

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012825\
 Data File : VU063065.D
 Acq On : 28 Jan 2025 14:18
 Operator : MD/SY
 Sample : Q1195-14DL 5X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 08:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 08:16:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.303	114	127622	5.000	ug/L	0.06
28) Chlorobenzene-d5	9.422	117	123027	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.804	152	69543	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.653	65	13294	2.898	ug/L	0.06
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.000%
7) Chloroethane-d5	1.965	69	14323	4.112	ug/L	0.06
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.628	65	9269	3.378	ug/L	0.07
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.600%
20) 2-Butanone-d5	4.730	46	35928	26.983	ug/L	0.13
Spiked Amount	50.000	Range	40 - 130	Recovery	=	53.960%
24) Chloroform-d	5.110	84	63785	3.500	ug/L	0.06
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.000%
26) 1,2-Dichloroethane-d4	5.775	65	41660	4.005	ug/L	0.09
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.000%
32) Benzene-d6	5.798	84	109973	3.912	ug/L	0.08
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
36) 1,2-Dichloropropane-d6	6.737	67	34131	4.768	ug/L	0.06
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.917	98	118064	4.247	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	8.197	79	20000	4.513	ug/L	0.03
46) 2-Hexanone-d5	8.650	63	62070	56.135	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.280%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	33310	4.901	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	52083	4.184	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.600%

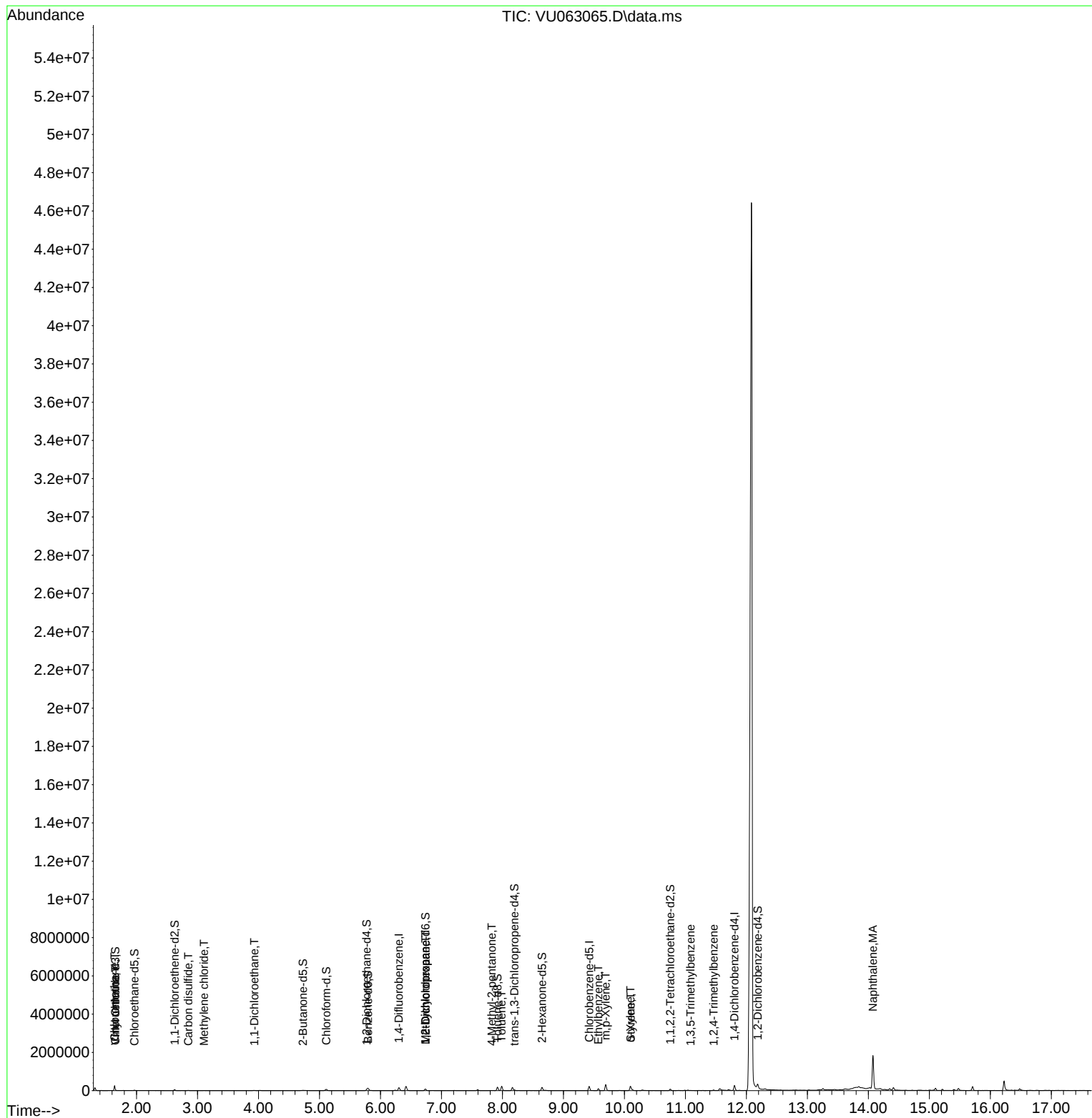
Target Compounds				Qvalue		
3) Chloromethane	1.641	50	10645	1.936	ug/L #	67
8) Chloroethane	1.653	64	888	0.286	ug/L	97
14) Carbon disulfide	2.849	76	18709	1.102	ug/L #	93
16) Methylene chloride	3.107	84	1244	0.178	ug/L	95
19) 1,1-Dichloroethane	3.930	63	10527	0.856	ug/L	97
35) Methylcyclohexane	6.737	83	10350	0.811	ug/L #	22
37) 1,2-Dichloropropane	6.737	63	4695	0.700	ug/L #	85
40) 4-Methyl-2-pentanone	7.824	43	6116	1.891	ug/L #	83
42) Toluene	7.988	91	163289	4.609	ug/L	100
52) Ethylbenzene	9.573	91	71456	1.731	ug/L	99
53) m,p-Xylene	9.695	106	84903	5.325	ug/L	94
54) o-Xylene	10.100	106	57001	3.902	ug/L	97
55) Styrene	10.103	104	6065	0.246	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.087	105	6262	0.162	ug/L	88
63) 1,2,4-Trimethylbenzene	11.463	105	18138	0.496	ug/L	96
71) Naphthalene	14.077	128	1370246	76.342	ug/L	99

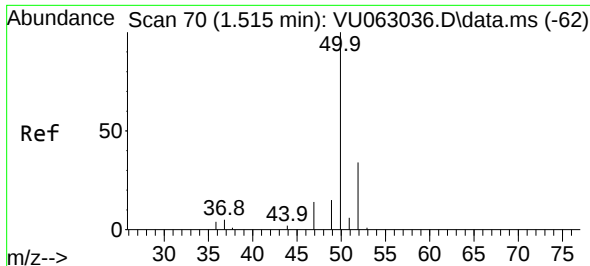
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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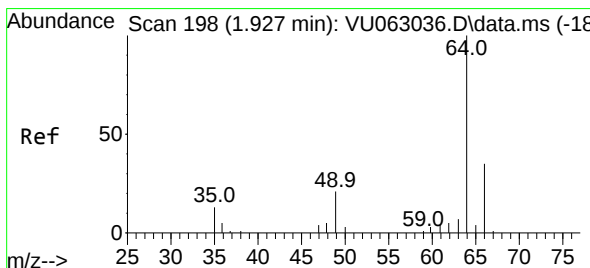
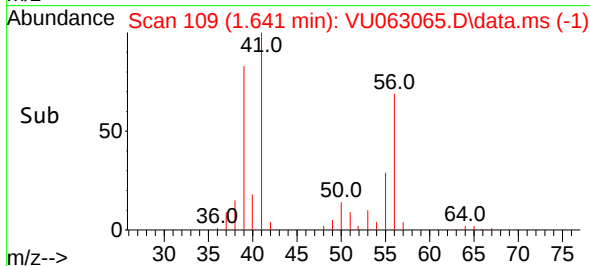
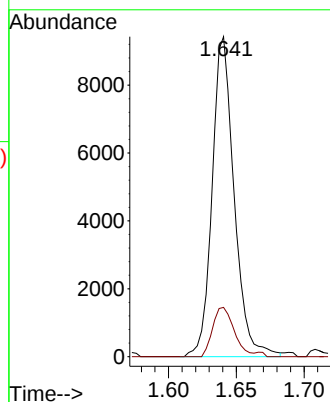
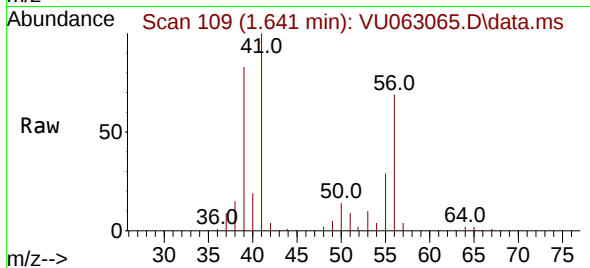




#3
Chloromethane
Concen: 1.936 ug/L
RT: 1.641 min Scan# 109
Delta R.T. 0.125 min
Lab File: VU063065.D
Acq: 28 Jan 2025 14:18

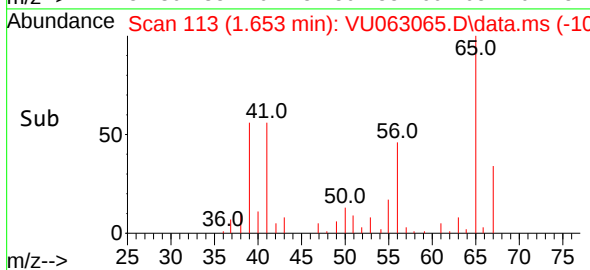
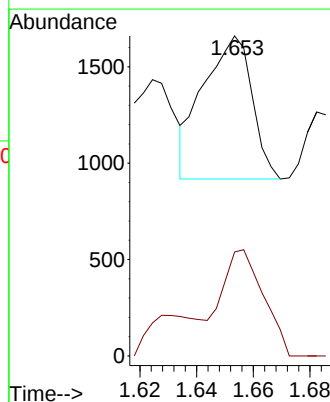
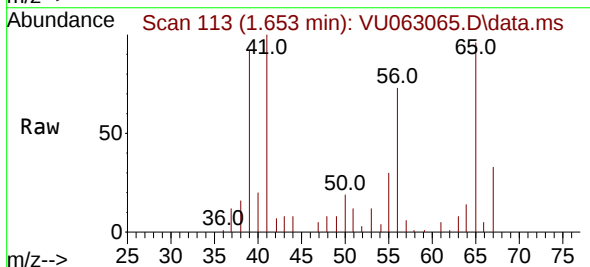
Instrument :
MSVOA_U
ClientSampleId :

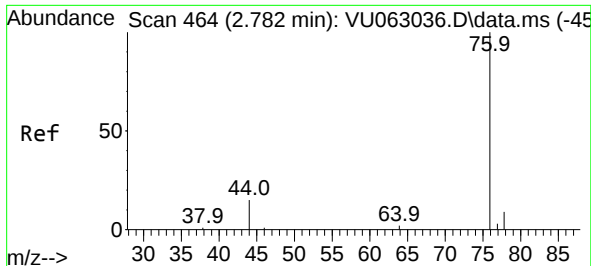
Tgt Ion: 50 Resp: 10645
Ion Ratio Lower Upper
50 100
52 15.4 24.1 44.7#



#8
Chloroethane
Concen: 0.286 ug/L
RT: 1.653 min Scan# 113
Delta R.T. -0.270 min
Lab File: VU063065.D
Acq: 28 Jan 2025 14:18

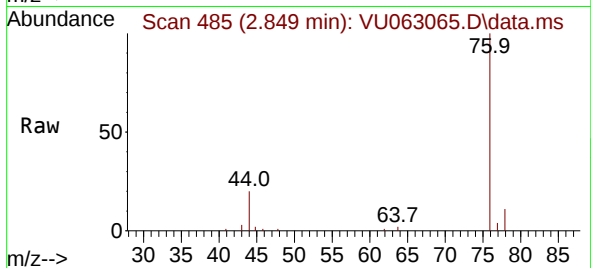
Tgt Ion: 64 Resp: 888
Ion Ratio Lower Upper
64 100
66 32.5 21.6 40.2



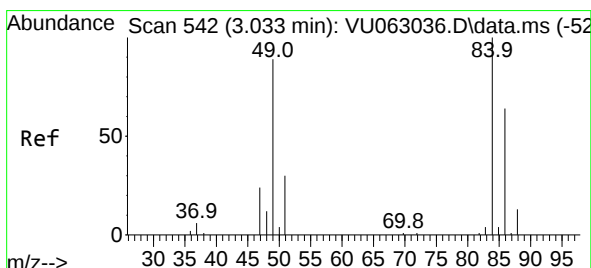
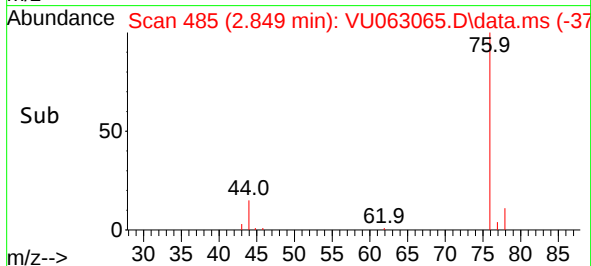
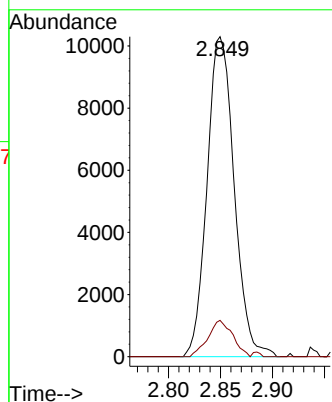


#14
Carbon disulfide
Concen: 1.102 ug/L
RT: 2.849 min Scan# 41
Delta R.T. 0.068 min
Lab File: VU063065.D
Acq: 28 Jan 2025 14:18

Instrument :
MSVOA_U
ClientSampleId :

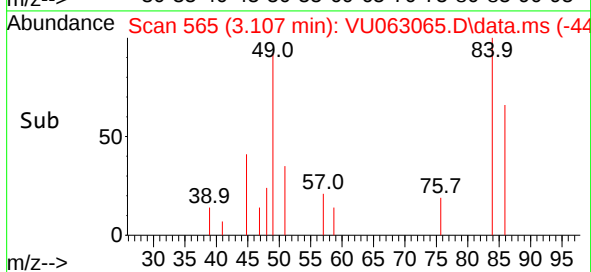
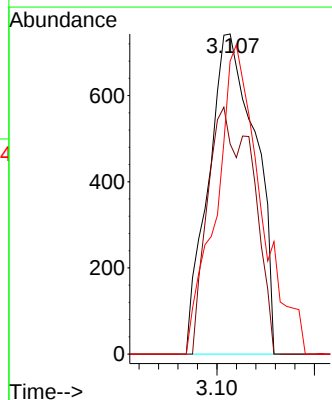
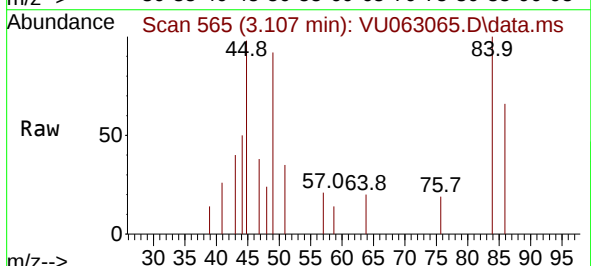


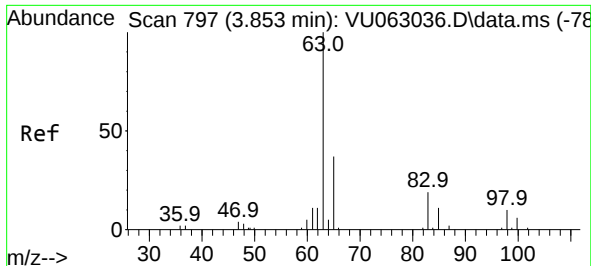
Tgt Ion: 76 Resp: 18709
Ion Ratio Lower Upper
76 100
78 11.3 7.0 10.6#



#16
Methylene chloride
Concen: 0.178 ug/L
RT: 3.107 min Scan# 565
Delta R.T. 0.074 min
Lab File: VU063065.D
Acq: 28 Jan 2025 14:18

Tgt Ion: 84 Resp: 1244
Ion Ratio Lower Upper
84 100
86 65.7 44.7 83.1
49 91.5 68.3 126.9





#19

1,1-Dichloroethane

Concen: 0.856 ug/L

RT: 3.930 min Scan# 81

Delta R.T. 0.077 min

Lab File: VU063065.D

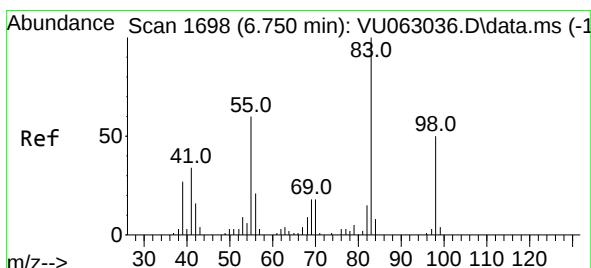
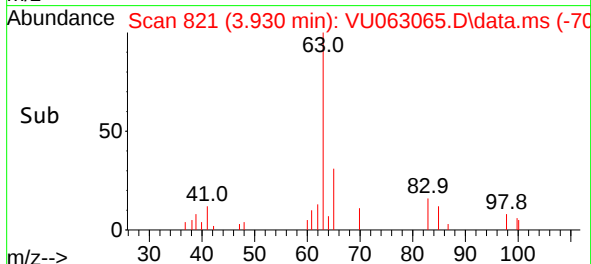
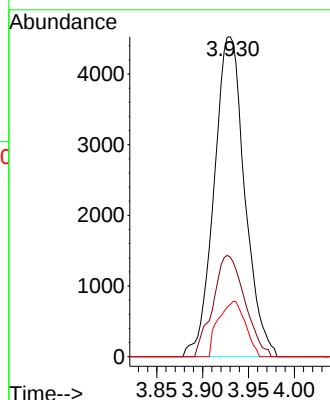
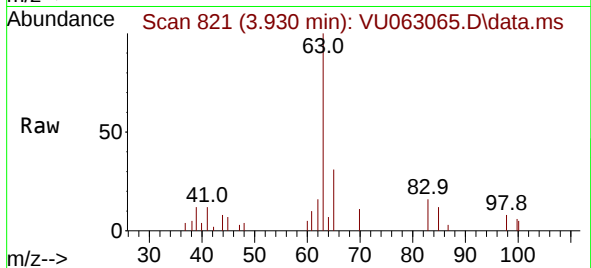
Acq: 28 Jan 2025 14:18

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	10527
Ion	Ratio	Lower	Upper
63	100		
65	31.1	20.7	38.5
83	16.2	10.5	19.5



#35

Methylcyclohexane

Concen: 0.811 ug/L

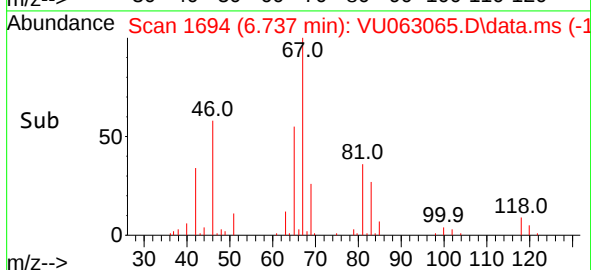
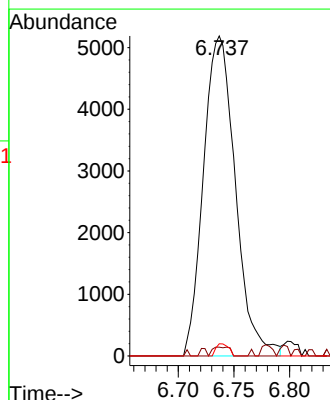
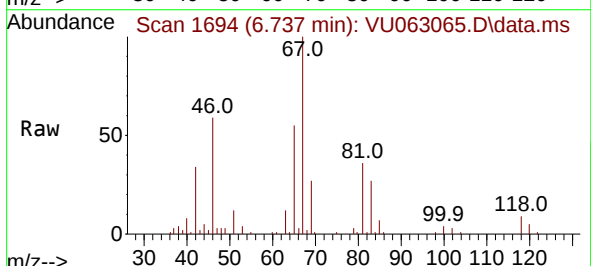
RT: 6.737 min Scan# 1694

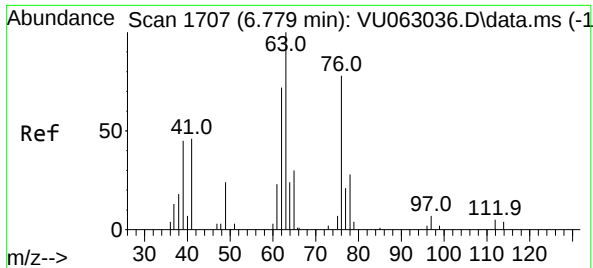
Delta R.T. -0.016 min

Lab File: VU063065.D

Acq: 28 Jan 2025 14:18

Tgt Ion:	83	Resp:	10350
Ion	Ratio	Lower	Upper
83	100		
55	1.5	57.2	85.8#
98	1.5	36.6	55.0#

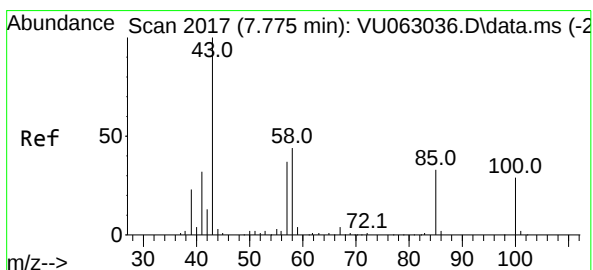
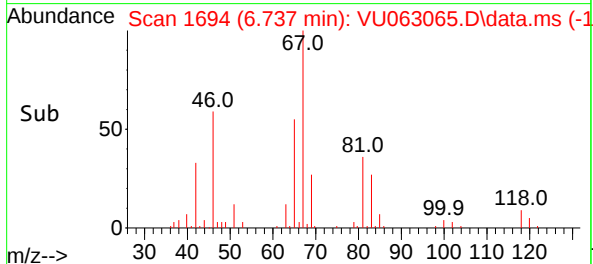
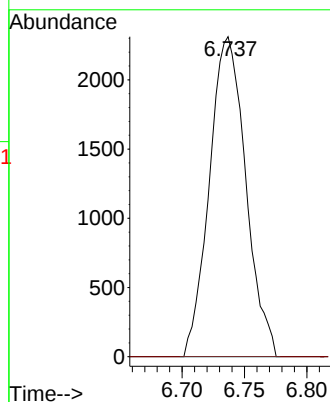
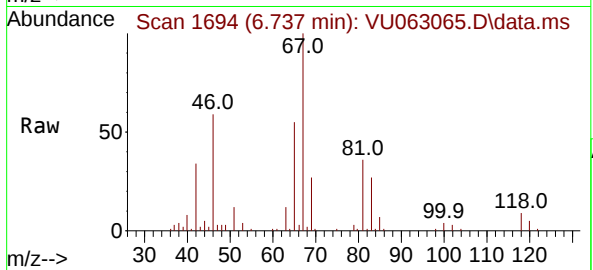




#37
1,2-Dichloropropane
Concen: 0.700 ug/L
RT: 6.737 min Scan# 1
Delta R.T. -0.042 min
Lab File: VU063065.D
Acq: 28 Jan 2025 14:18

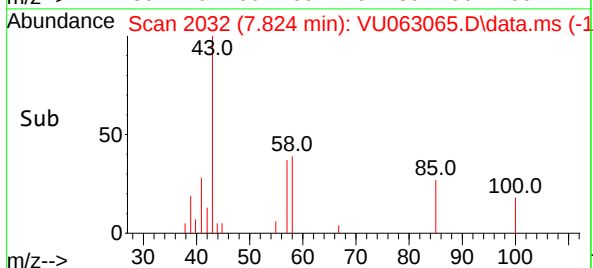
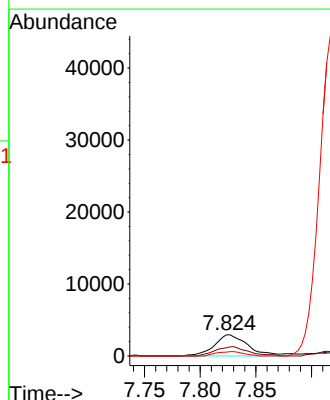
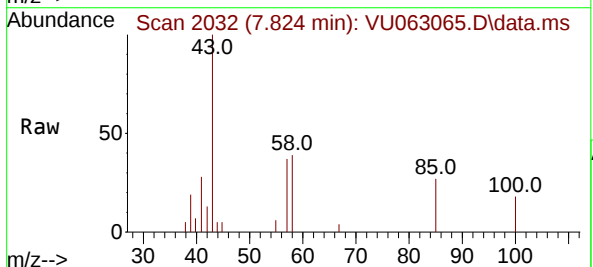
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ClientSampleId :

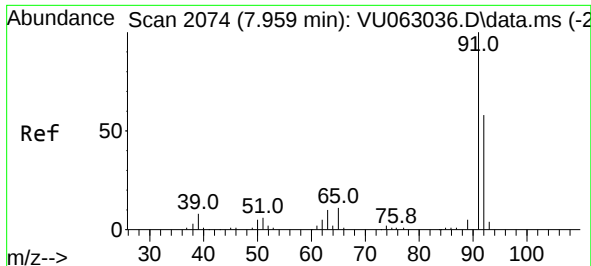
Tgt Ion: 63 Resp: 4695
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



#40
4-Methyl-2-pentanone
Concen: 1.891 ug/L
RT: 7.824 min Scan# 2032
Delta R.T. 0.048 min
Lab File: VU063065.D
Acq: 28 Jan 2025 14:18

Tgt Ion: 43 Resp: 6116
Ion Ratio Lower Upper
43 100
58 42.7 35.8 53.8
100 0.0 16.8 25.2#





#42

Toluene

Concen: 4.609 ug/L

RT: 7.988 min Scan# 2074

Delta R.T. 0.029 min

Lab File: VU063065.D

Acq: 28 Jan 2025 14:18

Instrument :

MSVOA_U

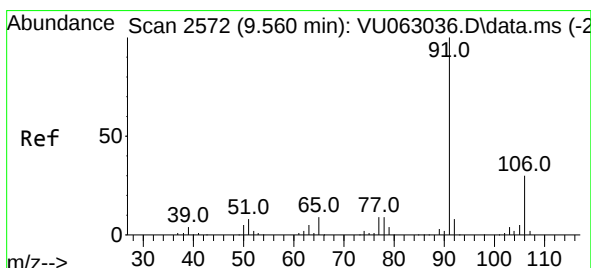
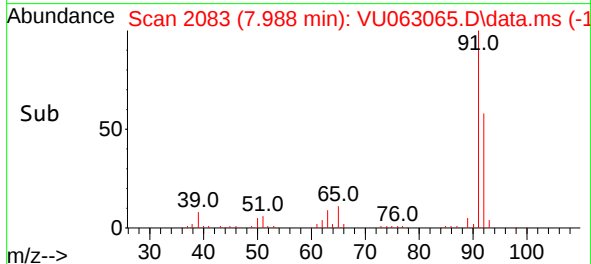
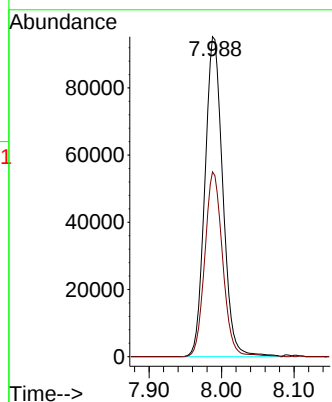
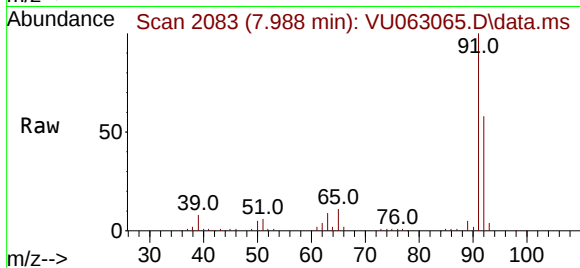
ClientSampleId :

Tgt Ion: 91 Resp: 163289

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#52

Ethylbenzene

Concen: 1.731 ug/L

RT: 9.573 min Scan# 2576

Delta R.T. 0.013 min

Lab File: VU063065.D

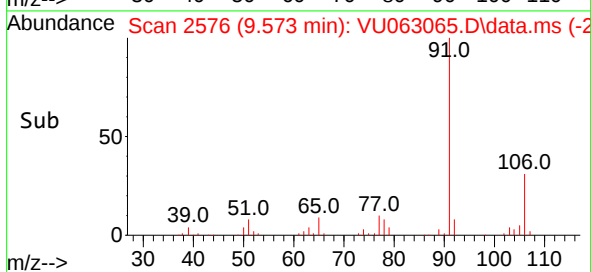
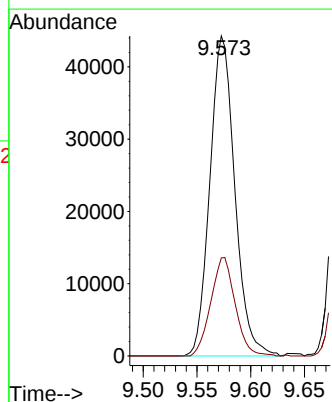
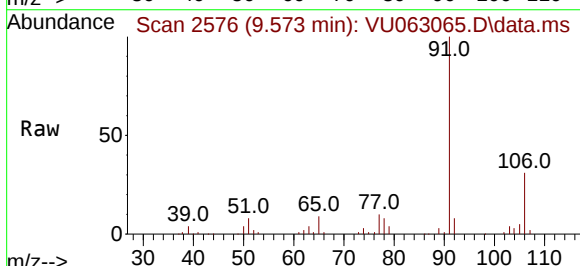
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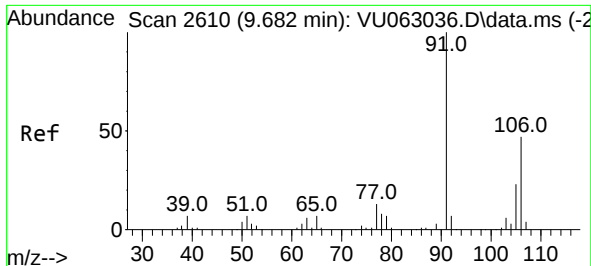
Tgt Ion: 91 Resp: 71456

Ion Ratio Lower Upper

91 100

106 30.6 21.9 40.7

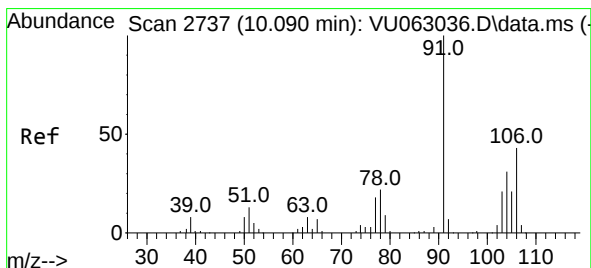
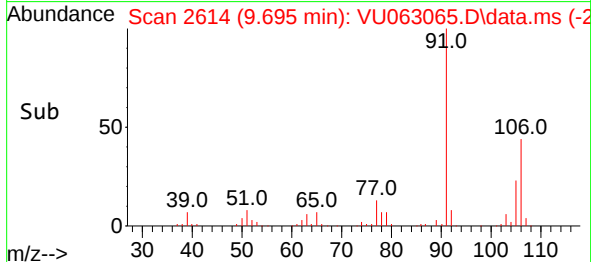
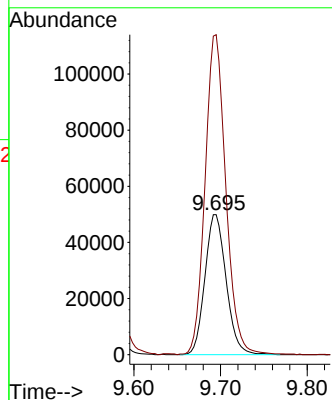
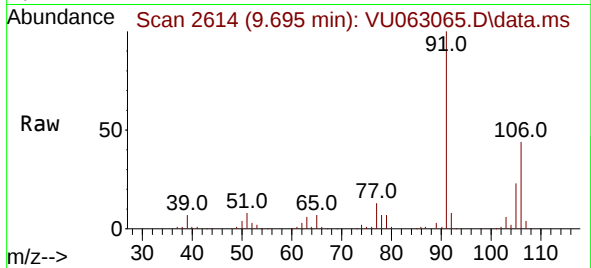




#53
m,p-Xylene
Concen: 5.325 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.010 min
Lab File: VU063065.D
Acq: 28 Jan 2025 14:18

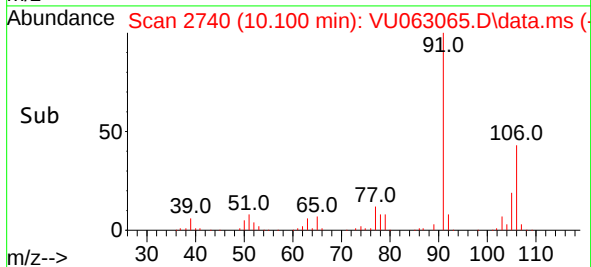
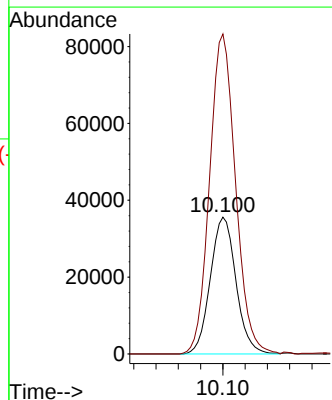
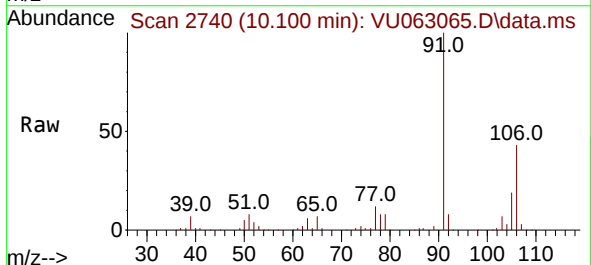
Instrument :
MSVOA_U
ClientSampleId :

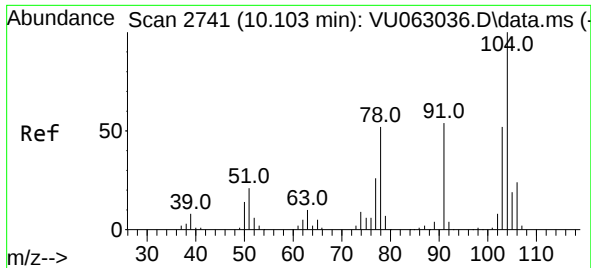
Tgt Ion:106 Resp: 84903
Ion Ratio Lower Upper
106 100
91 228.5 153.1 284.3



#54
o-Xylene
Concen: 3.902 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.010 min
Lab File: VU063065.D
Acq: 28 Jan 2025 14:18

Tgt Ion:106 Resp: 57001
Ion Ratio Lower Upper
106 100
91 233.9 160.4 297.8

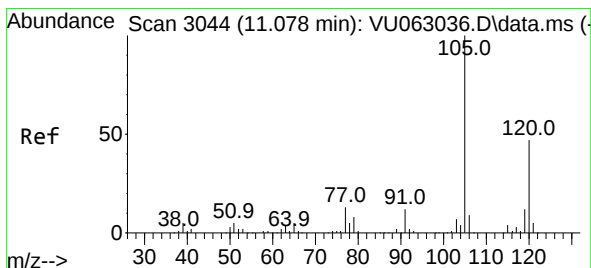
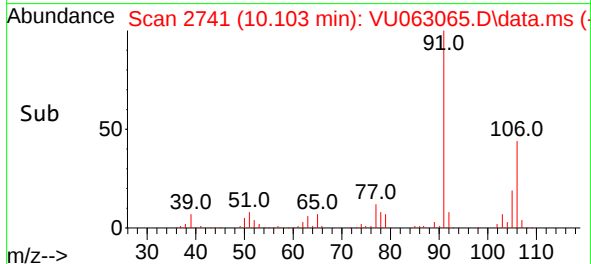
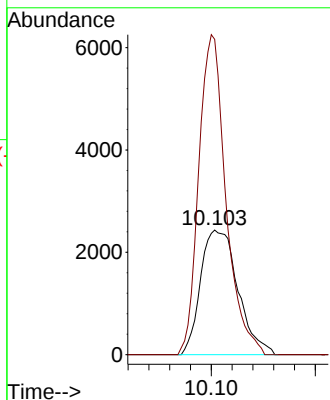
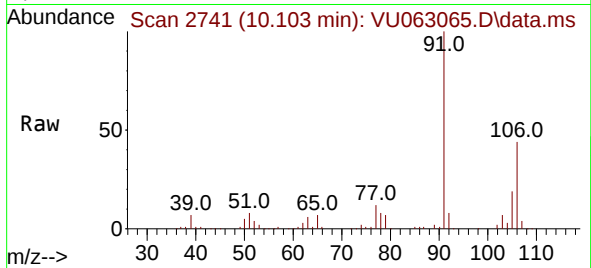




#55
Styrene
Concen: 0.246 ug/L
RT: 10.103 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063065.D
Acq: 28 Jan 2025 14:18

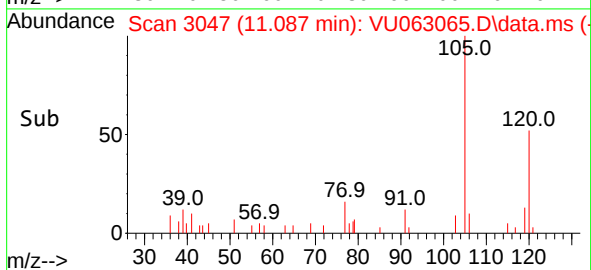
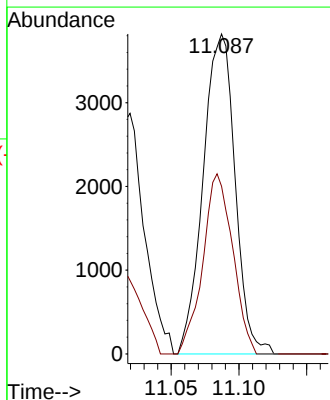
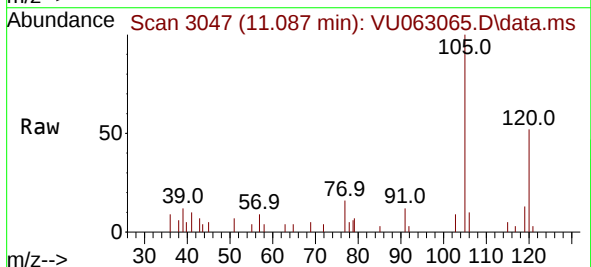
Instrument :
MSVOA_U
ClientSampleId :

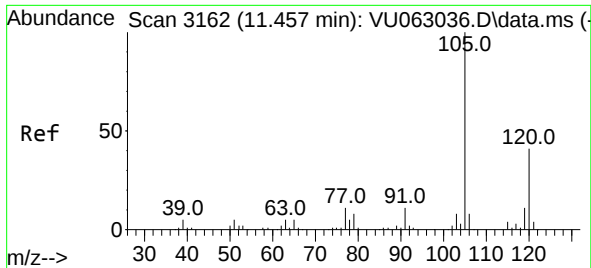
Tgt Ion:104 Resp: 6065
Ion Ratio Lower Upper
104 100
78 253.1 35.5 65.9#



#62
1,3,5-Trimethylbenzene
Concen: 0.162 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.010 min
Lab File: VU063065.D
Acq: 28 Jan 2025 14:18

Tgt Ion:105 Resp: 6262
Ion Ratio Lower Upper
105 100
120 52.7 35.9 53.9

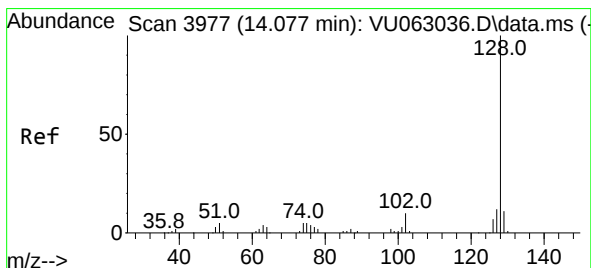
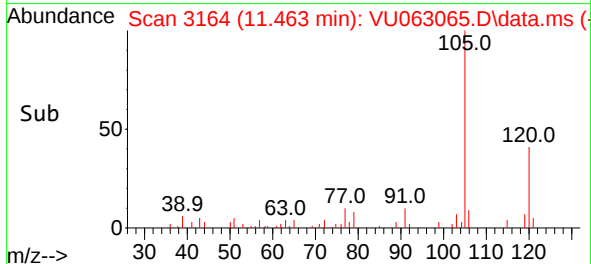
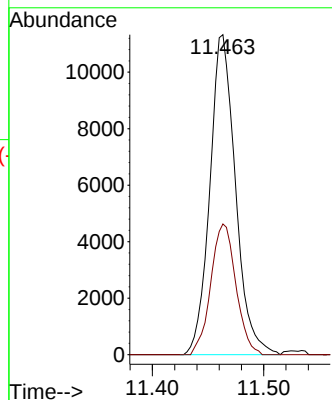
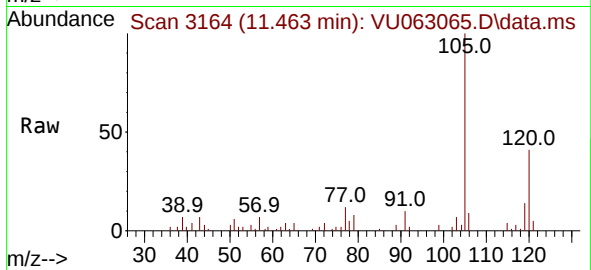




#63
1,2,4-Trimethylbenzene
Concen: 0.496 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.006 min
Lab File: VU063065.D
Acq: 28 Jan 2025 14:18

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:105 Resp: 18138
Ion Ratio Lower Upper
105 100
120 39.9 34.2 51.2



#71
Naphthalene
Concen: 76.342 ug/L
RT: 14.077 min Scan# 3977
Delta R.T. -0.003 min
Lab File: VU063065.D
Acq: 28 Jan 2025 14:18

Tgt Ion:128 Resp: 1370246
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 12.9 10.2 15.2

