

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079482.D
 Acq On : 31 Jul 2024 04:41
 Operator : RP/MD
 Sample : P3374-05
 Misc : 7.71G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-861-K2-SO-12.75-13.25-072024

Quant Time: Jul 31 08:20:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

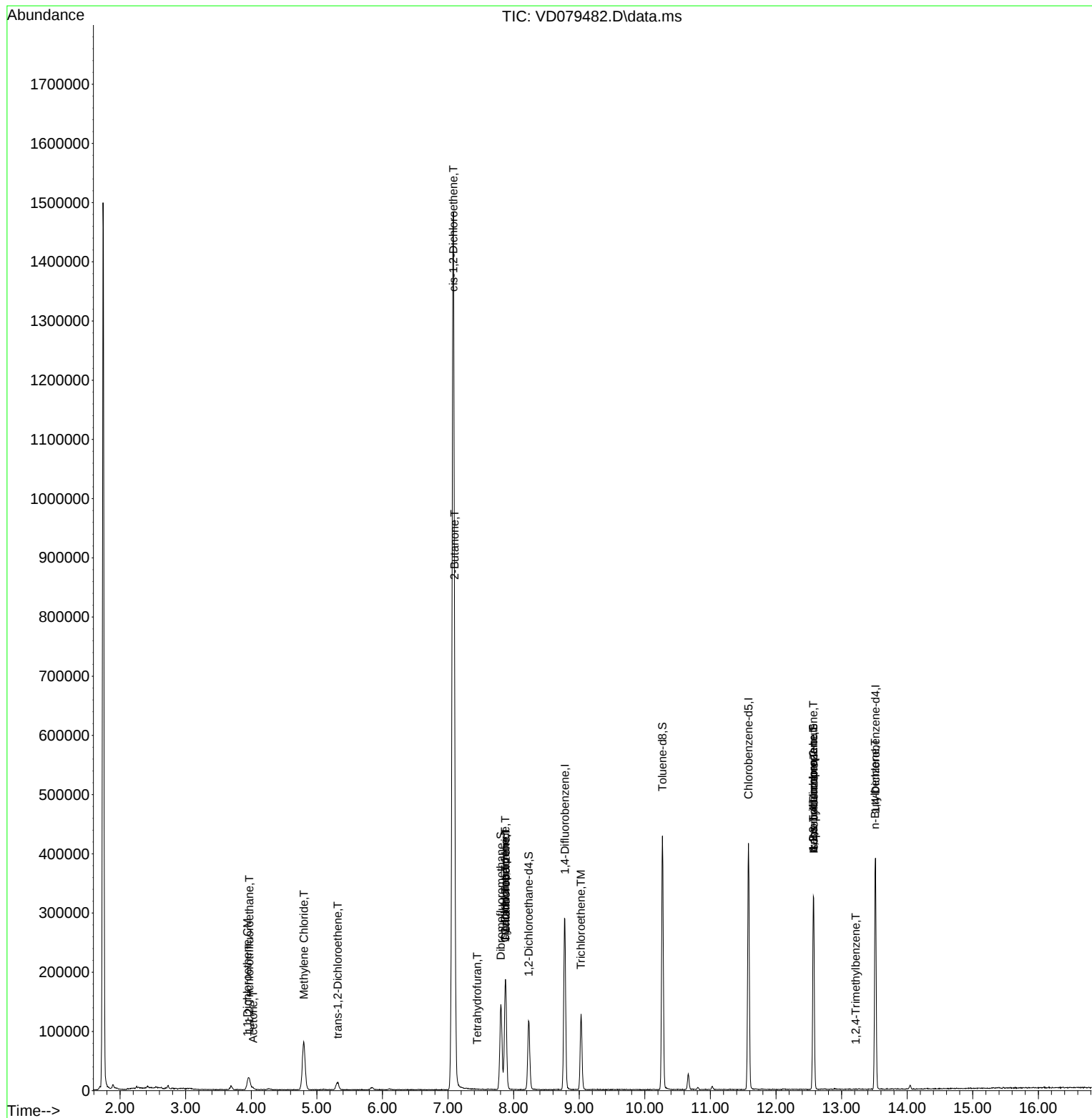
Internal Standards						
1) Pentafluorobenzene	7.881	168	153969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	271102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	255800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	113607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	86169	55.089	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.180%
35) Dibromofluoromethane	7.805	113	105780	57.648	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.300%
50) Toluene-d8	10.269	98	305768	42.910	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.820%
62) 4-Bromofluorobenzene	12.569	95	93597	45.390	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.780%
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	84	Below Cal	#	47
9) 1,1,2-Trichlorotrifluo...	3.969	101	13731	8.260	ug/l	97
11) Tert butyl alcohol	5.058	59	90	Below Cal	#	86
12) 1,1-Dichloroethene	3.940	96	3055	1.836	ug/l #	77
16) Acetone	4.028	43	5835	19.195	ug/l	91
20) Methylene Chloride	4.805	84	65051	20.778	ug/l	96
21) trans-1,2-Dichloroethene	5.316	96	9364	5.011	ug/l	97
25) 2-Butanone	7.099	43	1622	3.764	ug/l #	1
27) cis-1,2-Dichloroethene	7.081	96	979690	458.618	ug/l	99
29) Tetrahydrofuran	7.446	42	409	1.531	ug/l #	21
31) Cyclohexane	7.869	56	2787	1.073	ug/l #	43
36) 1,1-Dichloropropene	7.869	75	11706	4.674	ug/l #	45
38) Carbon Tetrachloride	7.875	117	14045	5.335	ug/l #	18
44) Trichloroethene	9.028	130	47651	24.064	ug/l	95
73) Isopropylbenzene	12.575	105	194	3.649	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	45182	45.499	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	45182	86.778	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.216	105	187	3.453	ug/l #	29
89) n-Butylbenzene	13.510	91	227	3.811	ug/l #	34

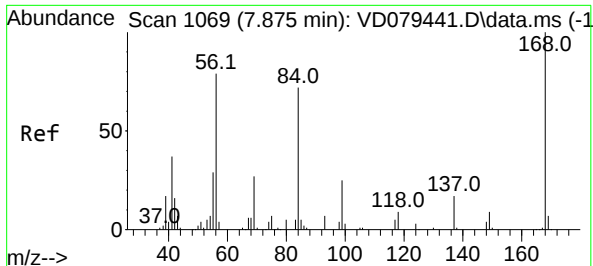
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

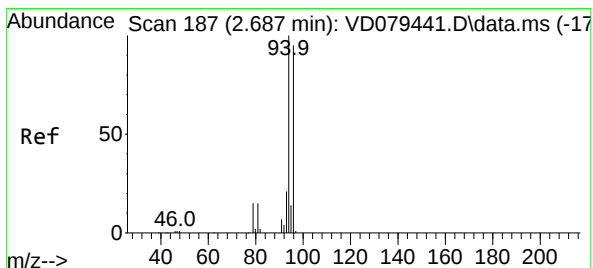
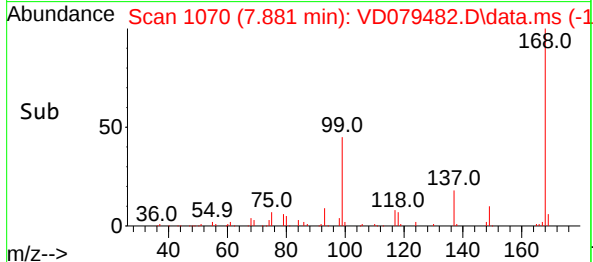
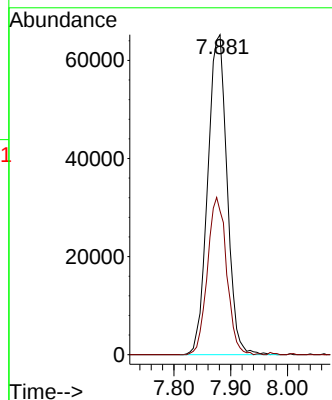
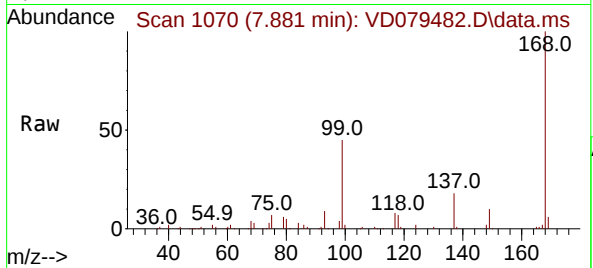




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

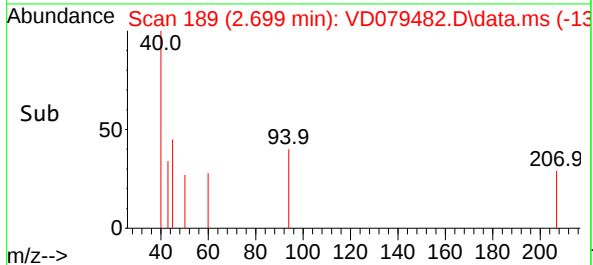
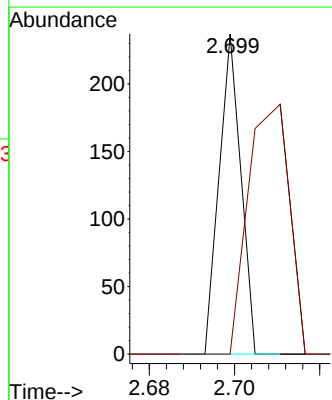
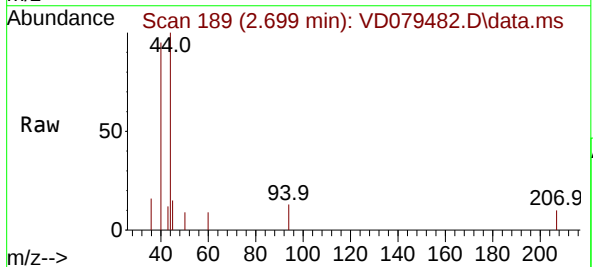
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-12.75-13.25-072024

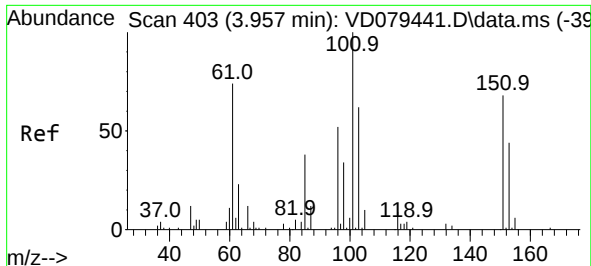
Tgt Ion:168 Resp: 153969
Ion Ratio Lower Upper
168 100
99 44.9 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

Tgt Ion: 94 Resp: 84
Ion Ratio Lower Upper
94 100
96 147.6 76.9 115.3#

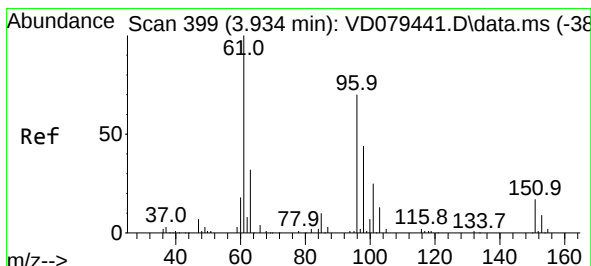
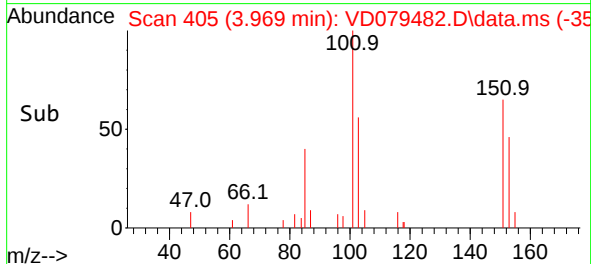
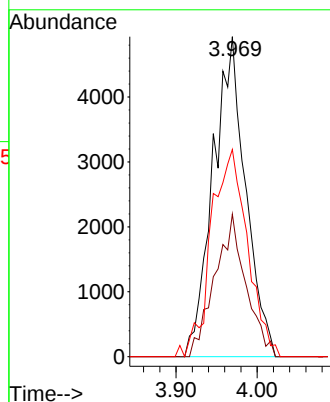
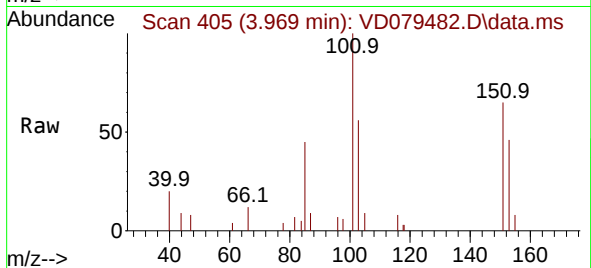




#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.260 ug/l
RT: 3.969 min Scan# 403
Delta R.T. 0.006 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

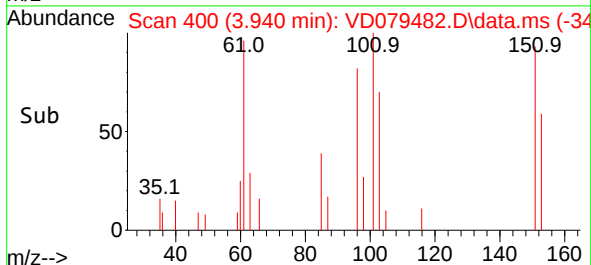
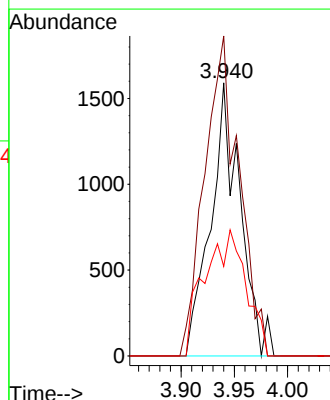
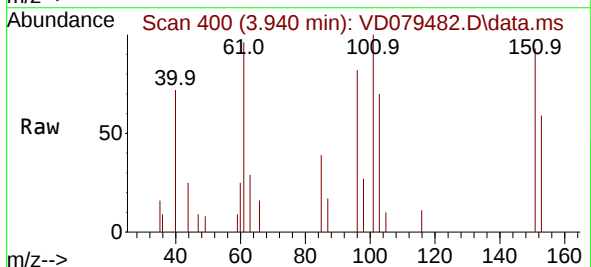
Instrument :
MSVOA_D
ClientSampleId :
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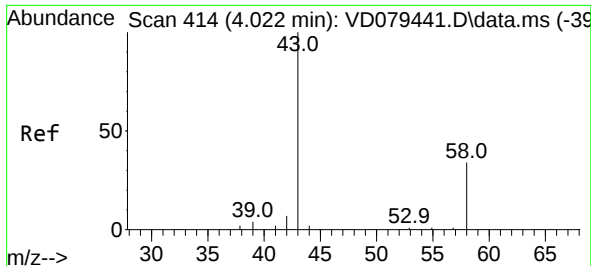
Tgt Ion:101 Resp: 13731
Ion Ratio Lower Upper
101 100
85 42.4 33.5 50.3
151 72.2 60.3 90.5



#12
1,1-Dichloroethene
Concen: 1.836 ug/l
RT: 3.940 min Scan# 400
Delta R.T. 0.012 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

Tgt Ion: 96 Resp: 3055
Ion Ratio Lower Upper
96 100
61 117.2 107.3 160.9
98 32.8 51.7 77.5#

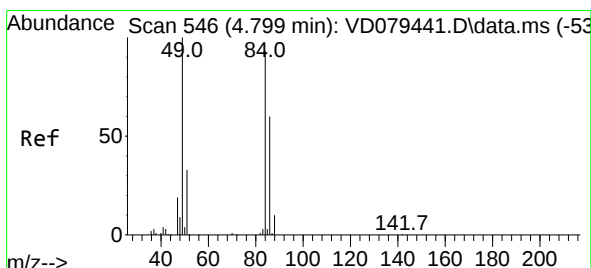
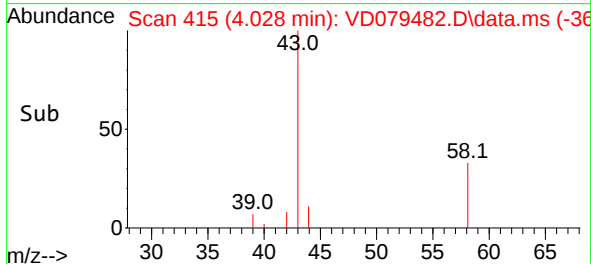
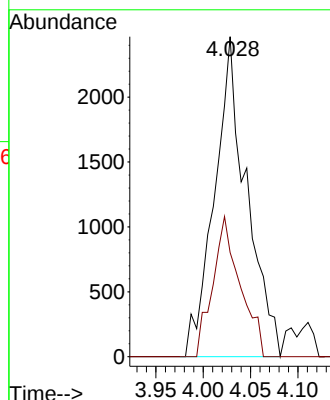
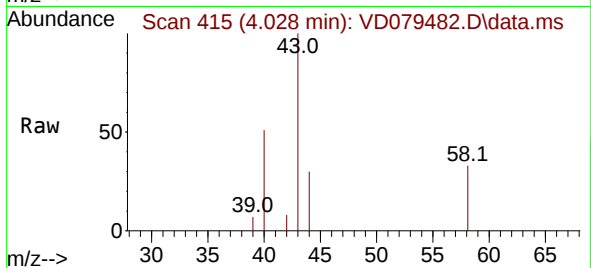




#16
Acetone
Concen: 19.195 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

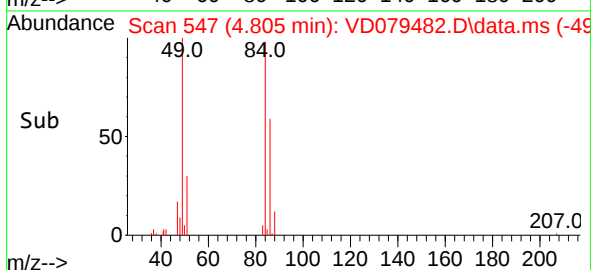
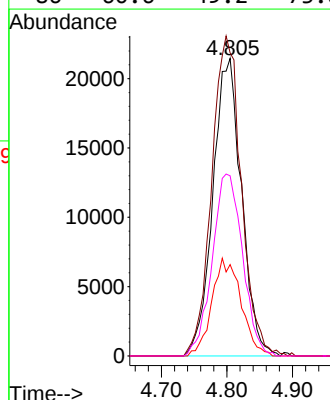
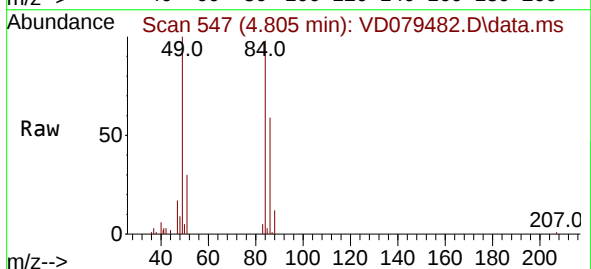
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-12.75-13.25-072024

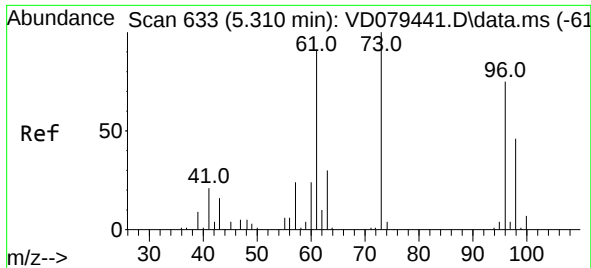
Tgt Ion: 43 Resp: 5835
Ion Ratio Lower Upper
43 100
58 32.6 30.4 45.6



#20
Methylene Chloride
Concen: 20.778 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

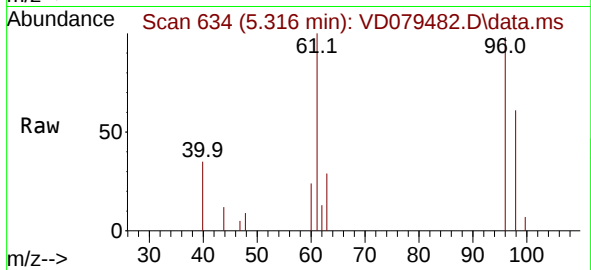
Tgt Ion: 84 Resp: 65051
Ion Ratio Lower Upper
84 100
49 101.8 75.6 113.4
51 30.7 24.2 36.2
86 60.6 49.2 73.8



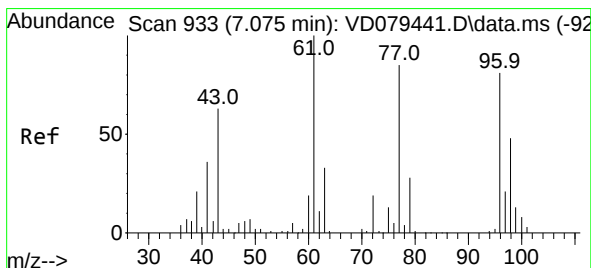
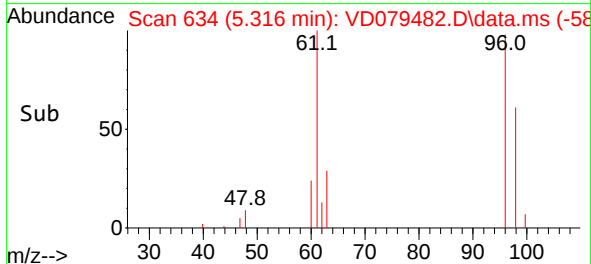
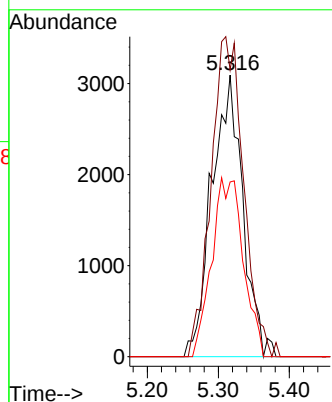


#21
trans-1,2-Dichloroethene
Concen: 5.011 ug/l
RT: 5.316 min Scan# 611
Delta R.T. 0.006 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-12.75-13.25-072024

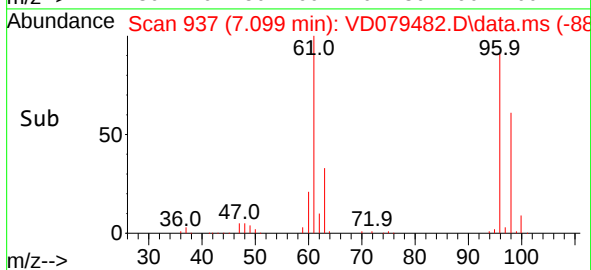
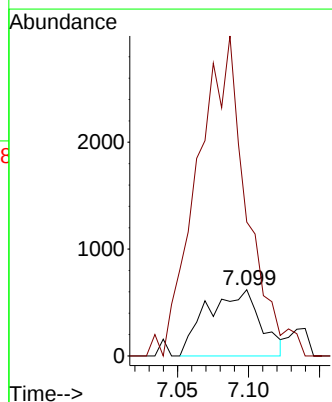
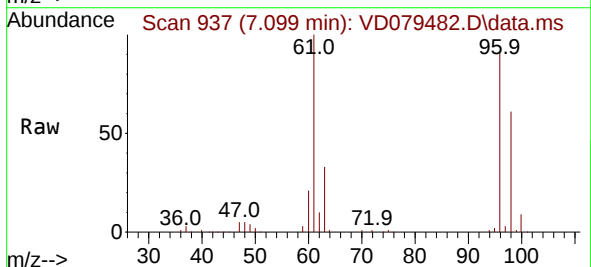


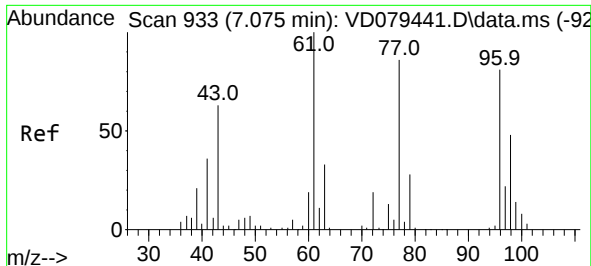
Tgt Ion: 96 Resp: 9364
Ion Ratio Lower Upper
96 100
61 101.8 84.5 126.7
98 62.1 50.5 75.7



#25
2-Butanone
Concen: 3.764 ug/l
RT: 7.099 min Scan# 937
Delta R.T. 0.006 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

Tgt Ion: 43 Resp: 1622
Ion Ratio Lower Upper
43 100
72 171.5 26.4 39.6#





#27

cis-1,2-Dichloroethene

Concen: 458.618 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD079482.D

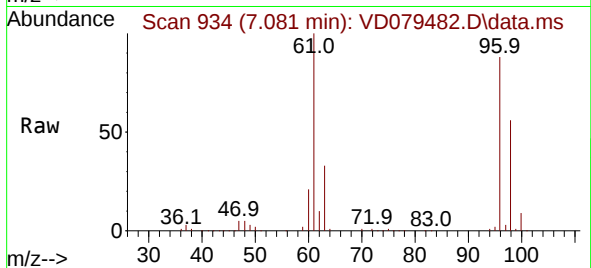
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Instrument :

MSVOA_D

ClientSampleId :

S-861-K2-SO-12.75-13.25-072024



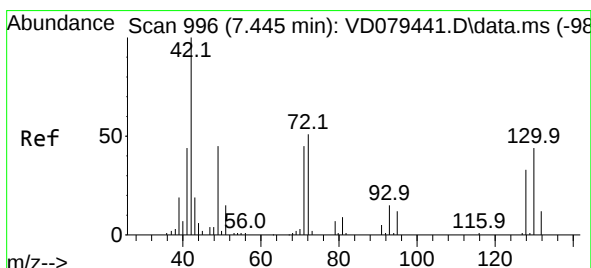
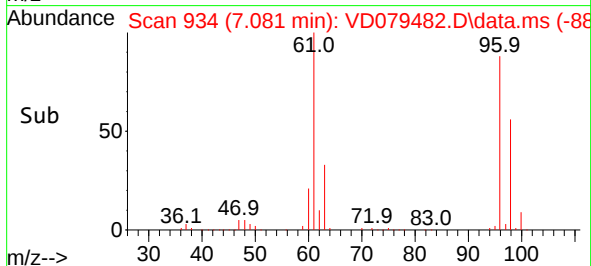
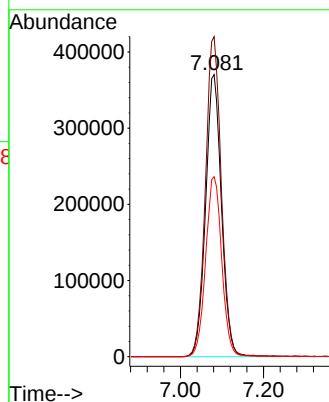
Tgt Ion: 96 Resp: 979690

Ion Ratio Lower Upper

96 100

61 113.8 0.0 229.0

98 64.8 0.0 127.2



#29

Tetrahydrofuran

Concen: 1.531 ug/l

RT: 7.446 min Scan# 996

Delta R.T. 0.000 min

Lab File: VD079482.D

Acq: 31 Jul 2024 04:41

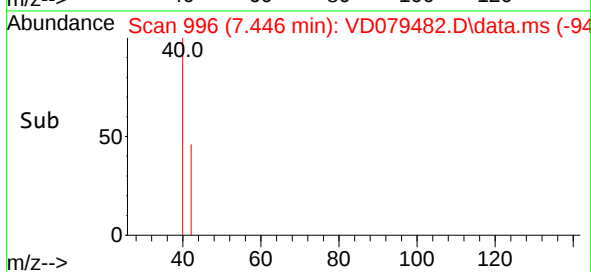
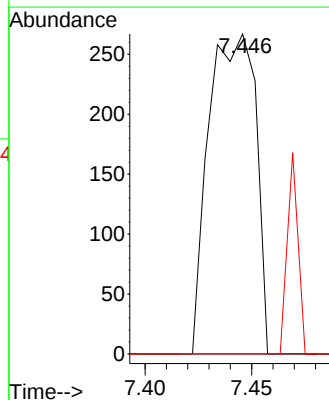
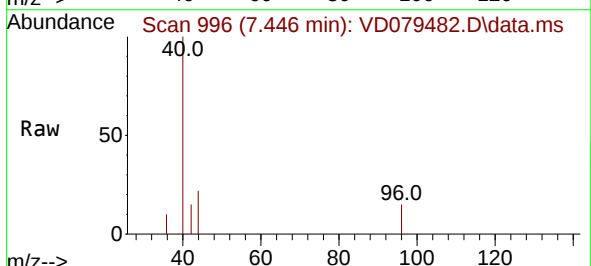
Tgt Ion: 42 Resp: 409

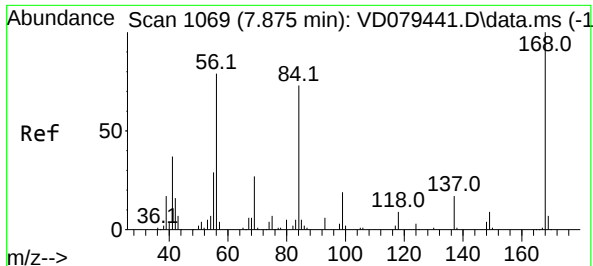
Ion Ratio Lower Upper

42 100

72 0.0 49.4 74.0#

71 0.0 45.0 67.6#

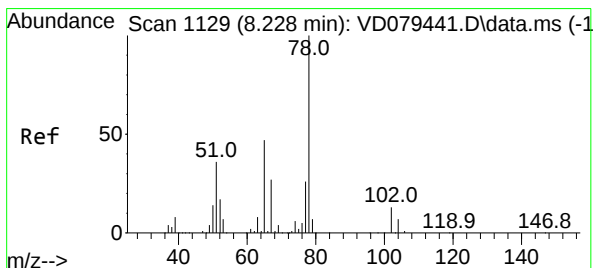
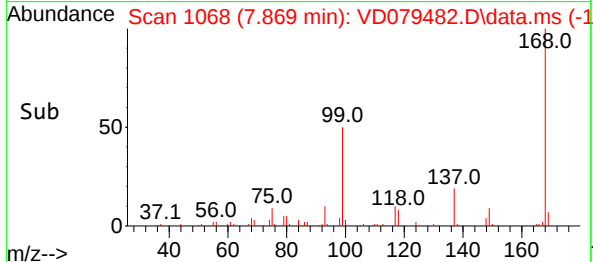
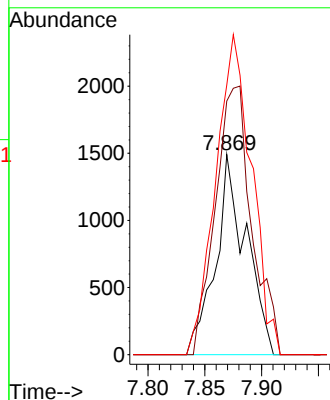
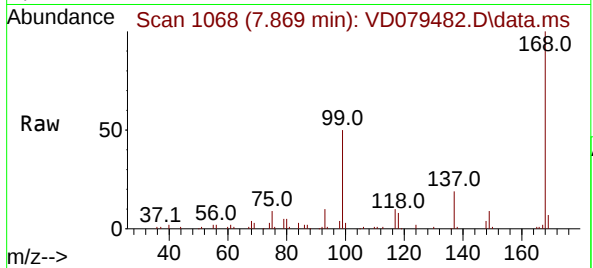




#31
Cyclohexane
Concen: 1.073 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

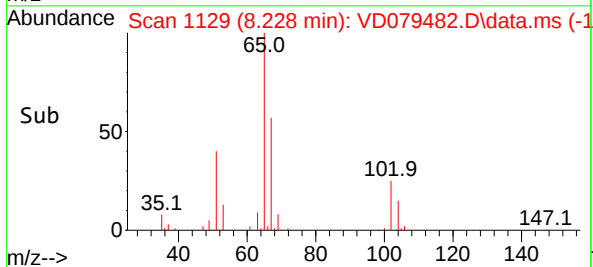
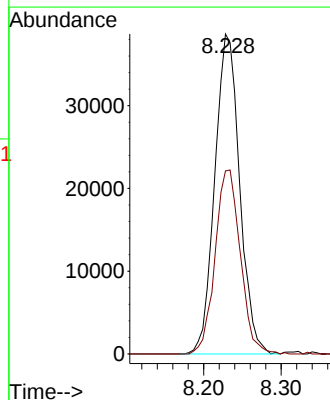
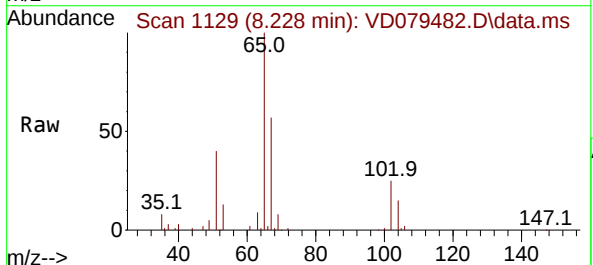
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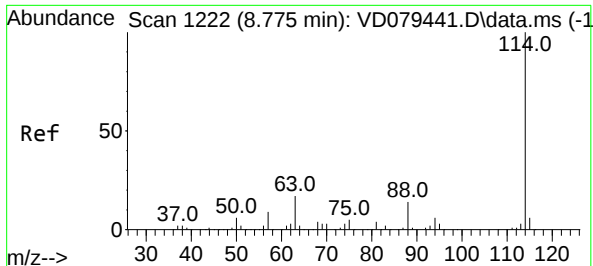
Tgt Ion: 56 Resp: 2787
Ion Ratio Lower Upper
56 100
69 126.7 28.0 42.0#
84 134.7 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 55.089 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

Tgt Ion: 65 Resp: 86169
Ion Ratio Lower Upper
65 100
67 58.4 0.0 111.0

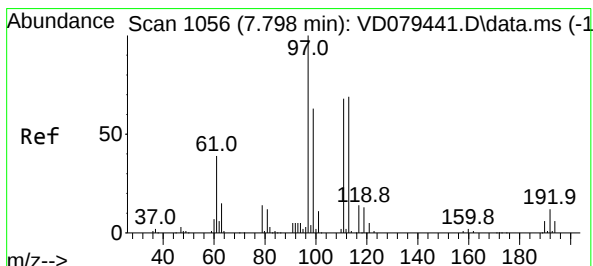
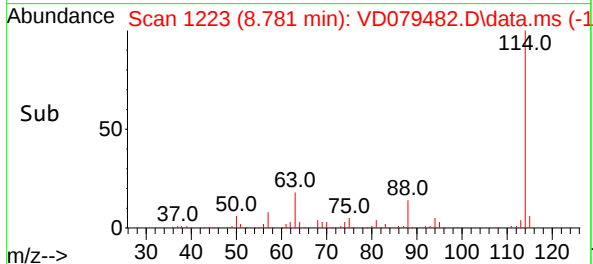
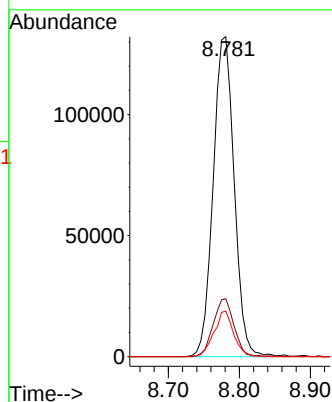
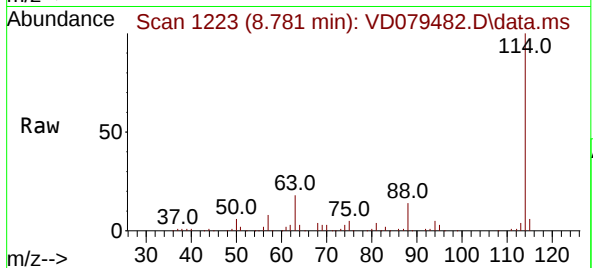




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

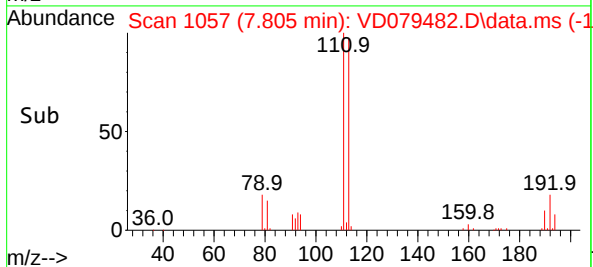
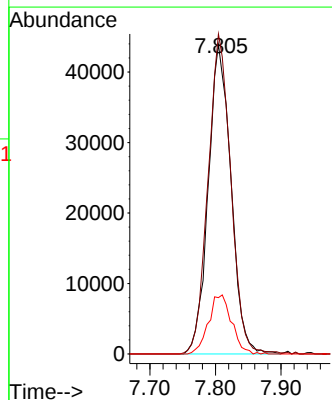
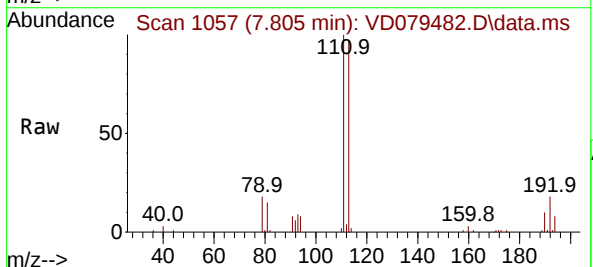
Instrument :
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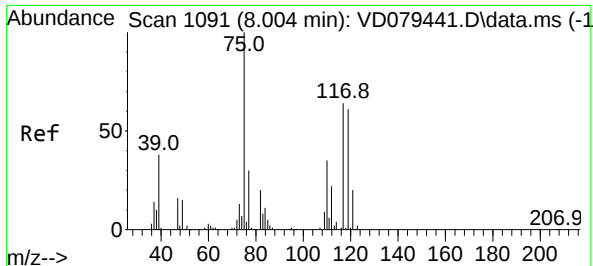
Tgt Ion:114 Resp: 271102
Ion Ratio Lower Upper
114 100
63 18.1 0.0 34.0
88 14.2 0.0 27.2



#35
Dibromofluoromethane
Concen: 57.648 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

Tgt Ion:113 Resp: 105780
Ion Ratio Lower Upper
113 100
111 103.4 84.0 126.0
192 19.4 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.674 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079482.D

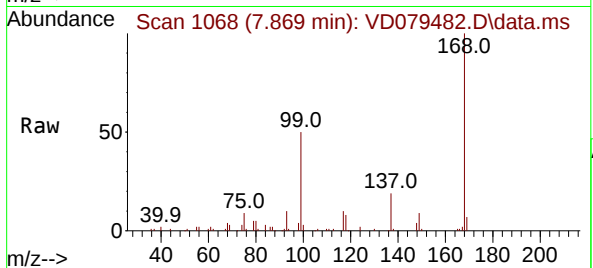
Acq: 31 Jul 2024 04:41

Instrument :

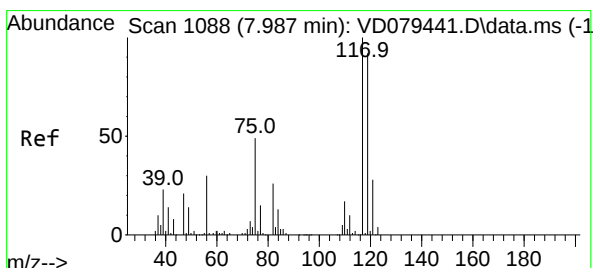
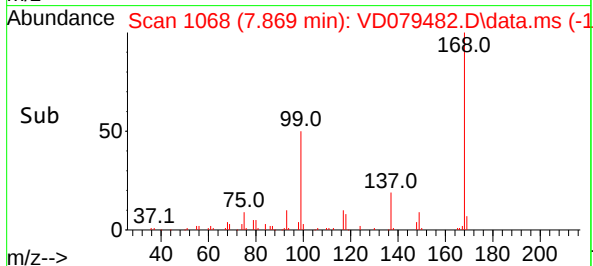
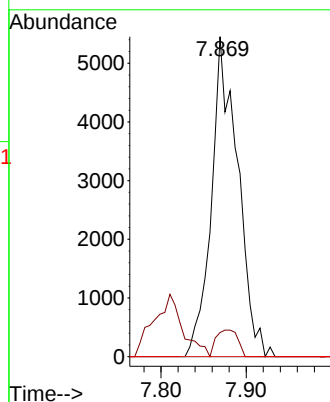
MSVOA_D

ClientSampleId :

S-861-K2-SO-12.75-13.25-072024



Tgt Ion:	75	Resp:	11706
Ion Ratio	100	Lower	Upper
110	6.8	19.6	58.7#
77	0.0	26.1	39.1#



#38

Carbon Tetrachloride

Concen: 5.335 ug/l

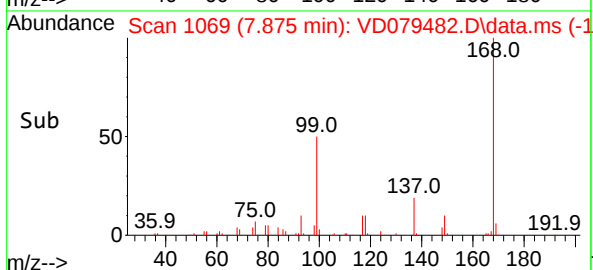
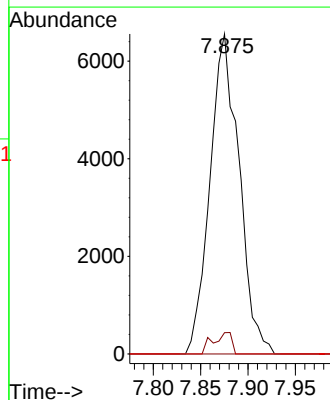
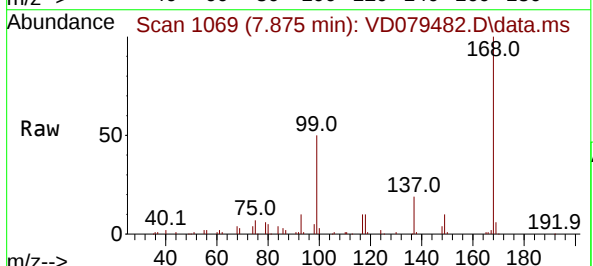
RT: 7.875 min Scan# 1069

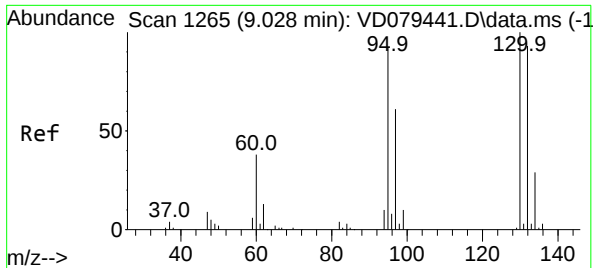
Delta R.T. -0.112 min

Lab File: VD079482.D

Acq: 31 Jul 2024 04:41

Tgt Ion:	117	Resp:	14045
Ion Ratio	100	Lower	Upper
119	6.6	75.4	113.0#
121	0.0	25.0	37.4#

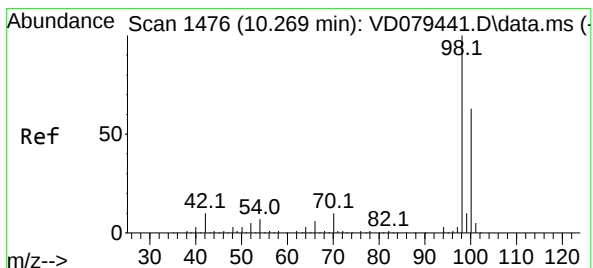
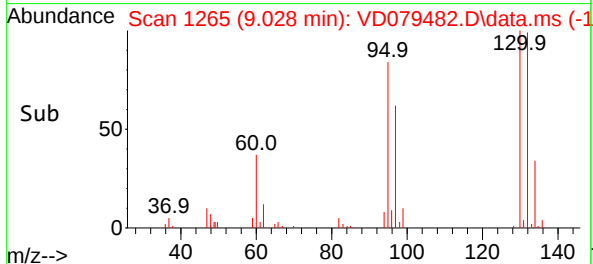
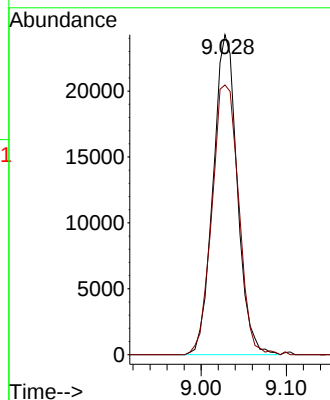
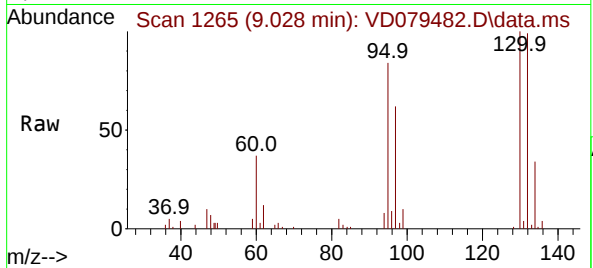




#44
Trichloroethene
Concen: 24.064 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

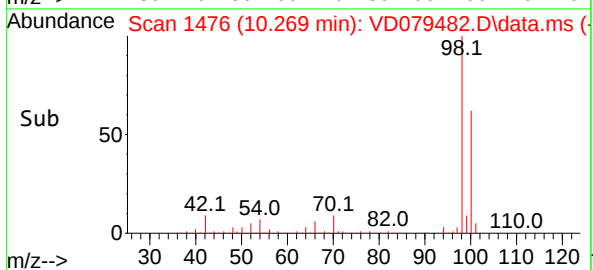
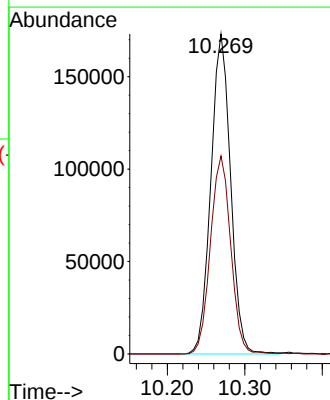
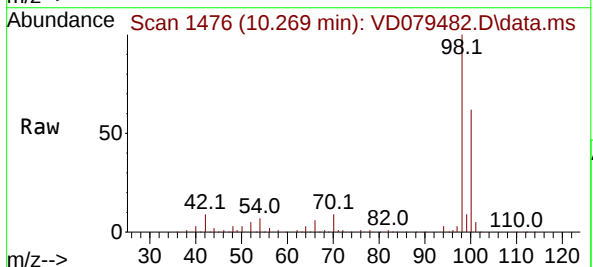
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-12.75-13.25-072024

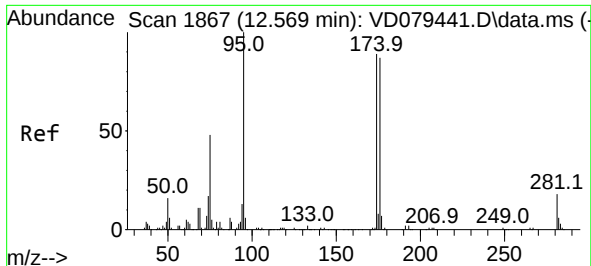
Tgt Ion:130 Resp: 47651
Ion Ratio Lower Upper
130 100
95 84.3 0.0 177.8



#50
Toluene-d8
Concen: 42.910 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

Tgt Ion: 98 Resp: 305768
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4

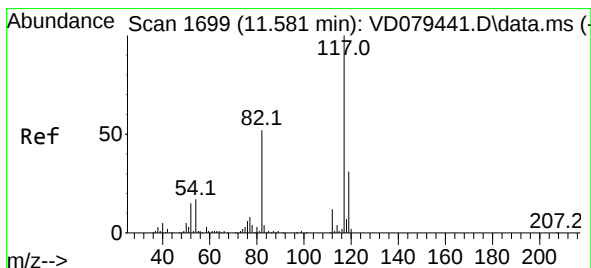
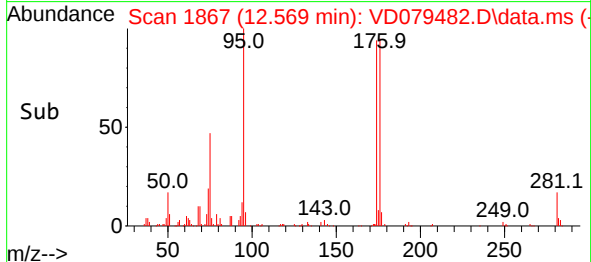
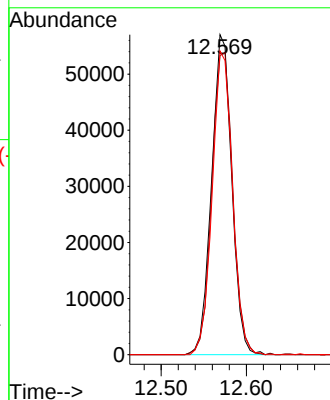
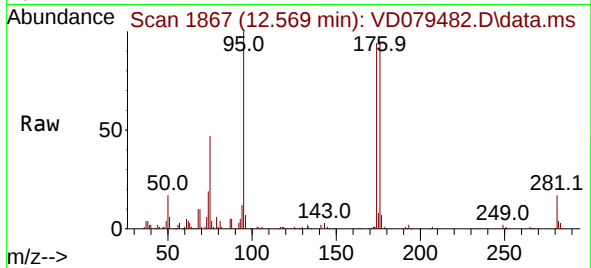




#62
4-Bromofluorobenzene
Concen: 45.390 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

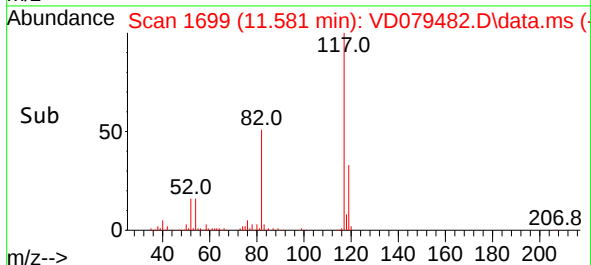
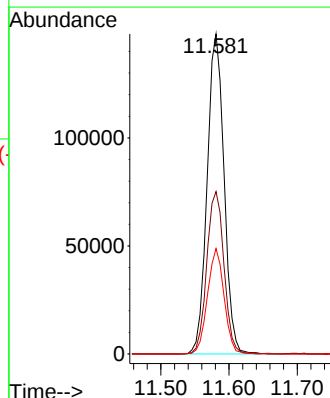
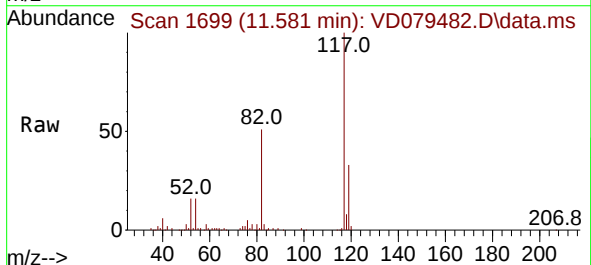
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-12.75-13.25-072024

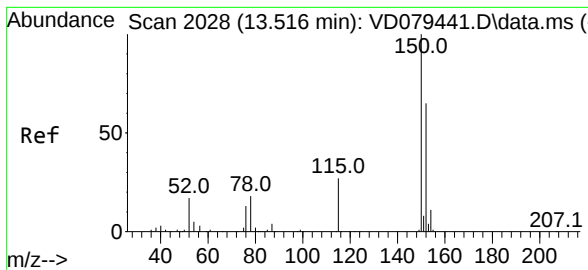
Tgt Ion:	95	Resp:	93597
Ion	Ratio	Lower	Upper
95	100		
174	98.2	0.0	195.4
176	95.1	0.0	192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

Tgt Ion:	117	Resp:	255800
Ion	Ratio	Lower	Upper
117	100		
82	50.8	39.8	59.6
119	33.0	25.7	38.5

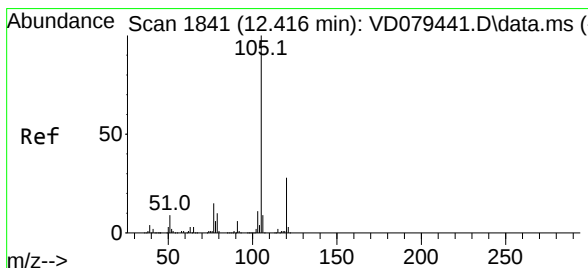
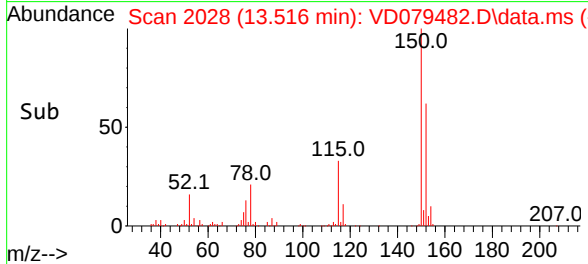
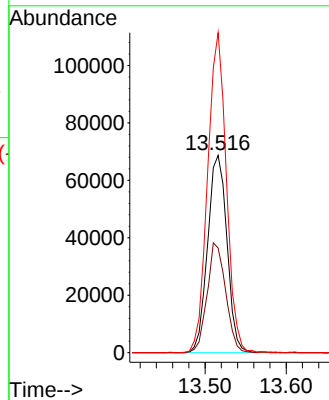
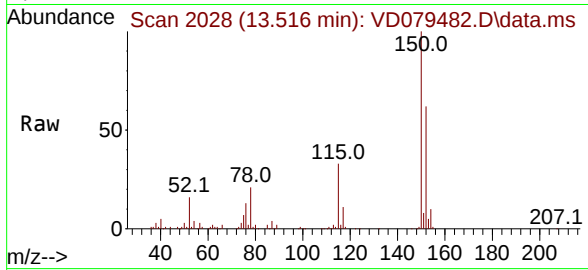




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

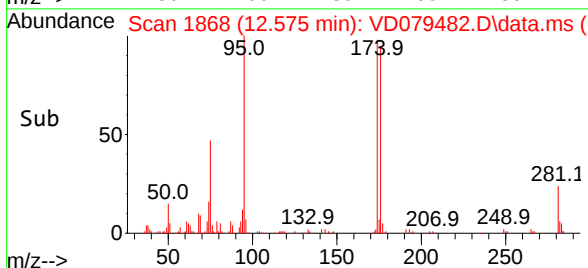
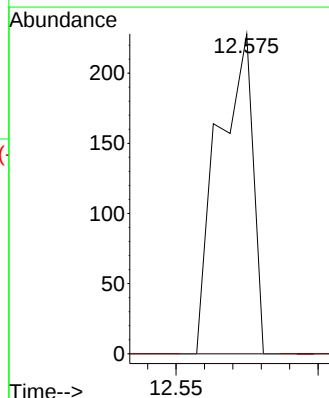
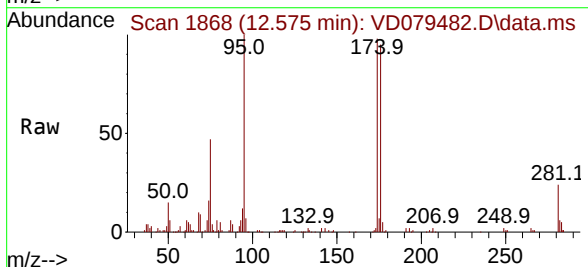
Instrument : MSVOA_D
ClientSampleId : S-861-K2-SO-12.75-13.25-072024

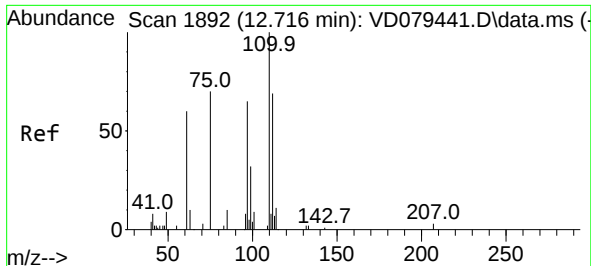
Tgt Ion:152 Resp: 113607
Ion Ratio Lower Upper
152 100
115 53.5 26.5 79.5
150 157.0 0.0 341.6



#73
Isopropylbenzene
Concen: 3.649 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.159 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

Tgt Ion:105 Resp: 194
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#

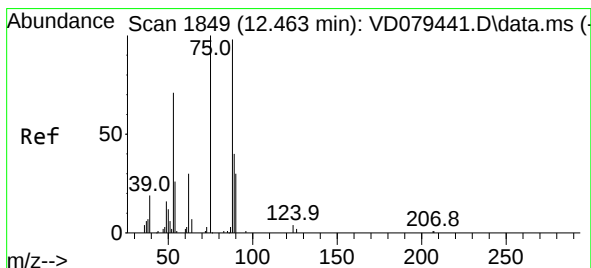
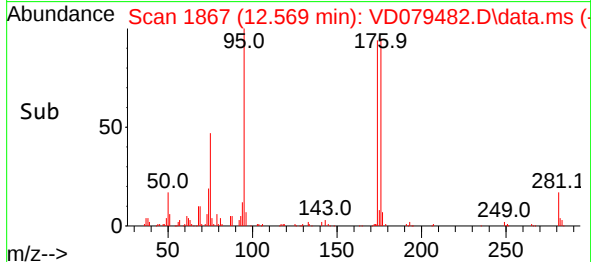
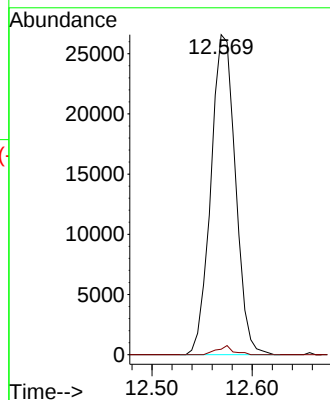
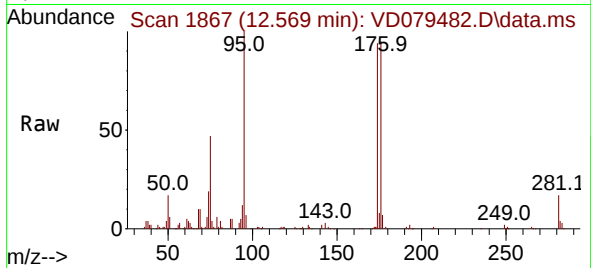




#76
1,2,3-Trichloropropane
Concen: 45.499 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

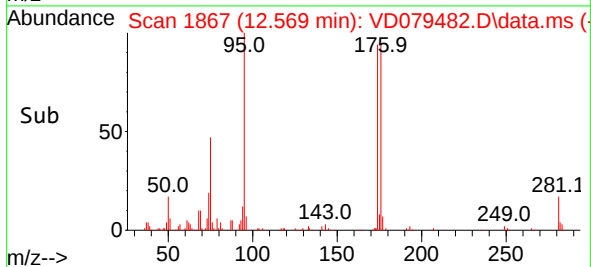
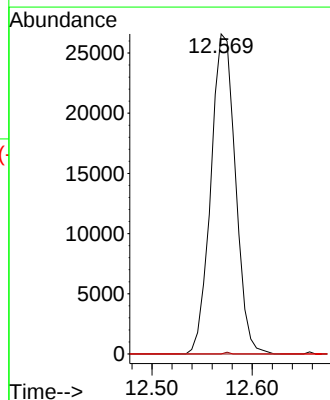
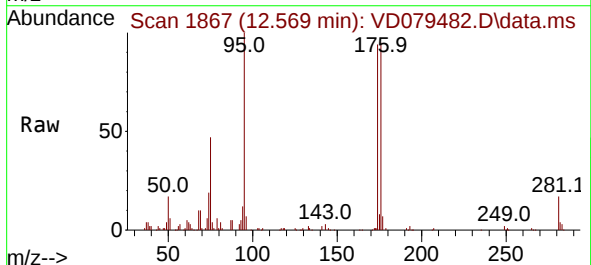
Instrument :
MSVOA_D
ClientSampleId :
S-861-K2-SO-12.75-13.25-072024

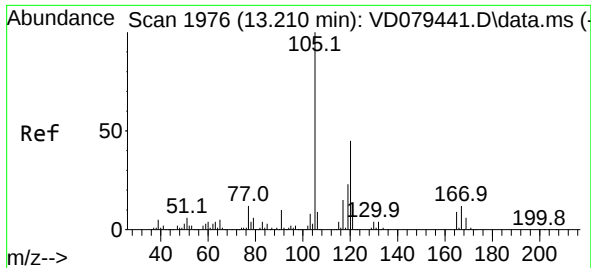
Tgt Ion: 75 Resp: 45182
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.778 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

Tgt Ion: 75 Resp: 45182
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.0 35.4 53.0#

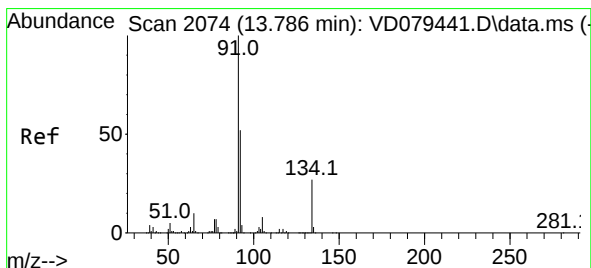
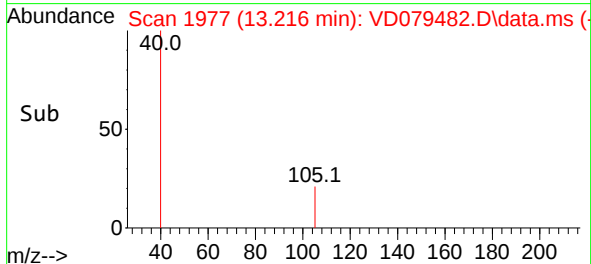
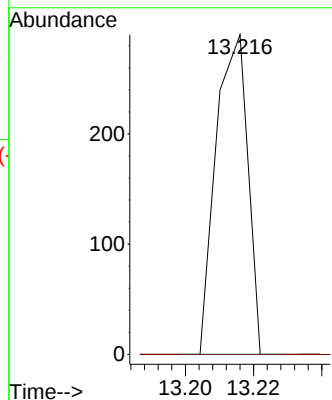
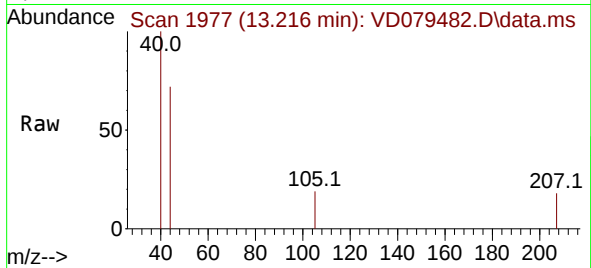




#84
1,2,4-Trimethylbenzene
Concen: 3.453 ug/l
RT: 13.216 min Scan# 1976
Delta R.T. 0.012 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

Instrument : MSVOA_D
ClientSampleId : S-861-K2-SO-12.75-13.25-072024

Tgt Ion:105 Resp: 187
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#



#89
n-Butylbenzene
Concen: 3.811 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. -0.271 min
Lab File: VD079482.D
Acq: 31 Jul 2024 04:41

Tgt Ion: 91 Resp: 227
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 13.6 40.8#

