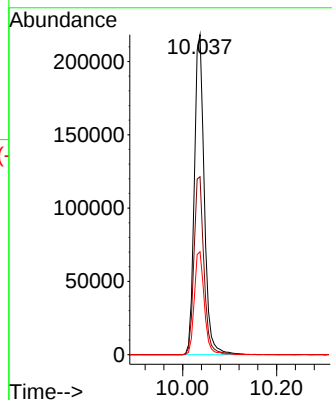
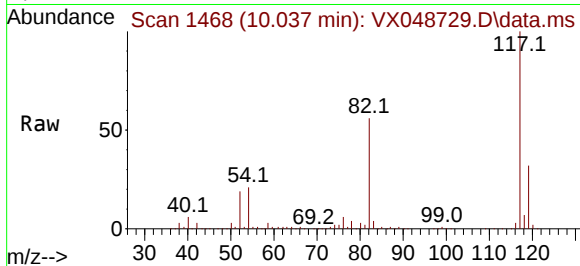




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

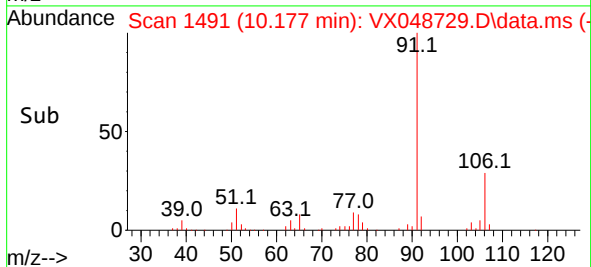
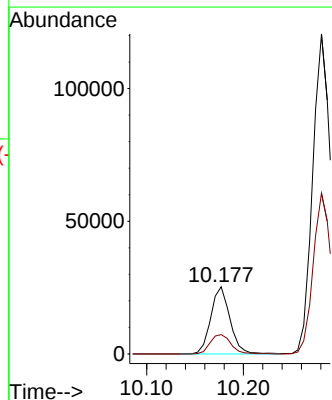
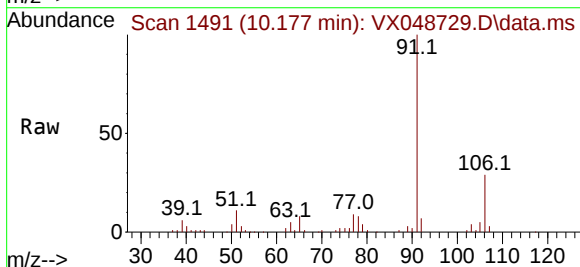
Instrument :
MSVOA_X
ClientSampleId :
NGKORE

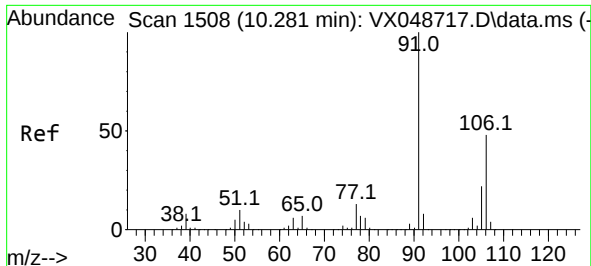
Tgt Ion:117 Resp: 323095
Ion Ratio Lower Upper
117 100
82 55.6 44.1 66.1
119 32.1 25.2 37.8



#67
Ethyl Benzene
Concen: 3.018 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

Tgt Ion: 91 Resp: 34823
Ion Ratio Lower Upper
91 100
106 28.8 25.3 37.9

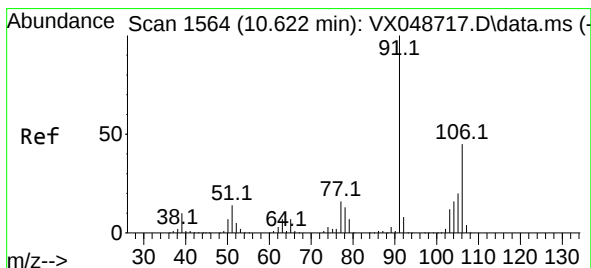
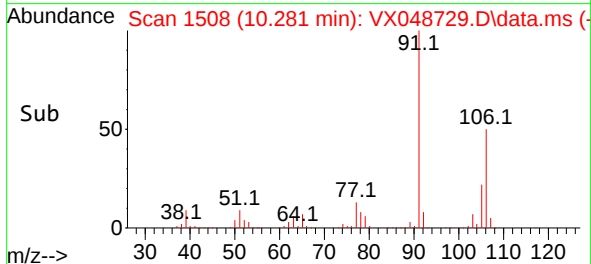
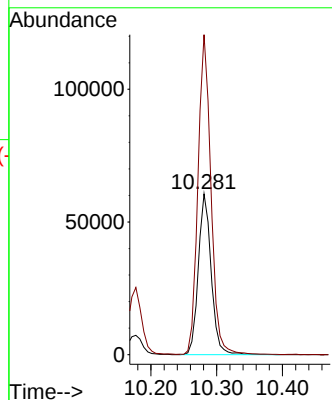
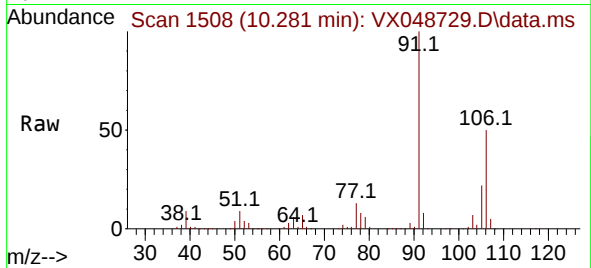




#68
m/p-Xylenes
Concen: 18.345 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

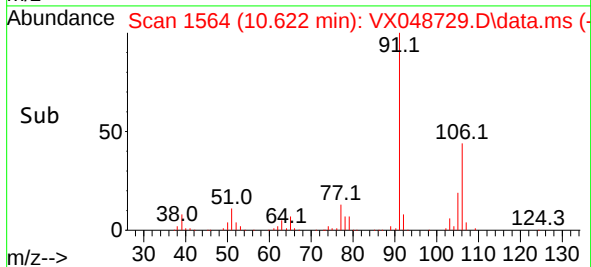
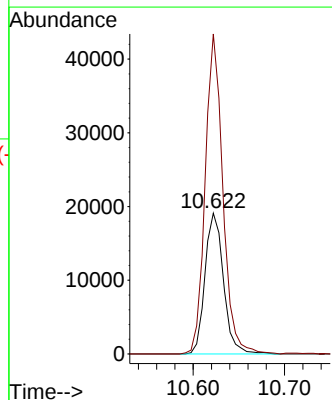
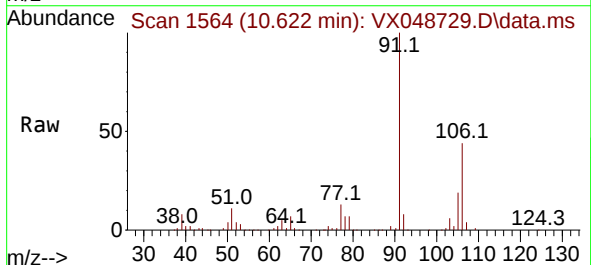
Instrument :
MSVOA_X
ClientSampleId :
NGKORE

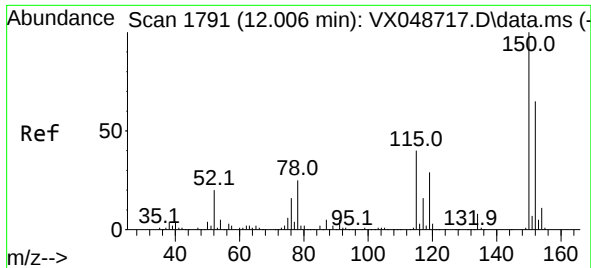
Tgt Ion:106 Resp: 82468
Ion Ratio Lower Upper
106 100
91 200.0 164.2 246.4



#69
o-Xylene
Concen: 6.357 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX048729.D
Acq: 05 Dec 2025 12:50

Tgt Ion:106 Resp: 26779
Ion Ratio Lower Upper
106 100
91 217.3 108.1 324.3

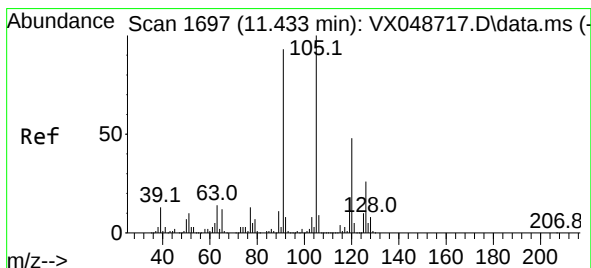
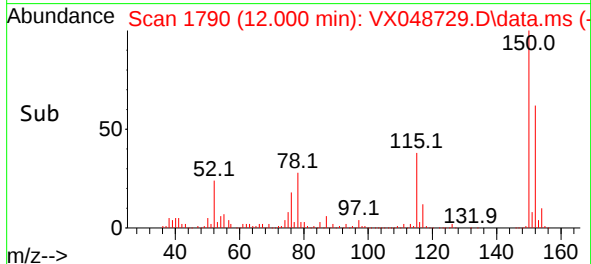
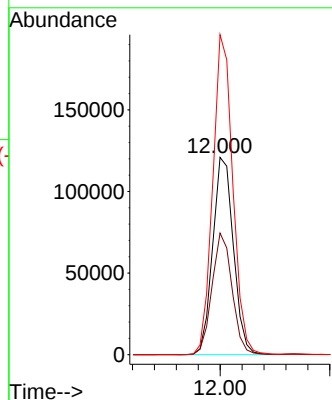
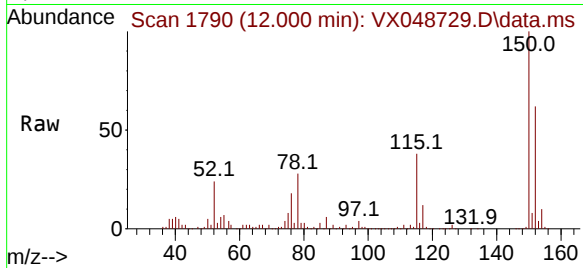




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.000 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VX048729.D
 Acq: 05 Dec 2025 12:50

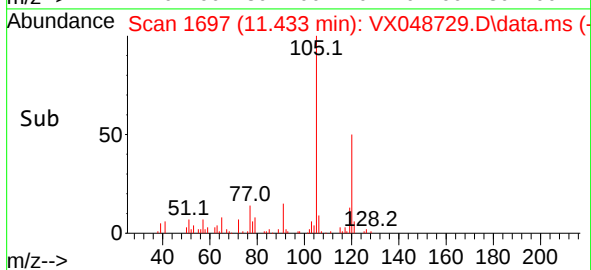
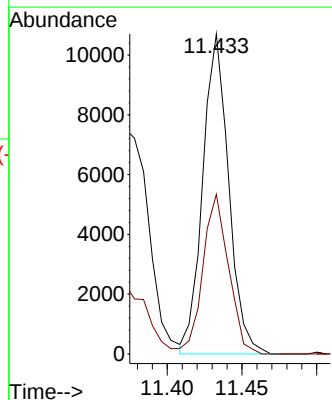
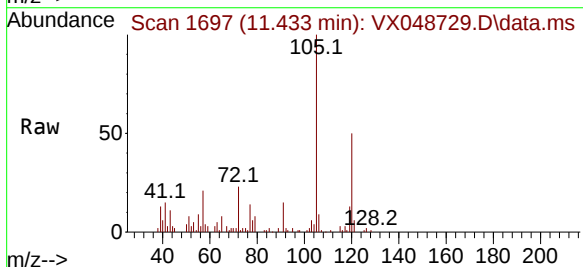
Instrument :
 MSVOA_X
 ClientSampleId :
 NGKORE

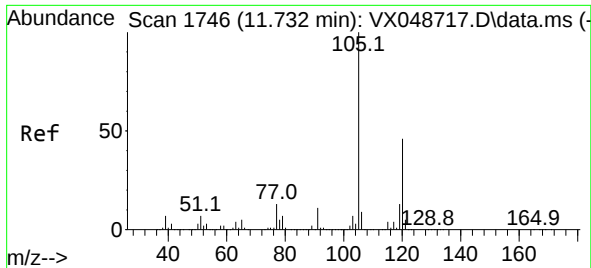
Tgt Ion:152 Resp: 158768
 Ion Ratio Lower Upper
 152 100
 115 59.8 42.1 126.4
 150 156.9 0.0 347.8



#80
 1,3,5-Trimethylbenzene
 Concen: 1.468 ug/l
 RT: 11.433 min Scan# 1697
 Delta R.T. -0.000 min
 Lab File: VX048729.D
 Acq: 05 Dec 2025 12:50

Tgt Ion:105 Resp: 12909
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.4 73.2





#84
 1,2,4-Trimethylbenzene
 Concen: 3.810 ug/l
 RT: 11.732 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048729.D
 Acq: 05 Dec 2025 12:50

Instrument :
 MSVOA_X
 ClientSampleId :
 NGKORE

Tgt Ion:105 Resp: 33797
 Ion Ratio Lower Upper
 105 100
 120 41.7 22.3 66.8

