

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046989.D
 Acq On : 15 Jul 2025 10:39
 Operator : JC/MD
 Sample : VX0715MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715MBL01

Quant Time: Jul 16 02:21:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

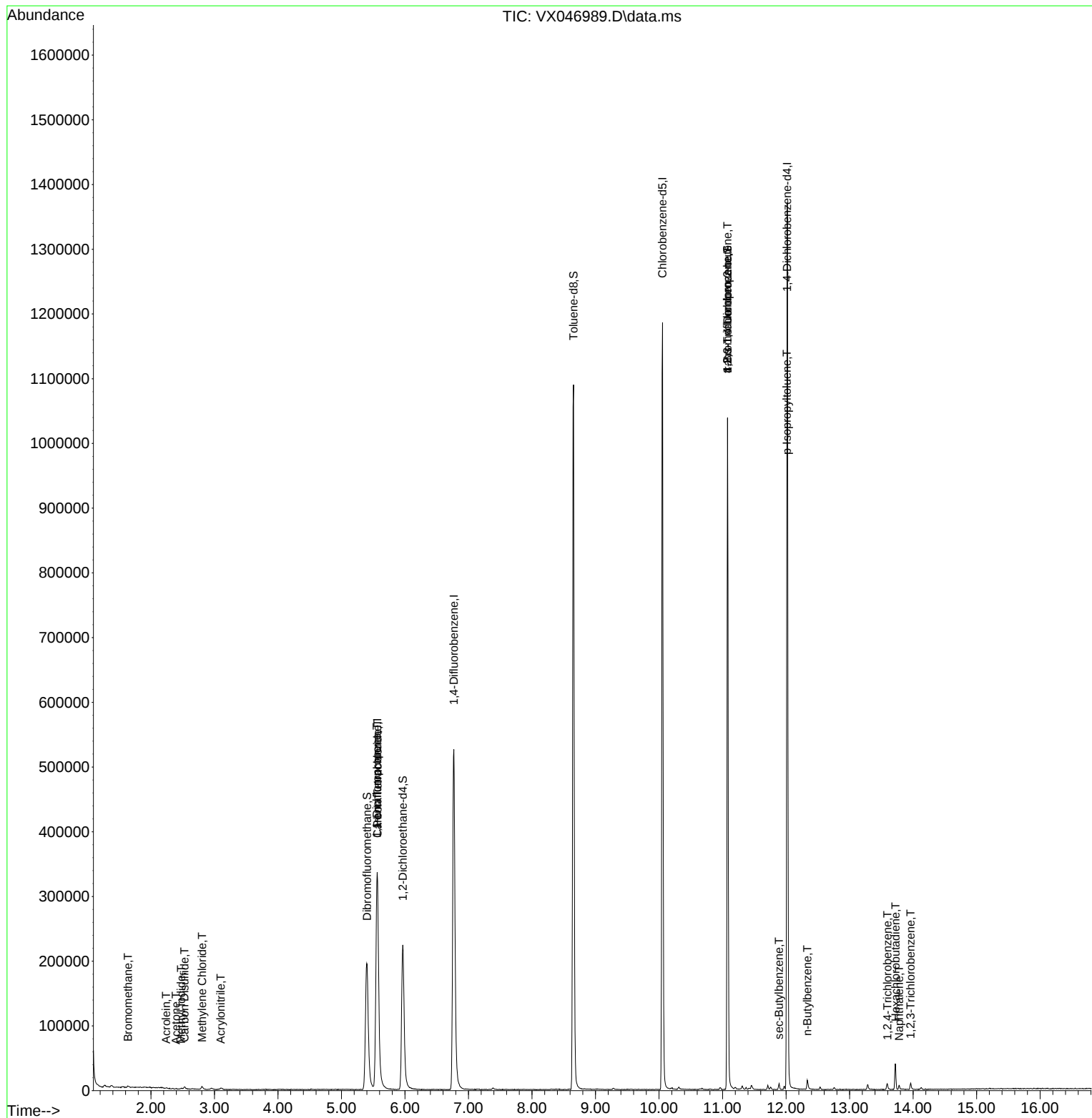
Internal Standards						
1) Pentafluorobenzene	5.562	168	342671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	579223	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	530422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	275487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	237011	52.355	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.700%	
35) Dibromofluoromethane	5.403	113	190701	48.502	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.000%	
50) Toluene-d8	8.653	98	672365	48.469	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.940%	
62) 4-Bromofluorobenzene	11.079	95	275251	52.208	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.420%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	1363	0.544	ug/l #	62
10) Methyl Iodide	2.477	142	2274	0.543	ug/l #	84
13) Acrolein	2.239	56	202	3.444	ug/l #	15
15) Acrylonitrile	3.099	53	848	0.494	ug/l #	50
16) Acetone	2.392	43	1019	0.725	ug/l	89
17) Carbon Disulfide	2.526	76	4018	0.412	ug/l #	93
20) Methylene Chloride	2.806	84	2013	0.484	ug/l	87
36) 1,1-Dichloropropene	5.556	75	27961	5.271	ug/l #	46
38) Carbon Tetrachloride	5.568	117	35773	6.379	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	142788	33.545	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	142788	90.017	ug/l #	8
85) sec-Butylbenzene	11.890	105	5013	0.245	ug/l	94
86) p-Isopropyltoluene	12.012	119	4222	0.246	ug/l #	74
89) n-Butylbenzene	12.335	91	6023	0.374	ug/l	94
93) 1,2,4-Trichlorobenzene	13.597	180	3114	0.524	ug/l	86
94) Hexachlorobutadiene	13.725	225	5432	2.425	ug/l	97
95) Naphthalene	13.780	128	5034	0.322	ug/l #	90
96) 1,2,3-Trichlorobenzene	13.963	180	2929	0.522	ug/l	98

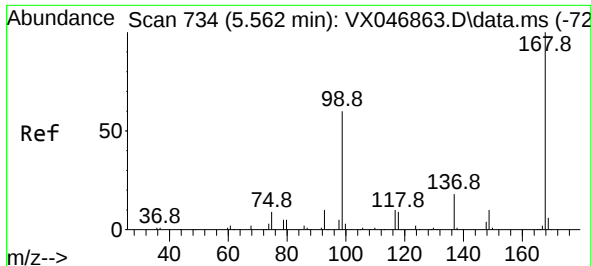
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046989.D
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Sample : VX0715MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

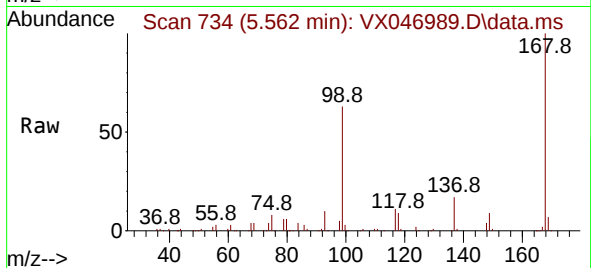
Quant Time: Jul 16 02:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



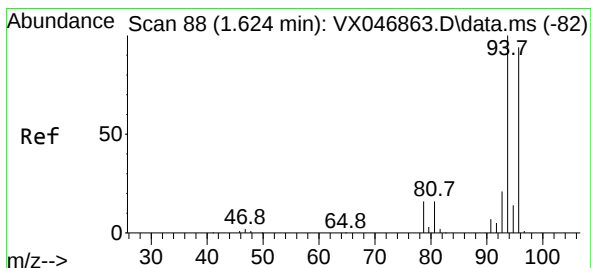
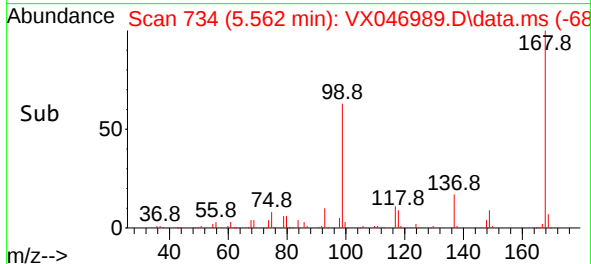
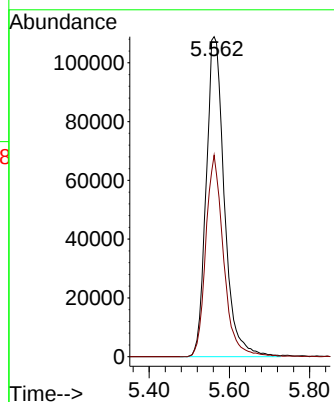


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Instrument :
MSVOA_X
ClientSampleId :
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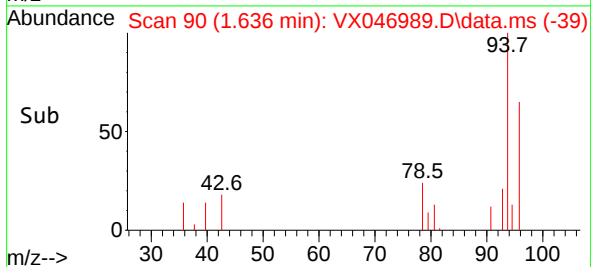
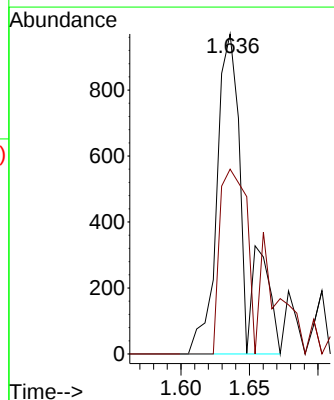
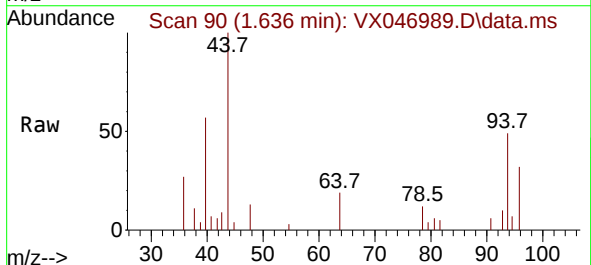


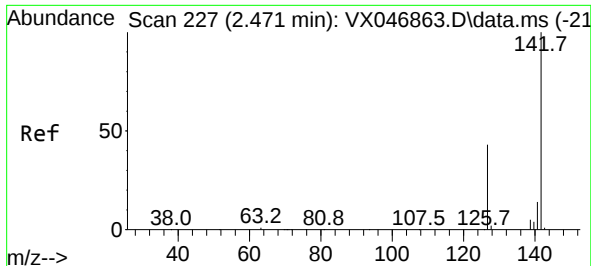
Tgt Ion:168 Resp: 342671
Ion Ratio Lower Upper
168 100
99 62.9 48.8 73.2



#5
Bromomethane
Concen: 0.544 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

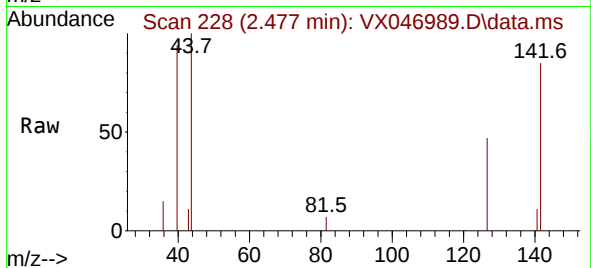
Tgt Ion: 94 Resp: 1363
Ion Ratio Lower Upper
94 100
96 57.7 75.5 113.3#



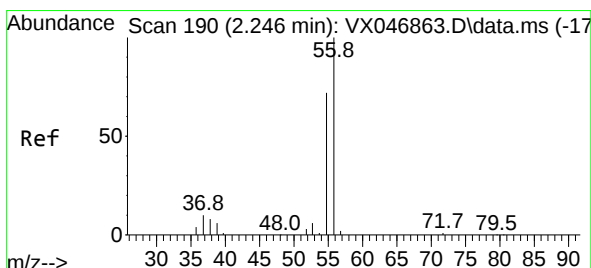
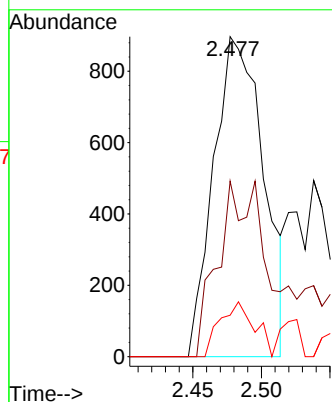
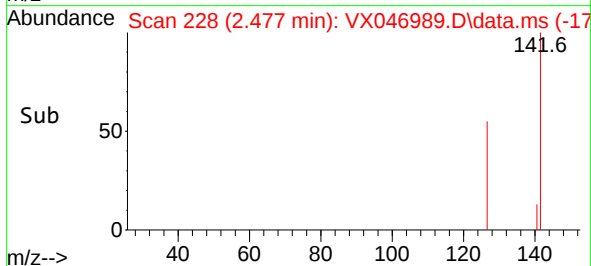


#10
Methyl Iodide
Concen: 0.543 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

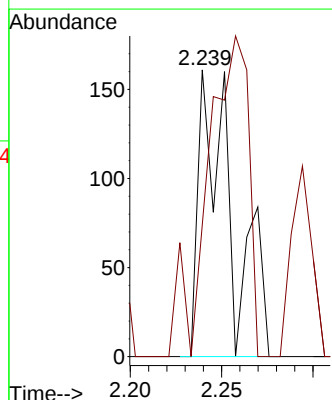
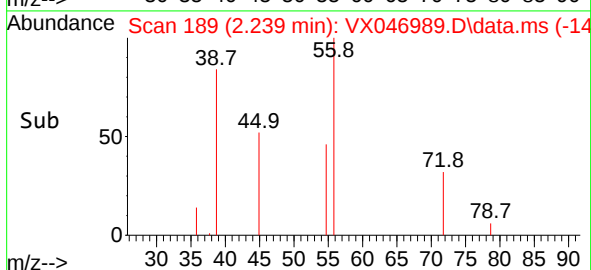
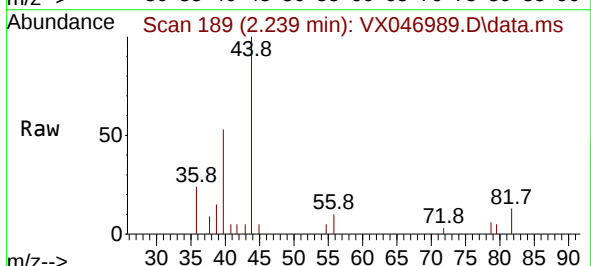


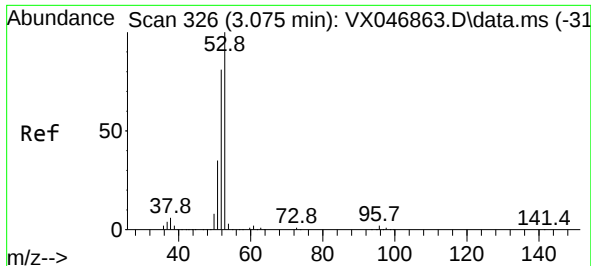
Tgt Ion:142 Resp: 2274
Ion Ratio Lower Upper
142 100
127 55.8 34.9 52.3#
141 11.9 11.1 16.7



#13
Acrolein
Concen: 3.444 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.007 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
55 139.1 55.5 83.3#

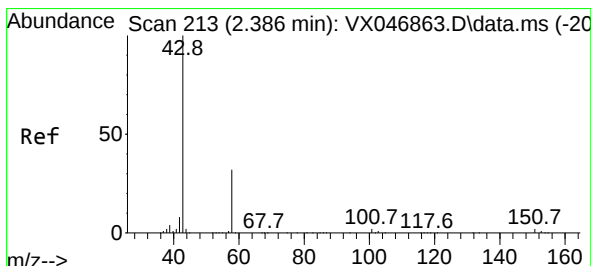
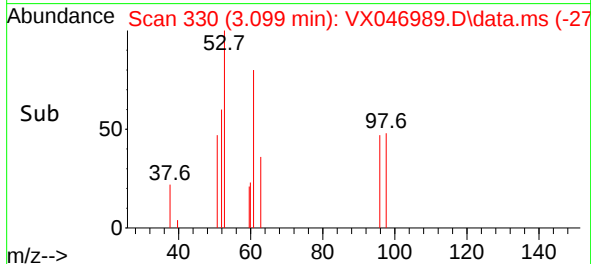
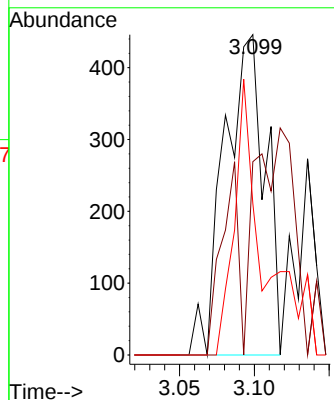
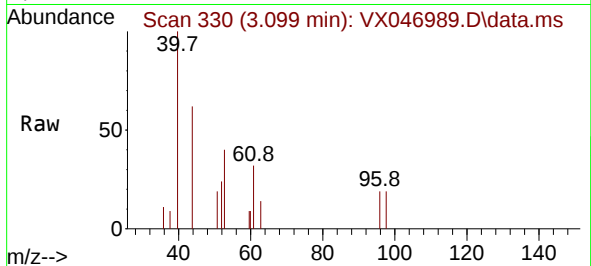




#15
Acrylonitrile
Concen: 0.494 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.024 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

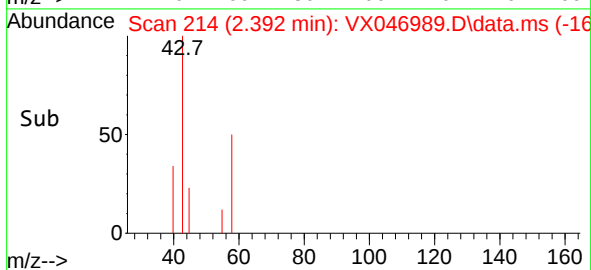
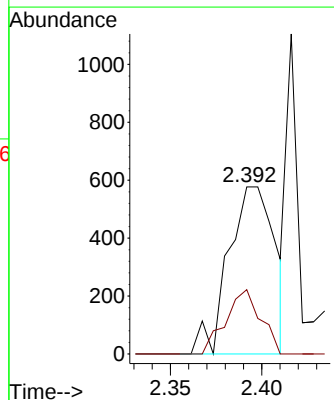
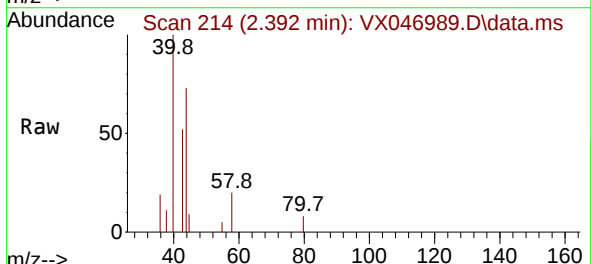
Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

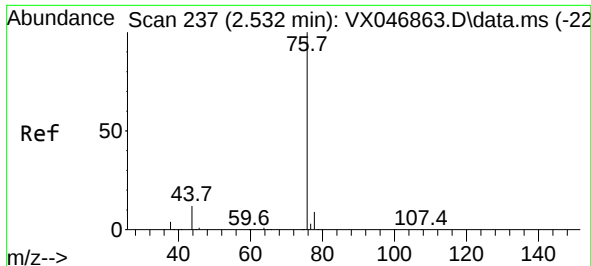
Tgt Ion: 53 Resp: 848
Ion Ratio Lower Upper
53 100
52 24.9 66.0 99.0#
51 45.6 28.6 43.0#



#16
Acetone
Concen: 0.725 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion: 43 Resp: 1019
Ion Ratio Lower Upper
43 100
58 38.5 25.8 38.6

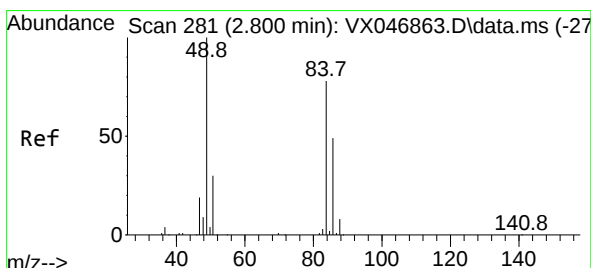
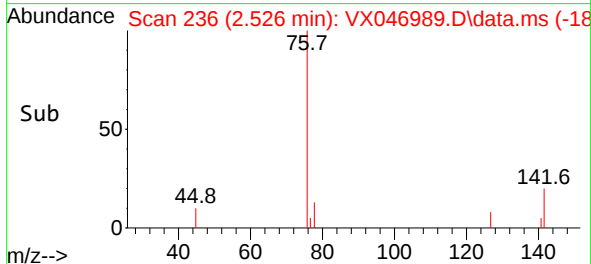
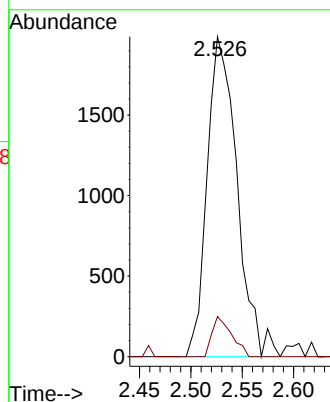
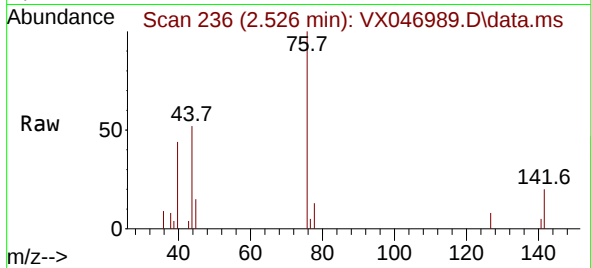




#17
Carbon Disulfide
Concen: 0.412 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

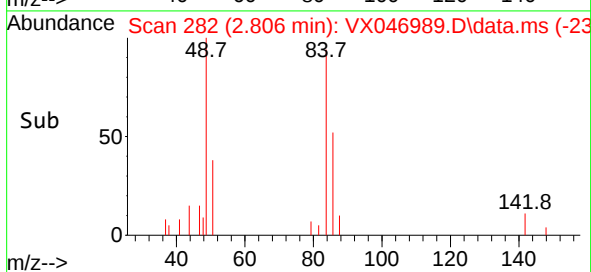
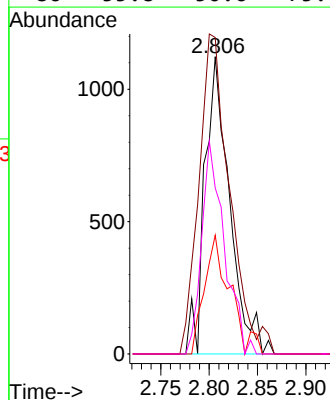
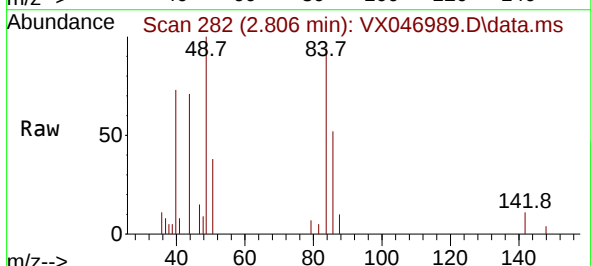
Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

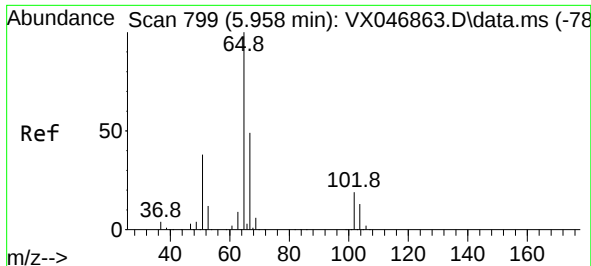
Tgt Ion: 76 Resp: 4018
Ion Ratio Lower Upper
76 100
78 11.9 7.4 11.2#



#20
Methylene Chloride
Concen: 0.484 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion: 84 Resp: 2013
Ion Ratio Lower Upper
84 100
49 106.5 102.8 154.2
51 40.0 31.1 46.7
86 55.8 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 52.355 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX046989.D

Acq: 15 Jul 2025 10:39

Instrument :

MSVOA_X

ClientSampleId :

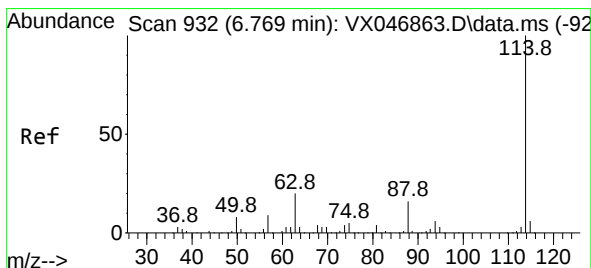
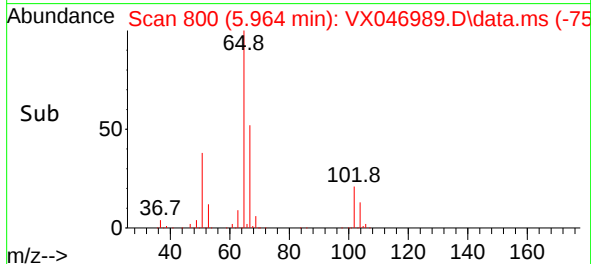
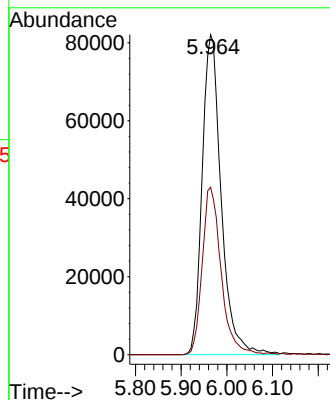
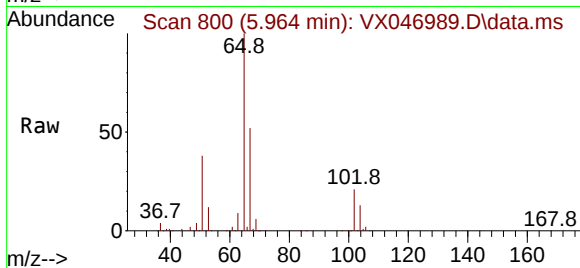
VX0715MBL01

Tgt Ion: 65 Resp: 237011

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX046989.D

Acq: 15 Jul 2025 10:39

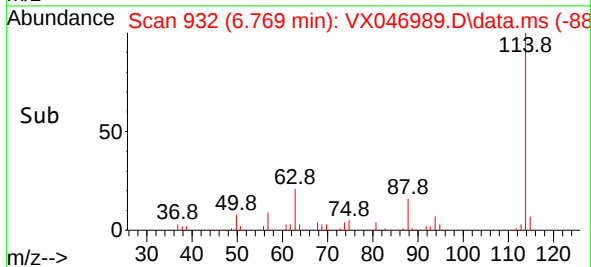
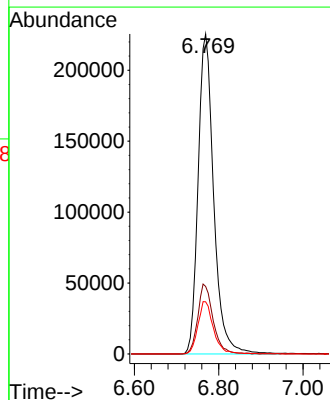
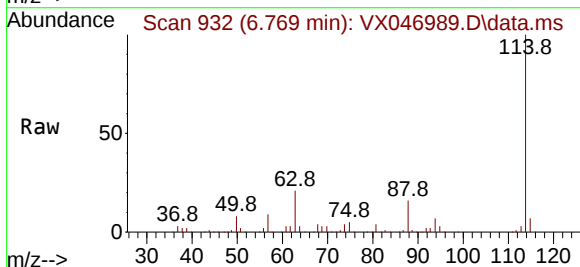
Tgt Ion: 114 Resp: 579223

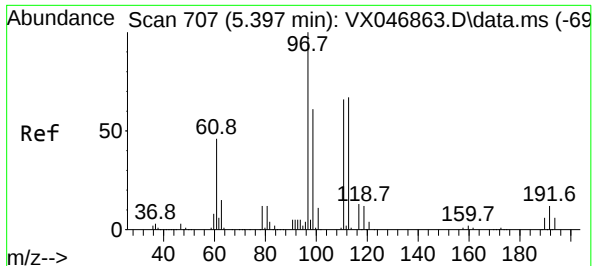
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.4

88 16.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.502 ug/l

RT: 5.403 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX046989.D

Acq: 15 Jul 2025 10:39

Instrument :

MSVOA_X

ClientSampleId :

VX0715MBL01

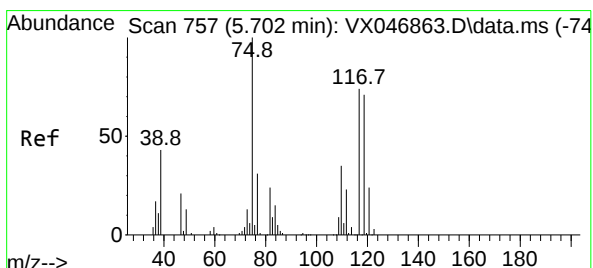
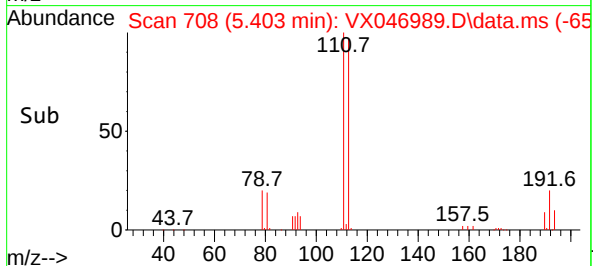
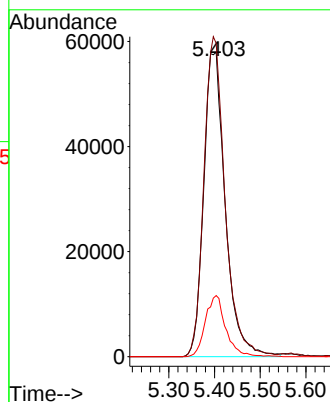
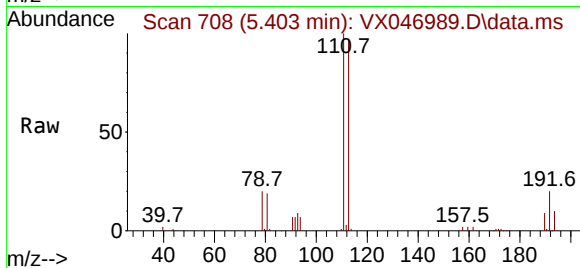
Tgt Ion:113 Resp: 190701

Ion Ratio Lower Upper

113 100

111 102.7 81.2 121.8

192 18.9 15.3 22.9



#36

1,1-Dichloropropene

Concen: 5.271 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX046989.D

Acq: 15 Jul 2025 10:39

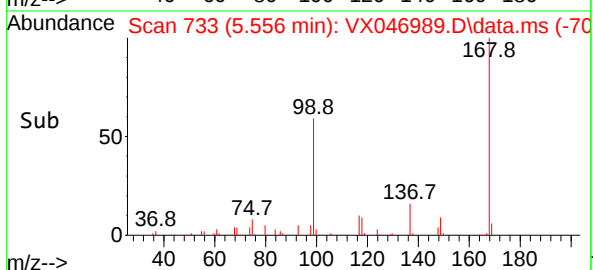
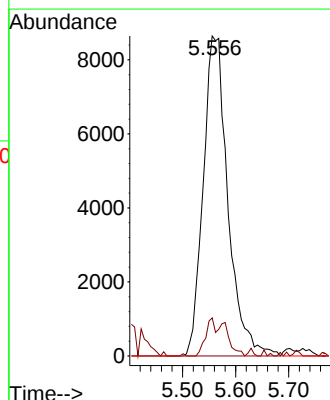
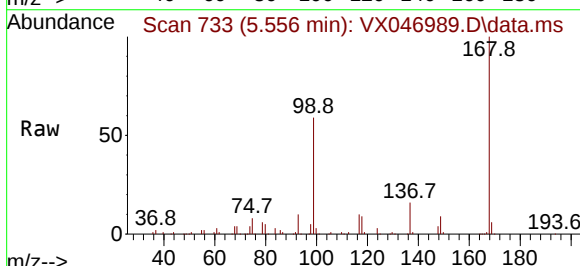
Tgt Ion: 75 Resp: 27961

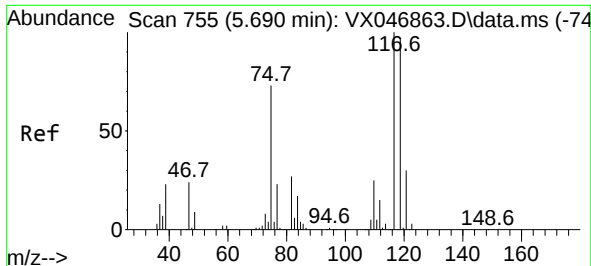
Ion Ratio Lower Upper

75 100

110 4.7 17.3 51.9#

77 0.0 24.2 36.4#

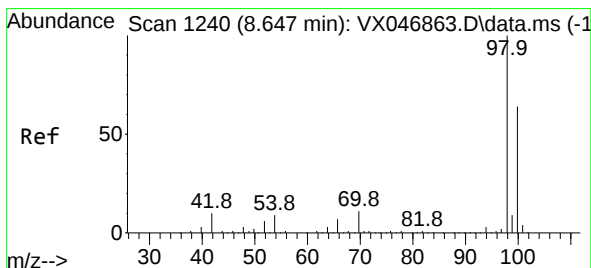
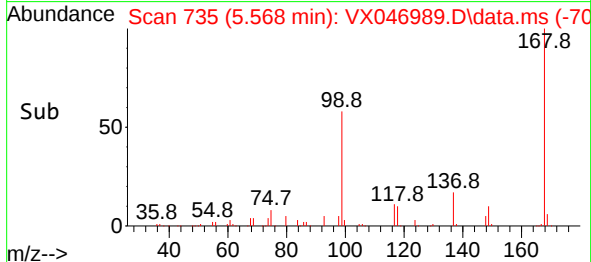
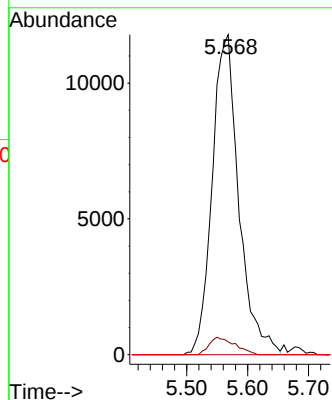
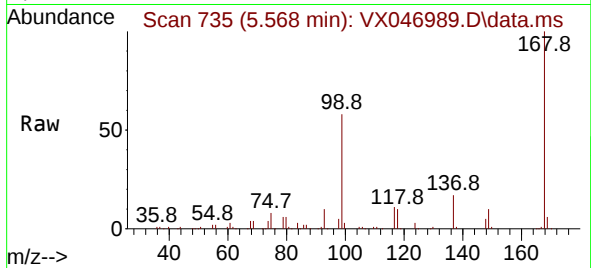




#38
Carbon Tetrachloride
Concen: 6.379 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

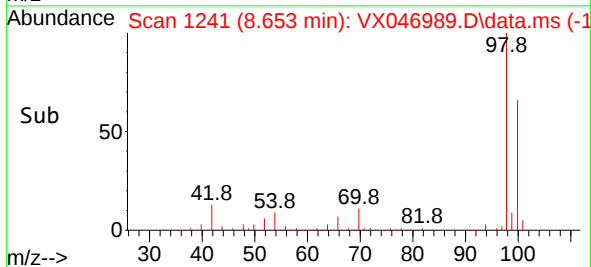
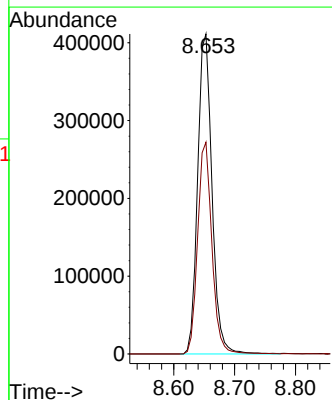
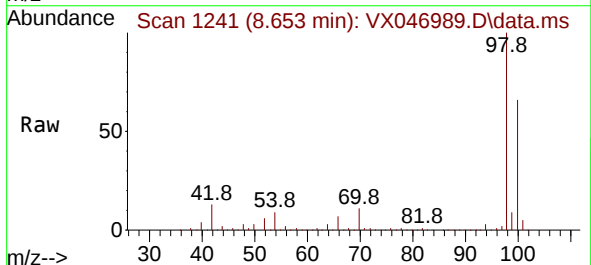
Instrument :
MSVOA_X
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VX0715MBL01

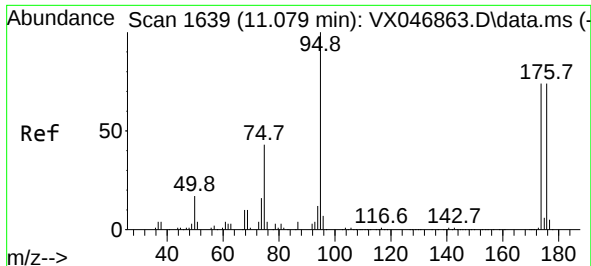
Tgt Ion:117 Resp: 35773
Ion Ratio Lower Upper
117 100
119 4.0 76.6 114.8#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 48.469 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion: 98 Resp: 672365
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.6

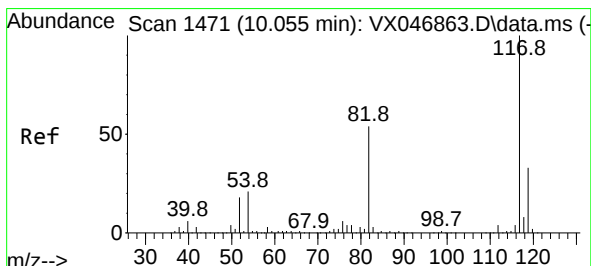
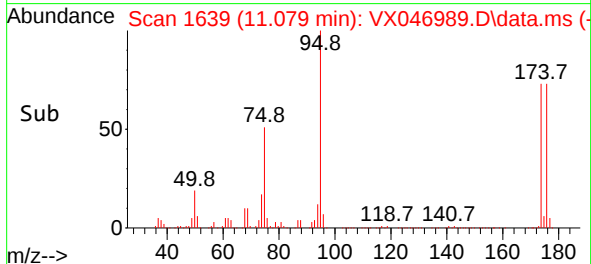
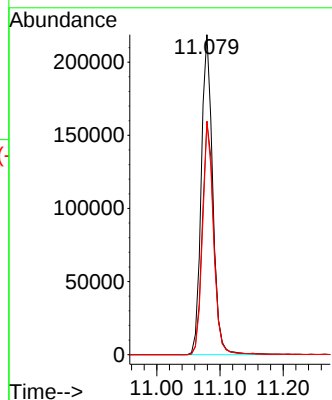
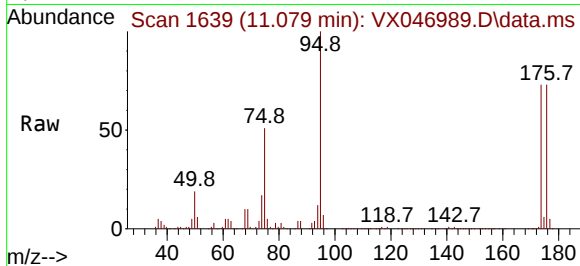




#62
4-Bromofluorobenzene
Concen: 52.208 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

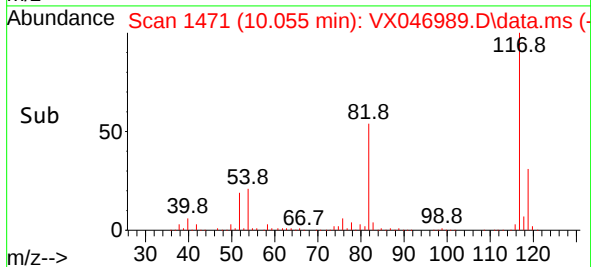
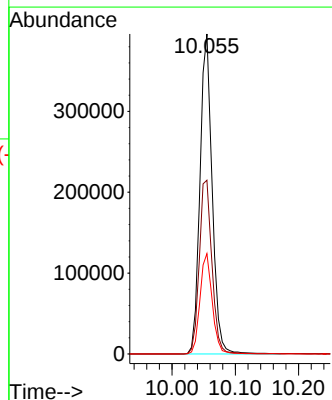
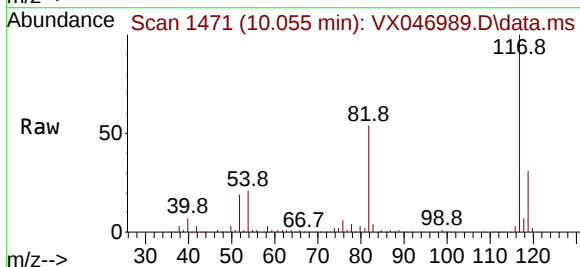
Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

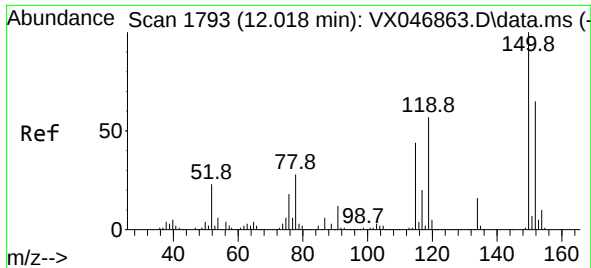
Tgt Ion: 95 Resp: 275251
Ion Ratio Lower Upper
95 100
174 73.5 0.0 152.0
176 70.0 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion: 117 Resp: 530422
Ion Ratio Lower Upper
117 100
82 54.3 43.3 64.9
119 31.4 26.4 39.6

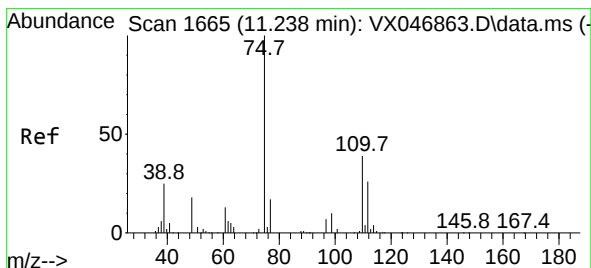
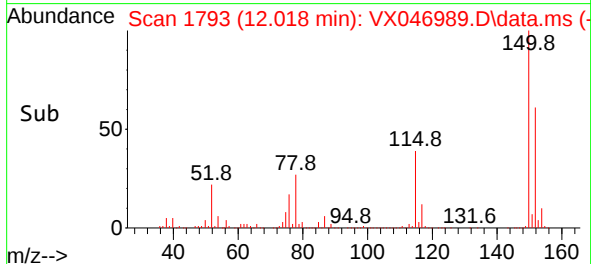
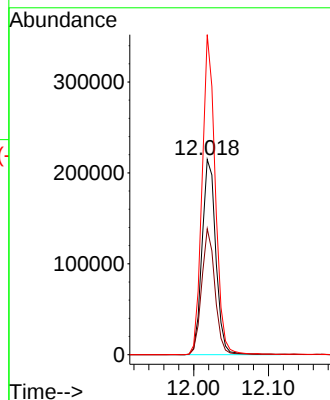
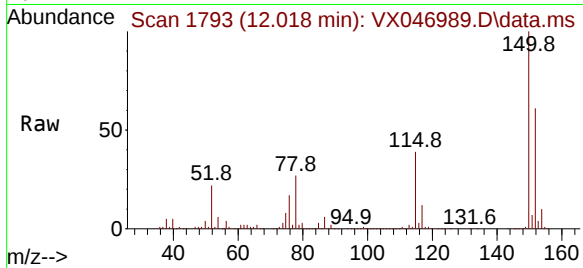




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

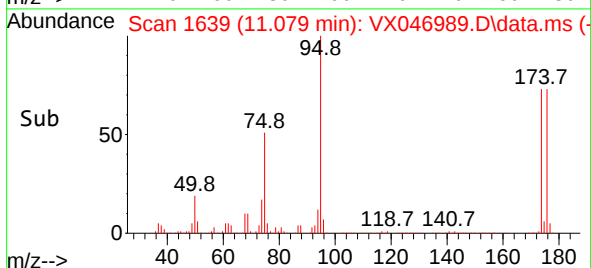
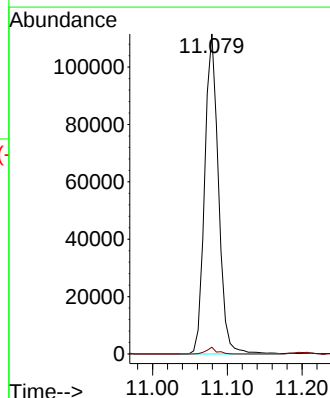
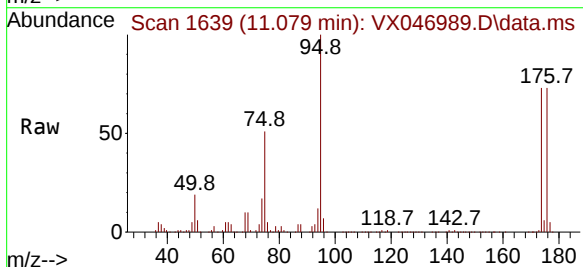
Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

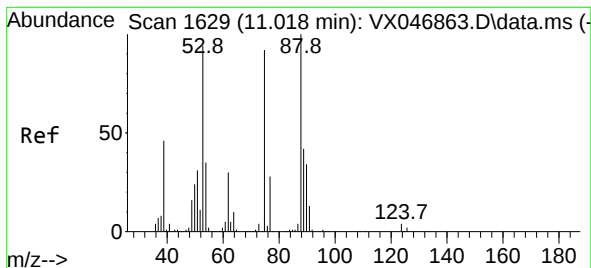
Tgt Ion:152 Resp: 275487
Ion Ratio Lower Upper
152 100
115 62.1 42.4 127.1
150 156.5 0.0 349.2



#76
1,2,3-Trichloropropane
Concen: 33.545 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion: 75 Resp: 142788
Ion Ratio Lower Upper
75 100
77 1.6 20.6 61.8#

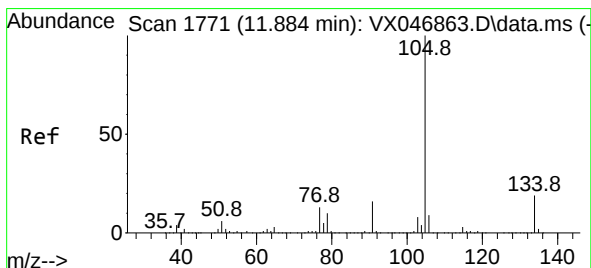
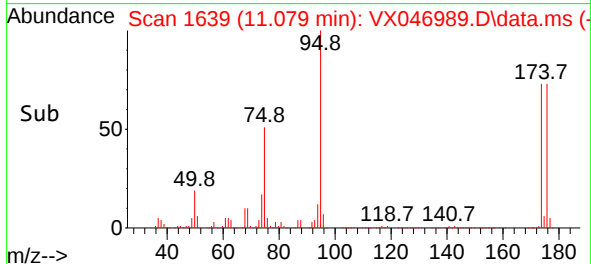
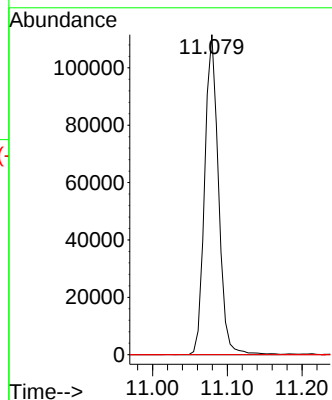
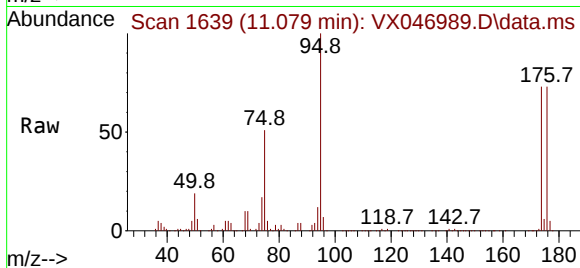




#81
trans-1,4-Dichloro-2-butene
Concen: 90.017 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

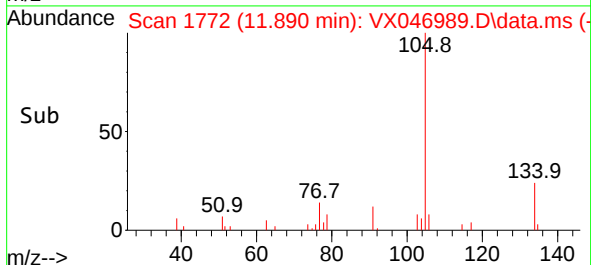
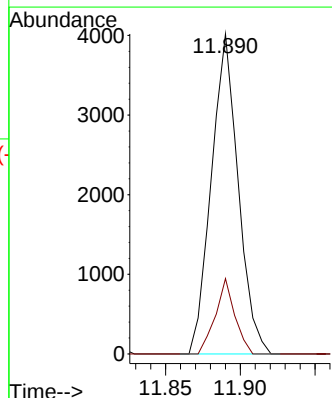
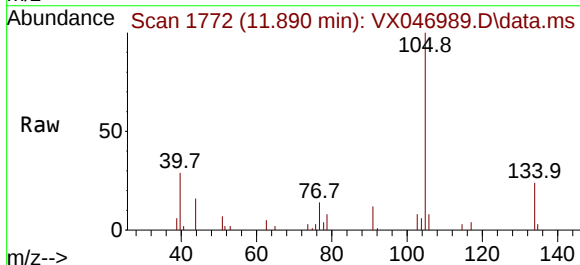
Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

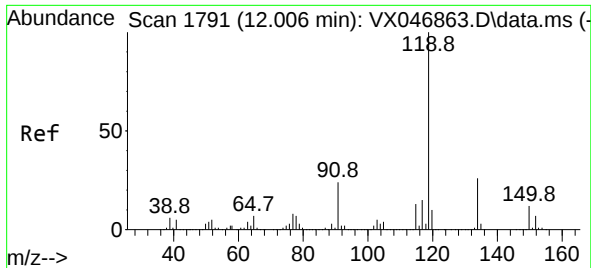
Tgt Ion: 75 Resp: 142788
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#85
sec-Butylbenzene
Concen: 0.245 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion: 105 Resp: 5013
Ion Ratio Lower Upper
105 100
134 17.0 9.9 29.7

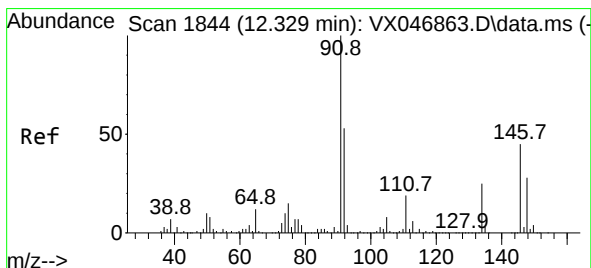
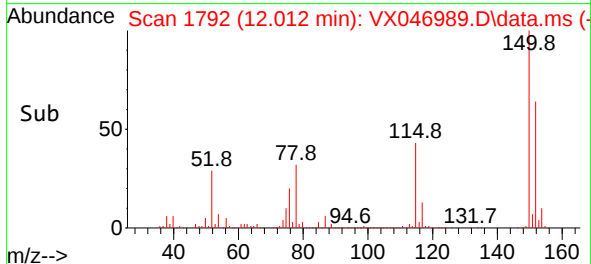
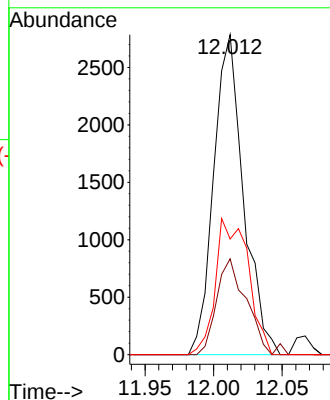
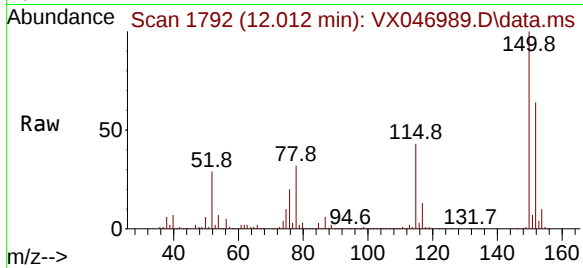




#86
p-Isopropyltoluene
Concen: 0.246 ug/l
RT: 12.012 min Scan# 119
Delta R.T. 0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

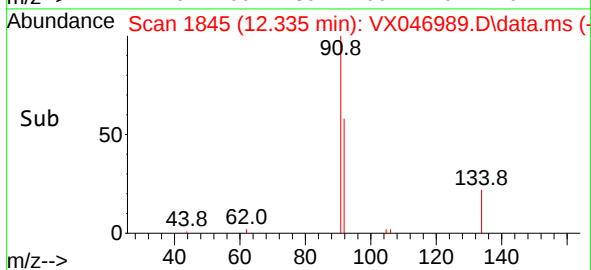
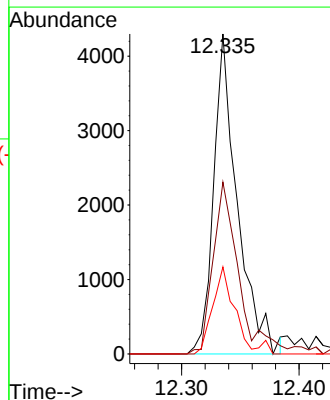
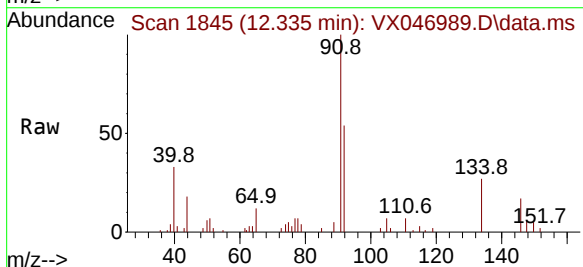
Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

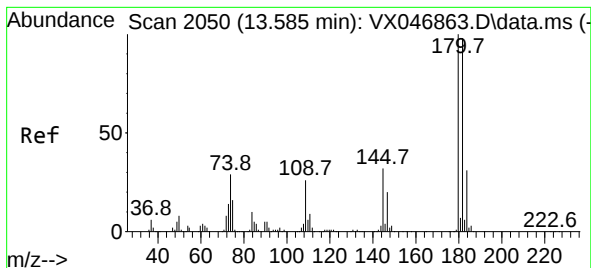
Tgt Ion:119 Resp: 4222
Ion Ratio Lower Upper
119 100
134 30.2 13.0 39.0
91 46.6 12.0 36.1#



#89
n-Butylbenzene
Concen: 0.374 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion: 91 Resp: 6023
Ion Ratio Lower Upper
91 100
92 60.0 27.0 81.0
134 26.1 12.8 38.4





#93

1,2,4-Trichlorobenzene

Concen: 0.524 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX046989.D

Acq: 15 Jul 2025 10:39

Instrument :

MSVOA_X

ClientSampleId :

VX0715MBL01

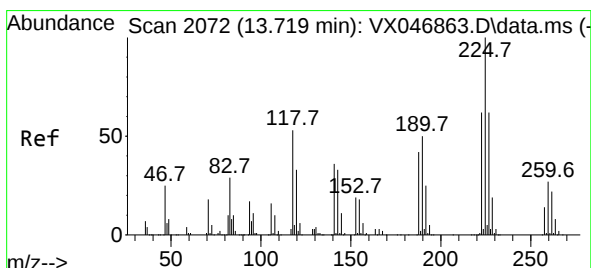
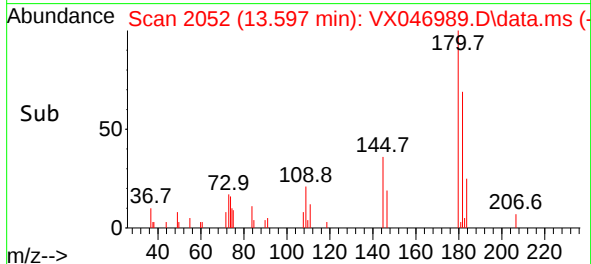
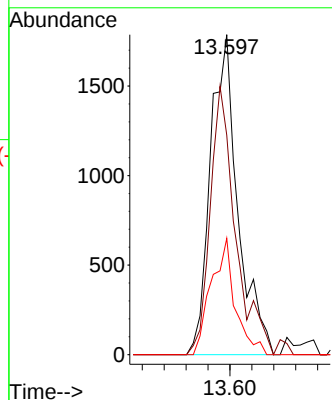
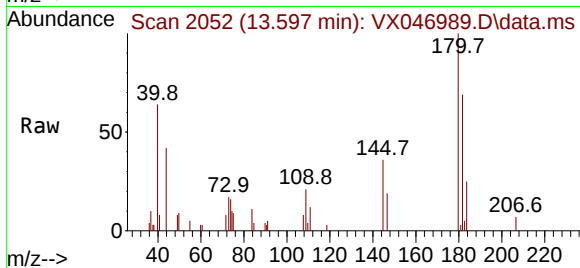
Tgt Ion:180 Resp: 3114

Ion Ratio Lower Upper

180 100

182 76.9 47.3 141.9

145 31.7 16.1 48.2



#94

Hexachlorobutadiene

Concen: 2.425 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX046989.D

Acq: 15 Jul 2025 10:39

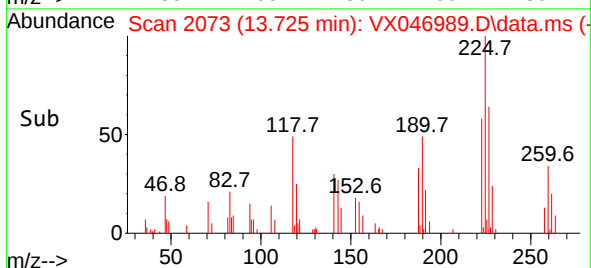
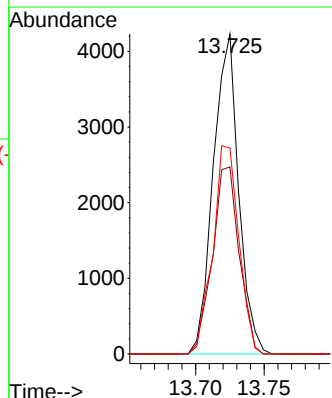
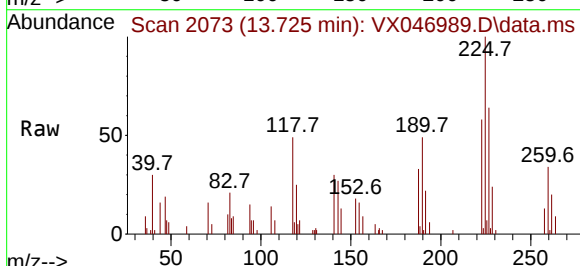
Tgt Ion:225 Resp: 5432

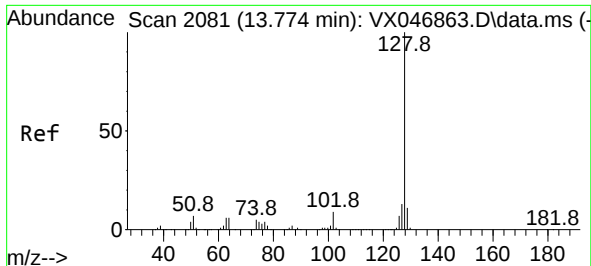
Ion Ratio Lower Upper

225 100

223 61.9 31.6 94.7

227 66.9 31.6 94.7

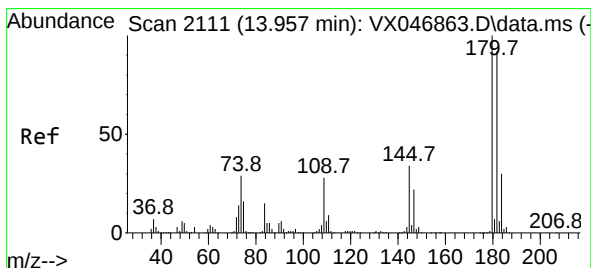
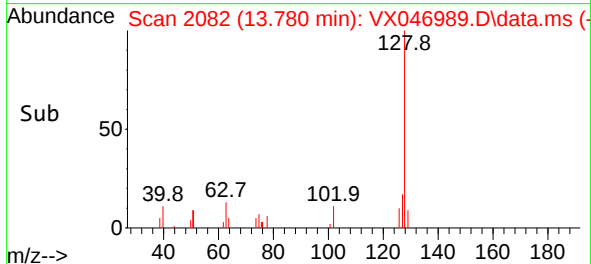
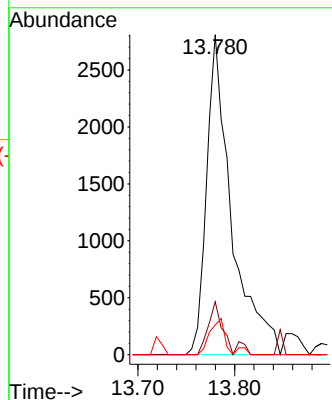
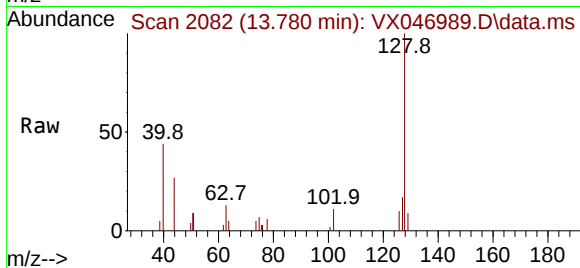




#95
Naphthalene
Concen: 0.322 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

Tgt Ion:128 Resp: 5034
Ion Ratio Lower Upper
128 100
127 9.3 10.2 15.4#
129 6.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.522 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion:180 Resp: 2929
Ion Ratio Lower Upper
180 100
182 90.7 46.7 140.1
145 32.8 16.8 50.3

