

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026193.D
 Acq On : 10 Oct 2015 2:15
 Operator : SY/MD
 Sample : G3973-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4DL

Manual Integrations
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Quant Time: Oct 12 02:58:37 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Oct 0
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	298625	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1019522	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.74	117	1024976	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.29	95	819544	10.42	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.57	51	25064m	0.72	ppbv	
9) Propene	3.60	41	3028	0.19	ppbv #	71
13) Ethanol	4.35	45	8191m	3.48	ppbv	
15) Acetone	4.62	43	81642	2.12	ppbv	98
19) Isopropyl Alcohol	4.79	45	10905m	0.73	ppbv	
20) Methylene Chloride	5.16	84	4380	0.27	ppbv #	67
25) Ethyl Acetate	6.70	43	26944	0.36	ppbv #	90
27) Carbon Disulfide	5.40	76	8716	0.20	ppbv #	84
30) Cyclohexane	8.28	84	7895	0.23	ppbv #	28
34) 2-Butanone	6.23	43	8444	0.15	ppbv	95
50) 4-Methyl-2-Pentanone	10.12	43	23926	0.32	ppbv	95
53) Toluene	11.24	91	106653	0.85	ppbv	99
58) Ethyl Benzene	14.41	91	38409	0.26	ppbv	96
59) m/p-Xylene	14.69	91	128941	1.08	ppbv	97
60) o-Xylene	15.49	91	40504	0.32	ppbv	95
61) Styrene	15.31	104	21933	0.43	ppbv	93
74) 1,2,4-Trimethylbenzene	18.83	105	24225	0.18	ppbv #	69

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

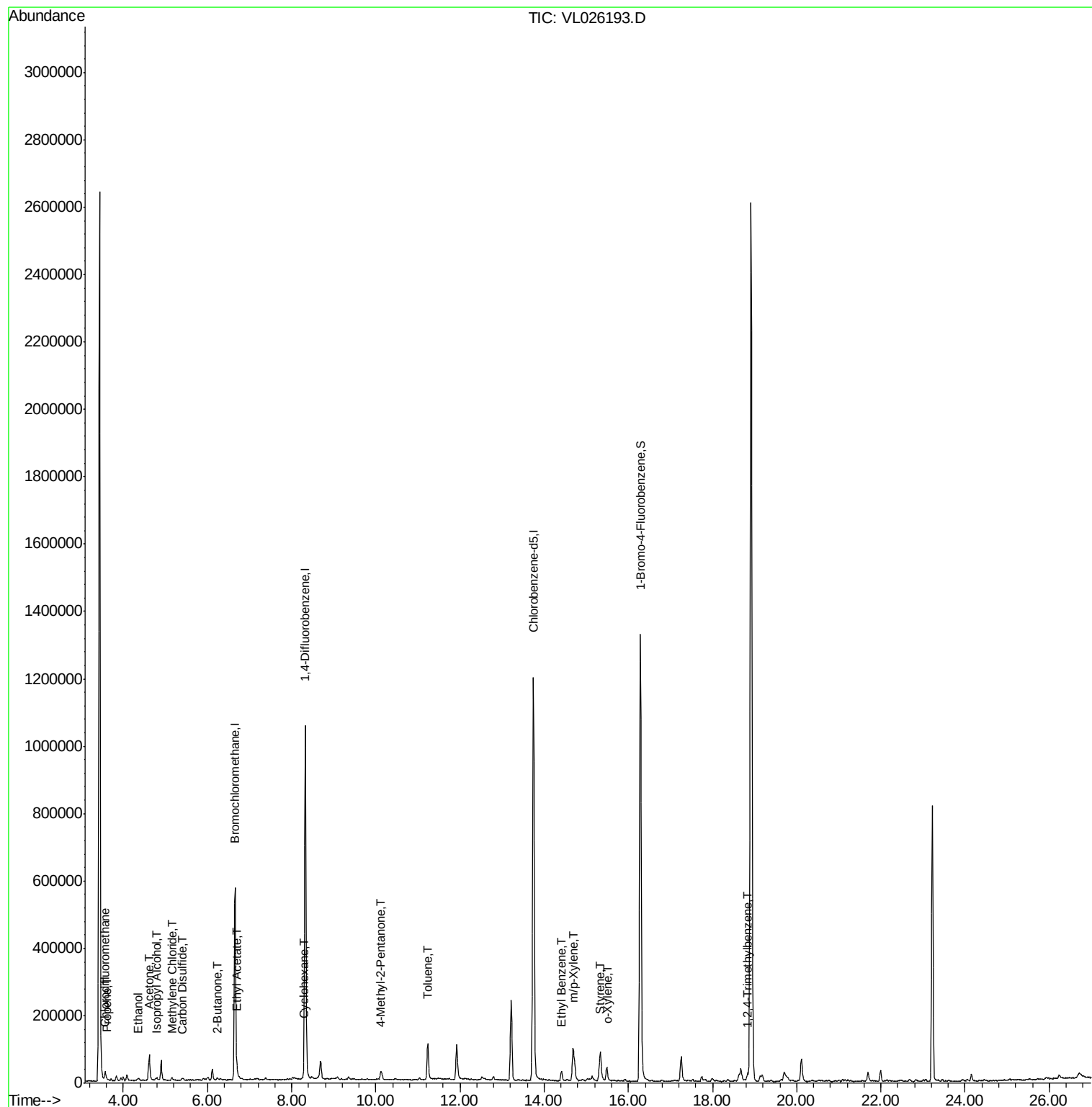
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
Data File : VL026193.D
Acq On : 10 Oct 2015 2:15
Operator : SY/MD
Sample : G3973-04DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

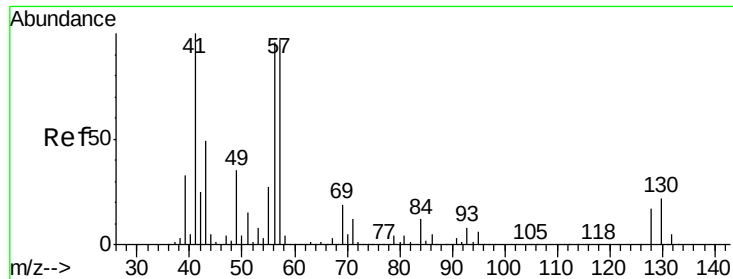
Instrument :
MSVOA_L
ClientSampleId :
SS-4DL

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Quant Time: Oct 12 02:58:37 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct
QLast Update : Fri Oct 09 16:23:14 2015
Response via : Initial Calibration





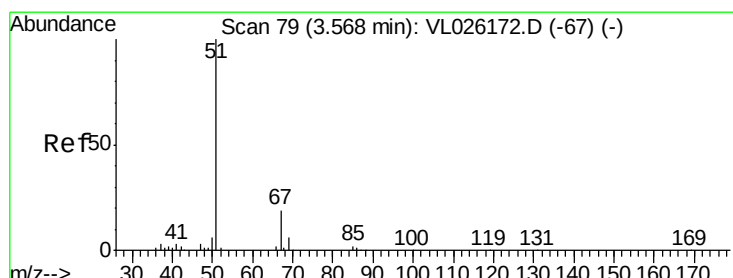
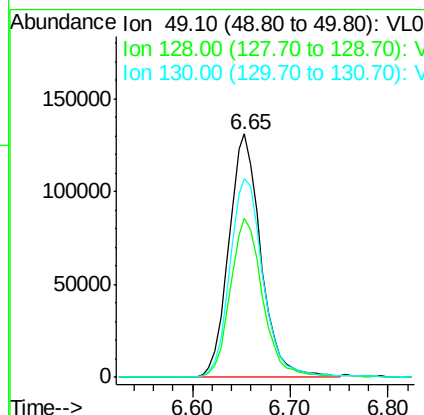
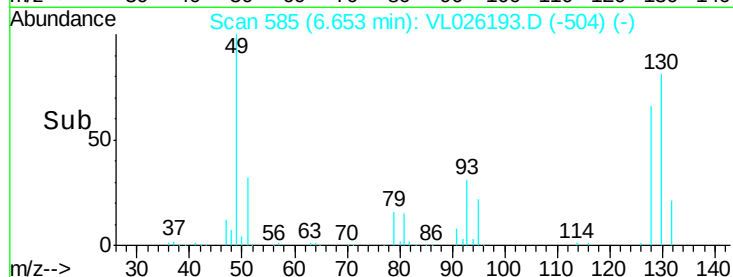
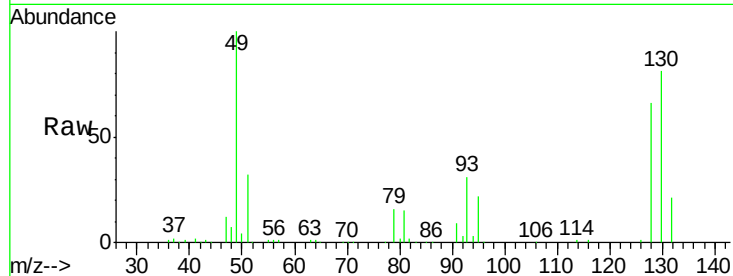
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.65 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: VL026193.D
 Acq: 10 Oct 2015 2:15

Instrument :
 MSVOA_L
 ClientSampled :
 SS-4DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	66.9	26.3	78.8
130	85.3	34.2	102.5

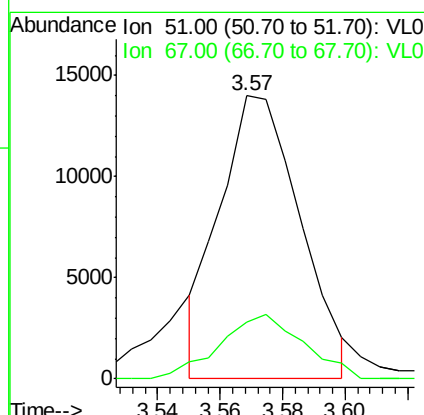
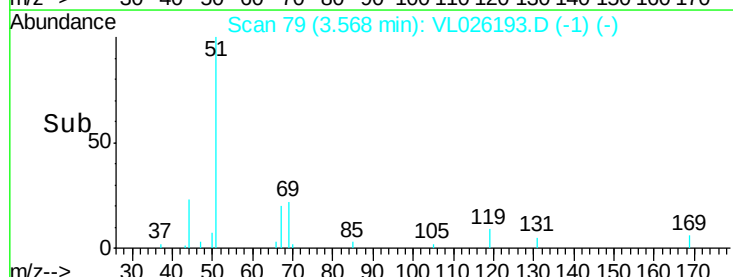
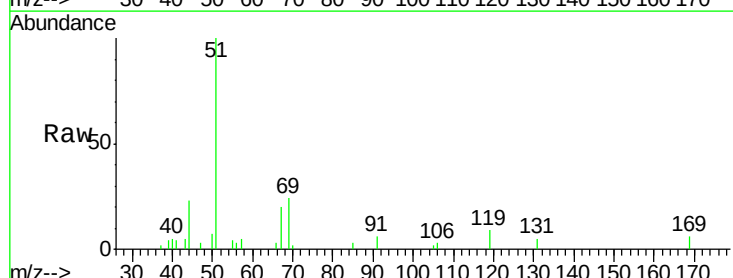
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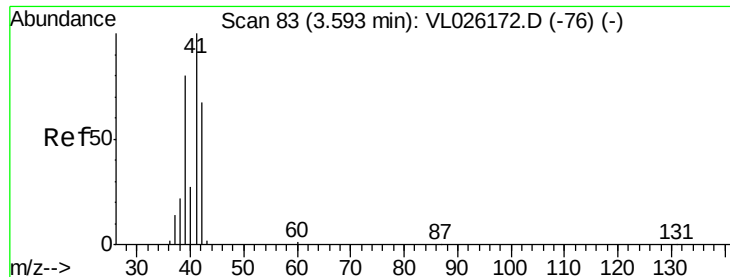
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#3
 Chlorodifluoromethane
 Concen: 0.72 ppbv m
 RT: 3.57 min Scan# 79
 Delta R.T. 0.00 min
 Lab File: VL026193.D
 Acq: 10 Oct 2015 2:15

Tgt Ion	Ratio	Lower	Upper
51	100		
67	23.8	14.9	22.3





#9

Propene

Concen: 0.19 ppbv

RT: 3.60 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL026193.D

Acq: 10 Oct 2015 2:15

Instrument :

MSVOA_L

ClientSampleID :

SS-4DL

Tot Ion: 41 Resp: 3028

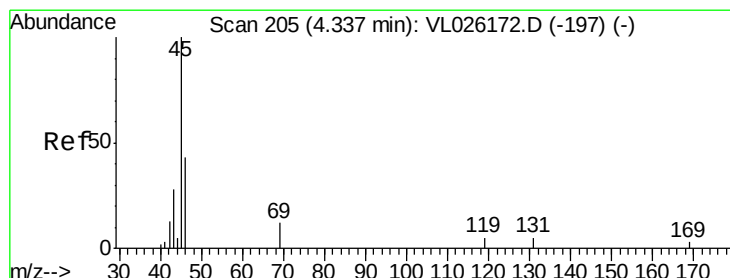
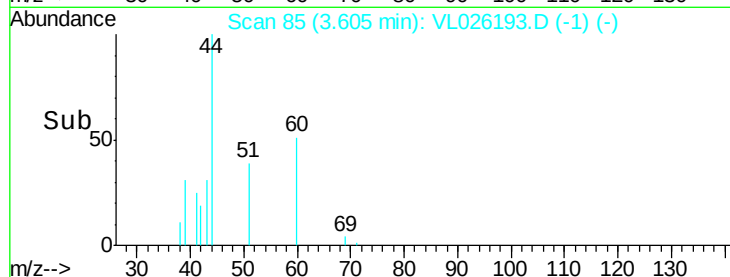
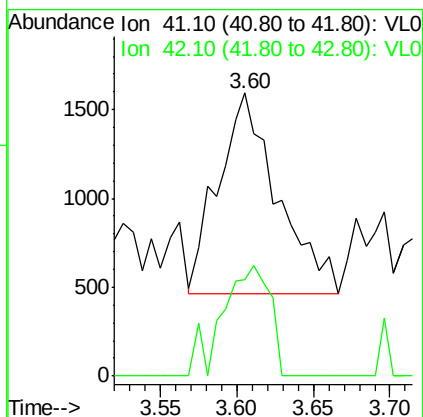
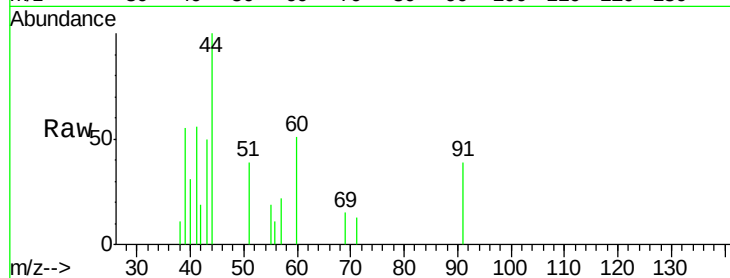
Ion Ratio Lower Upper

41 100

42 44.0 53.6 80.4#

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#13

Ethanol

Concen: 3.48 ppbv m

RT: 4.35 min Scan# 208

Delta R.T. 0.02 min

Lab File: VL026193.D

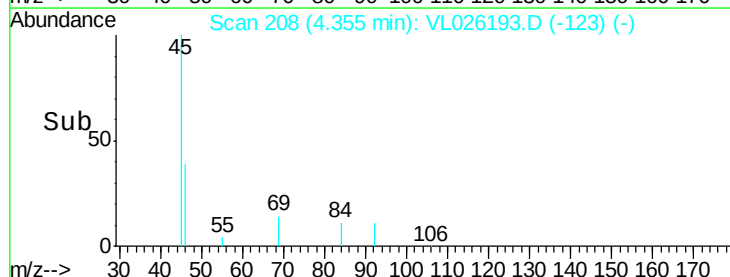
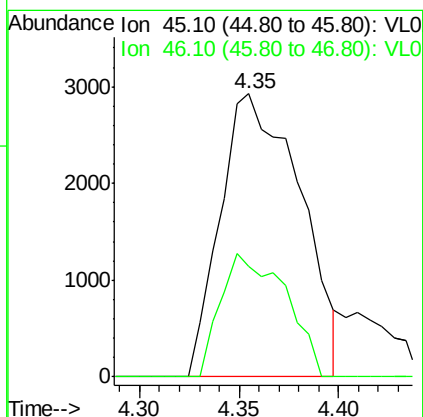
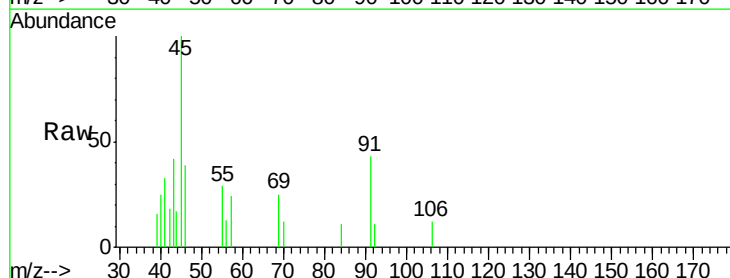
Acq: 10 Oct 2015 2:15

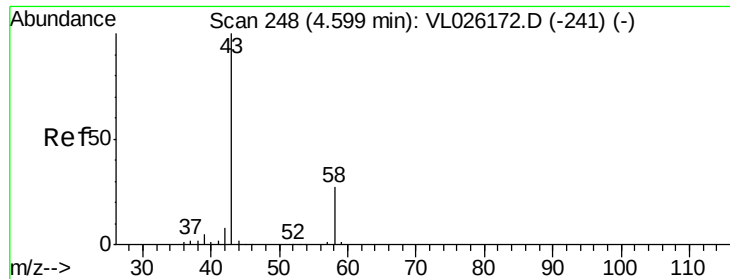
Tgt Ion: 45 Resp: 8191

Ion Ratio Lower Upper

45 100

46 35.5 18.1 72.5





#15

Acetone

Concen: 2.12 ppbv

RT: 4.62 min Scan# 251

Delta R.T. 0.02 min

Lab File: VL026193.D

Acq: 10 Oct 2015 2:15

Instrument :

MSVOA_L

ClientSampleId :

SS-4DL

Tot Ion: 43 Resp: 81642

Ion Ratio Lower Upper

43 100

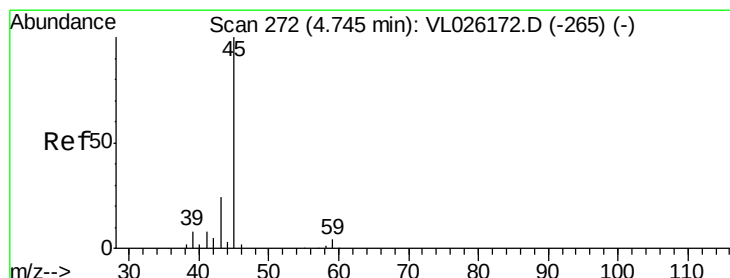
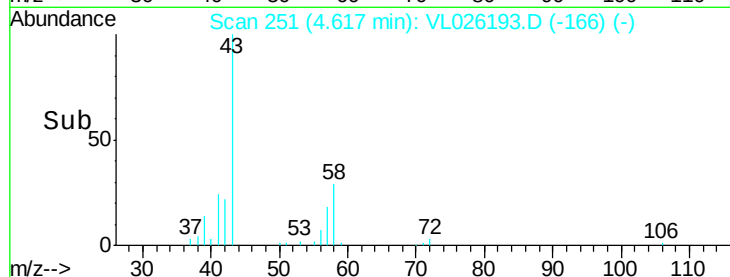
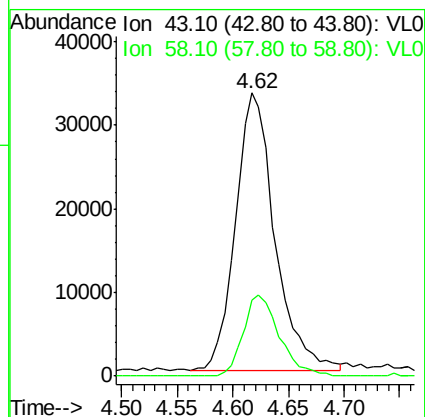
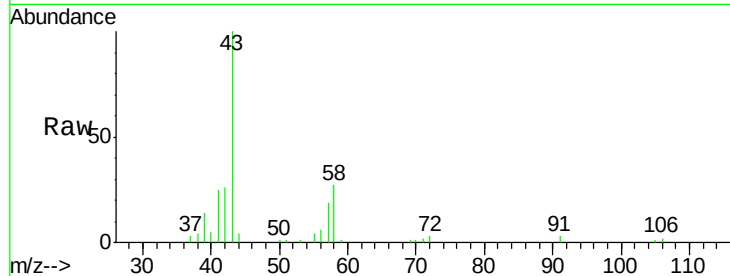
58 26.7 22.0 33.0

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#19

Isopropyl Alcohol

Concen: 0.73 ppbv m

RT: 4.79 min Scan# 280

Delta R.T. 0.05 min

Lab File: VL026193.D

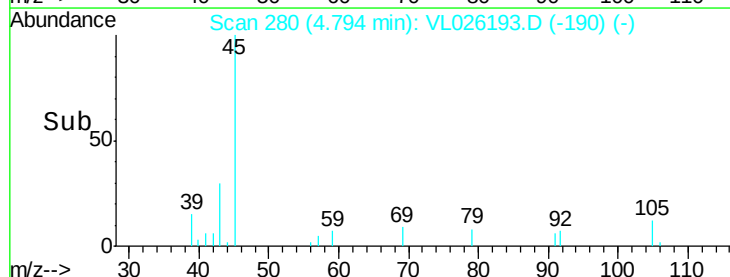
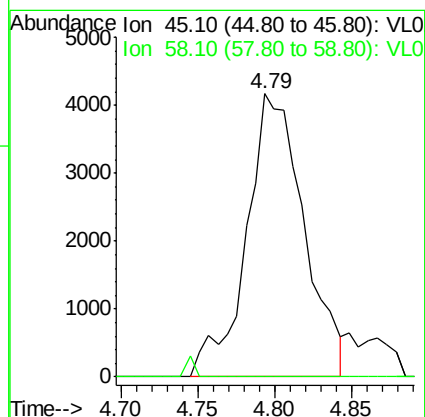
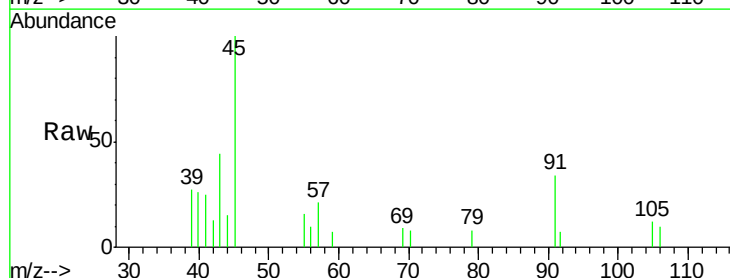
Acq: 10 Oct 2015 2:15

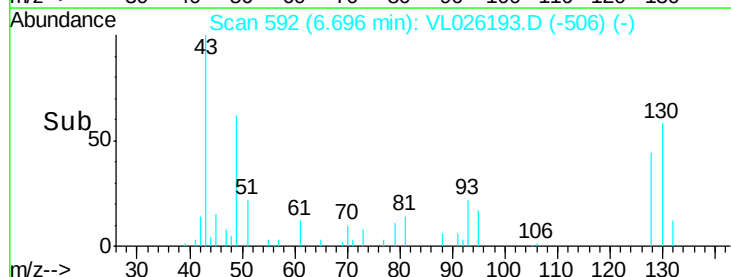
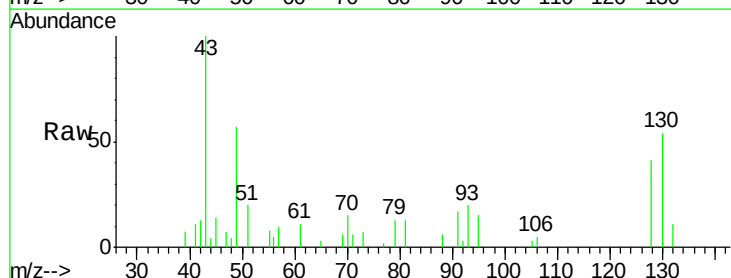
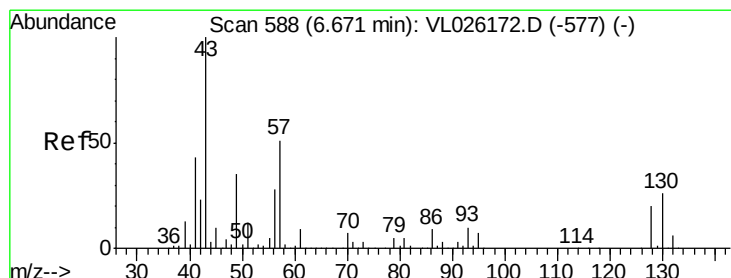
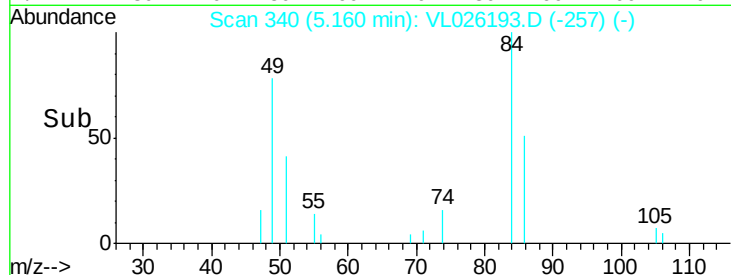
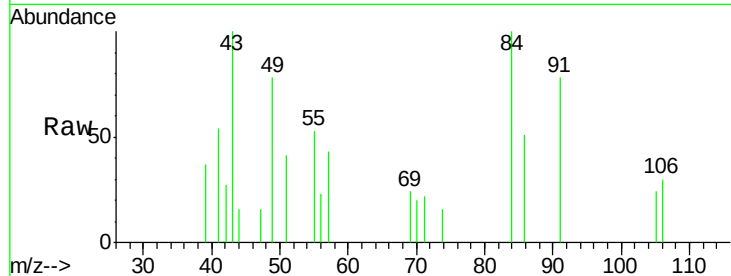
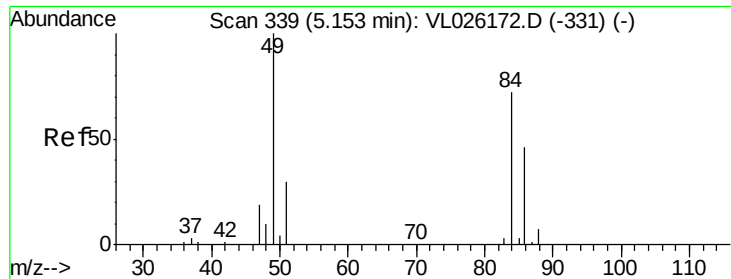
Tgt Ion: 45 Resp: 10905

Ion Ratio Lower Upper

45 100

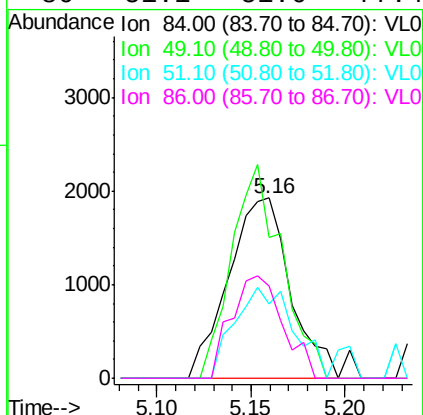
58 199.8 1.7 2.5#





#20
Methylene Chloride
Concen: 0.27 ppbv
RT: 5.16 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL026193.D
Acq: 10 Oct 2015 2:15

Tot Ion	Ratio	Lower	Upper
84	100		
49	77.9	111.3	166.9#
51	41.2	33.0	49.6
86	51.1	51.6	77.4#



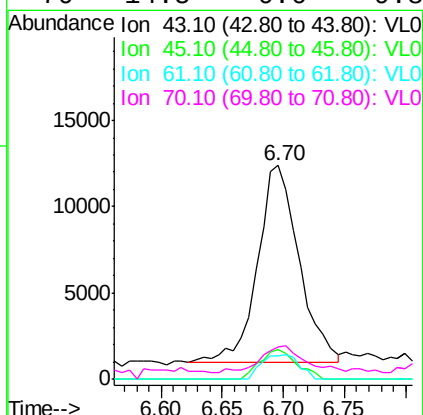
Instrument :
MSVOA_L
ClientSampleId :
SS-4DL

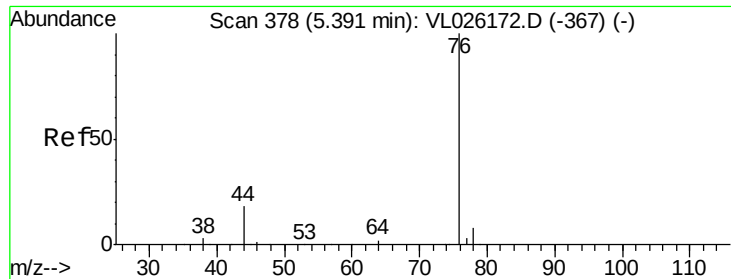
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#25
Ethyl Acetate
Concen: 0.36 ppbv
RT: 6.70 min Scan# 592
Delta R.T. 0.02 min
Lab File: VL026193.D
Acq: 10 Oct 2015 2:15

Tgt Ion	Ratio	Lower	Upper
43	100		
45	13.1	7.7	11.5#
61	11.0	7.4	11.2
70	14.5	6.6	9.8#





#27

Carbon Disulfide

Concen: 0.20 ppbv

RT: 5.40 min Scan# 379

Delta R.T. 0.01 min

Lab File: VL026193.D

Acq: 10 Oct 2015 2:15

Instrument :

MSVOA_L

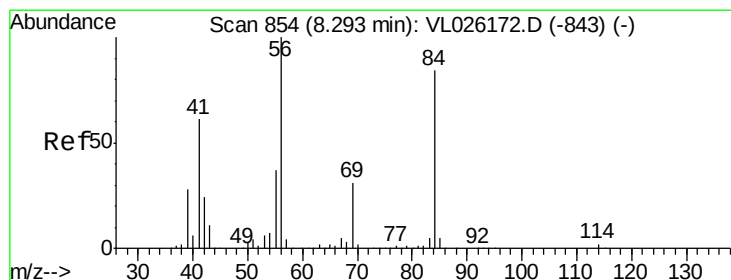
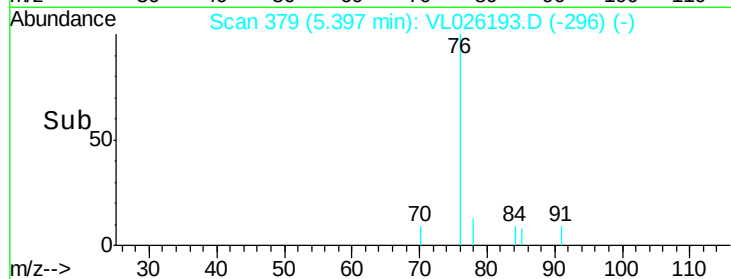
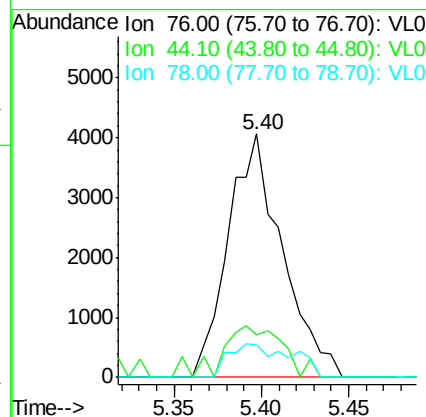
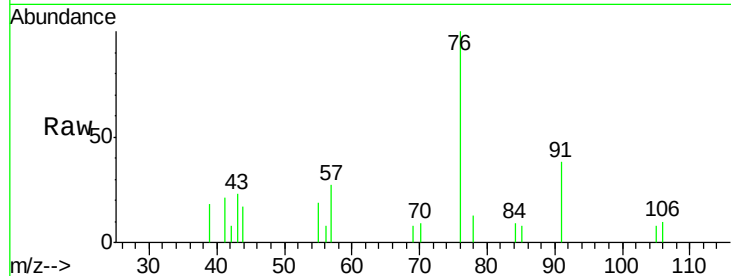
ClientSampled :

SS-4DL

Tot Ion:	76	Resp:	8716
Ion	Ratio	Lower	Upper
76	100		
44	24.1	14.2	21.4#
78	16.1	7.5	11.3#

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#30

Cyclohexane

Concen: 0.23 ppbv

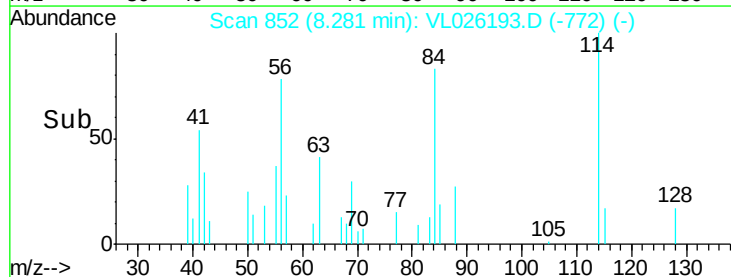
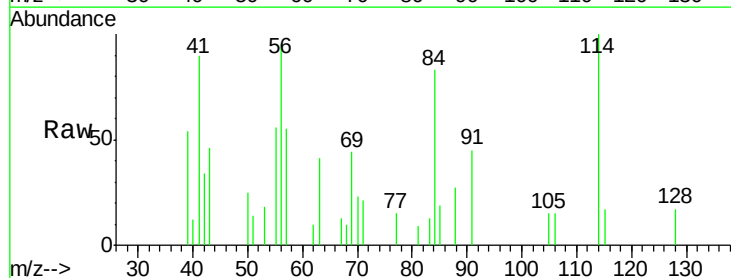
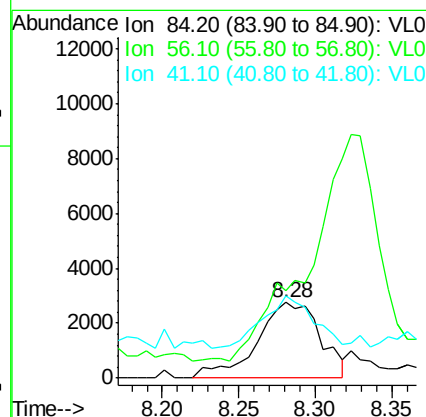
RT: 8.28 min Scan# 852

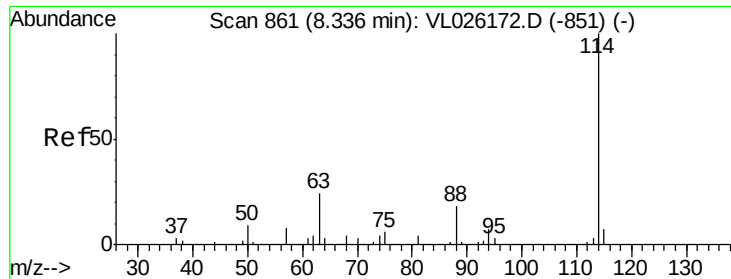
Delta R.T. -0.01 min

Lab File: VL026193.D

Acq: 10 Oct 2015 2:15

Tgt Ion:	84	Resp:	7895
Ion	Ratio	Lower	Upper
84	100		
56	0.0	99.8	149.8#
41	65.5	58.1	87.1





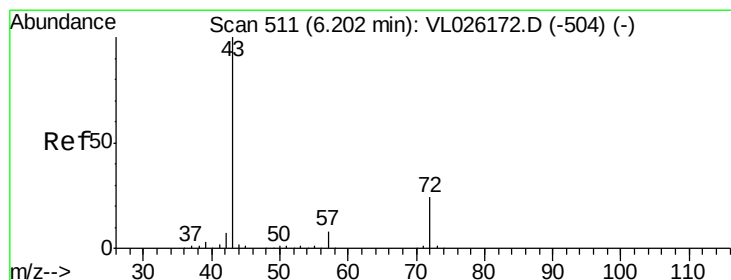
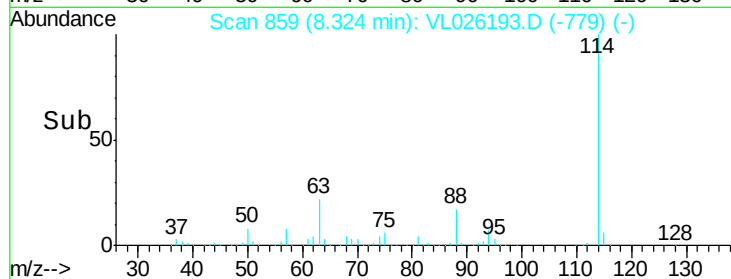
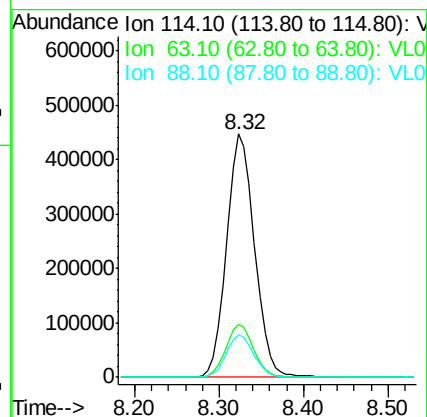
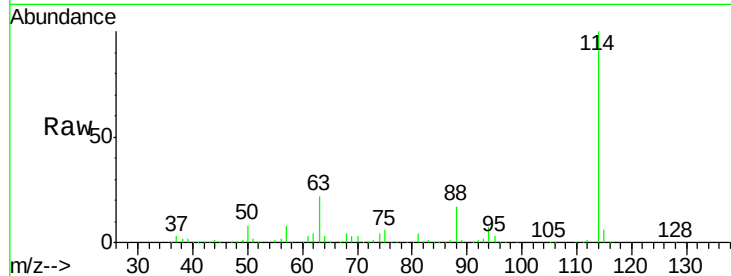
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.32 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VL026193.D
 Acq: 10 Oct 2015 2:15

Instrument :
 MSVOA_L
 ClientSampled :
 SS-4DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	19.0	28.6
88	17.2	13.8	20.8

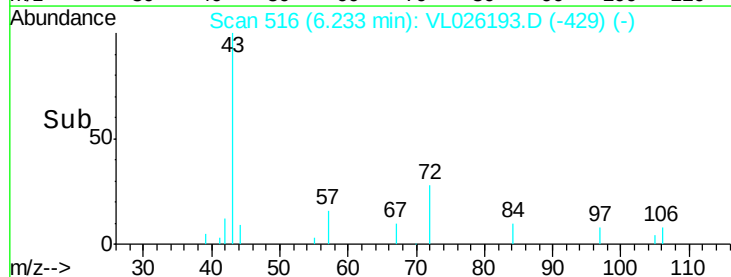
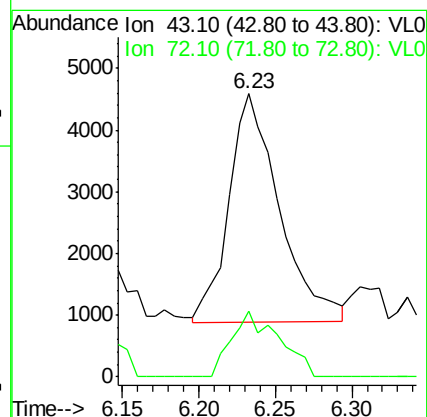
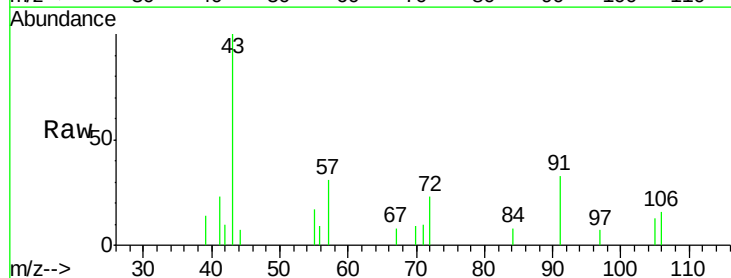
Manual Integrations
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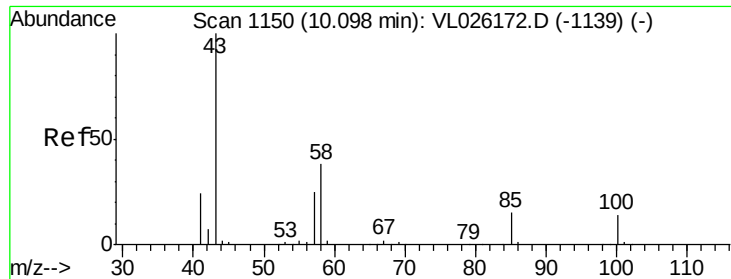
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#34
 2-Butanone
 Concen: 0.15 ppbv
 RT: 6.23 min Scan# 516
 Delta R.T. 0.03 min
 Lab File: VL026193.D
 Acq: 10 Oct 2015 2:15

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.1	19.6	29.4





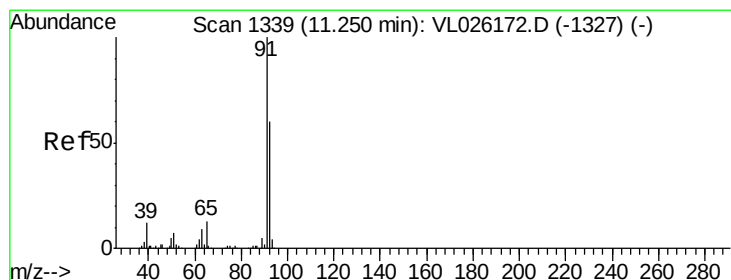
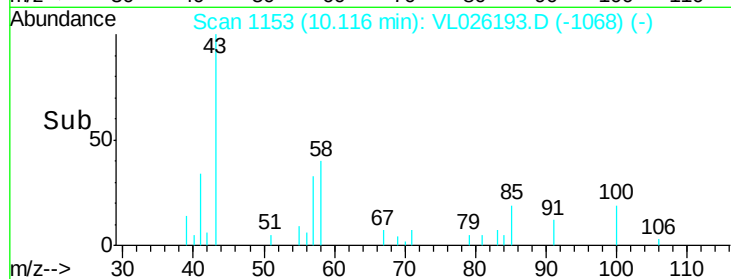
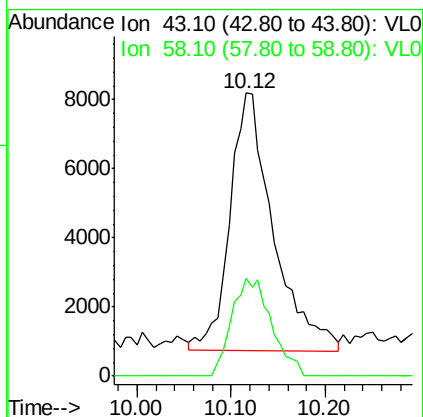
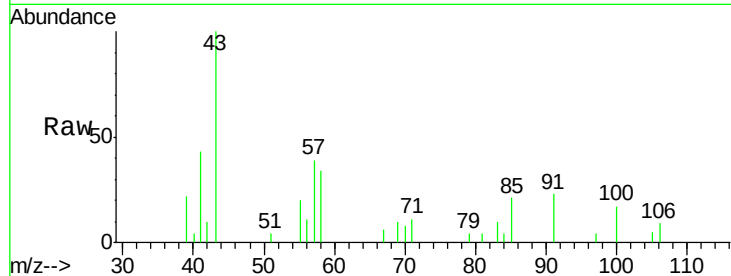
#50
4-Methyl-2-Pentanone
Concen: 0.32 ppbv
RT: 10.12 min Scan# 1153
Delta R.T. 0.02 min
Lab File: VL026193.D
Acq: 10 Oct 2015 2:15

Instrument :
MSVOA_L
ClientSampled :
SS-4DL

Tot Ion	43	Resp	23926
Ion Ratio	100	Lower	Upper
43	100		
58	34.8	30.4	45.6

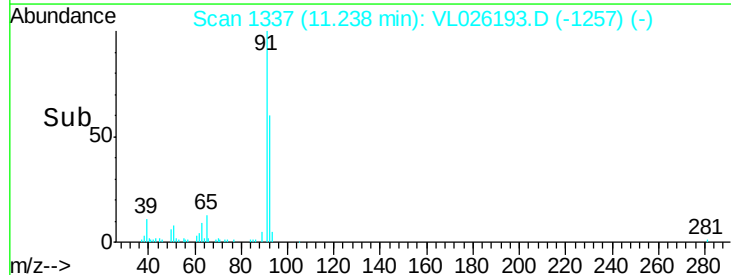
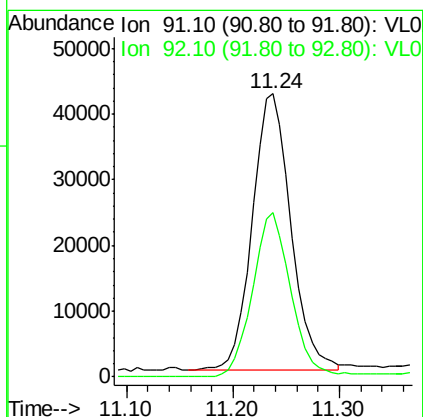
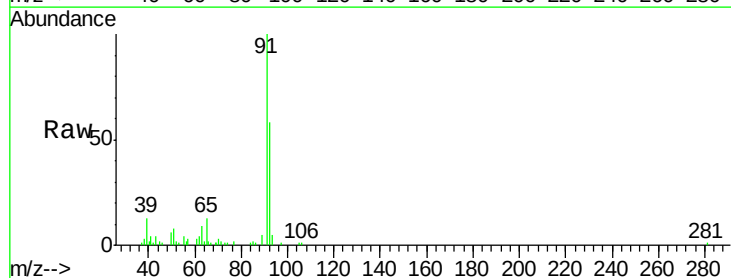
Manual Integrations
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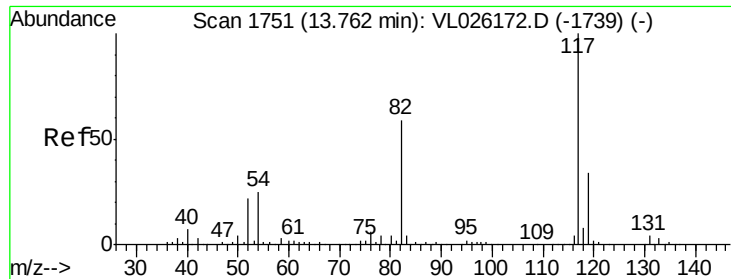
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#53
Toluene
Concen: 0.85 ppbv
RT: 11.24 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VL026193.D
Acq: 10 Oct 2015 2:15

Tgt Ion	91	Resp	106653
Ion Ratio	100	Lower	Upper
91	100		
92	61.4	48.5	72.7





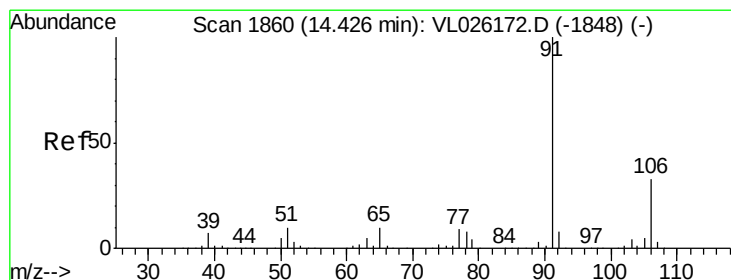
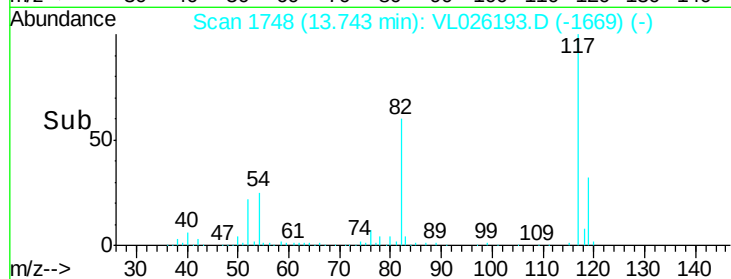
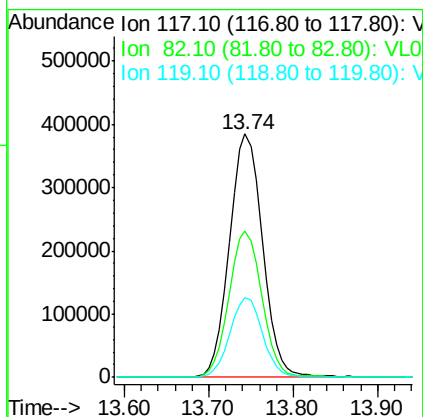
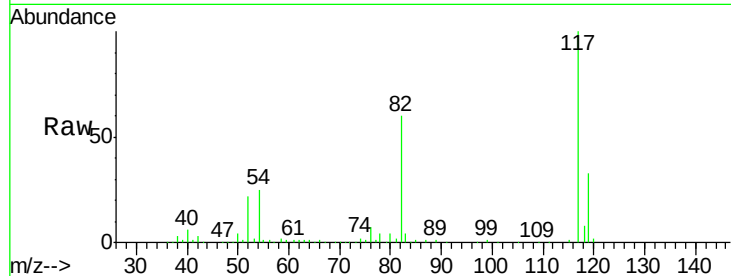
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.02 min
Lab File: VL026193.D
Acq: 10 Oct 2015 2:15

Instrument :
MSVOA_L
ClientSampled :
SS-4DL

Tot Ion:117 Resp: 1024976
Ion Ratio Lower Upper
117 100
82 60.8 47.7 71.5
119 32.6 43.7 65.5#

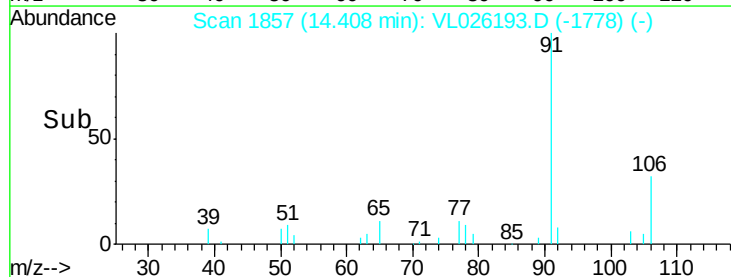
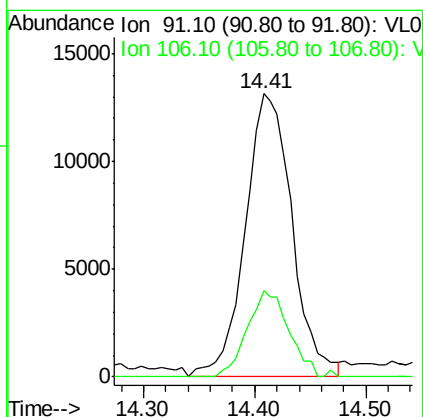
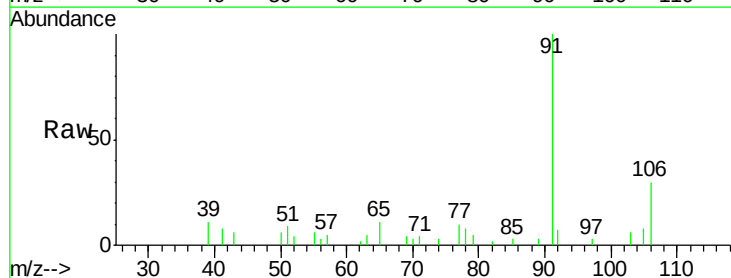
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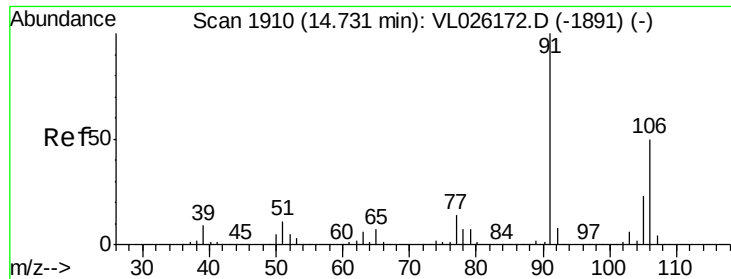
MMdadoda
10/12/2015 1:24:46 PM



#58
Ethyl Benzene
Concen: 0.26 ppbv
RT: 14.41 min Scan# 1857
Delta R.T. -0.02 min
Lab File: VL026193.D
Acq: 10 Oct 2015 2:15

Tgt Ion: 91 Resp: 38409
Ion Ratio Lower Upper
91 100
106 30.3 26.1 39.1





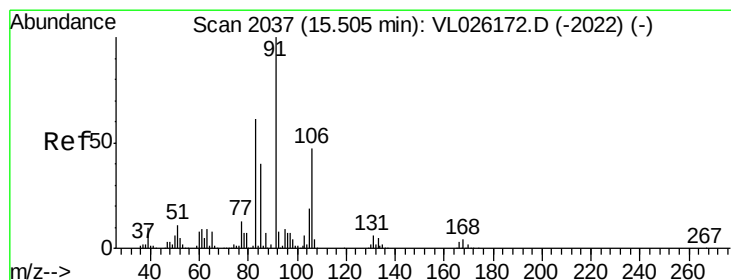
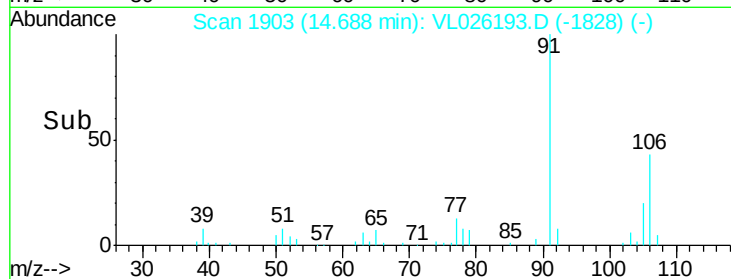
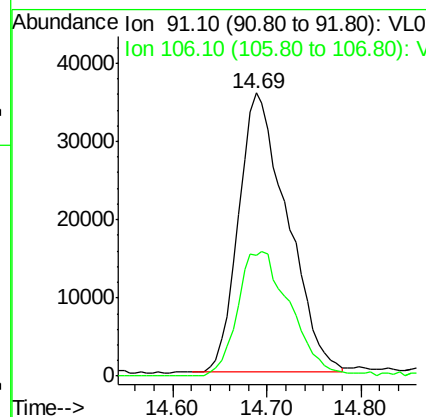
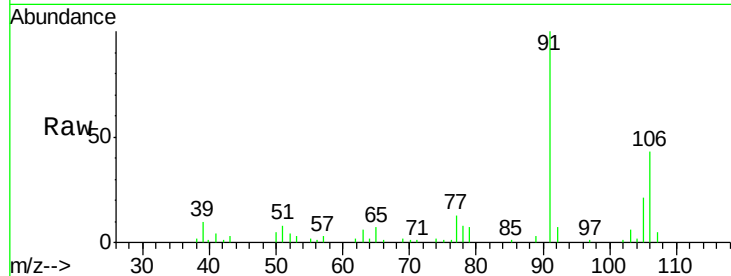
#59
m/p-Xylene
Concen: 1.08 ppbv
RT: 14.69 min Scan# 1903
Delta R.T. -0.04 min
Lab File: VL026193.D
Acq: 10 Oct 2015 2:15

Instrument :
MSVOA_L
ClientSampleId :
SS-4DL

Tot Ion: 91 Resp: 128941
Ion Ratio Lower Upper
91 100
106 48.4 40.2 60.4

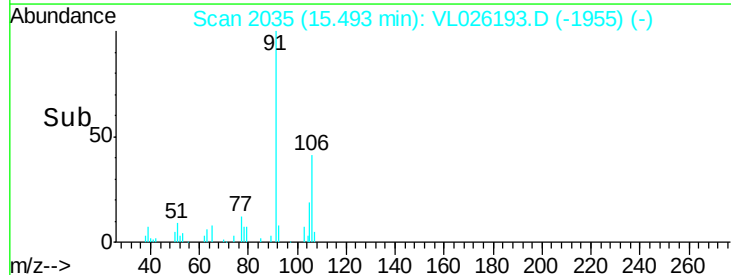
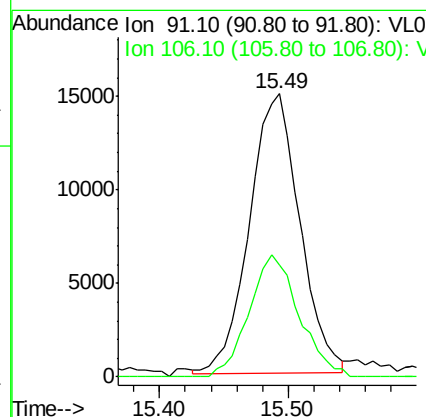
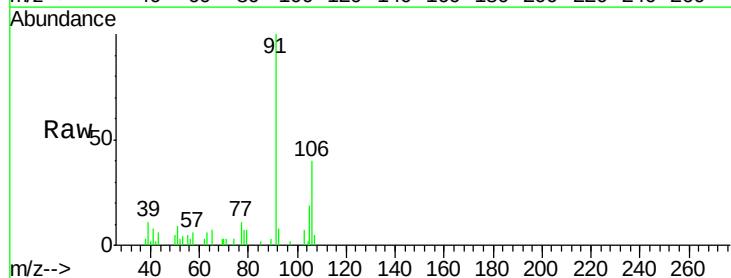
Manual Integrations
APPROVED

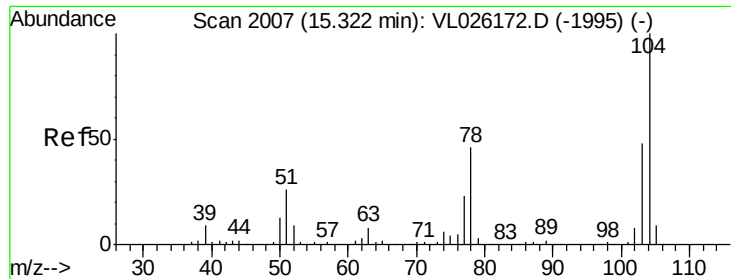
MMdadoda
10/12/2015 1:24:46 PM



#60
o-Xylene
Concen: 0.32 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. -0.01 min
Lab File: VL026193.D
Acq: 10 Oct 2015 2:15

Tgt Ion: 91 Resp: 40504
Ion Ratio Lower Upper
91 100
106 43.3 23.4 70.3





#61

Stvrene

Concen: 0.43 ppbv

RT: 15.31 min Scan# 2005

Delta R.T. -0.01 min

Lab File: VL026193.D

Acq: 10 Oct 2015 2:15

Instrument :

MSVOA_L

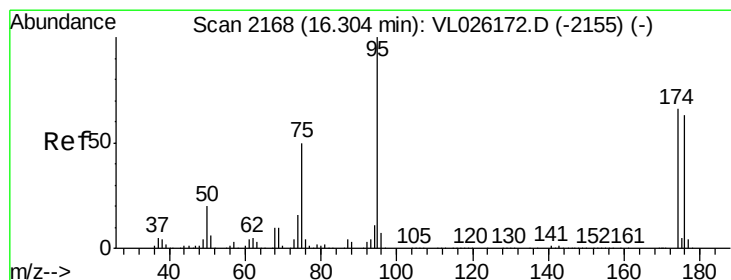
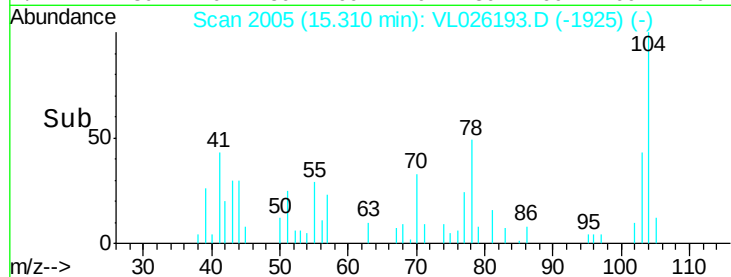
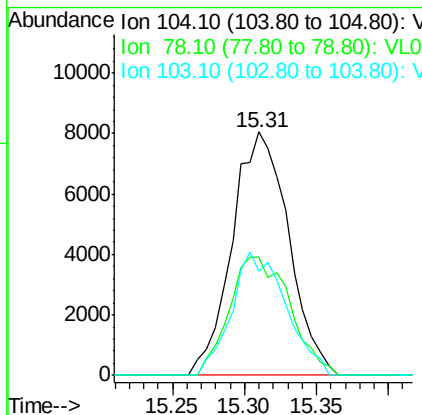
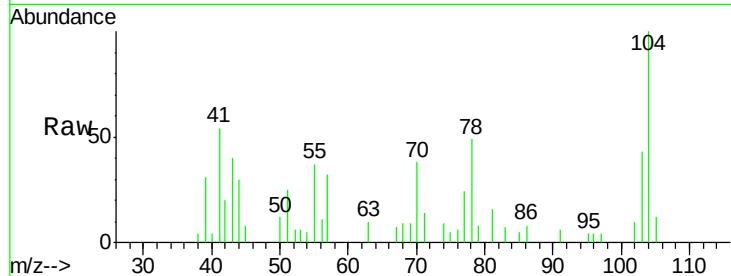
ClientSampleId :

SS-4DL

Tot Ion:	104	Resp:	21933
Ion Ratio	Lower	Upper	
104	100		
78	52.5	36.1	54.1
103	48.6	37.5	56.3

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.42 ppbv

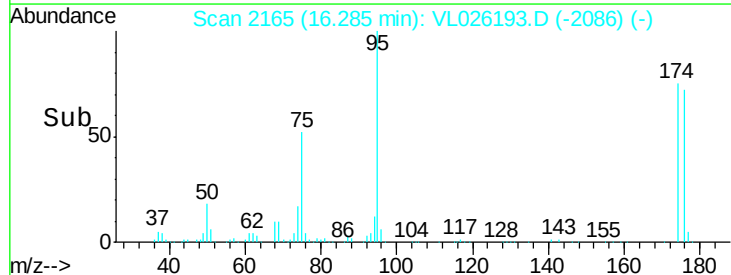
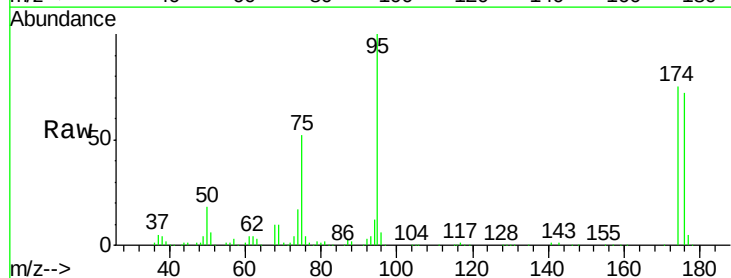
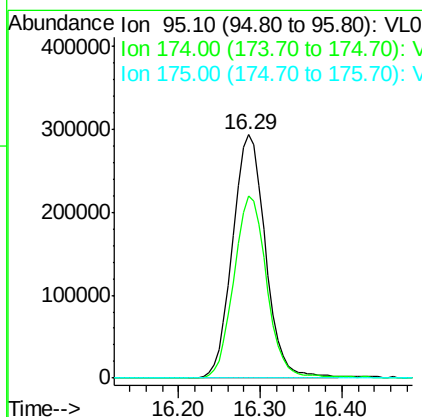
RT: 16.29 min Scan# 2165

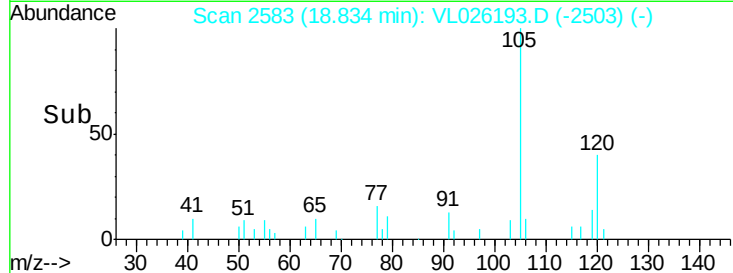
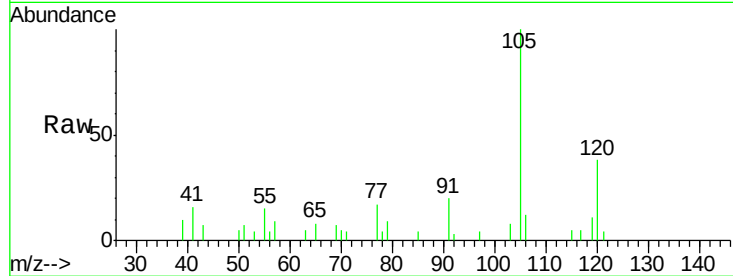
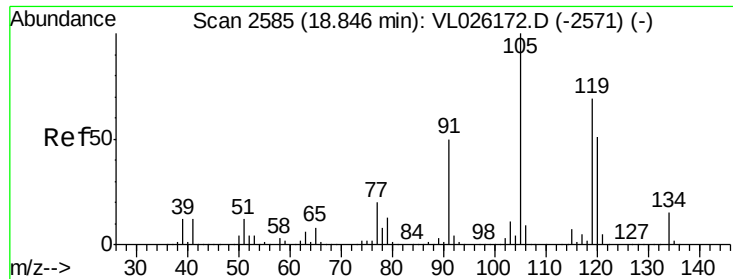
Delta R.T. -0.02 min

Lab File: VL026193.D

Acq: 10 Oct 2015 2:15

Tgt Ion:	95	Resp:	819544
Ion Ratio	Lower	Upper	
95	100		
174	75.5	52.2	78.4
175	0.0	3.9	5.9#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.18 ppbv
 RT: 18.83 min Scan# 2583
 Delta R.T. -0.01 min
 Lab File: VL026193.D
 Acq: 10 Oct 2015 2:15

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4DL

Tot Ion:	105	Resp:	24225
Ion Ratio		Lower	Upper
105	100		
120	37.8	41.1	61.7#
91	13.3	39.8	59.6#
77	16.6	16.3	24.5

Manual Integrations
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MMdadoda
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