

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050720\
 Data File : VL034968.D
 Acq On : 7 May 2020 15:06
 Operator : SY/AP
 Sample : L2524-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSRG2DL

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 5:22:30 PM

Quant Time: May 08 15:22:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1027450	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2359034	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2228456	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1908723	10.58	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	94175	5.607	ppbv	96
15) Acetone	3.84	43	141028	1.038	ppbv	93
19) Isopropyl Alcohol	3.96	45	34709m	0.383	ppbv	
20) Methylene Chloride	4.33	84	43773	0.973	ppbv #	84
26) Hexane	5.69	57	39544m	0.400	ppbv	
53) Toluene	9.84	91	234452m	1.137	ppbv	
59) m/p-Xylene	13.01	91	185501m	0.765	ppbv	
60) o-Xylene	13.74	91	58508	0.245	ppbv	99
74) 1,2,4-Trimethylbenzene	16.81	105	65408m	0.231	ppbv	

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

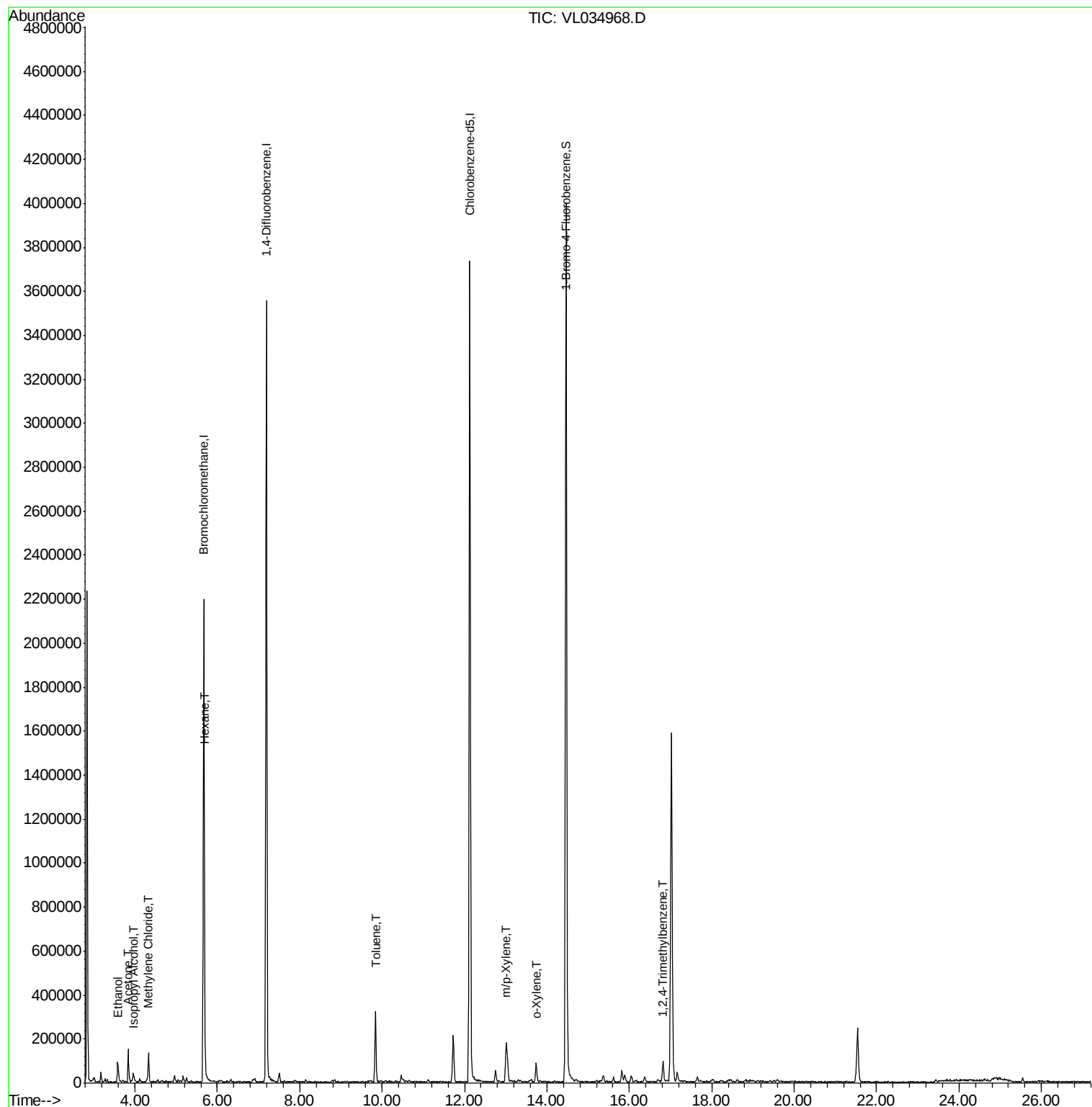
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050720\
Data File : VL034968.D
Acq On : 7 May 2020 15:06
Operator : SY/AP
Sample : L2524-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

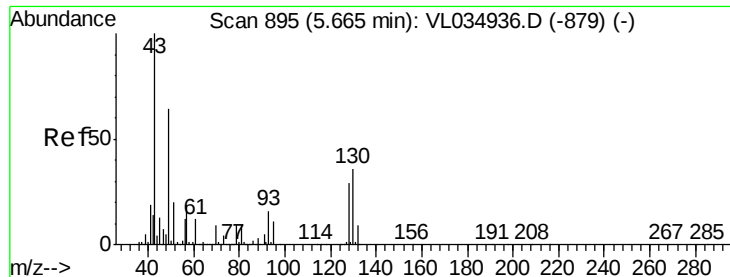
Instrument :
MSVOA_L
ClientSampleId :
SSRG2DL

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Quant Time: May 08 15:22:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

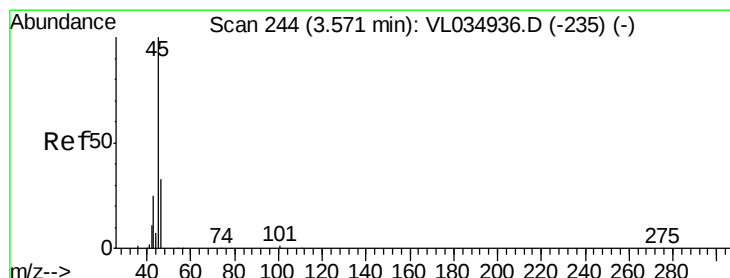
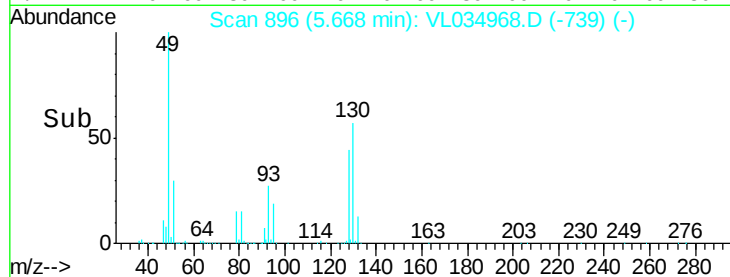
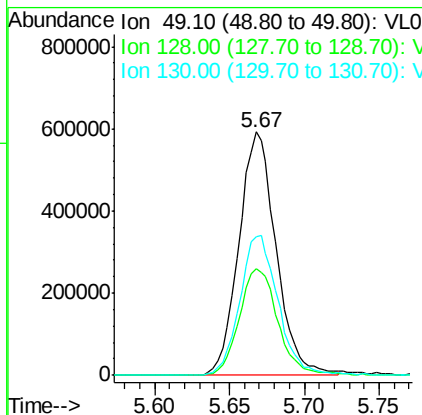
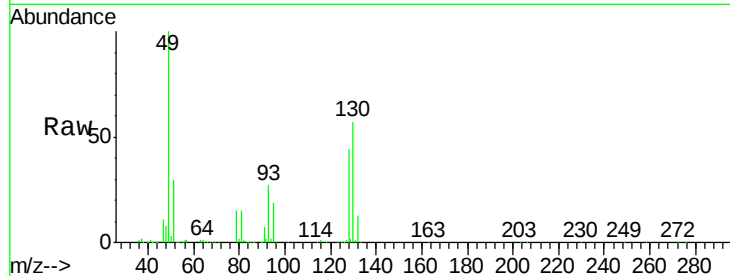
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL034968.D
 Acq: 7 May 2020 15:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SSRG2DL

Tot Ion: 49 Resp: 1027450
 Ion Ratio Lower Upper
 49 100
 128 45.7 22.1 66.5
 130 59.6 29.1 87.3

Manual Integrations
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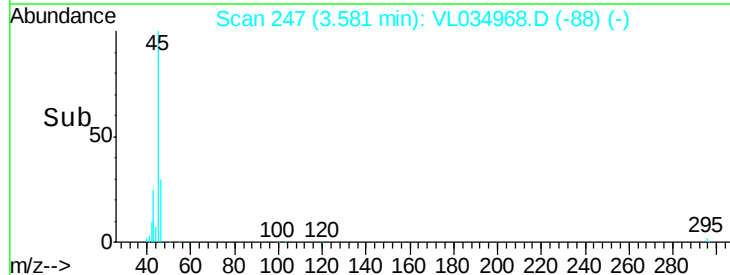
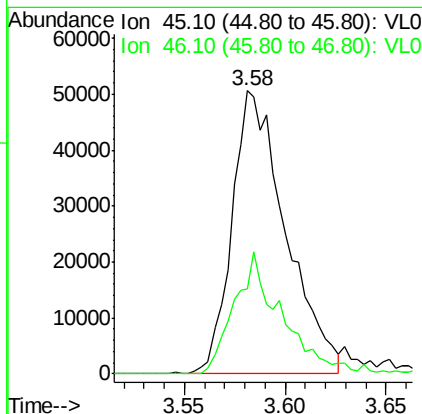
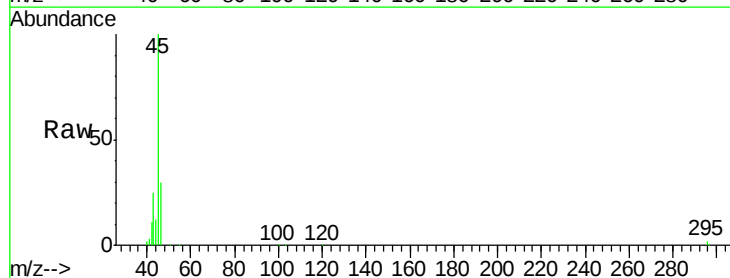
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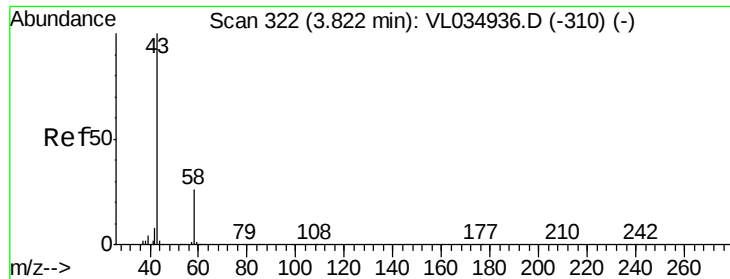


#13

Ethanol
 Concen: 5.607 ppbv
 RT: 3.58 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VL034968.D
 Acq: 7 May 2020 15:06

Tgt Ion: 45 Resp: 94175
 Ion Ratio Lower Upper
 45 100
 46 38.4 14.3 57.3





#15

Acetone

Concen: 1.038 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.01 min

Lab File: VL034968.D

Acq: 7 May 2020 15:06

Instrument :

MSVOA_L

ClientSampleId :

SSRG2DL

Tot Ion: 43 Resp: 141028

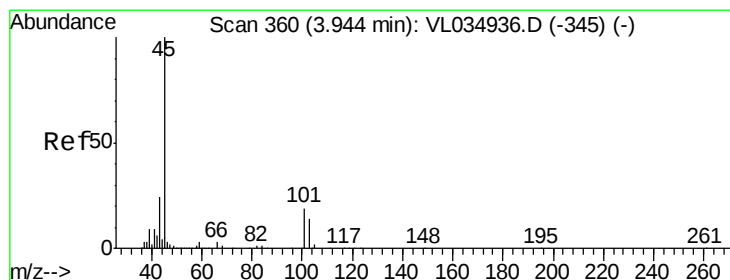
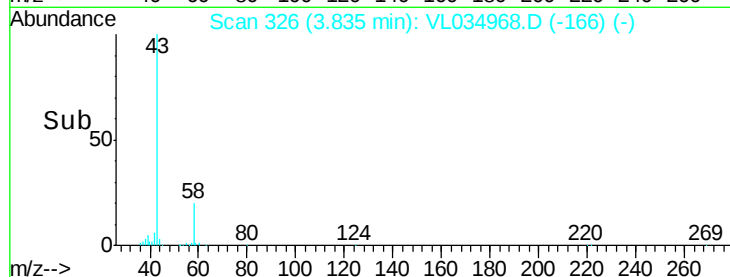
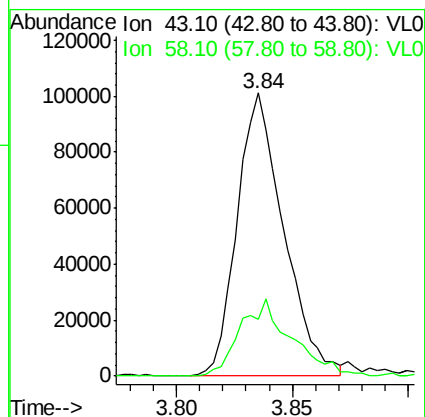
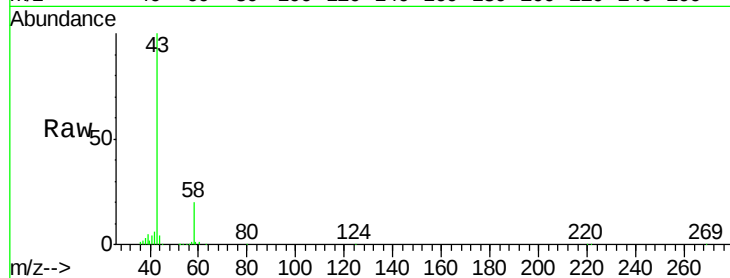
Ion Ratio Lower Upper

43 100

58 30.9 21.7 32.5

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#19

Isopropyl Alcohol

Concen: 0.383 ppbv m

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL034968.D

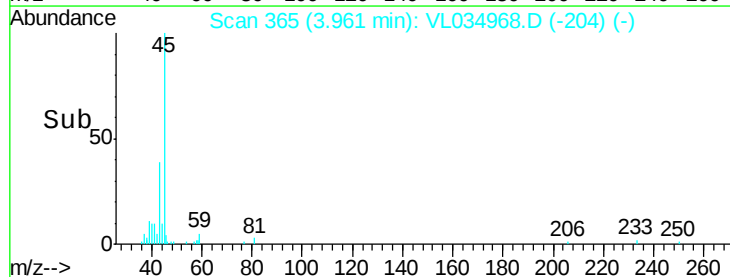
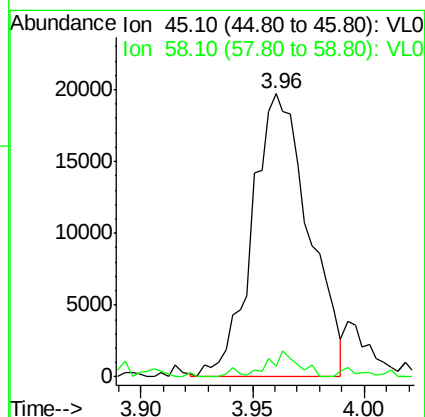
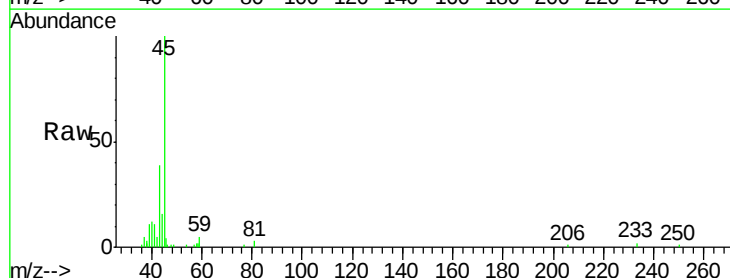
Acq: 7 May 2020 15:06

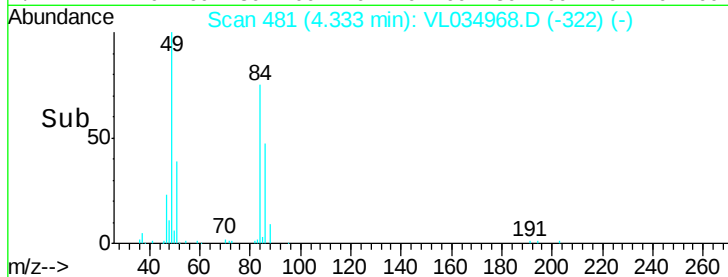
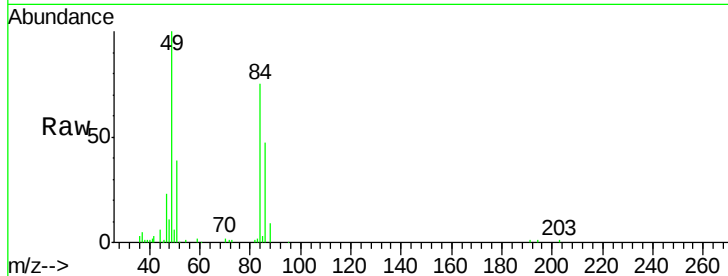
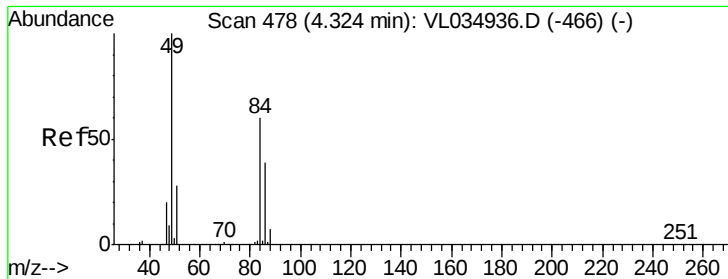
Tgt Ion: 45 Resp: 34709

Ion Ratio Lower Upper

45 100

58 6.8 1.7 2.5#





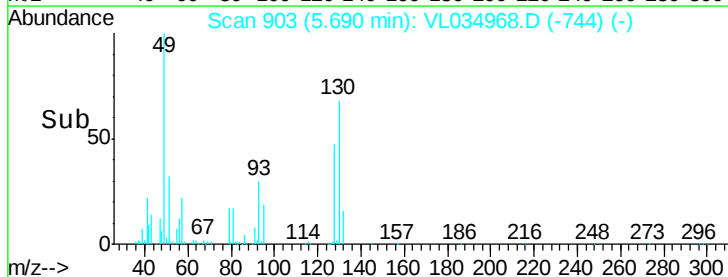
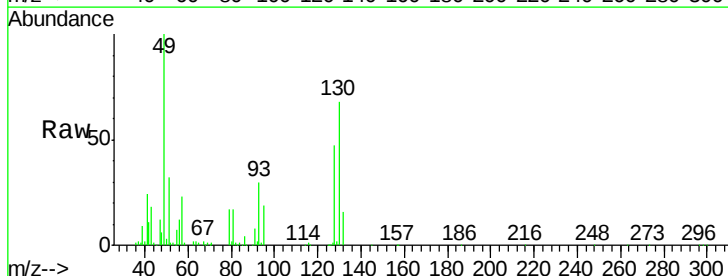
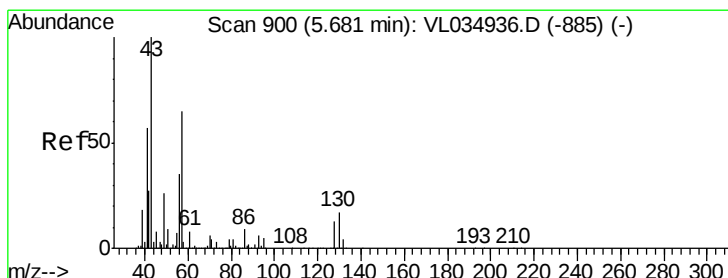
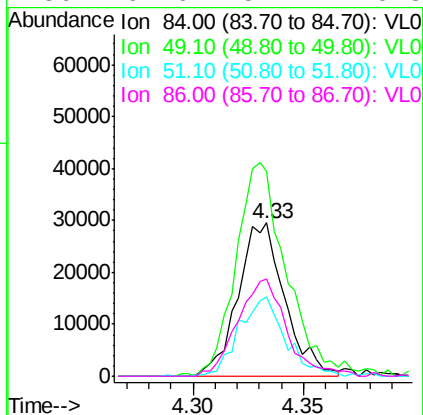
#20
Methvlene Chloride
Concen: 0.973 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL034968.D
Acq: 7 May 2020 15:06

Tot Ion	84	Resp	43773
Ion Ratio	Lower	Upper	
84	100		
49	132.0	132.5	198.7#
51	51.9	38.4	57.6
86	62.6	51.2	76.8

Instrument :
MSVOA_L
ClientSampleId :
SSRG2DL

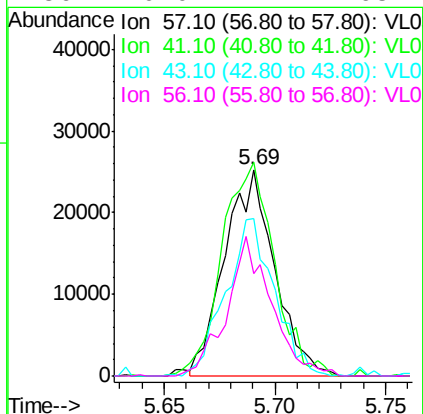
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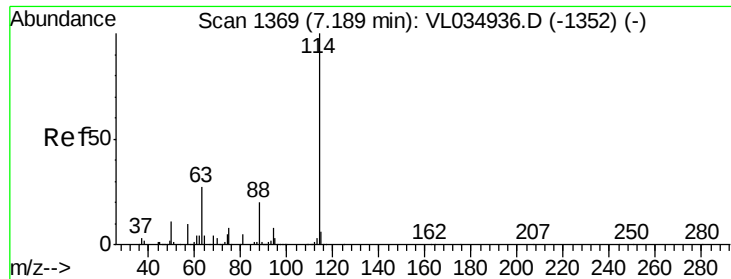
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#26
Hexane
Concen: 0.400 ppbv m
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL034968.D
Acq: 7 May 2020 15:06

Tgt Ion	57	Resp	39544
Ion Ratio	Lower	Upper	
57	100		
41	0.0	72.7	109.1#
43	0.0	182.1	273.1#
56	0.0	42.2	63.2#





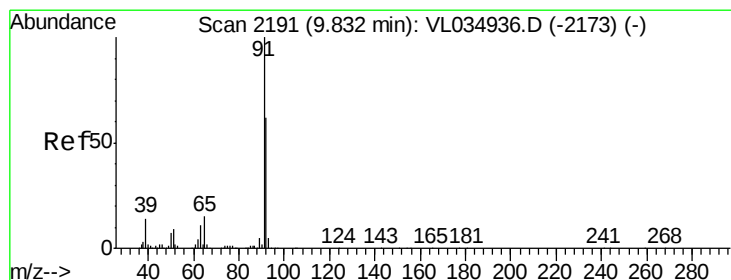
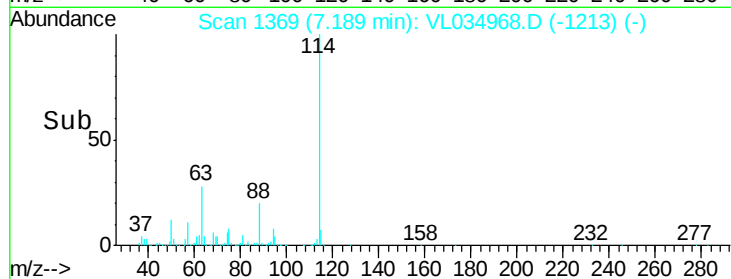
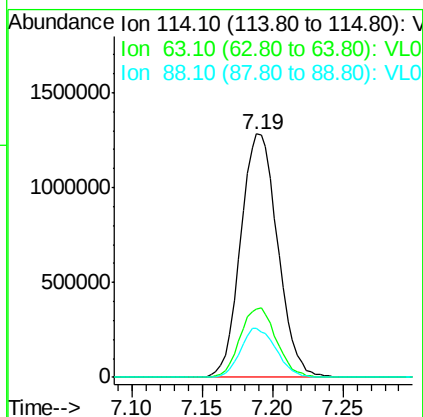
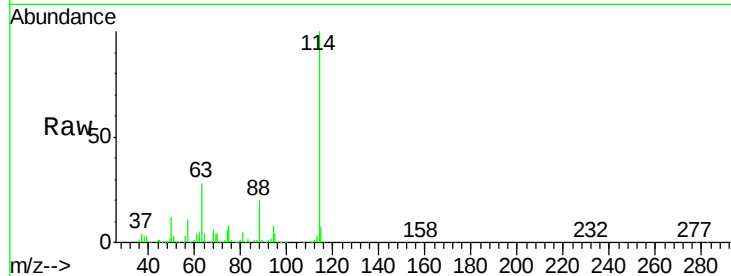
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL034968.D
 Acq: 7 May 2020 15:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SSRG2DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.2	33.4
88	19.6	15.5	23.3

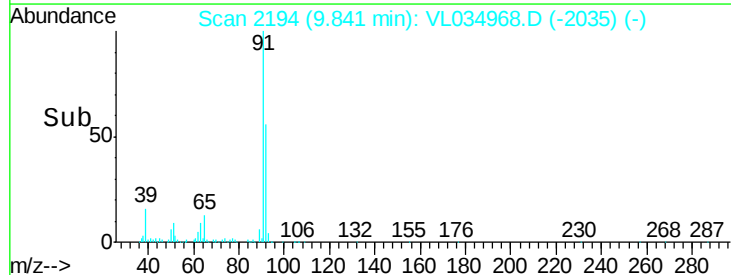
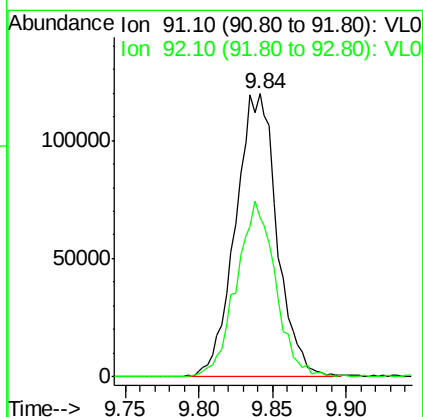
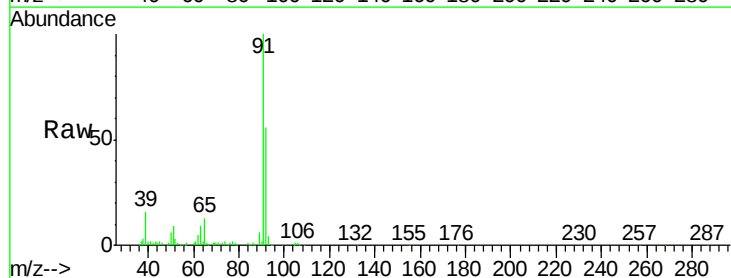
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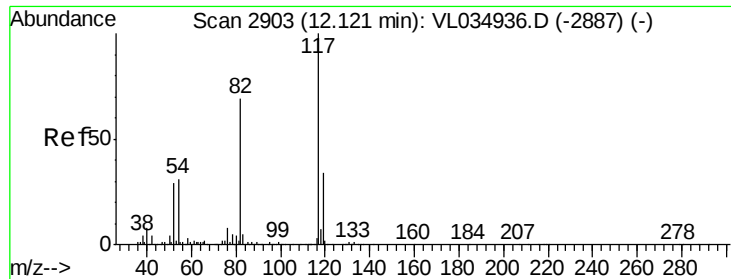
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#53
 Toluene
 Concen: 1.137 ppbv m
 RT: 9.84 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VL034968.D
 Acq: 7 May 2020 15:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.6	73.0#





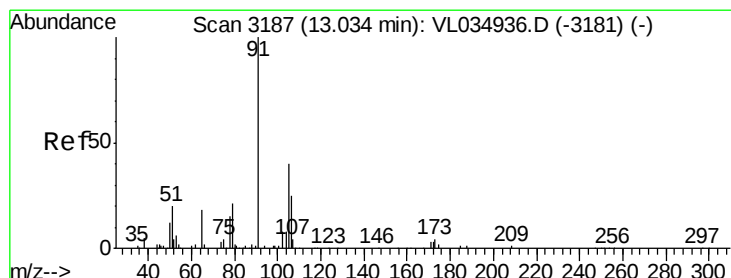
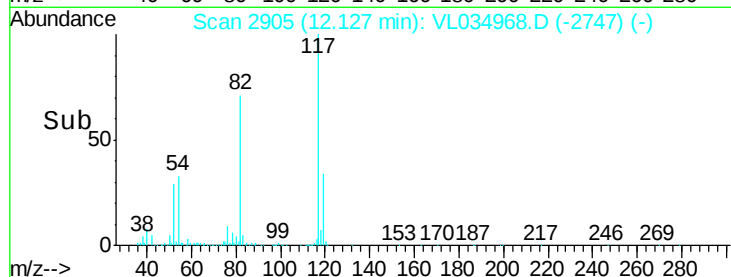
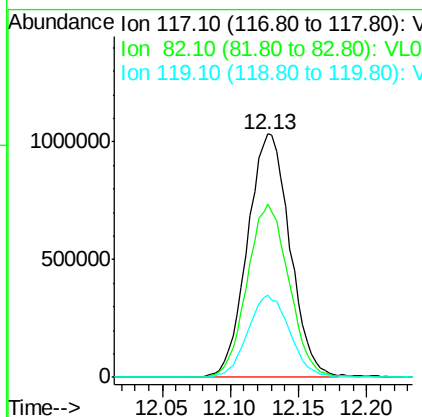
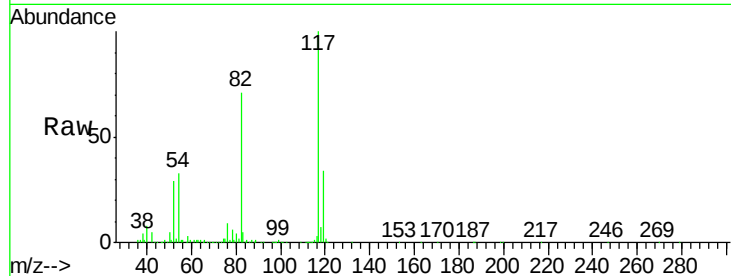
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL034968.D
Acq: 7 May 2020 15:06

Instrument :
MSVOA_L
ClientSampleId :
SSRG2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.8	53.1	79.7
119	33.5	26.7	40.1

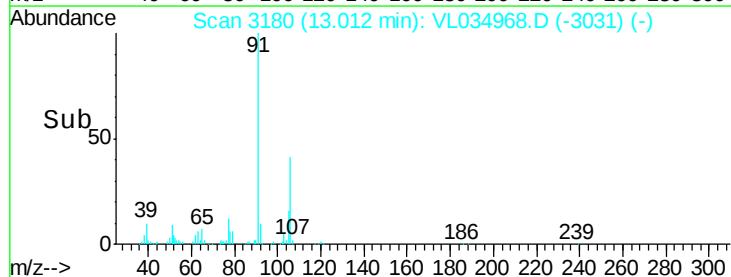
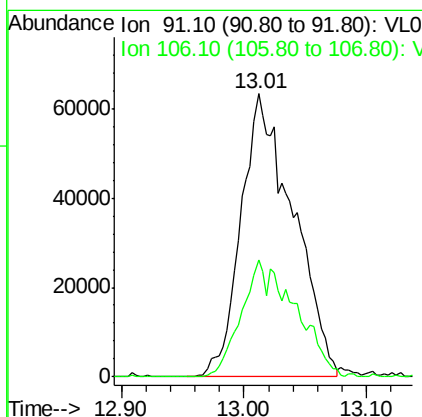
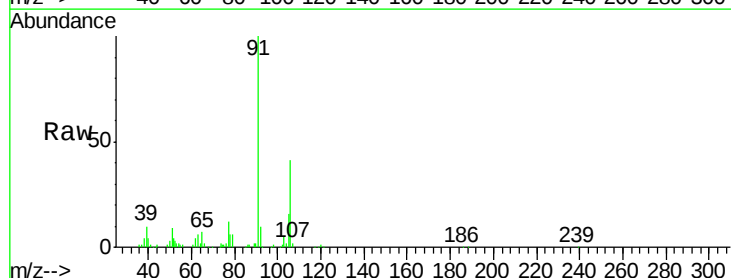
Manual Integrations
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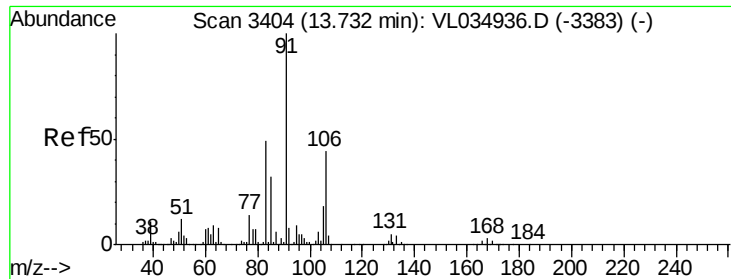
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#59
m/p-Xylene
Concen: 0.765 ppbv m
RT: 13.01 min Scan# 3180
Delta R.T. -0.02 min
Lab File: VL034968.D
Acq: 7 May 2020 15:06

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	66.0	99.0#





#60

o-Xylene

Concen: 0.245 ppbv

RT: 13.74 min Scan# 3406

Delta R.T. 0.01 min

Lab File: VL034968.D

Acq: 7 May 2020 15:06

Instrument :

MSVOA_L

ClientSampleId :

SSRG2DL

Tot Ion: 91 Resp: 58508

Ion Ratio Lower Upper

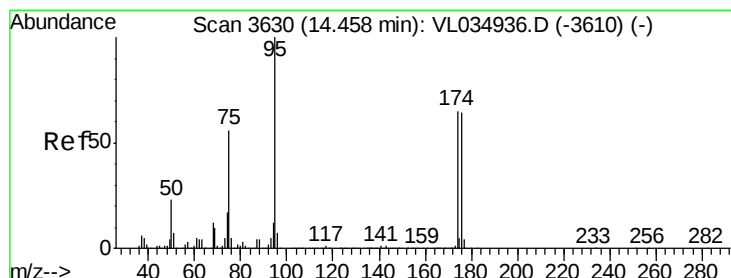
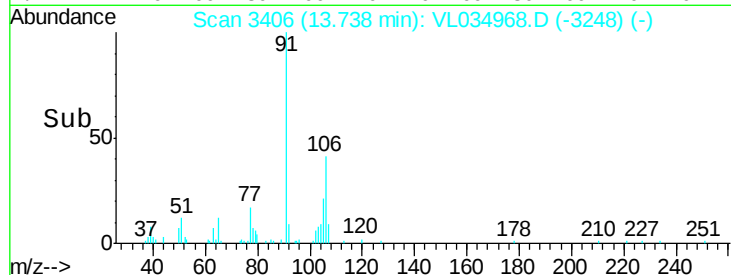
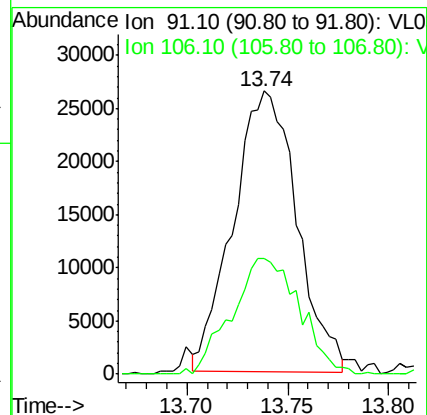
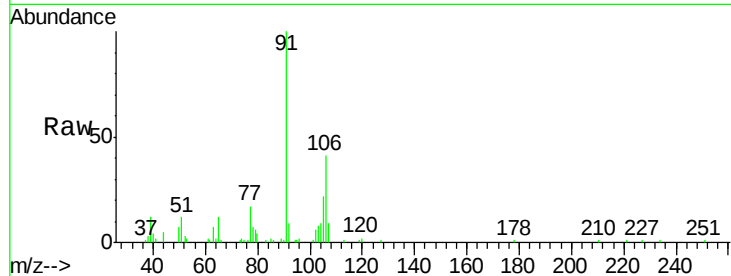
91 100

106 43.4 21.9 65.5

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.582 ppbv

RT: 14.46 min Scan# 3632

Delta R.T. 0.01 min

Lab File: VL034968.D

Acq: 7 May 2020 15:06

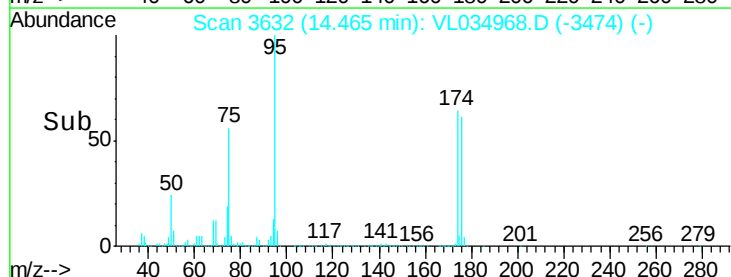
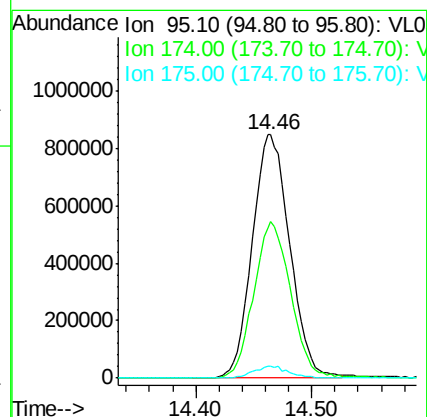
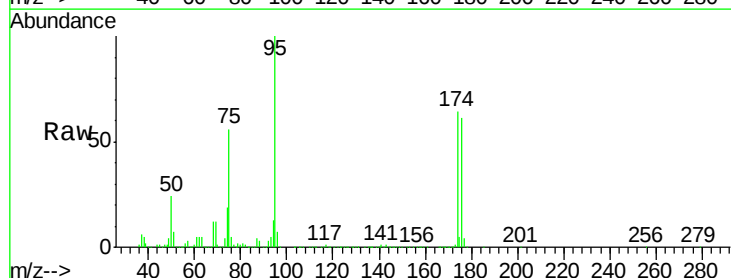
Tgt Ion: 95 Resp: 1908723

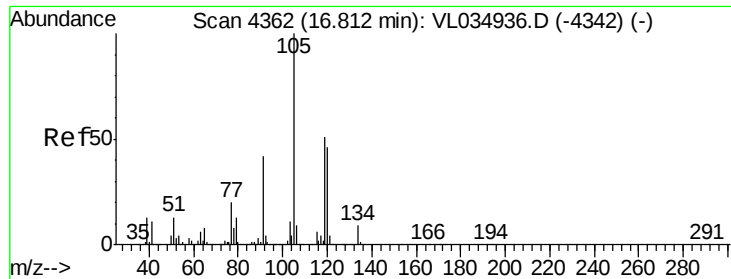
Ion Ratio Lower Upper

95 100

174 63.9 51.5 77.3

175 4.8 3.8 5.8





#74

1,2,4-Trimethylbenzene

Concen: 0.231 ppbv m

RT: 16.81 min Scan# 4362

Delta R.T. 0.00 min

Lab File: VL034968.D

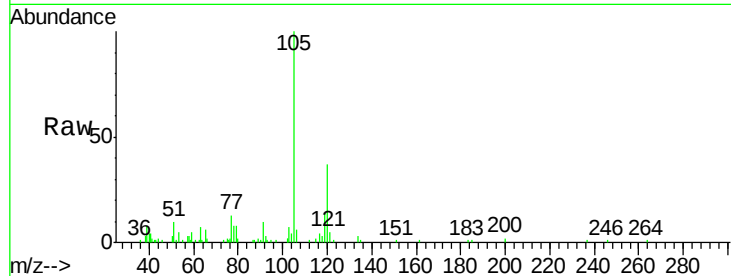
Acq: 7 May 2020 15:06

Instrument :

MSVOA_L

ClientSampleId :

SSRG2DL



Tot Ion:105 Resp: 65408

Ion Ratio Lower Upper

105 100

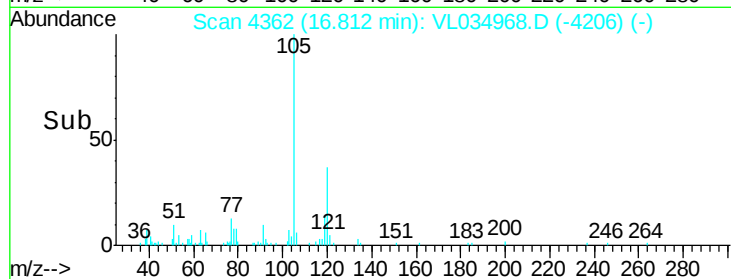
120 36.6 36.8 55.2#

91 10.3 35.4 53.0#

77 13.4 16.2 24.2#

Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

