

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047463.D
 Acq On : 21 Aug 2025 12:43
 Operator : JC/MD
 Sample : Q2900-02DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MN-12C-081825DL

Quant Time: Aug 22 03:43:50 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)

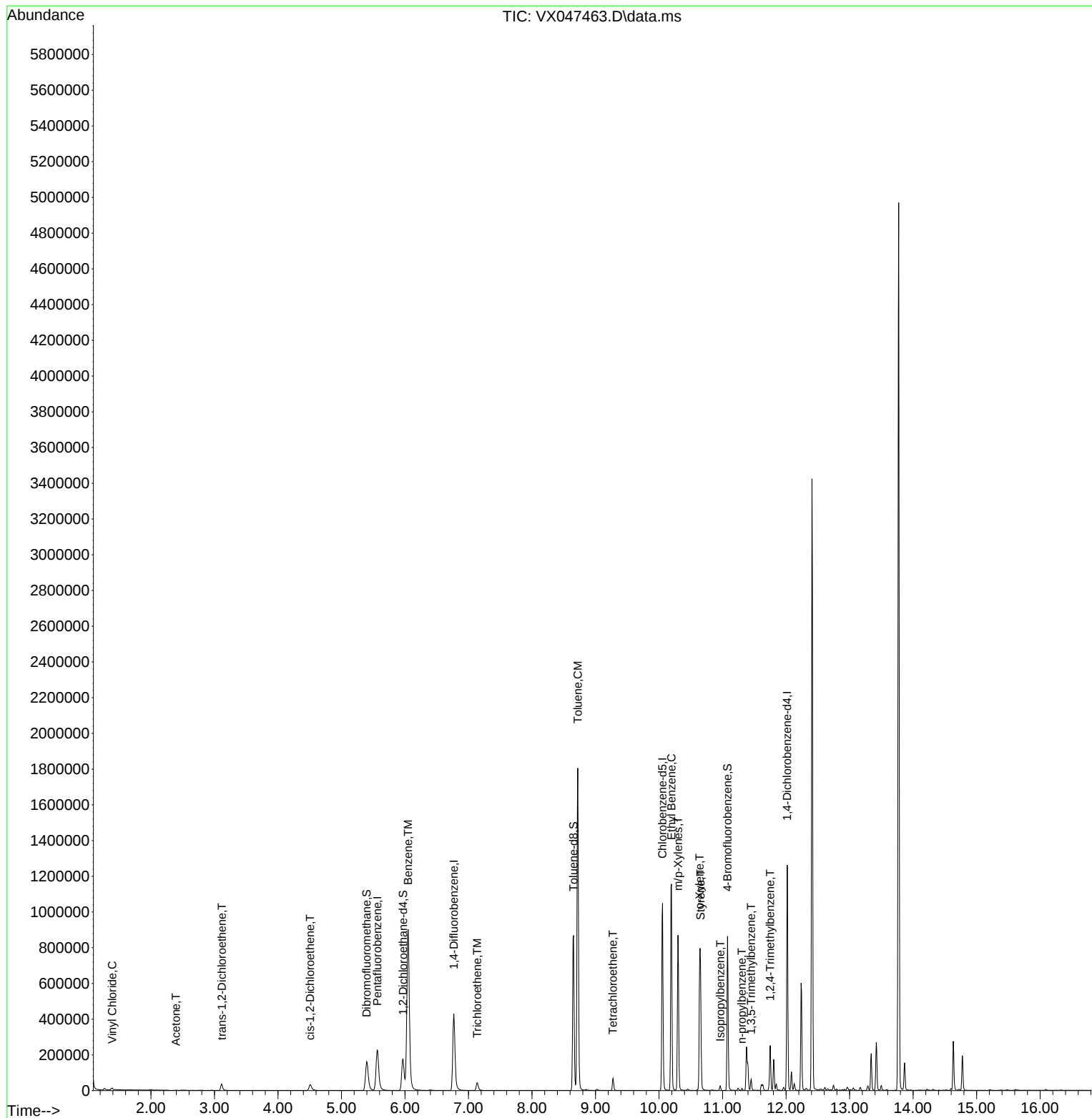
Internal Standards						
1) Pentafluorobenzene	5.562	168	227403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	460617	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	463667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	240978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	186347	58.552	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	117.100%#
35) Dibromofluoromethane	5.397	113	153546	51.363	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.720%
50) Toluene-d8	8.653	98	532387	49.825	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.660%
62) 4-Bromofluorobenzene	11.079	95	227626	57.729	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.460%
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.392	62	4385	1.340	ug/l	91
16) Acetone	2.392	43	1707	1.427	ug/l #	78
21) trans-1,2-Dichloroethene	3.117	96	17114	5.632	ug/l	93
27) cis-1,2-Dichloroethene	4.507	96	22713	6.417	ug/l	89
40) Benzene	6.050	78	1142687	80.898	ug/l	100
44) Trichloroethene	7.135	130	18503	5.116	ug/l	91
52) Toluene	8.720	92	702021	80.431	ug/l	100
64) Tetrachloroethene	9.275	164	12376	3.690	ug/l	88
67) Ethyl Benzene	10.195	91	689608	36.363	ug/l	99
68) m/p-Xylenes	10.299	106	199207	28.171	ug/l	99
69) o-Xylene	10.640	106	126417	18.577	ug/l	98
70) Styrene	10.653	104	212952	18.520	ug/l	100
73) Isopropylbenzene	10.963	105	13255	0.703	ug/l	100
78) n-propylbenzene	11.305	91	6968	0.309	ug/l #	54
80) 1,3,5-Trimethylbenzene	11.451	105	28722	1.851	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	106925	6.891	ug/l	98

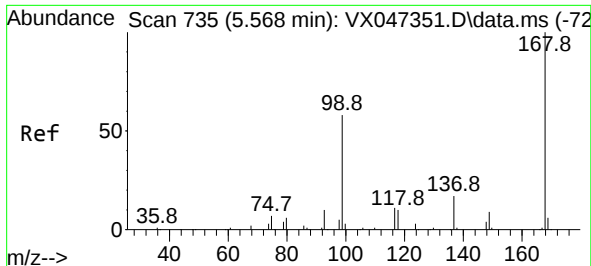
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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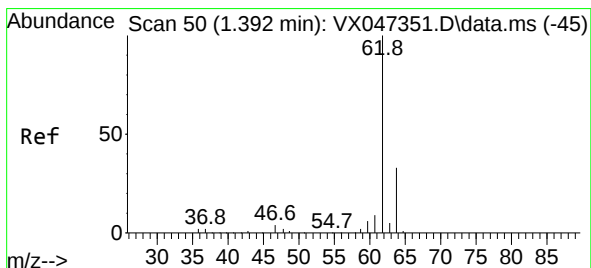
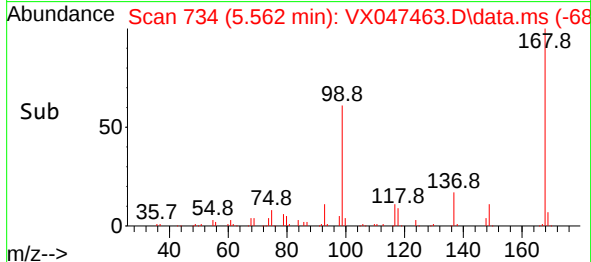
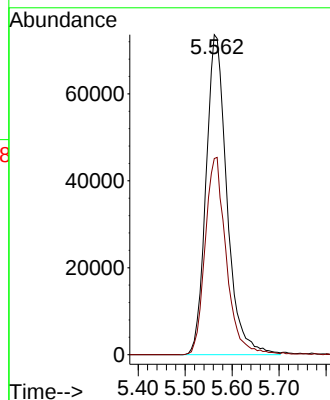
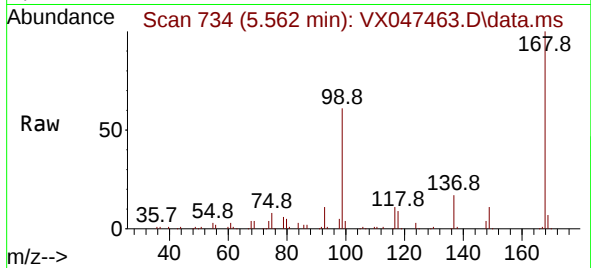




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

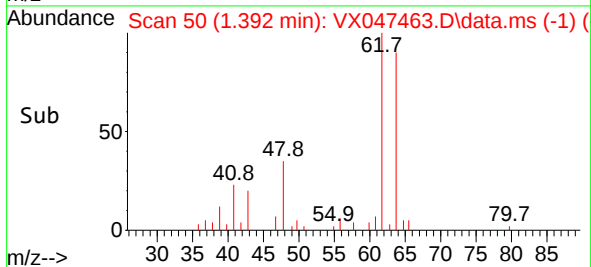
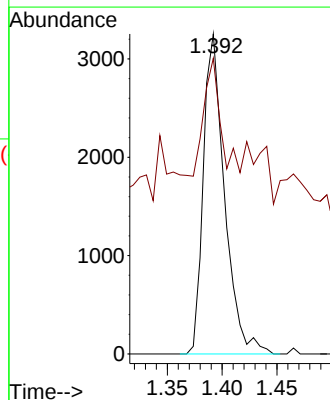
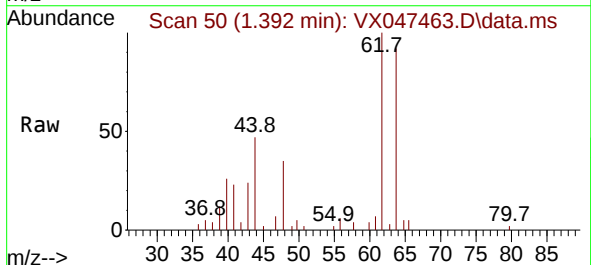
Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

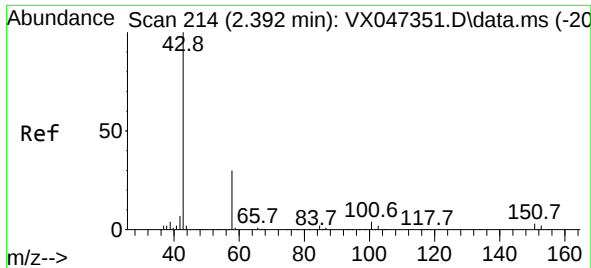
Tgt Ion:168 Resp: 227403
Ion Ratio Lower Upper
168 100
99 61.3 47.9 71.9



#4
Vinyl Chloride
Concen: 1.340 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion: 62 Resp: 4385
Ion Ratio Lower Upper
62 100
64 38.2 26.5 39.7

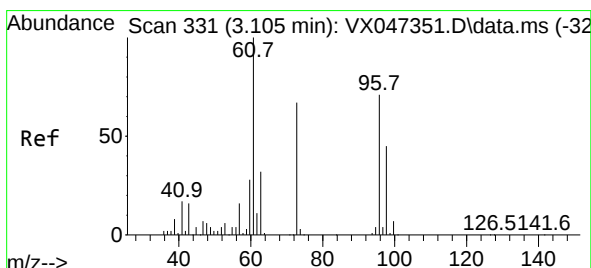
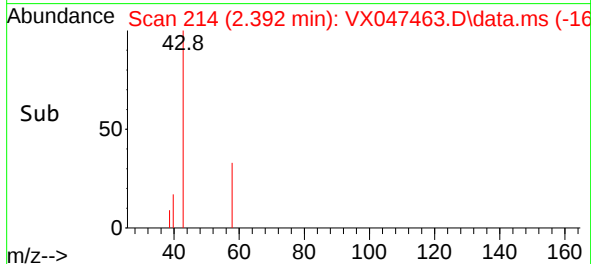
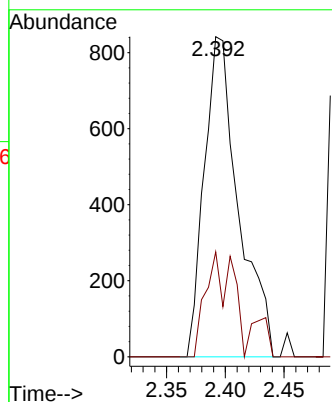
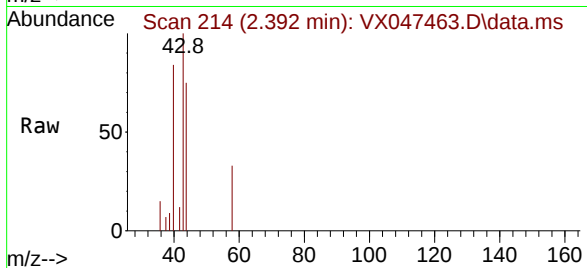




#16
Acetone
Concen: 1.427 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

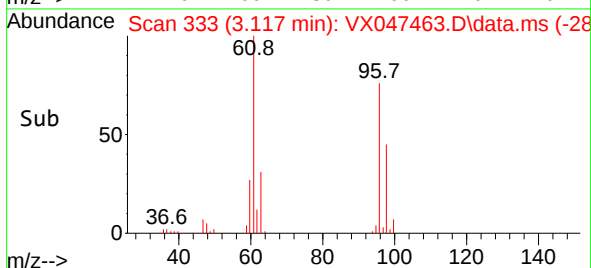
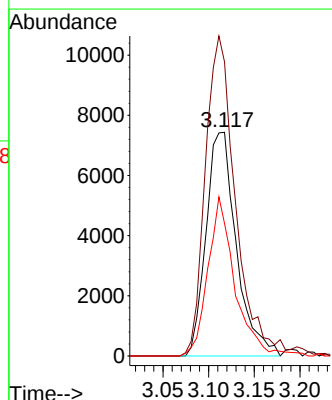
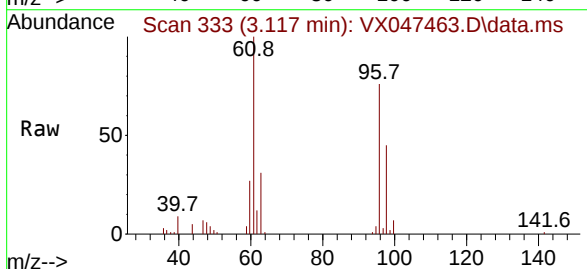
Instrument :
MSVOA_X
ClientSampleId :
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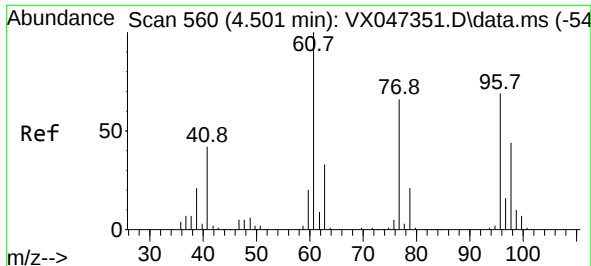
Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
58 18.8 24.8 37.2#



#21
trans-1,2-Dichloroethene
Concen: 5.632 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.012 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion: 96 Resp: 17114
Ion Ratio Lower Upper
96 100
61 131.5 112.6 169.0
98 59.3 50.9 76.3





#27

cis-1,2-Dichloroethene

Concen: 6.417 ug/l

RT: 4.507 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX047463.D

Acq: 21 Aug 2025 12:43

Instrument :

MSVOA_X

ClientSampleId :

MN-12C-081825DL

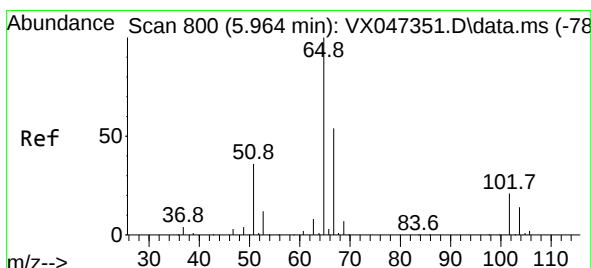
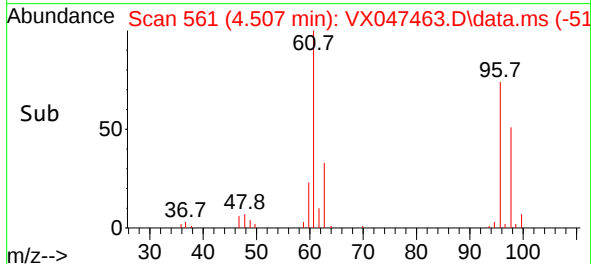
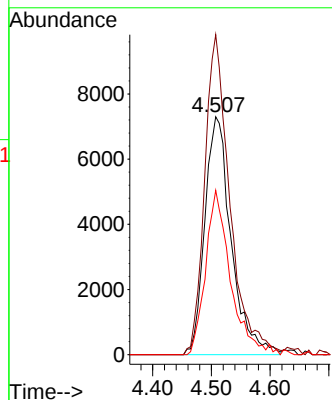
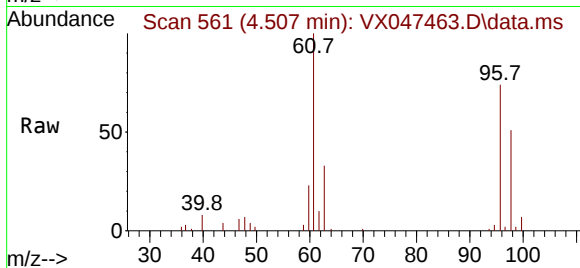
Tgt Ion: 96 Resp: 22713

Ion Ratio Lower Upper

96 100

61 128.6 0.0 296.6

98 65.2 0.0 130.4



#33

1,2-Dichloroethane-d4

Concen: 58.552 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX047463.D

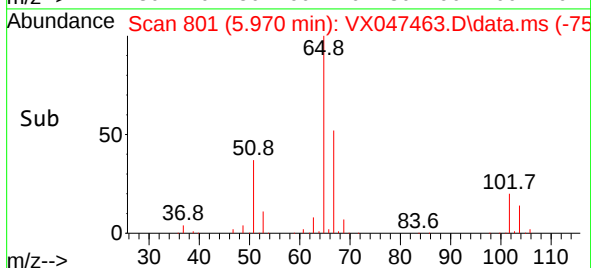
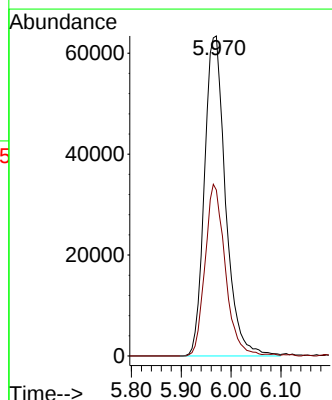
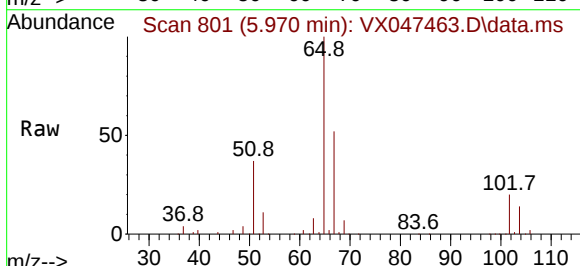
Acq: 21 Aug 2025 12:43

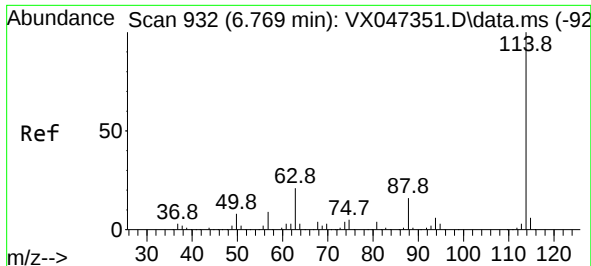
Tgt Ion: 65 Resp: 186347

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.0

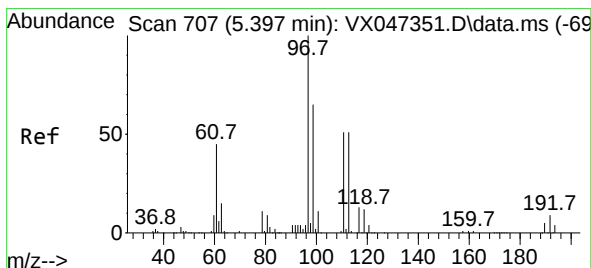
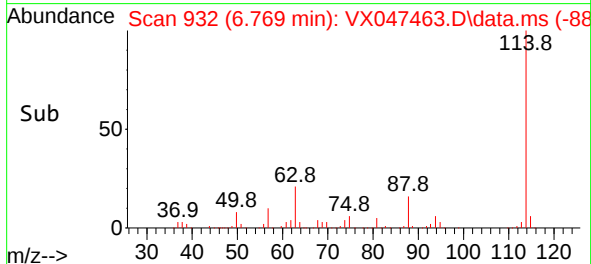
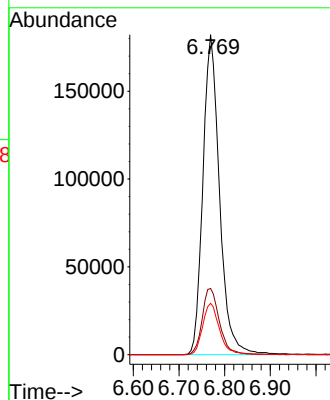
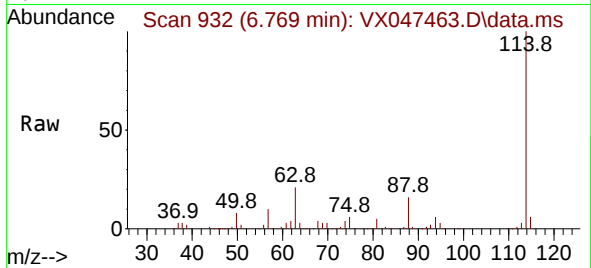




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

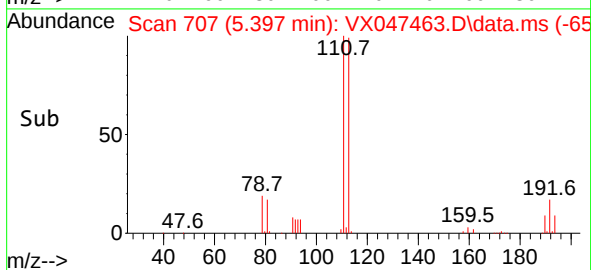
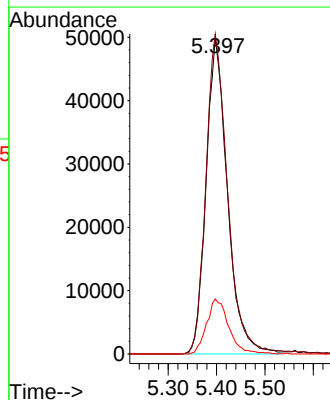
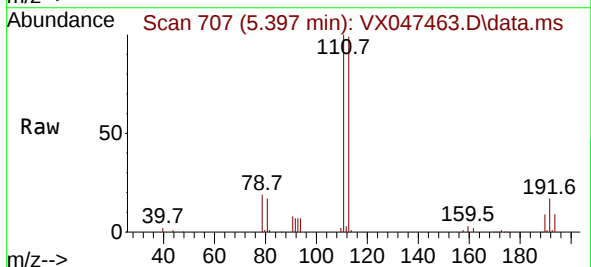
Instrument :
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ClientSampleId :
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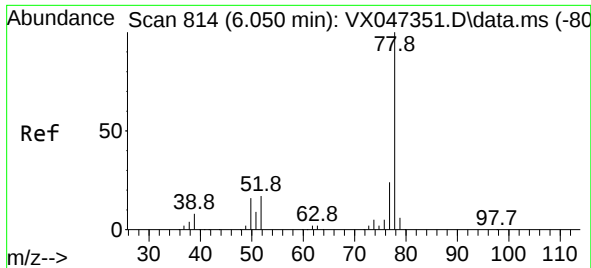
Tgt Ion:114 Resp: 460617
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.4
88 16.0 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.363 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion:113 Resp: 153546
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.2
192 18.0 14.1 21.1

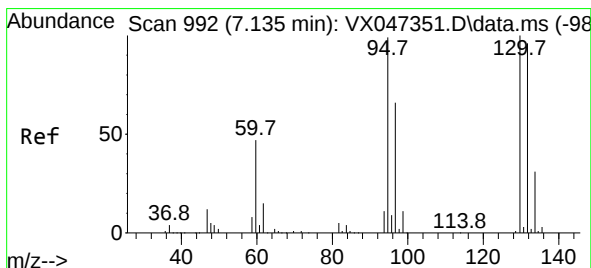
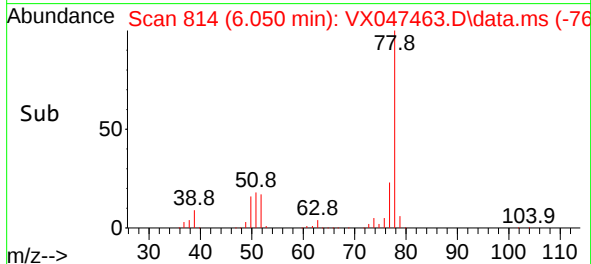
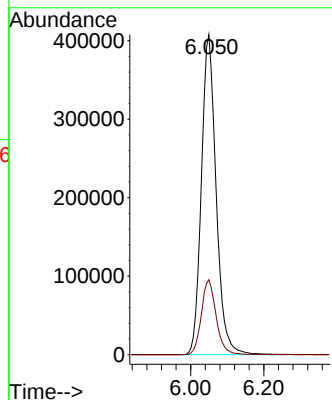
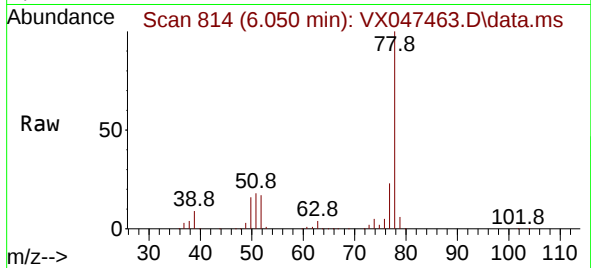




#40
Benzene
Concen: 80.898 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

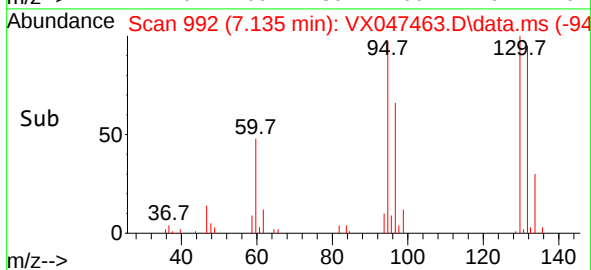
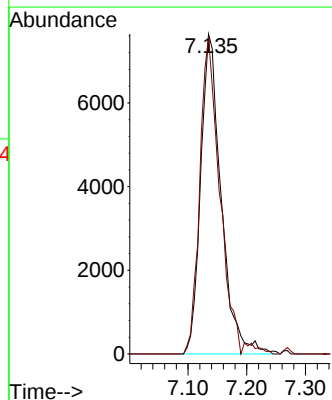
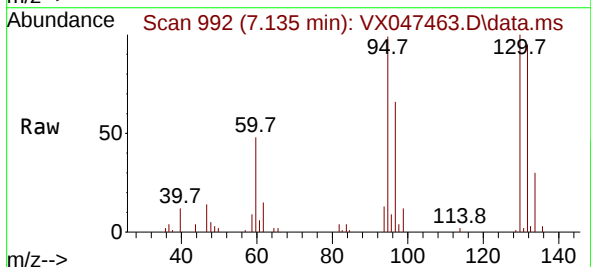
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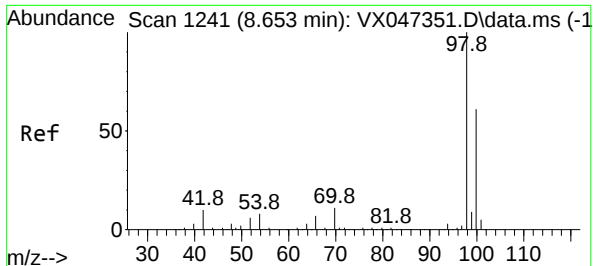
Tgt Ion: 78 Resp: 1142687
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



#44
Trichloroethene
Concen: 5.116 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion:130 Resp: 18503
Ion Ratio Lower Upper
130 100
95 108.2 0.0 198.6

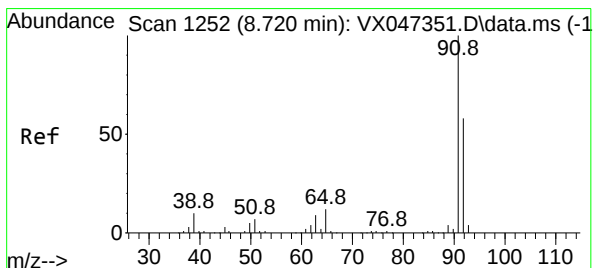
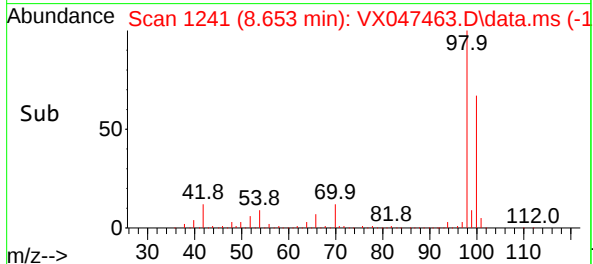
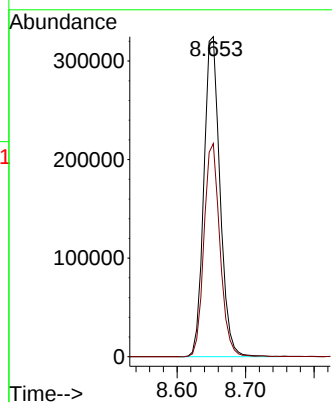
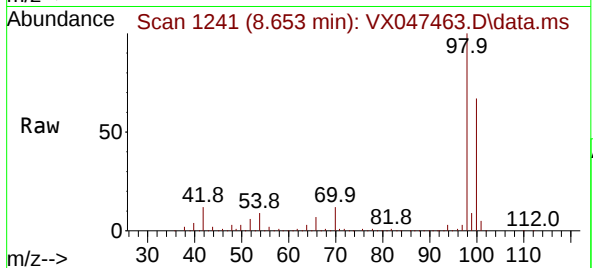




#50
Toluene-d8
Concen: 49.825 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

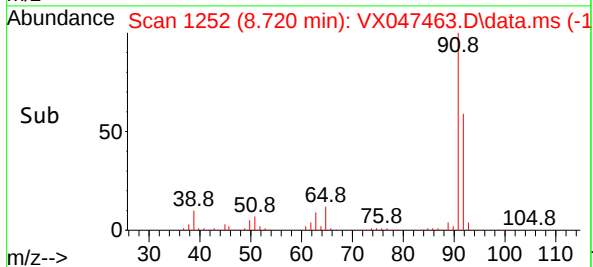
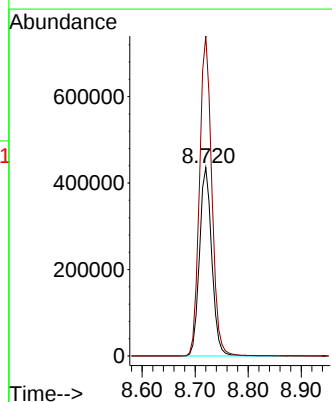
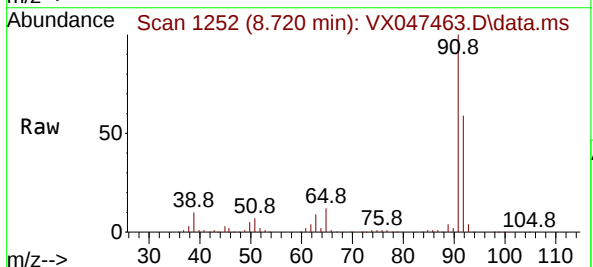
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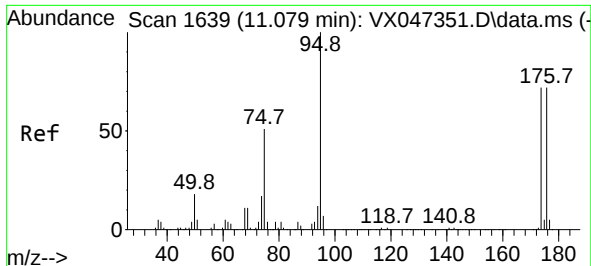
Tgt Ion: 98 Resp: 532387
Ion Ratio Lower Upper
98 100
100 66.0 53.9 80.9



#52
Toluene
Concen: 80.431 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion: 92 Resp: 702021
Ion Ratio Lower Upper
92 100
91 170.0 136.3 204.5

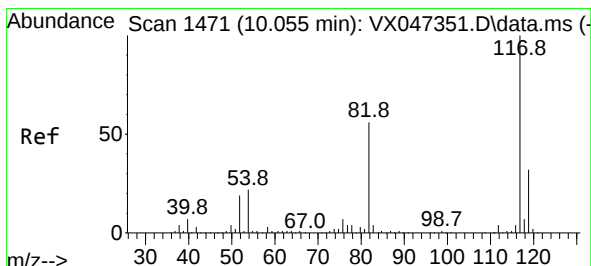
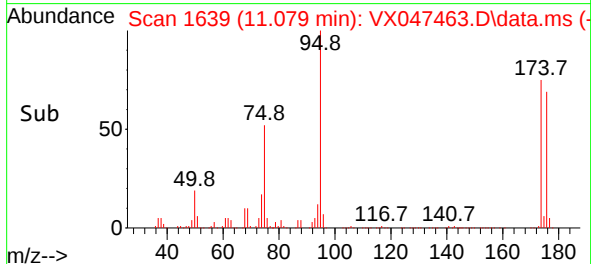
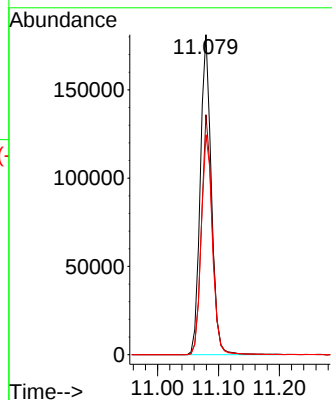
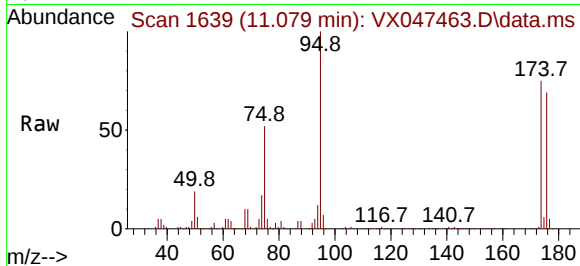




#62
4-Bromofluorobenzene
Concen: 57.729 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

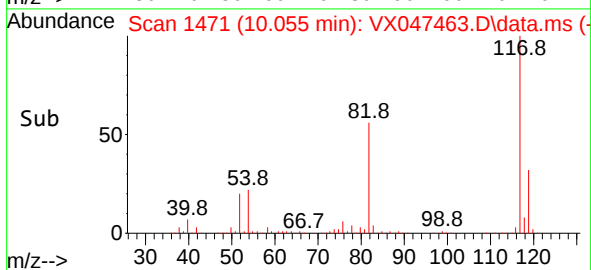
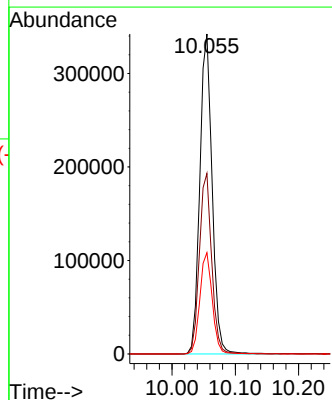
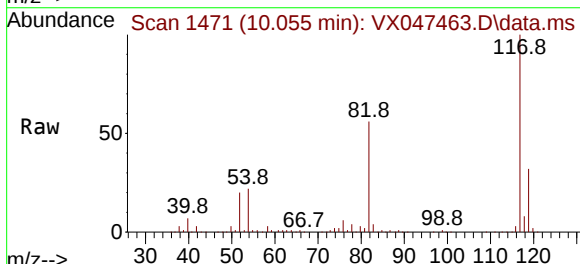
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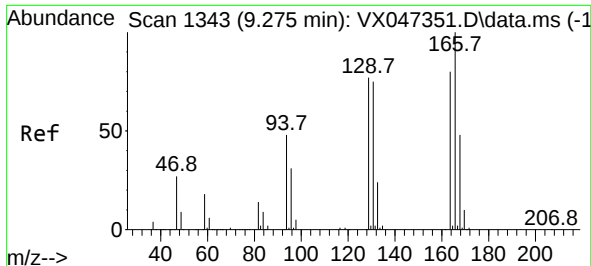
Tgt Ion: 95 Resp: 227626
Ion Ratio Lower Upper
95 100
174 73.4 0.0 148.0
176 70.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion: 117 Resp: 463667
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.4
119 31.6 25.8 38.8

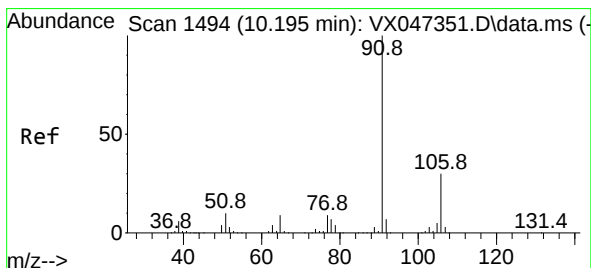
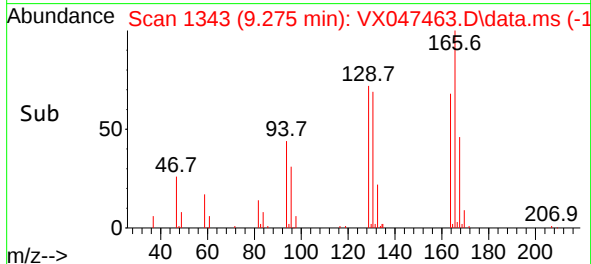
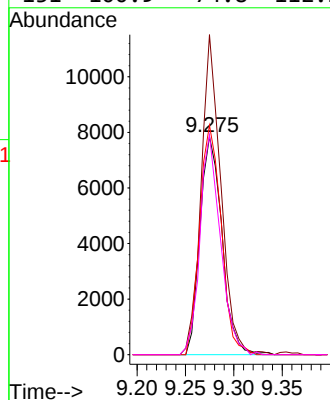
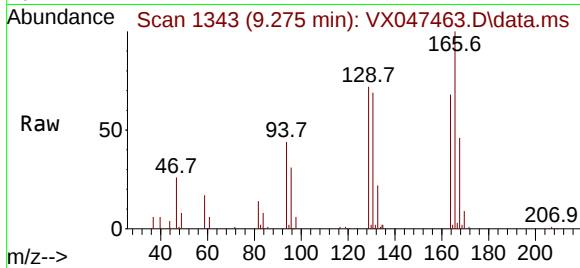




#64
Tetrachloroethene
Concen: 3.690 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

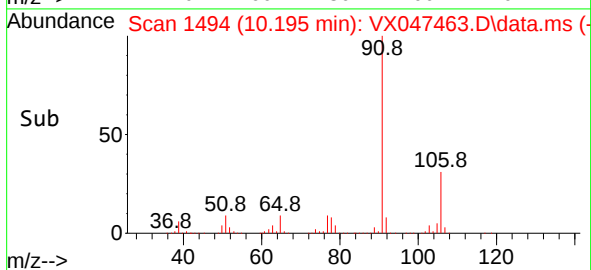
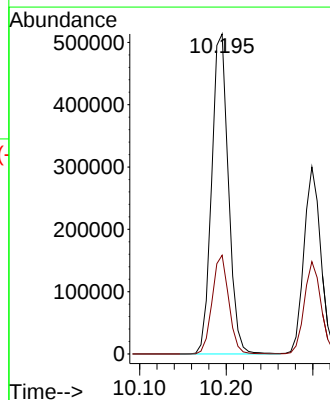
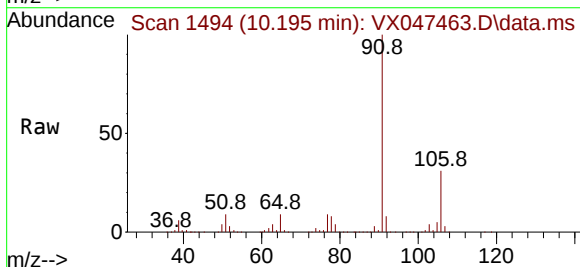
Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

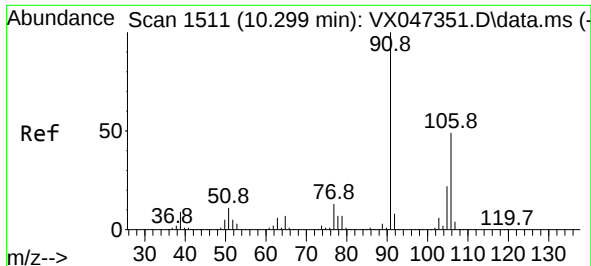
Tgt Ion:164 Resp: 12376
Ion Ratio Lower Upper
164 100
166 146.8 100.3 150.5
129 105.3 77.7 116.5
131 100.9 74.8 112.2



#67
Ethyl Benzene
Concen: 36.363 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion: 91 Resp: 689608
Ion Ratio Lower Upper
91 100
106 30.8 24.4 36.6

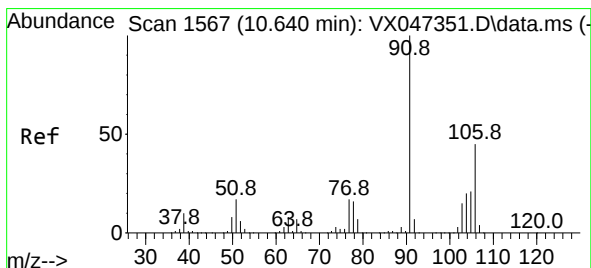
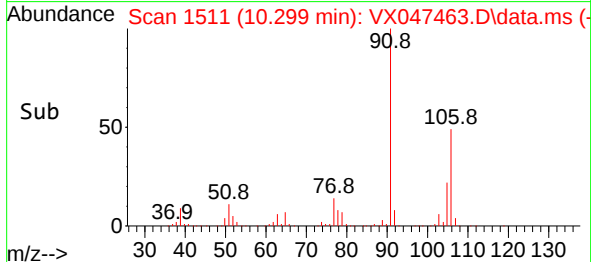
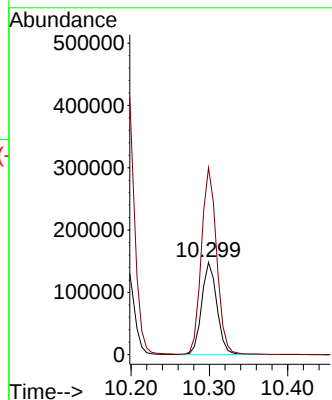
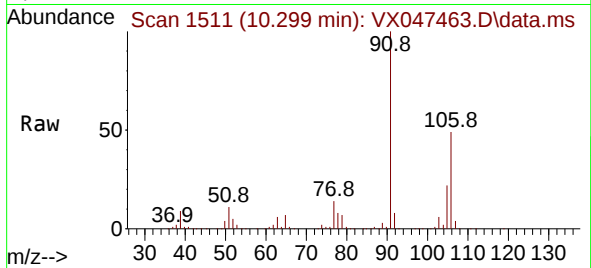




#68
m/p-Xylenes
Concen: 28.171 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

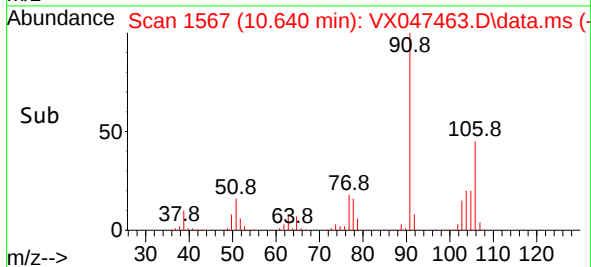
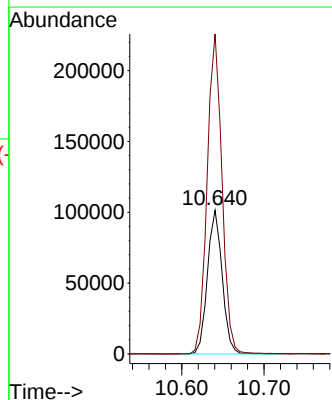
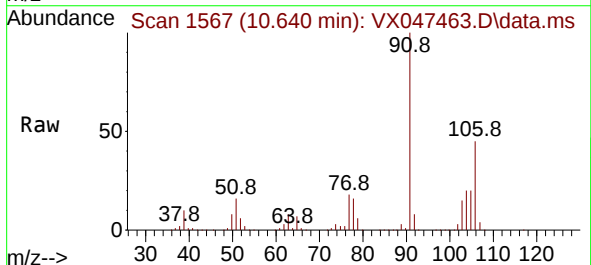
Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

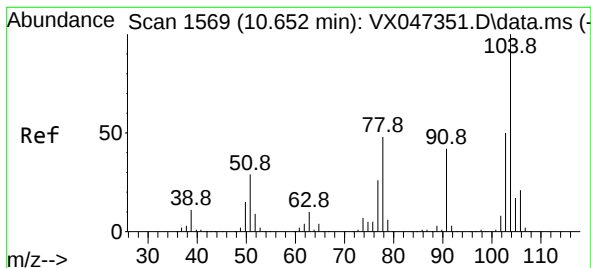
Tgt Ion:106 Resp: 199207
Ion Ratio Lower Upper
106 100
91 204.6 164.7 247.1



#69
o-Xylene
Concen: 18.577 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion:106 Resp: 126417
Ion Ratio Lower Upper
106 100
91 224.0 110.6 331.8





#70

Styrene

Concen: 18.520 ug/l

RT: 10.653 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047463.D

Acq: 21 Aug 2025 12:43

Instrument :

MSVOA_X

ClientSampleId :

MN-12C-081825DL

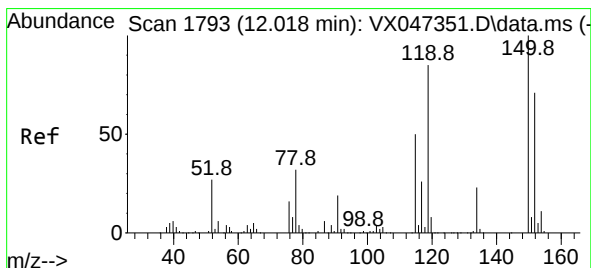
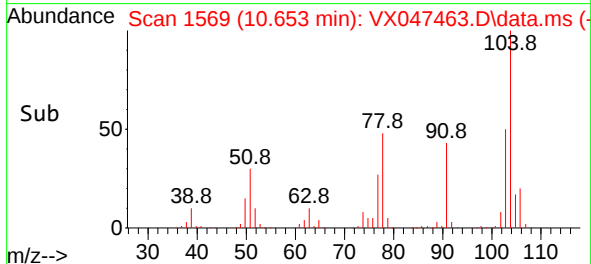
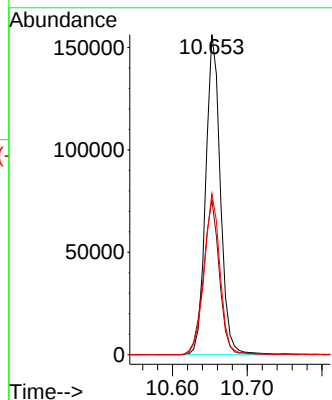
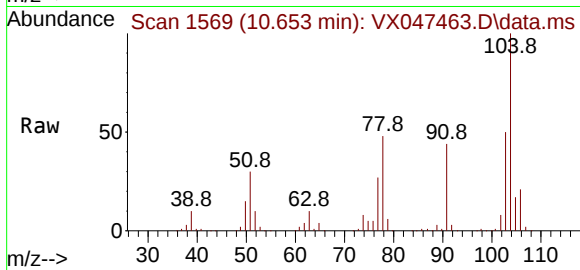
Tgt Ion:104 Resp: 212952

Ion Ratio Lower Upper

104 100

78 52.6 41.8 62.8

103 54.5 43.6 65.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047463.D

Acq: 21 Aug 2025 12:43

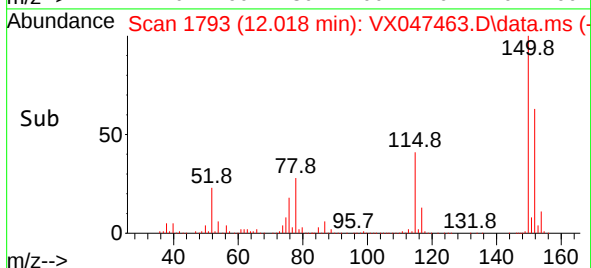
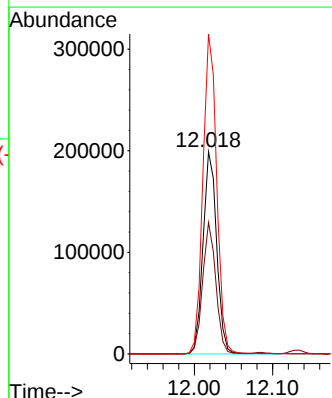
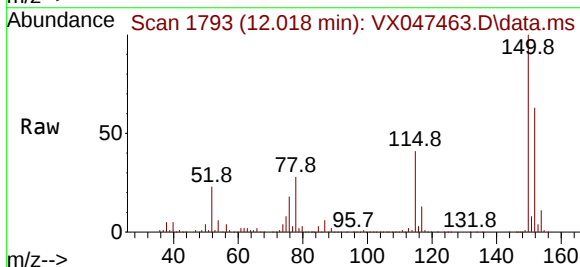
Tgt Ion:152 Resp: 240978

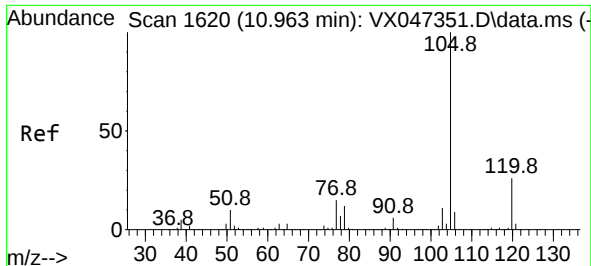
Ion Ratio Lower Upper

152 100

115 62.7 44.6 133.8

150 159.6 0.0 349.8

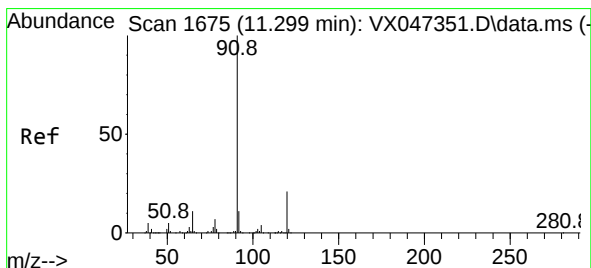
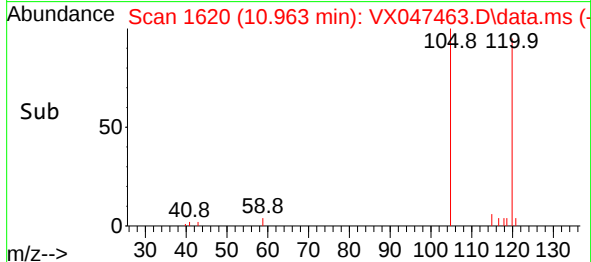
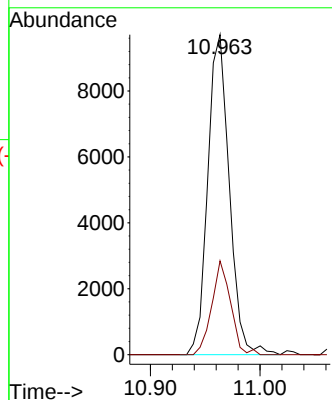
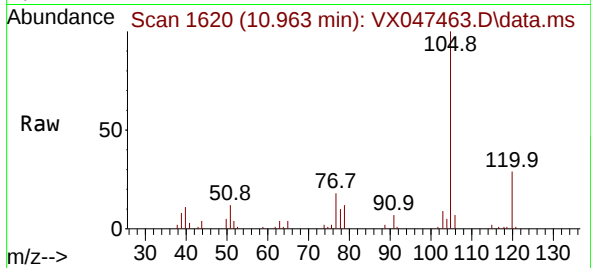




#73
Isopropylbenzene
Concen: 0.703 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

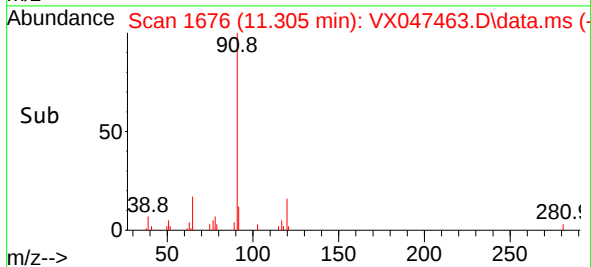
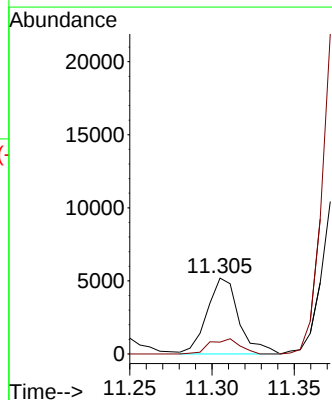
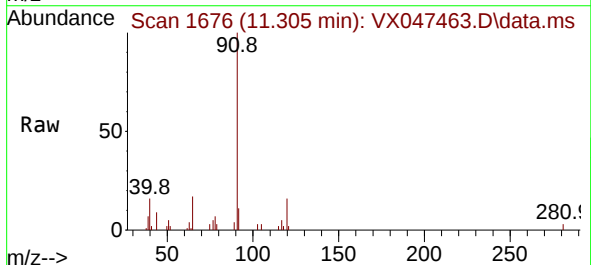
Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

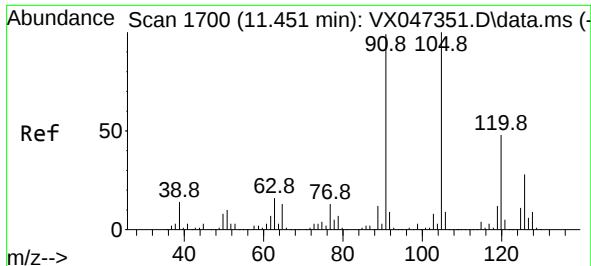
Tgt Ion:105 Resp: 13255
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.6



#78
n-propylbenzene
Concen: 0.309 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion: 91 Resp: 6968
Ion Ratio Lower Upper
91 100
120 0.0 11.0 33.0#

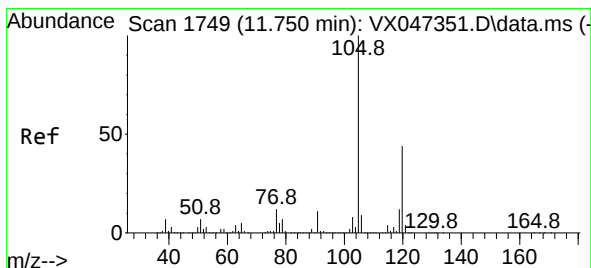
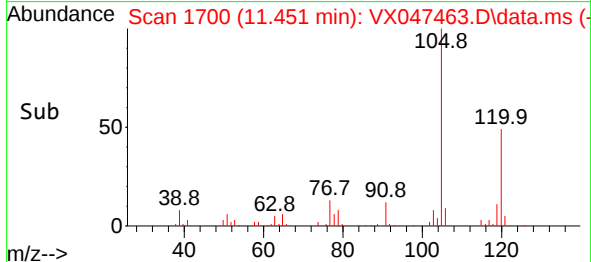
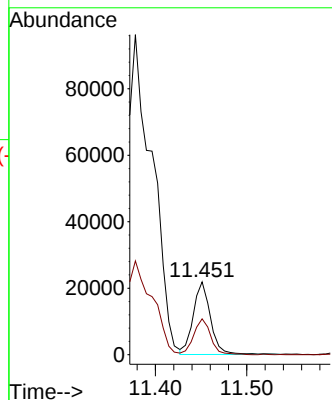
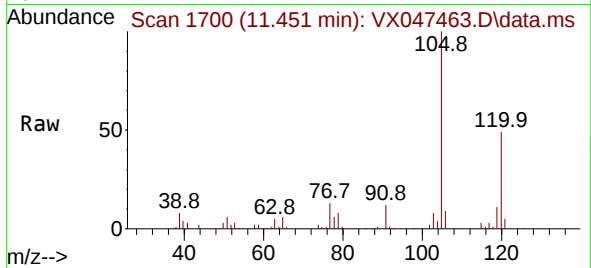




#80
1,3,5-Trimethylbenzene
Concen: 1.851 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
MN-12C-081825DL

Tgt Ion:105 Resp: 28722
Ion Ratio Lower Upper
105 100
120 48.4 23.9 71.7



#84
1,2,4-Trimethylbenzene
Concen: 6.891 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047463.D
Acq: 21 Aug 2025 12:43

Tgt Ion:105 Resp: 106925
Ion Ratio Lower Upper
105 100
120 44.8 21.9 65.7

