

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048165.D
 Acq On : 14 Oct 2025 14:52
 Operator : JC/MD
 Sample : Q3276-01 100X
 Misc : 6.06g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 02:46:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

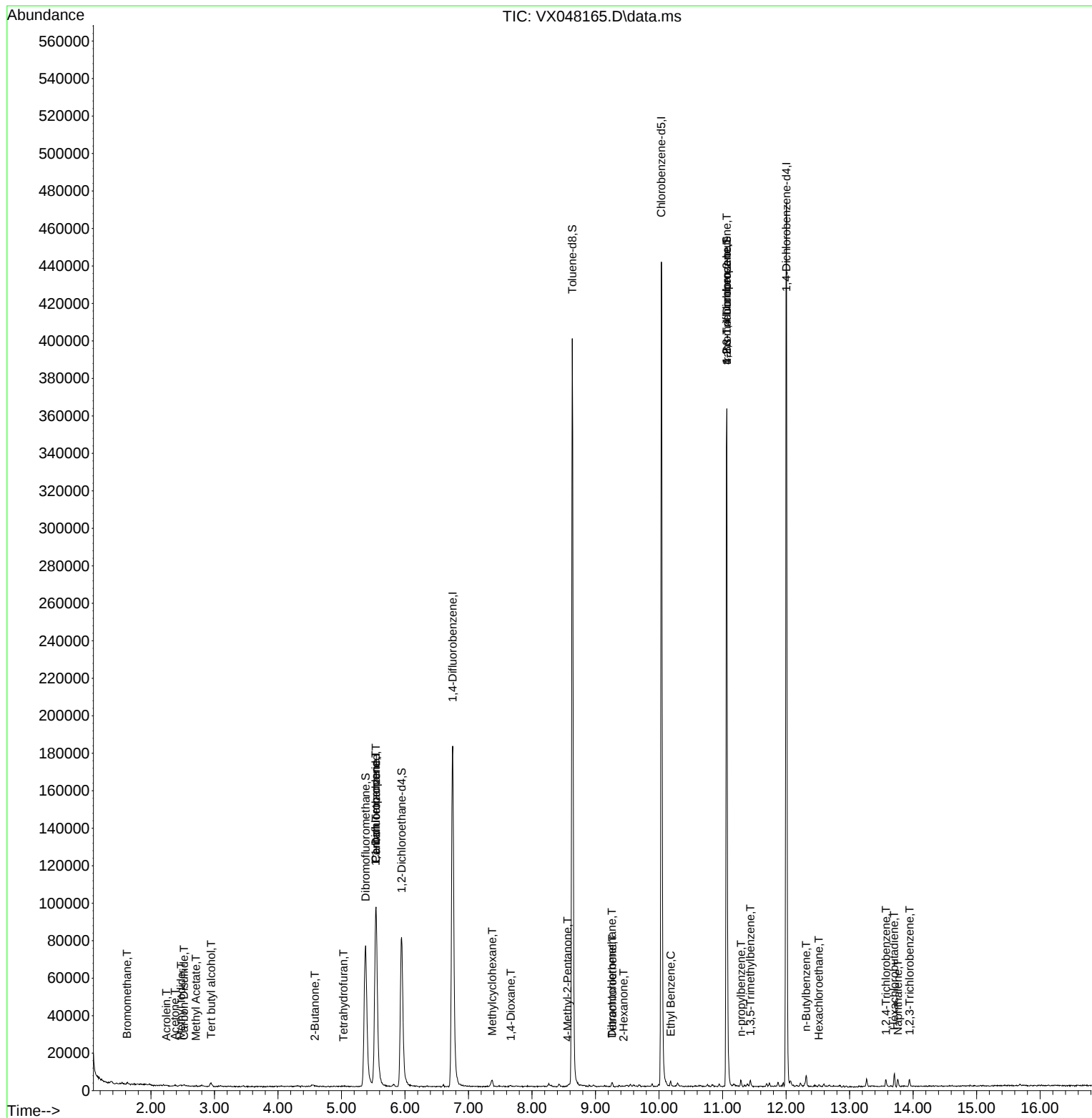
Internal Standards						
1) Pentafluorobenzene	5.544	168	97028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	199934	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	204081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	98525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	88041	57.005	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.020%	
35) Dibromofluoromethane	5.379	113	73464	54.788	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.580%	
50) Toluene-d8	8.635	98	244508	52.699	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.400%	
62) 4-Bromofluorobenzene	11.067	95	102815	58.390	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.780%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	485	0.592	ug/l #	76
10) Methyl Iodide	2.477	142	1168	0.667	ug/l #	78
11) Tert butyl alcohol	2.947	59	1338	7.779	ug/l #	72
13) Acrolein	2.239	56	69	0.435	ug/l #	46
16) Acetone	2.380	43	715	1.065	ug/l #	74
17) Carbon Disulfide	2.520	76	1100	0.349	ug/l #	76
18) Methyl Acetate	2.709	43	364	0.244	ug/l	92
25) 2-Butanone	4.580	43	202	0.241	ug/l #	50
29) Tetrahydrofuran	5.032	42	192	0.381	ug/l #	34
36) 1,1-Dichloropropene	5.538	75	8239	4.205	ug/l #	51
38) Carbon Tetrachloride	5.544	117	10100	4.744	ug/l #	19
39) Methylcyclohexane	7.373	83	1414	0.636	ug/l	95
49) 1,4-Dioxane	7.665	88	337	19.457	ug/l #	51
51) 4-Methyl-2-Pentanone	8.561	43	383	0.201	ug/l #	70
59) 2-Hexanone	9.439	43	322	0.235	ug/l #	50
60) Dibromochloromethane	9.256	129	445	0.273	ug/l #	11
64) Tetrachloroethene	9.262	164	408	0.307	ug/l	89
67) Ethyl Benzene	10.183	91	1704	0.213	ug/l	92
76) 1,2,3-Trichloropropane	11.067	75	53512	26.825	ug/l #	40
78) n-propylbenzene	11.293	91	2180	0.246	ug/l	91
80) 1,3,5-Trimethylbenzene	11.439	105	1309	0.213	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.067	75	53512	68.409	ug/l #	8
89) n-Butylbenzene	12.317	91	2231	0.381	ug/l #	89
90) Hexachloroethane	12.518	117	223	0.200	ug/l #	48
93) 1,2,4-Trichlorobenzene	13.573	180	940	0.443	ug/l	97
94) Hexachlorobutadiene	13.701	225	988	1.371	ug/l	98
95) Naphthalene	13.762	128	2870	0.444	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.945	180	1075	0.545	ug/l	90

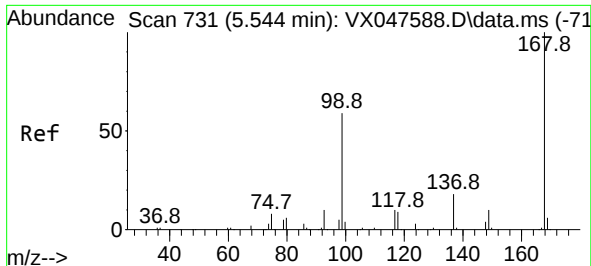
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
Data File : VX048165.D
Acq On : 14 Oct 2025 14:52
Operator : JC/MD
Sample : Q3276-01 100X
Misc : 6.06g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

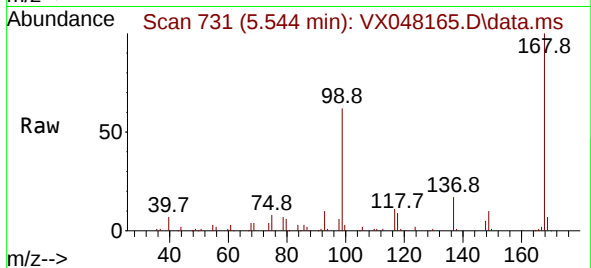
Quant Time: Oct 15 02:46:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



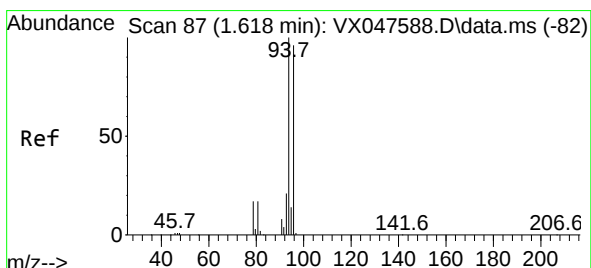
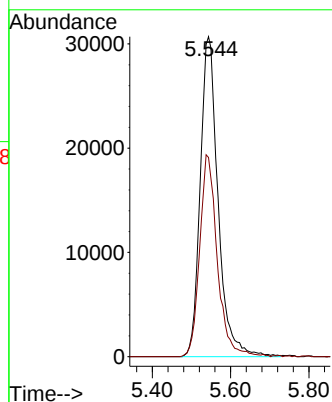
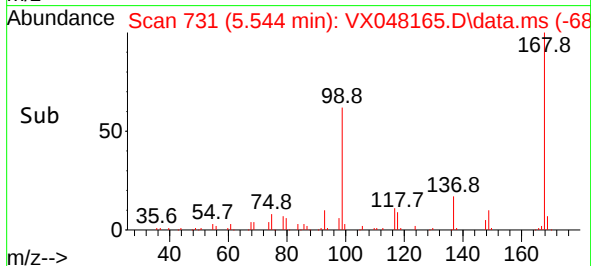


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

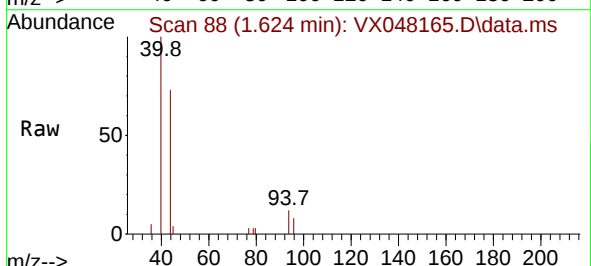
Instrument :
MSVOA_X
ClientSampleId :



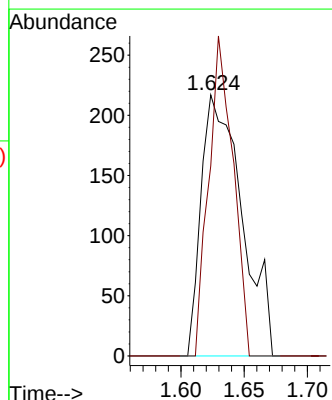
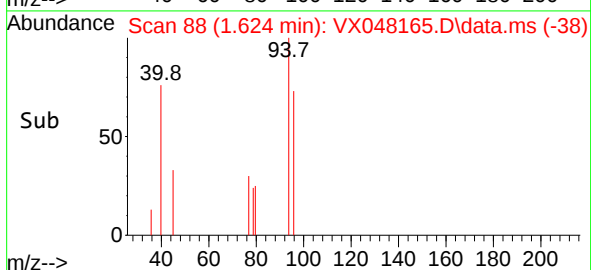
Tgt Ion:168 Resp: 97028
Ion Ratio Lower Upper
168 100
99 62.3 48.8 73.2

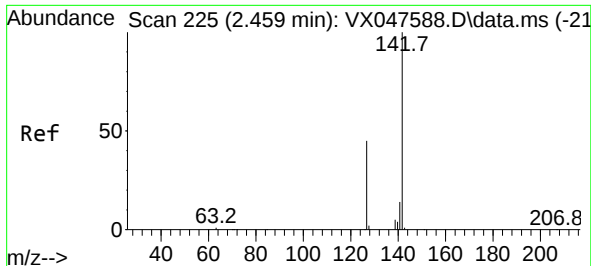


#5
Bromomethane
Concen: 0.592 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52



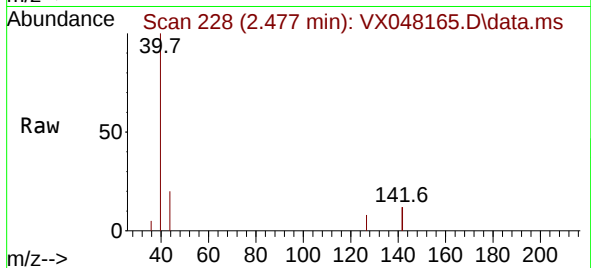
Tgt Ion: 94 Resp: 485
Ion Ratio Lower Upper
94 100
96 72.8 76.6 115.0#



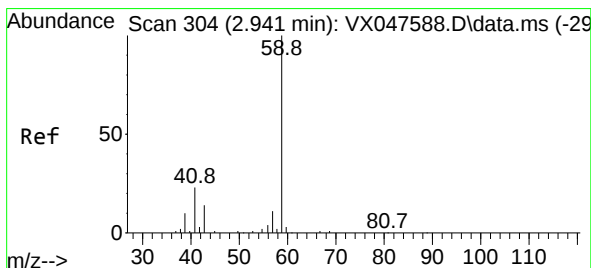
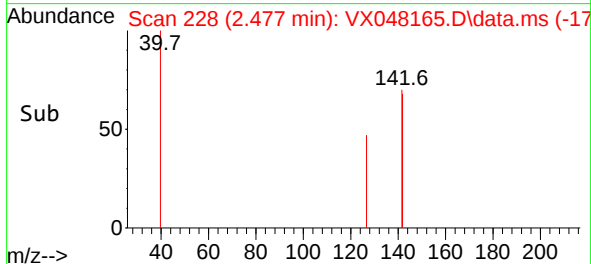
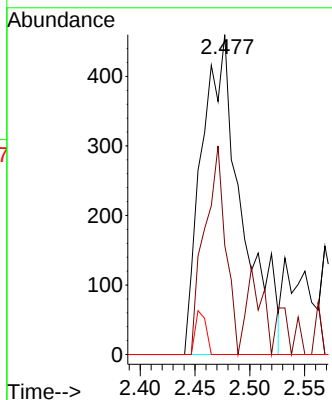


#10
Methyl Iodide
Concen: 0.667 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Instrument :
MSVOA_X
ClientSampleId :

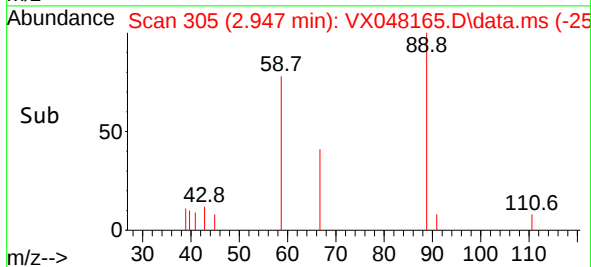
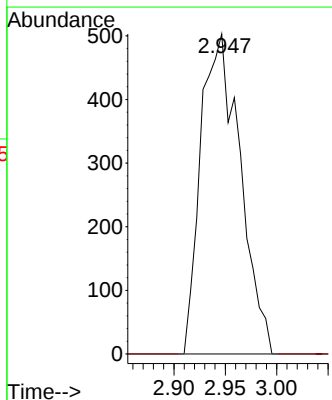
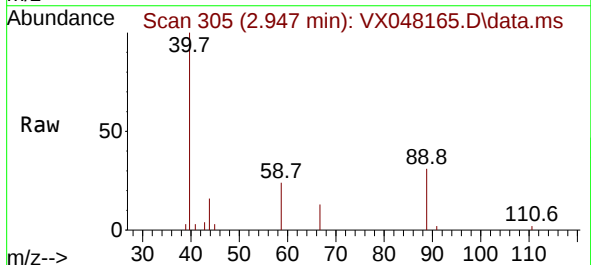


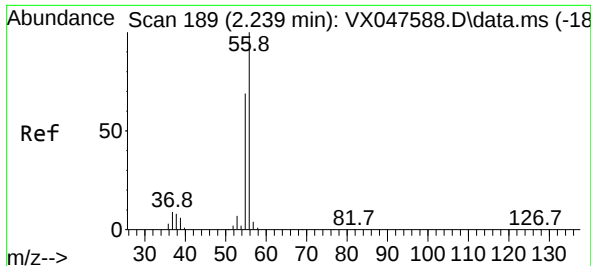
Tgt Ion:142 Resp: 1168
Ion Ratio Lower Upper
142 100
127 34.5 37.2 55.8#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 7.779 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

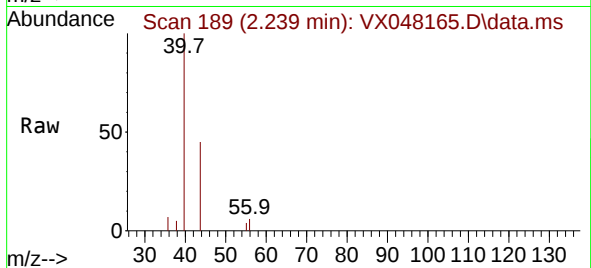
Tgt Ion: 59 Resp: 1338
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



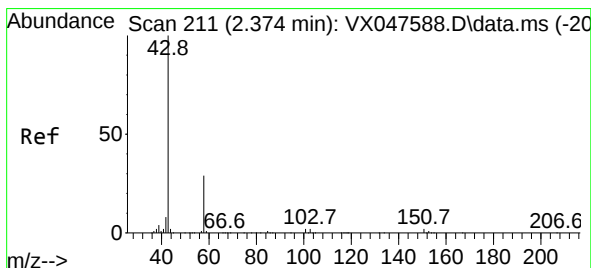
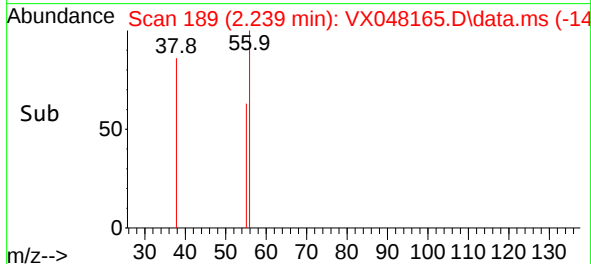
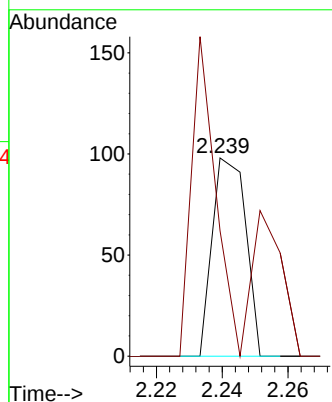


#13
Acrolein
Concen: 0.435 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Instrument :
MSVOA_X
ClientSampleId :

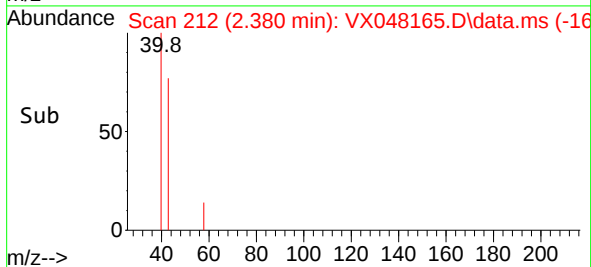
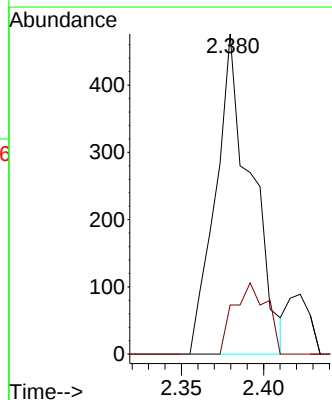
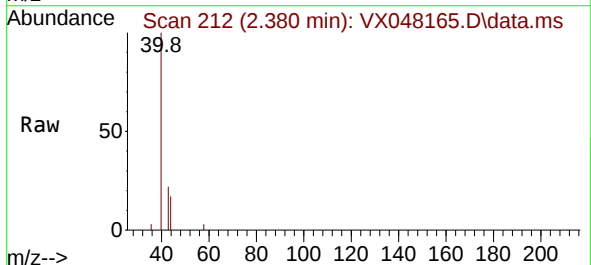


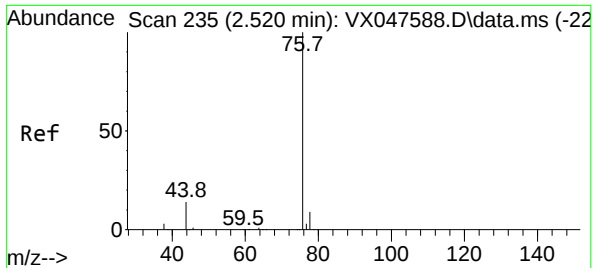
Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
55 115.9 57.2 85.8#



#16
Acetone
Concen: 1.065 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

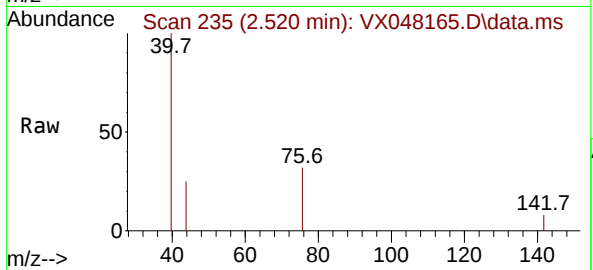
Tgt Ion: 43 Resp: 715
Ion Ratio Lower Upper
43 100
58 15.3 23.4 35.0#



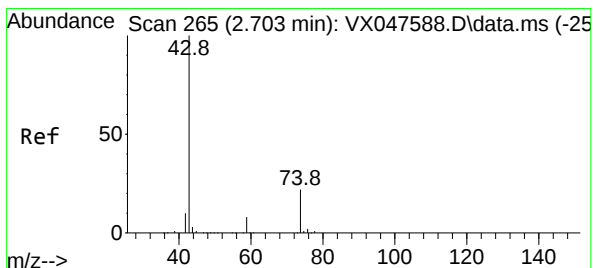
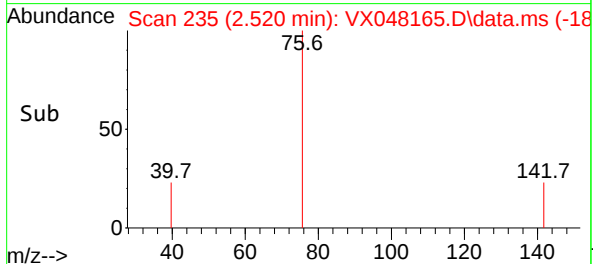
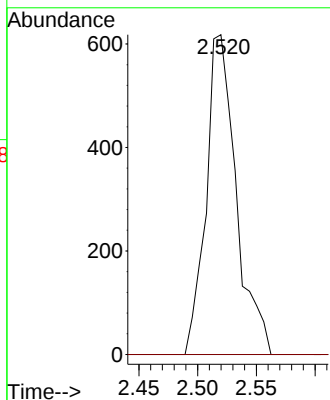


#17
Carbon Disulfide
Concen: 0.349 ug/l
RT: 2.520 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Instrument :
MSVOA_X
ClientSampleId :

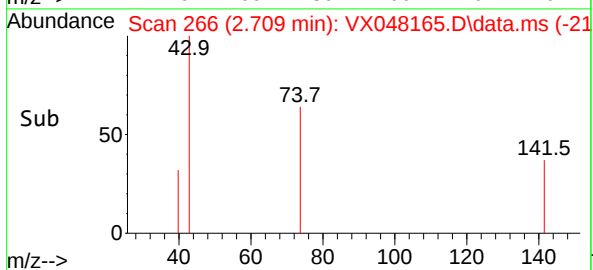
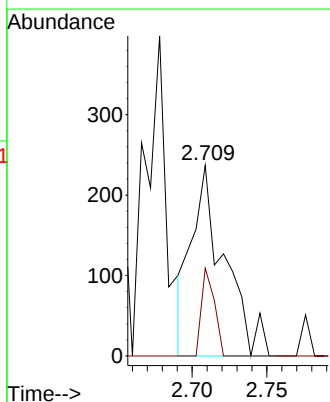
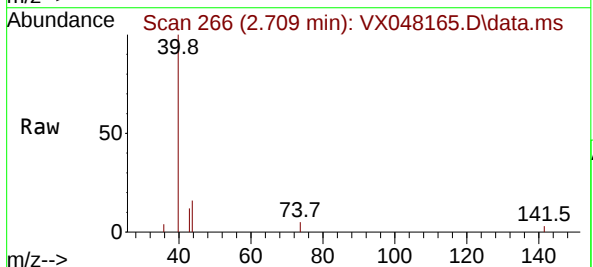


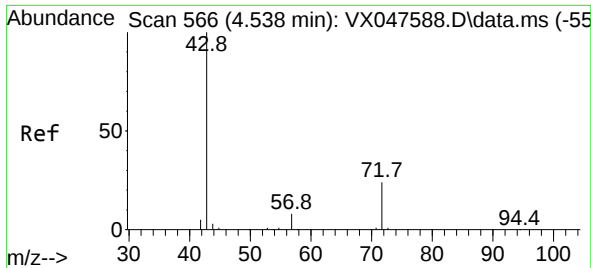
Tgt Ion: 76 Resp: 1100
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#18
Methyl Acetate
Concen: 0.244 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Tgt Ion: 43 Resp: 364
Ion Ratio Lower Upper
43 100
74 17.9 17.4 26.2

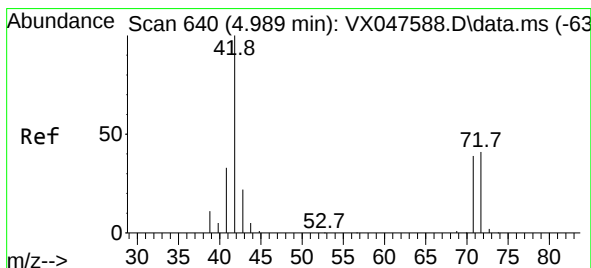
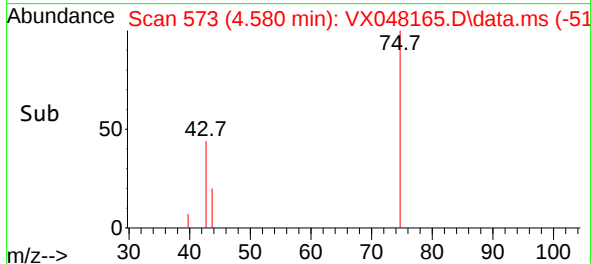
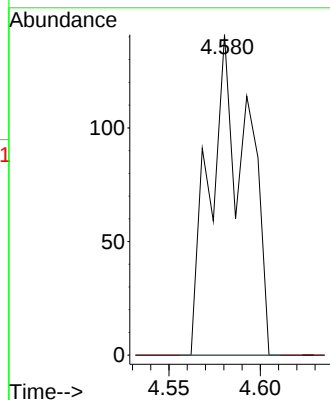
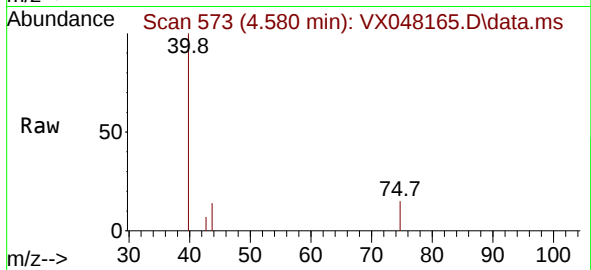




#25
2-Butanone
Concen: 0.241 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.042 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

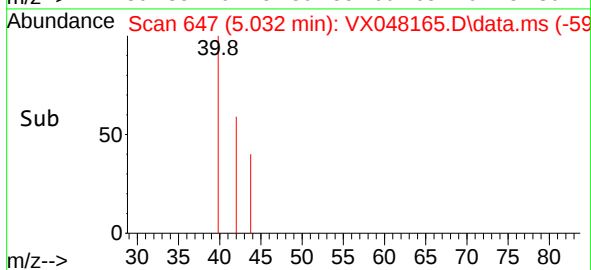
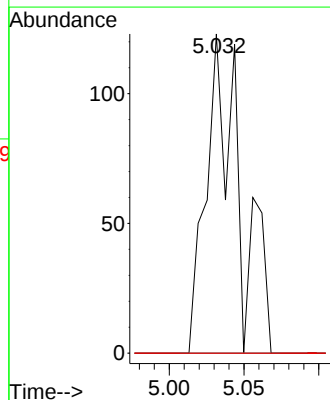
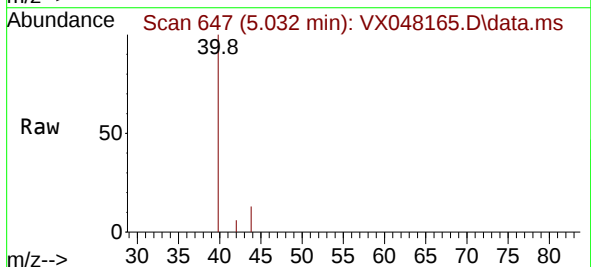
Instrument :
MSVOA_X
ClientSampleId :

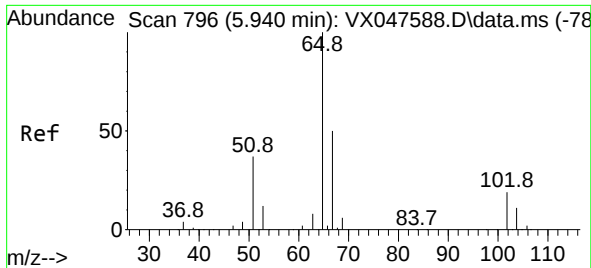
Tgt Ion: 43 Resp: 202
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#29
Tetrahydrofuran
Concen: 0.381 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.043 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Tgt Ion: 42 Resp: 192
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 0.0 31.9 47.9#

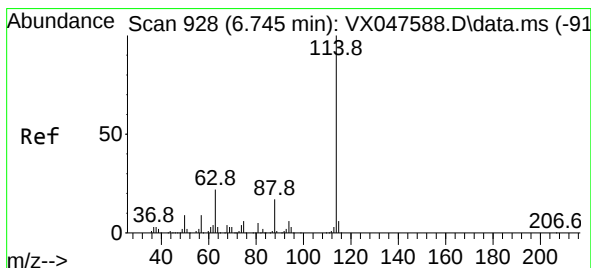
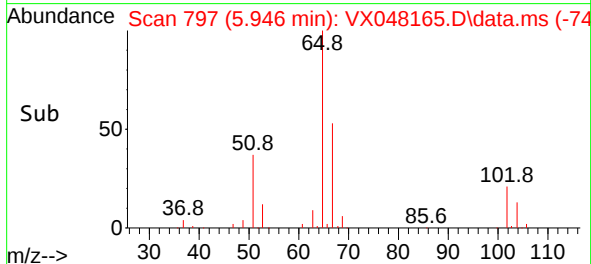
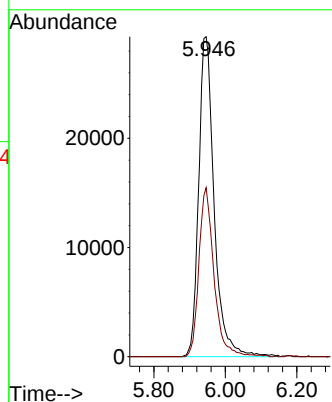
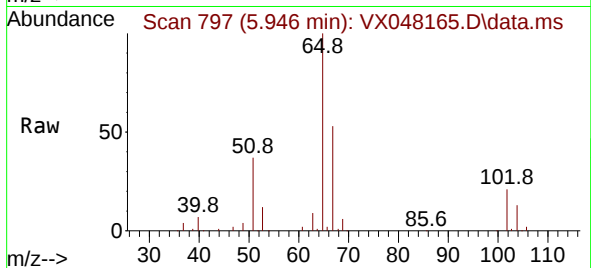




#33
 1,2-Dichloroethane-d4
 Concen: 57.005 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX048165.D
 Acq: 14 Oct 2025 14:52

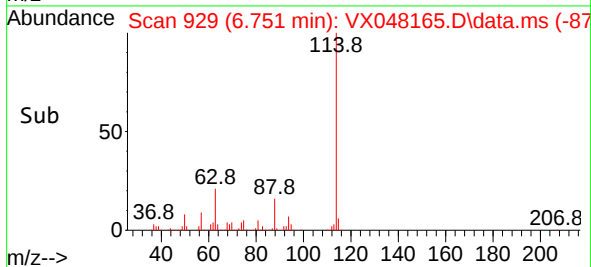
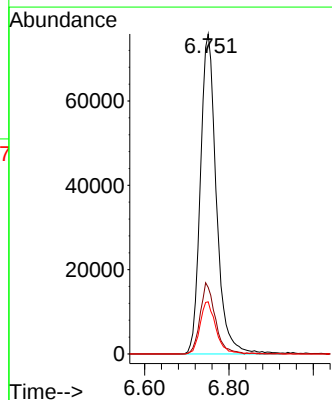
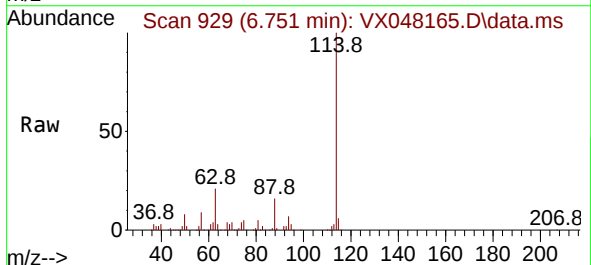
Instrument :
 MSVOA_X
 ClientSampleId :

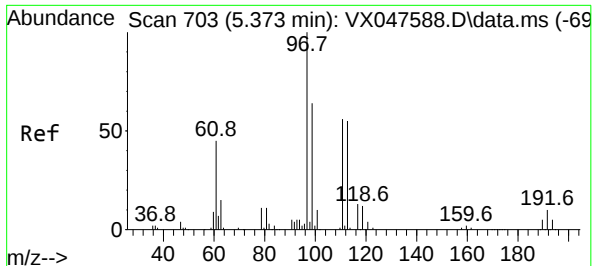
Tgt Ion: 65 Resp: 88041
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048165.D
 Acq: 14 Oct 2025 14:52

Tgt Ion: 114 Resp: 199934
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 44.0
 88 16.3 0.0 34.2

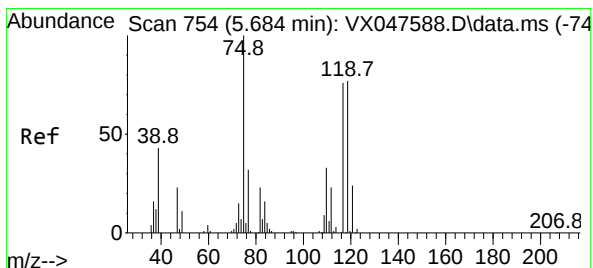
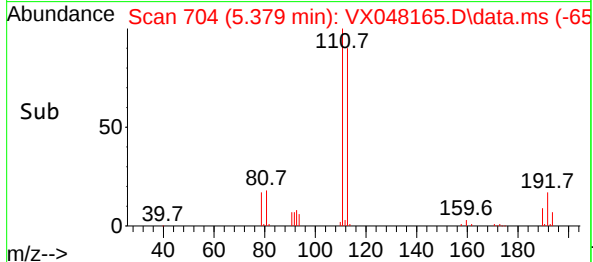
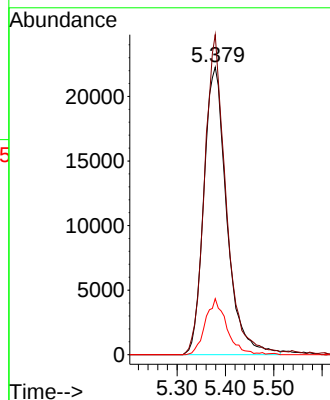
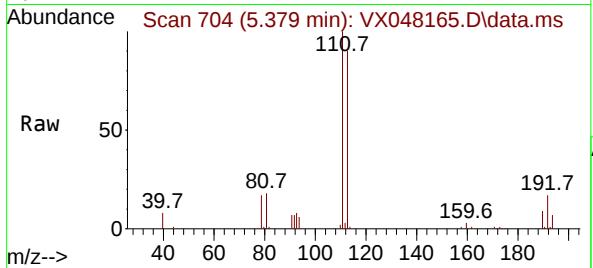




#35
Dibromofluoromethane
Concen: 54.788 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

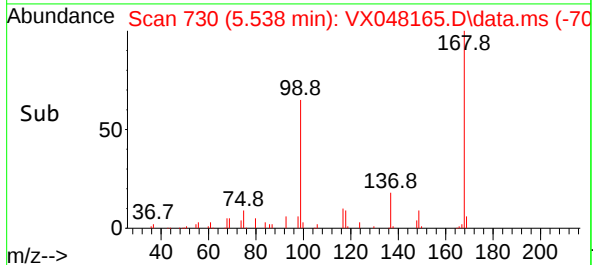
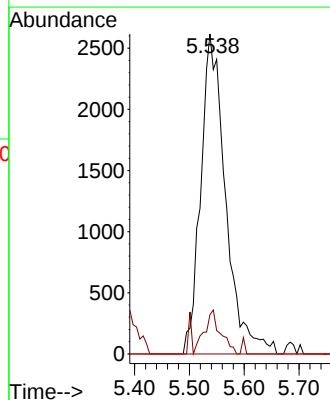
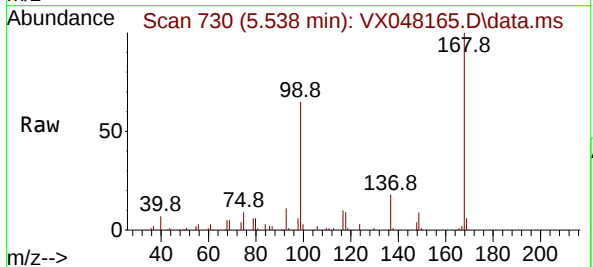
Instrument :
MSVOA_X
ClientSampleId :

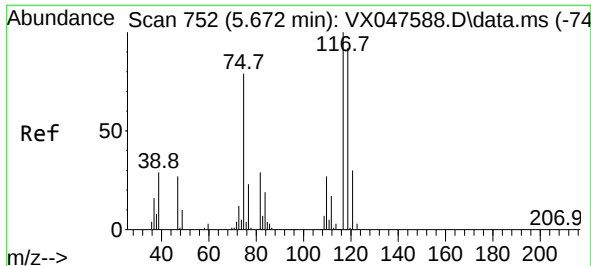
Tgt Ion:113 Resp: 73464
Ion Ratio Lower Upper
113 100
111 104.3 80.9 121.3
192 18.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.205 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

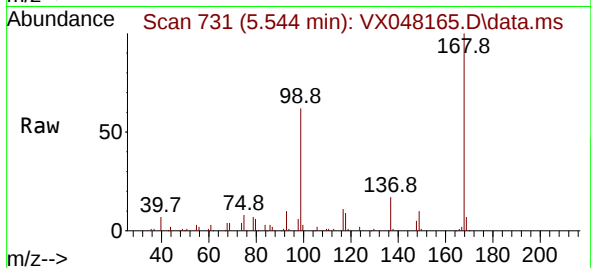
Tgt Ion: 75 Resp: 8239
Ion Ratio Lower Upper
75 100
110 8.6 16.7 50.1#
77 0.0 24.3 36.5#



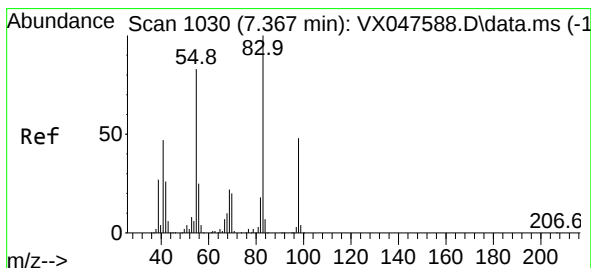
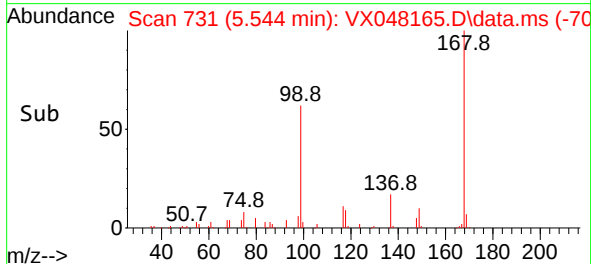
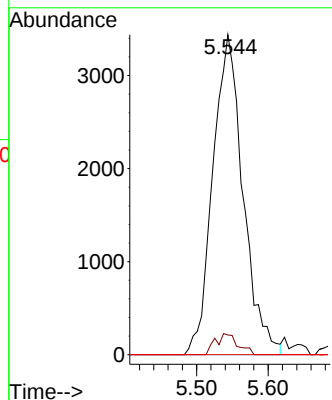


#38
Carbon Tetrachloride
Concen: 4.744 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Instrument :
MSVOA_X
ClientSampleId :

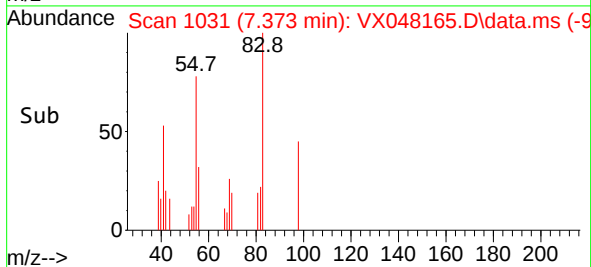
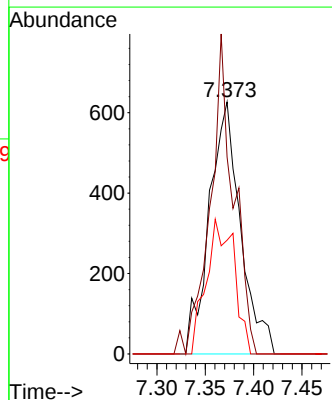
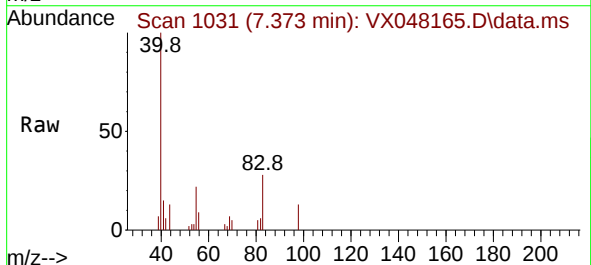


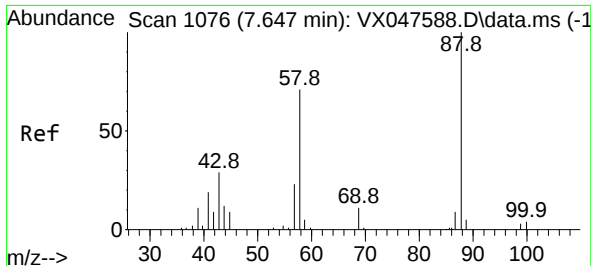
Tgt Ion:117 Resp: 10100
Ion Ratio Lower Upper
117 100
119 6.1 73.4 110.2#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 0.636 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Tgt Ion: 83 Resp: 1414
Ion Ratio Lower Upper
83 100
55 78.1 66.4 99.6
98 45.1 38.1 57.1





#49

1,4-Dioxane

Concen: 19.457 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.018 min

Lab File: VX048165.D

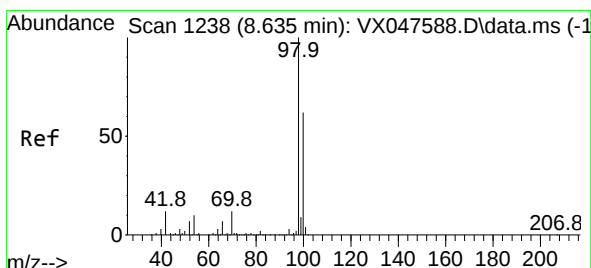
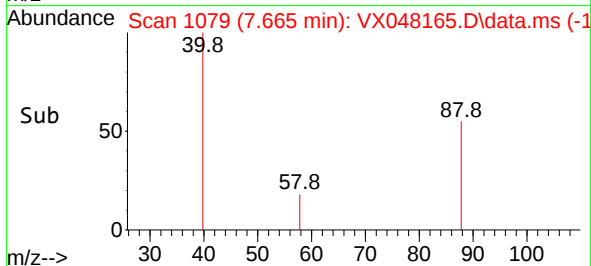
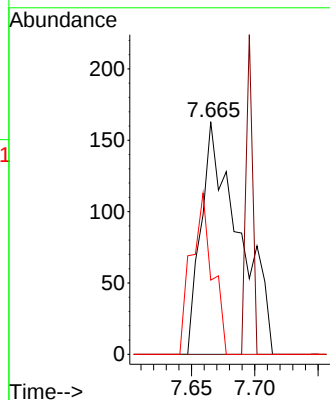
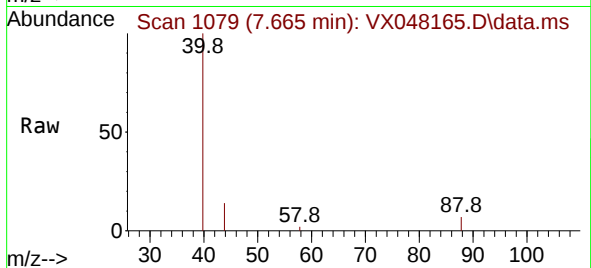
Acq: 14 Oct 2025 14:52

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	88	Resp:	337
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.2	45.2#
58	38.9	59.5	89.3#



#50

Toluene-d8

Concen: 52.699 ug/l

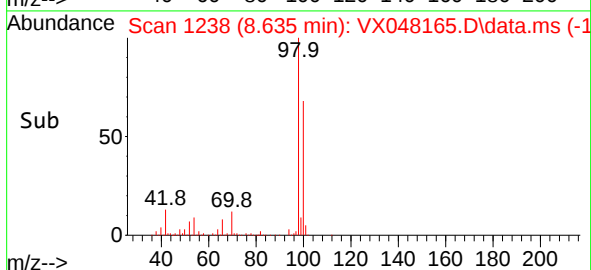
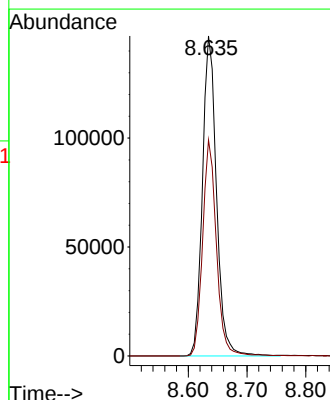
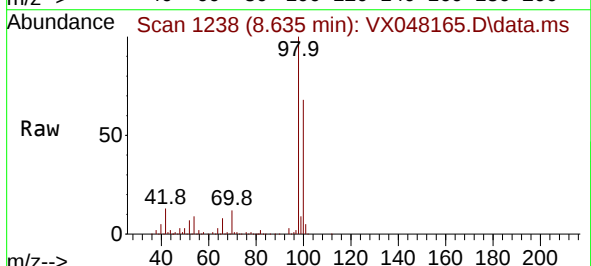
RT: 8.635 min Scan# 1238

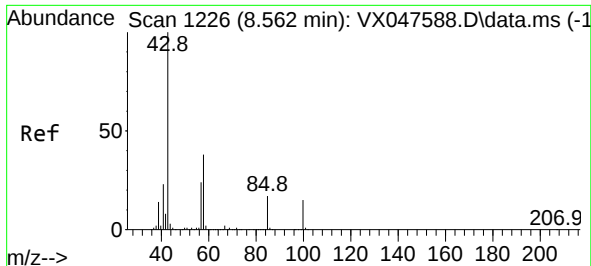
Delta R.T. -0.000 min

Lab File: VX048165.D

Acq: 14 Oct 2025 14:52

Tgt Ion:	98	Resp:	244508
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 0.201 ug/l

RT: 8.561 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048165.D

Acq: 14 Oct 2025 14:52

Instrument :

MSVOA_X

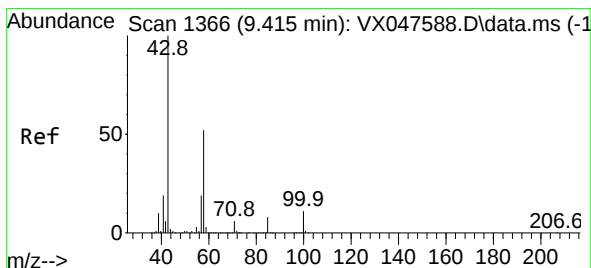
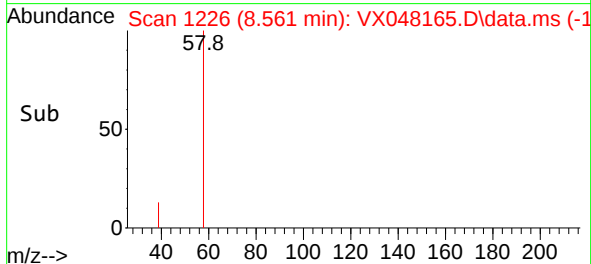
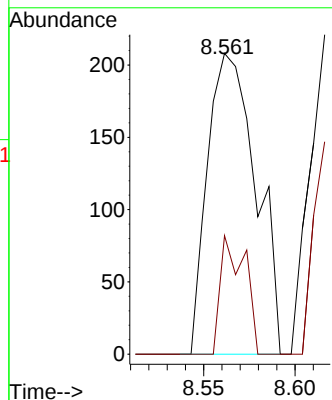
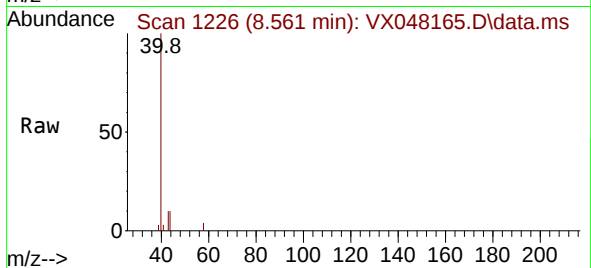
ClientSampleId :

Tgt Ion: 43 Resp: 383

Ion Ratio Lower Upper

43 100

58 19.8 30.3 45.5#



#59

2-Hexanone

Concen: 0.235 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.024 min

Lab File: VX048165.D

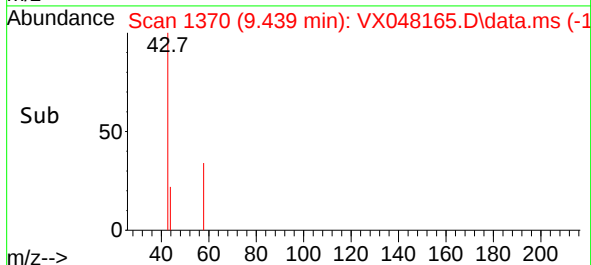
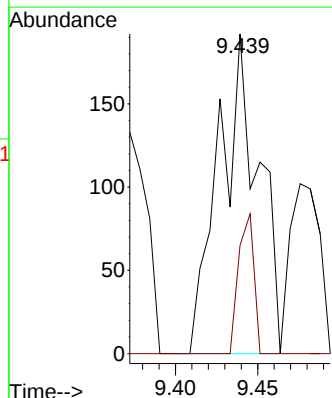
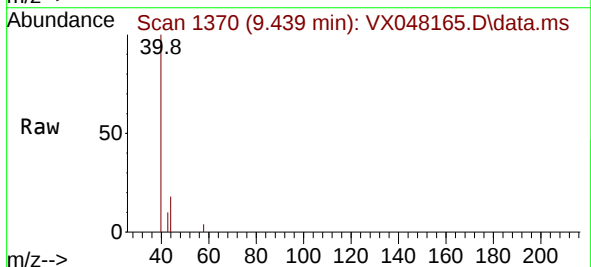
Acq: 14 Oct 2025 14:52

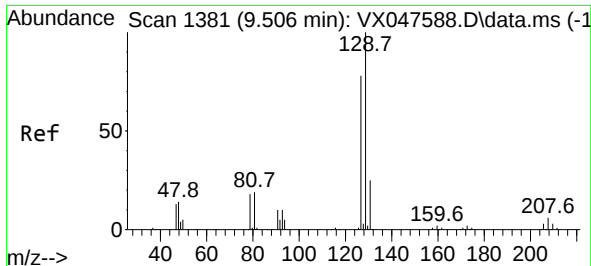
Tgt Ion: 43 Resp: 322

Ion Ratio Lower Upper

43 100

58 17.1 26.1 78.2#

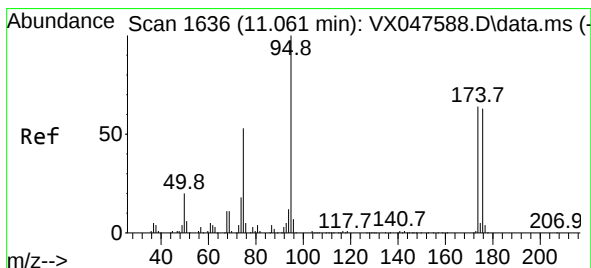
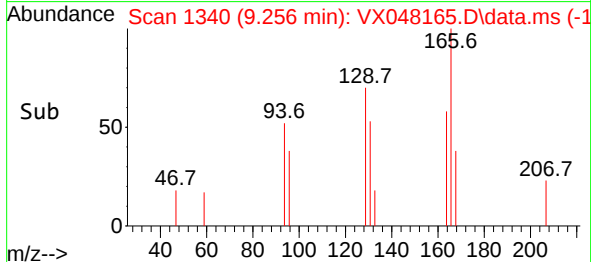
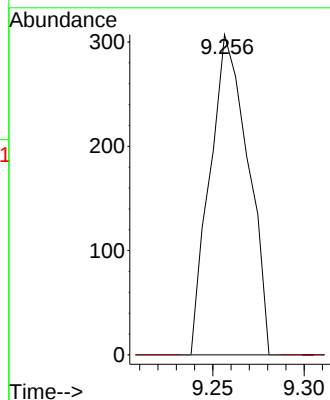
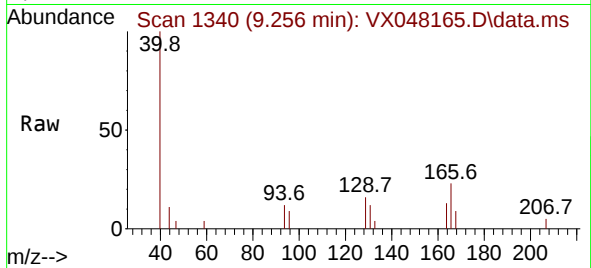




#60
Dibromochloromethane
Concen: 0.273 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

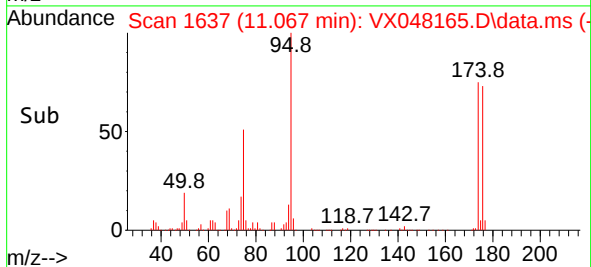
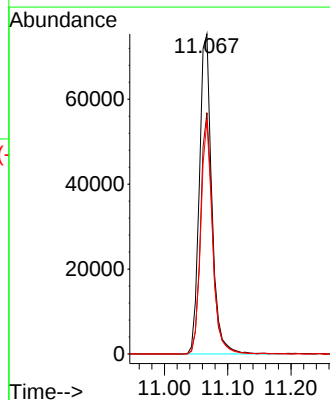
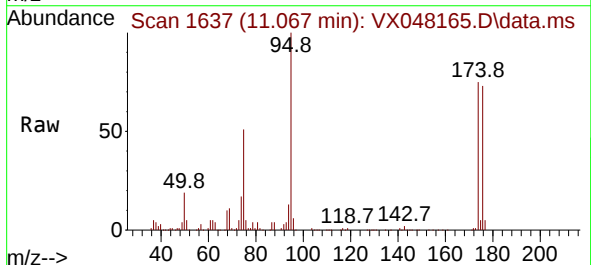
Instrument :
MSVOA_X
ClientSampleId :

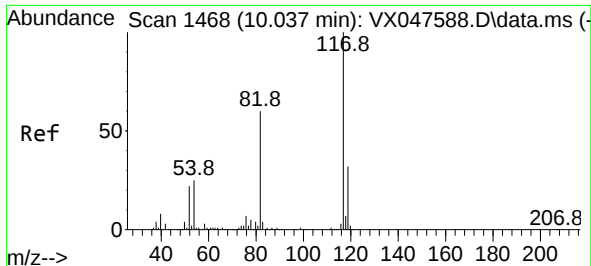
Tgt Ion:129 Resp: 445
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 58.390 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

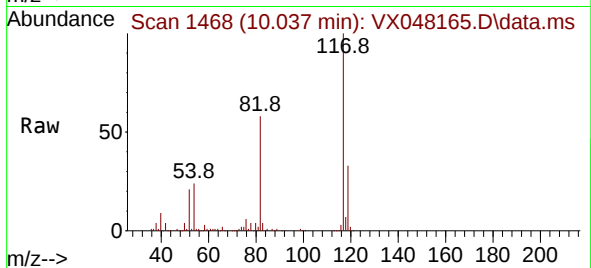
Tgt Ion: 95 Resp: 102815
Ion Ratio Lower Upper
95 100
174 72.8 0.0 141.6
176 69.4 0.0 138.4



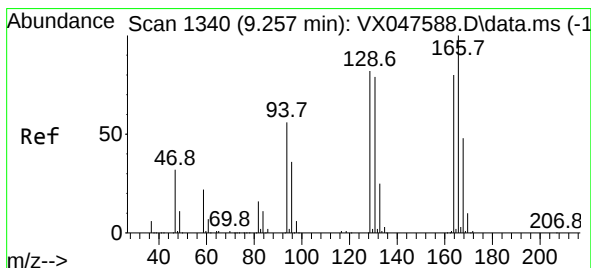
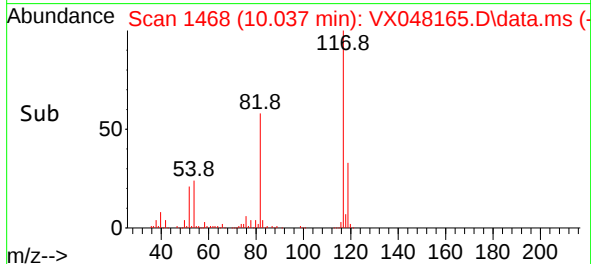
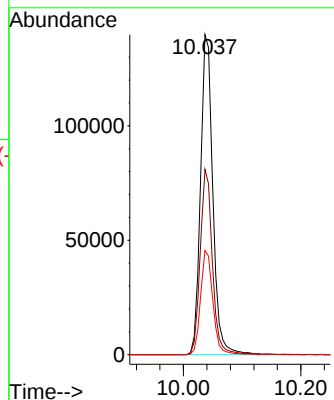


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Instrument :
MSVOA_X
ClientSampleId :

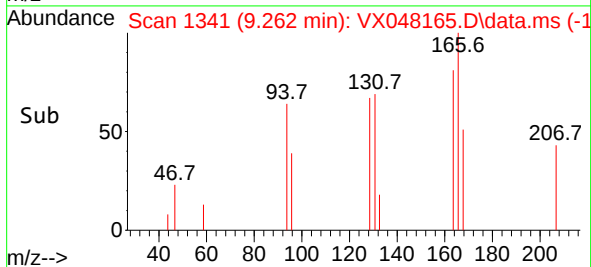
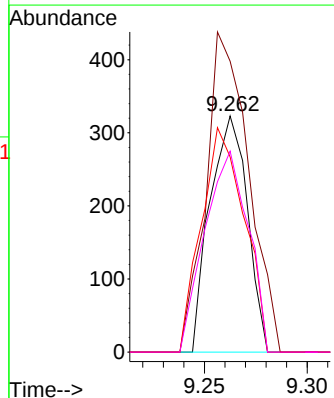
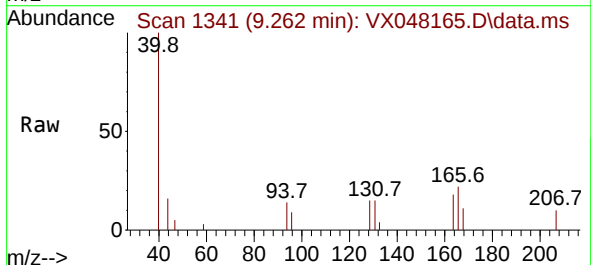


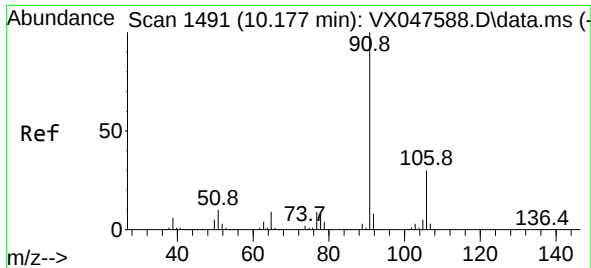
Tgt Ion:	117	Resp:	204081
Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.8	71.6
119	32.5	25.2	37.8



#64
Tetrachloroethene
Concen: 0.307 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Tgt Ion:	164	Resp:	408
Ion	Ratio	Lower	Upper
164	100		
166	123.2	100.2	150.2
129	82.7	81.8	122.6
131	85.1	78.6	118.0

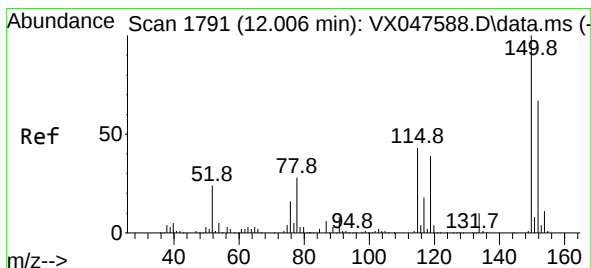
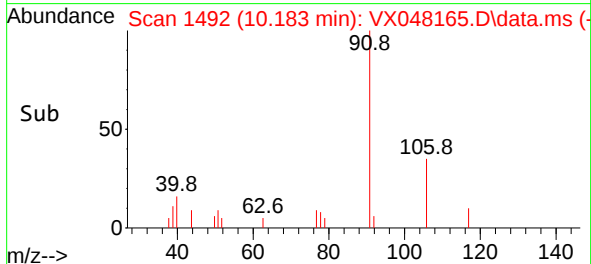
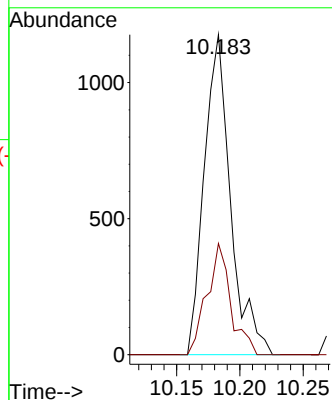
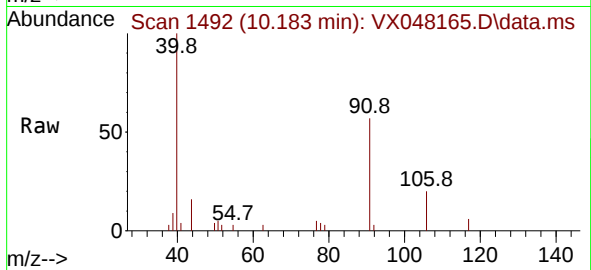




#67
Ethyl Benzene
Concen: 0.213 ug/l
RT: 10.183 min Scan# 1491
Delta R.T. 0.006 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

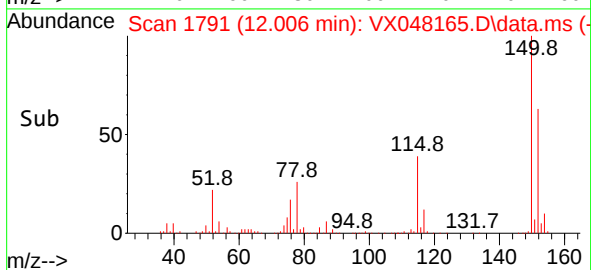
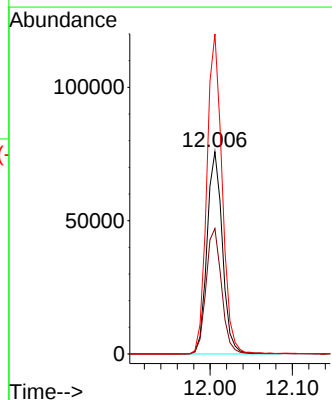
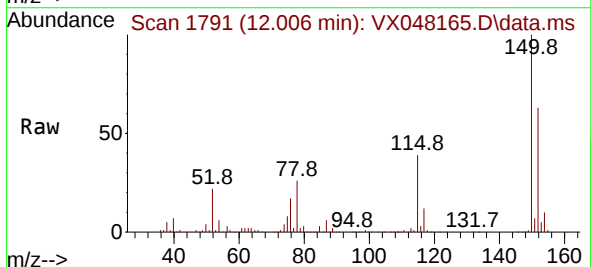
Instrument :
MSVOA_X
ClientSampleId :

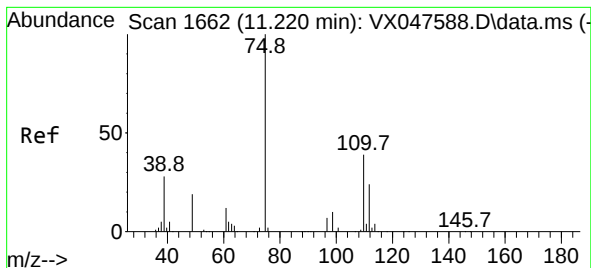
Tgt Ion: 91 Resp: 1704
Ion Ratio Lower Upper
91 100
106 34.8 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Tgt Ion:152 Resp: 98525
Ion Ratio Lower Upper
152 100
115 62.8 44.9 134.5
150 157.8 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 26.825 ug/l

RT: 11.067 min Scan# 1

Delta R.T. -0.153 min

Lab File: VX048165.D

Acq: 14 Oct 2025 14:52

Instrument :

MSVOA_X

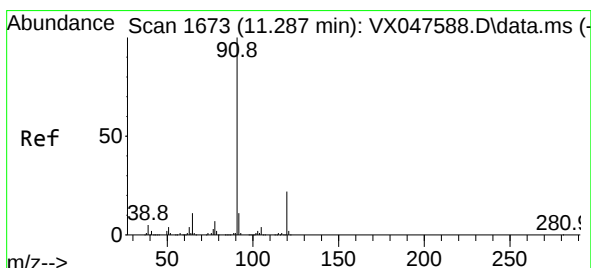
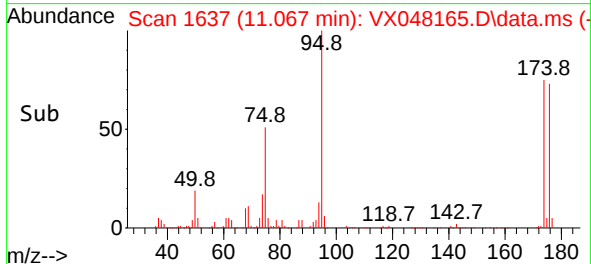
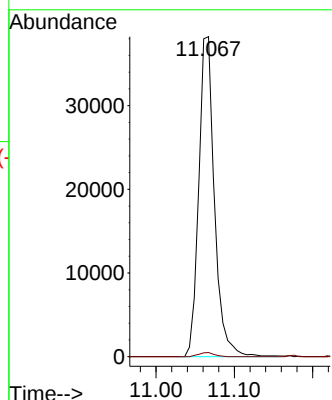
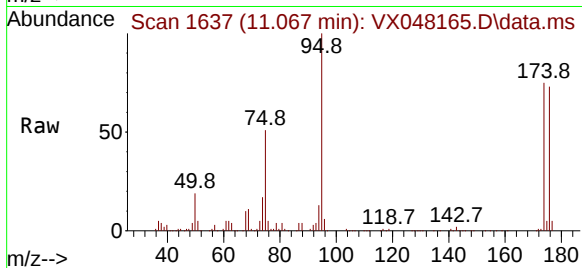
ClientSampleId :

Tgt Ion: 75 Resp: 53512

Ion Ratio Lower Upper

75 100

77 1.3 18.8 56.4#



#78

n-propylbenzene

Concen: 0.246 ug/l

RT: 11.293 min Scan# 1674

Delta R.T. 0.006 min

Lab File: VX048165.D

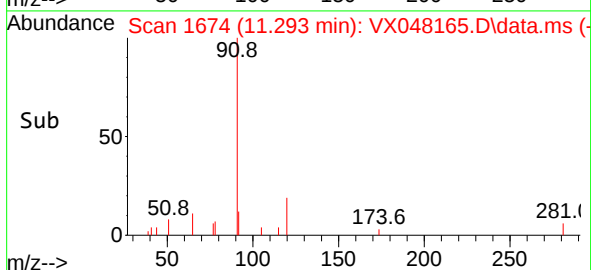
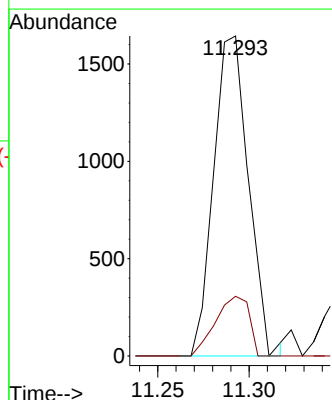
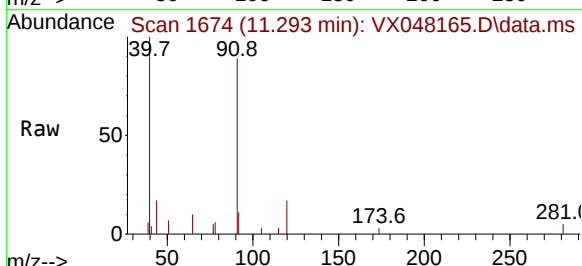
Acq: 14 Oct 2025 14:52

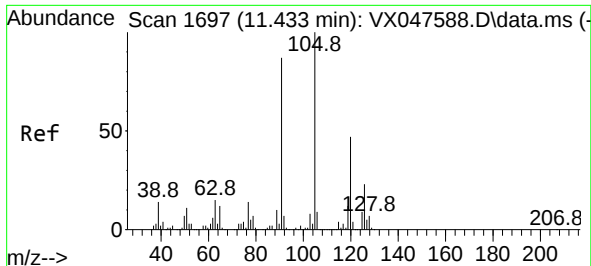
Tgt Ion: 91 Resp: 2180

Ion Ratio Lower Upper

91 100

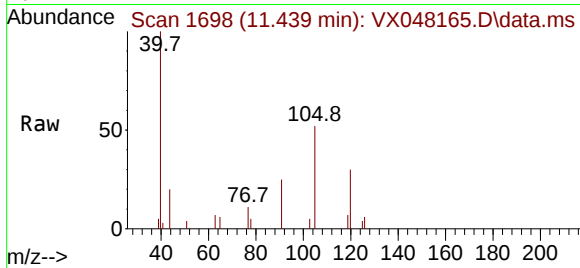
120 18.0 11.1 33.1



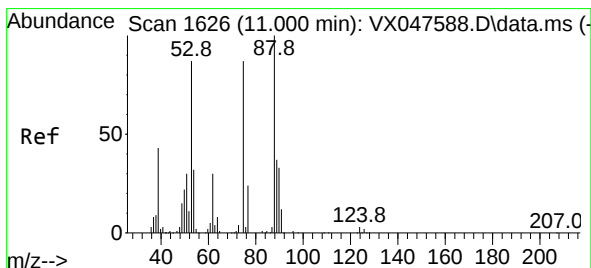
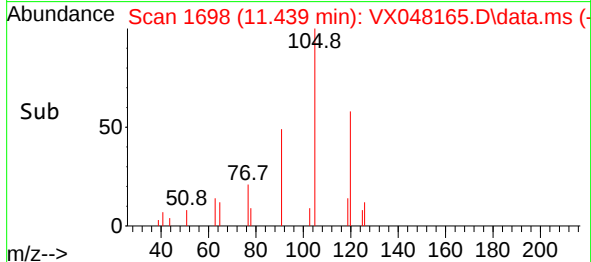
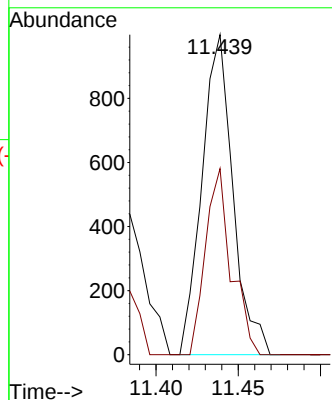


#80
1,3,5-Trimethylbenzene
Concen: 0.213 ug/l
RT: 11.439 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Instrument :
MSVOA_X
ClientSampleId :

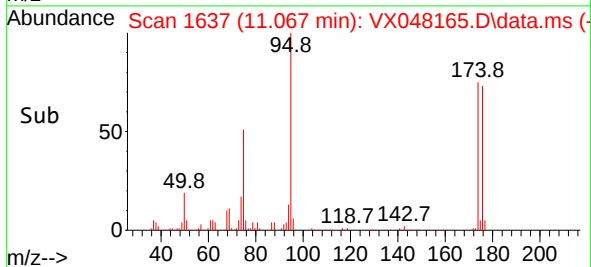
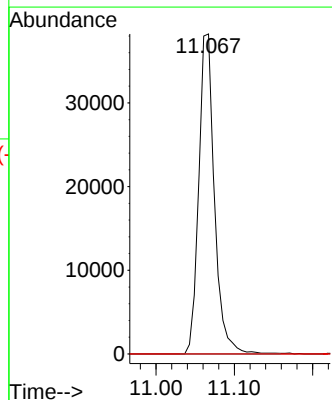
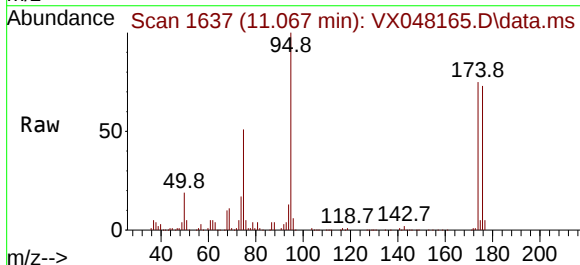


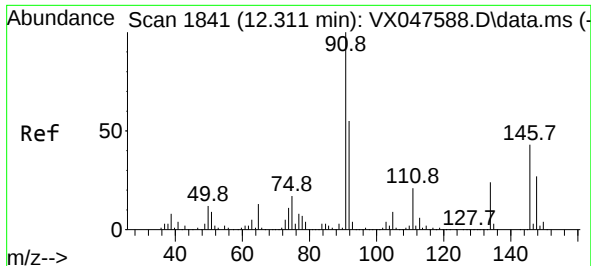
Tgt Ion:105 Resp: 1309
Ion Ratio Lower Upper
105 100
120 48.5 23.6 70.8



#81
trans-1,4-Dichloro-2-butene
Concen: 68.409 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.067 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Tgt Ion: 75 Resp: 53512
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#





#89

n-Butylbenzene

Concen: 0.381 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX048165.D

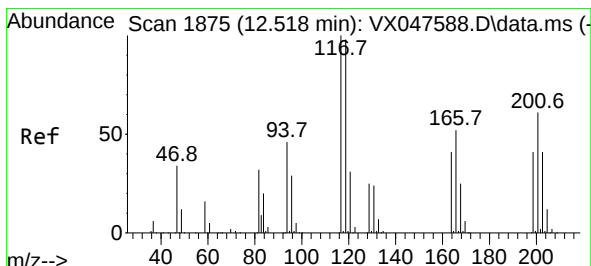
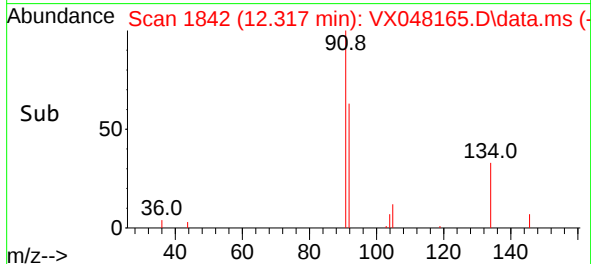
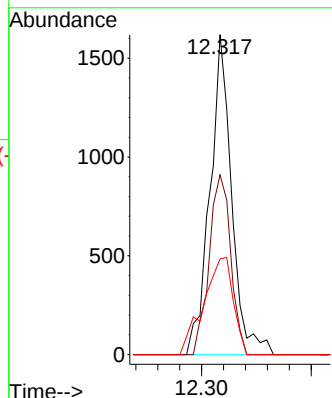
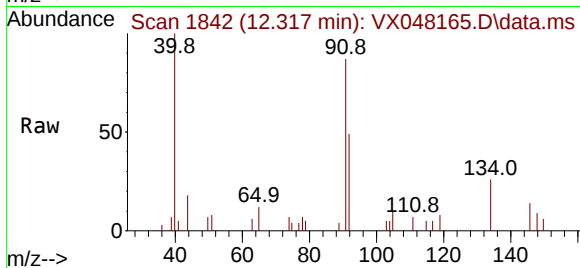
Acq: 14 Oct 2025 14:52

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 91	Resp: 2231
Ion Ratio	Lower Upper
91	100
92	55.7 27.6 82.7
134	41.3 12.6 37.8#



#90

Hexachloroethane

Concen: 0.200 ug/l

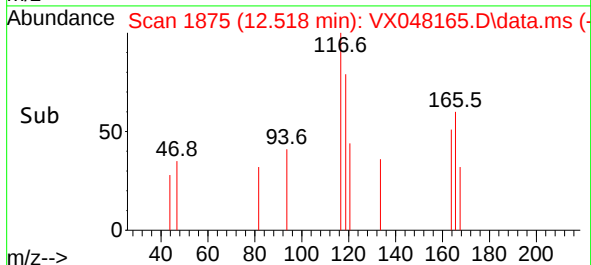
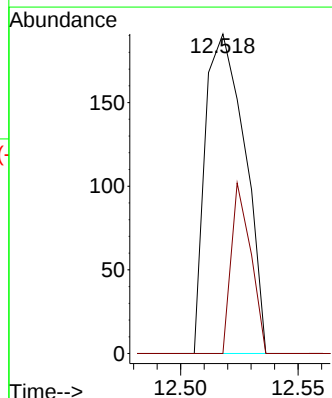
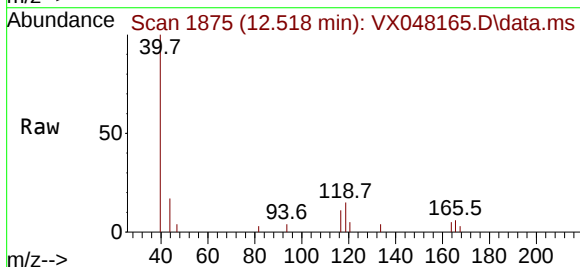
RT: 12.518 min Scan# 1875

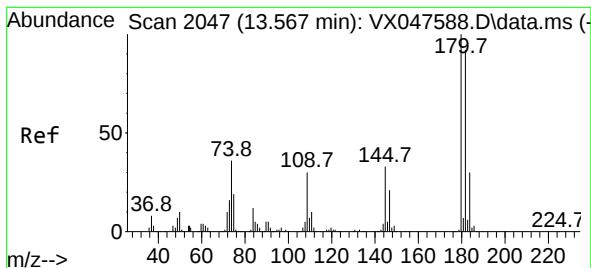
Delta R.T. -0.000 min

Lab File: VX048165.D

Acq: 14 Oct 2025 14:52

Tgt Ion: 117	Resp: 223
Ion Ratio	Lower Upper
117	100
201	26.5 34.2 102.5#





#93

1,2,4-Trichlorobenzene

Concen: 0.443 ug/l

RT: 13.573 min Scan# 2047

Delta R.T. 0.006 min

Lab File: VX048165.D

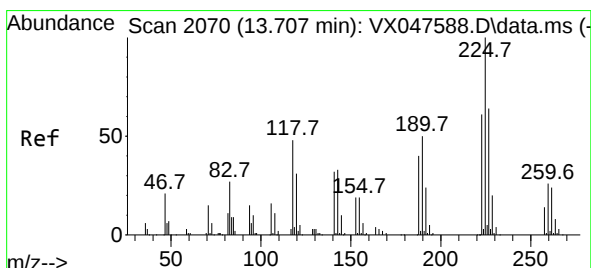
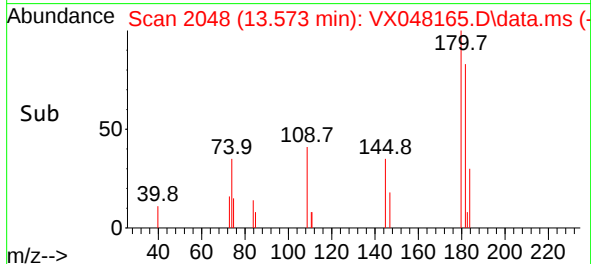
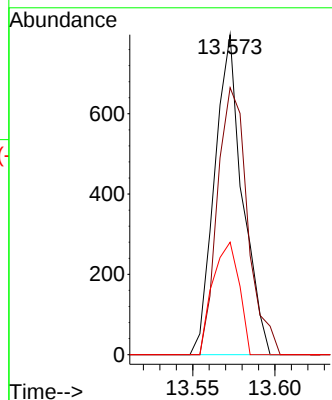
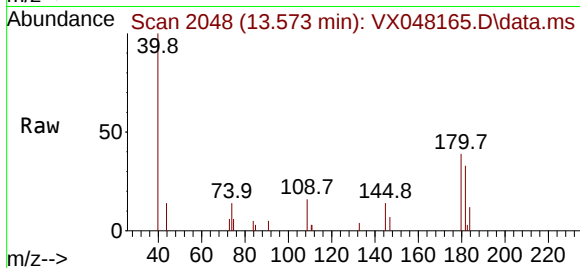
Acq: 14 Oct 2025 14:52

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	940
Ion Ratio	Lower	Upper
180	100	
182	90.2	46.6 139.8
145	33.2	16.4 49.1



#94

Hexachlorobutadiene

Concen: 1.371 ug/l

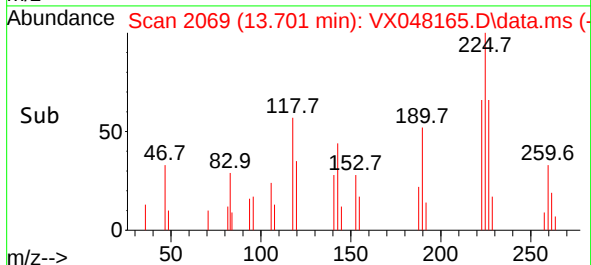
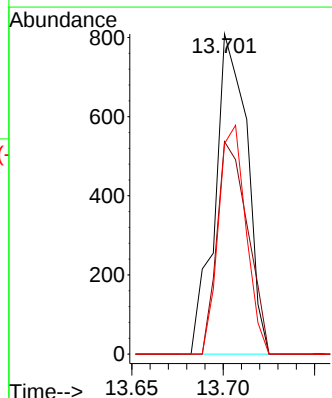
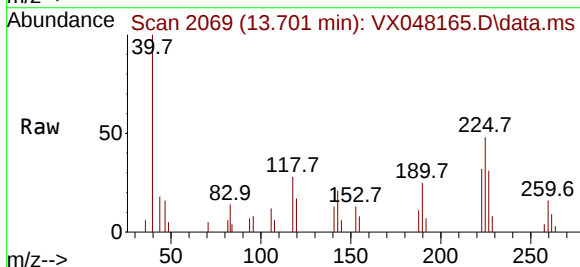
RT: 13.701 min Scan# 2069

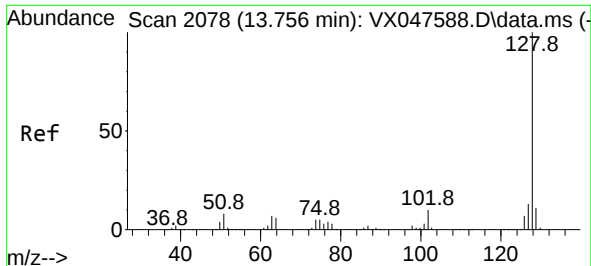
Delta R.T. -0.006 min

Lab File: VX048165.D

Acq: 14 Oct 2025 14:52

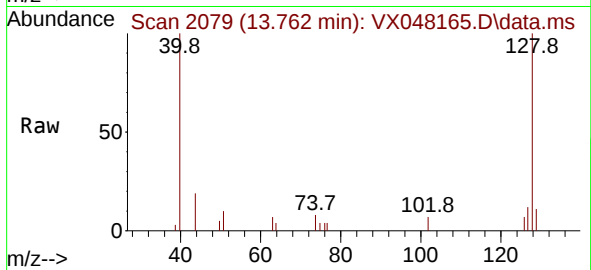
Tgt Ion:225	Resp:	988
Ion Ratio	Lower	Upper
225	100	
223	63.8	31.7 95.1
227	61.2	32.0 96.0



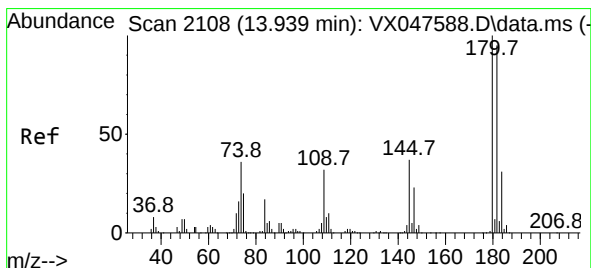
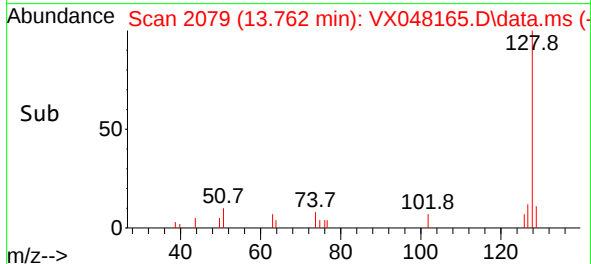
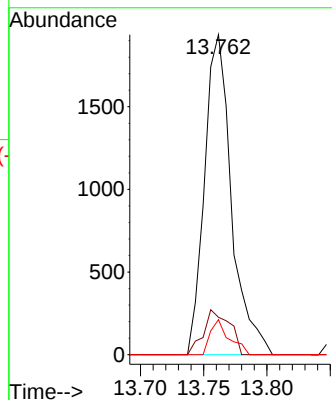


#95
Naphthalene
Concen: 0.444 ug/l
RT: 13.762 min Scan# 2078
Delta R.T. 0.006 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 2870
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.2
129 7.7 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.545 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048165.D
Acq: 14 Oct 2025 14:52

Tgt Ion:180 Resp: 1075
Ion Ratio Lower Upper
180 100
182 86.3 47.6 142.8
145 29.1 17.9 53.7

