

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022820\
 Data File : VL034752.D
 Acq On : 29 Feb 2020 1:07
 Operator : SY/AP
 Sample : L1661-09DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-9-TROPHY-CASEDL

Manual Integrations
 APPROVED

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 3/2/2020 1:02:15 PM

Quant Time: Mar 02 12:26:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1007300	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2134000	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2089760	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1750537	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	224523	15.641	ppbv	97
15) Acetone	3.83	43	244711	2.132	ppbv	98
17) tert-Butyl alcohol	4.29	59	56199m	0.639	ppbv	
19) Isopropyl Alcohol	3.95	45	448697	6.563	ppbv	100
38) Trichloroethene	7.84	130	37053m	0.522	ppbv	
53) Toluene	9.83	91	115673	0.590	ppbv	98

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

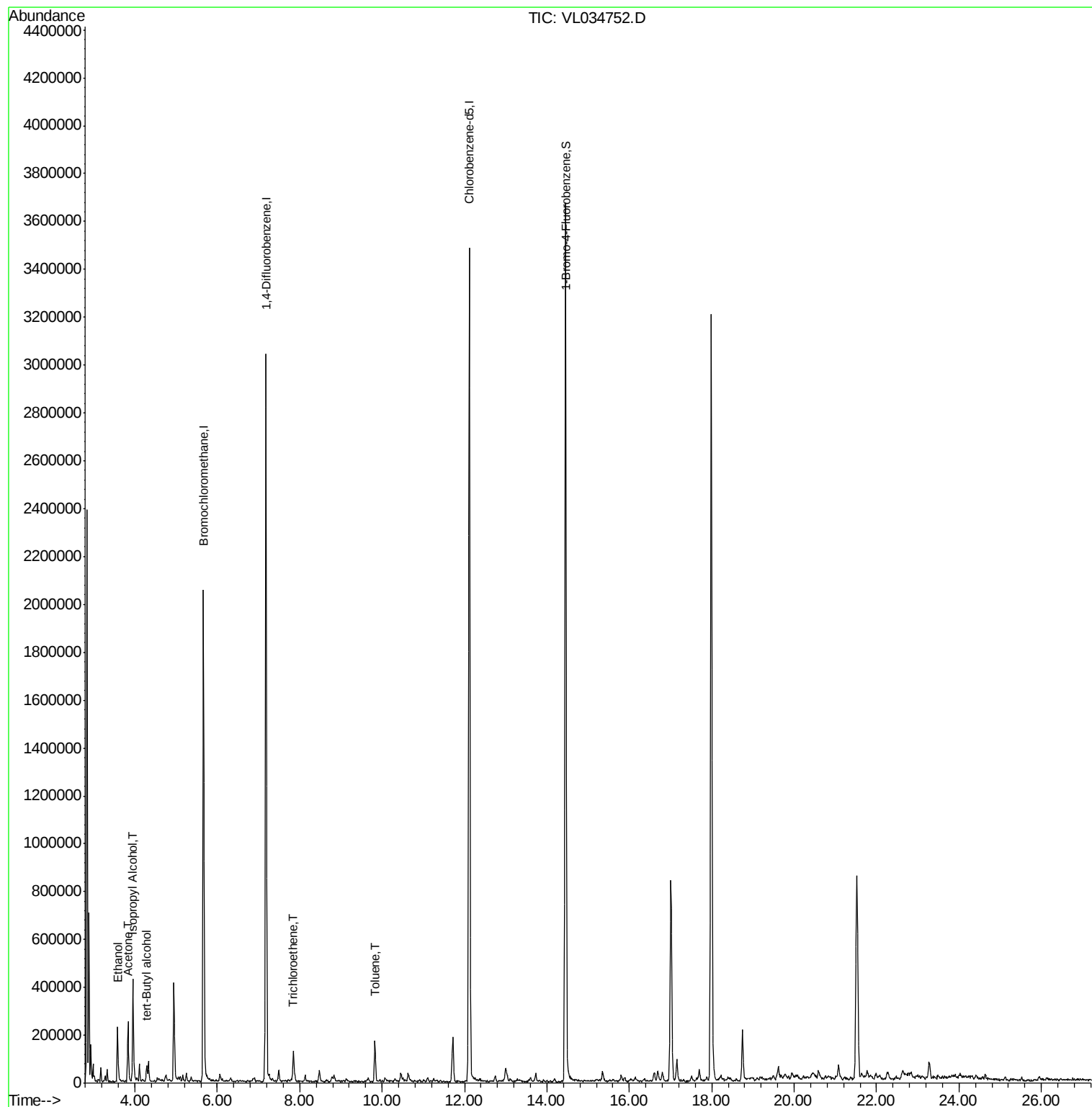
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022820\
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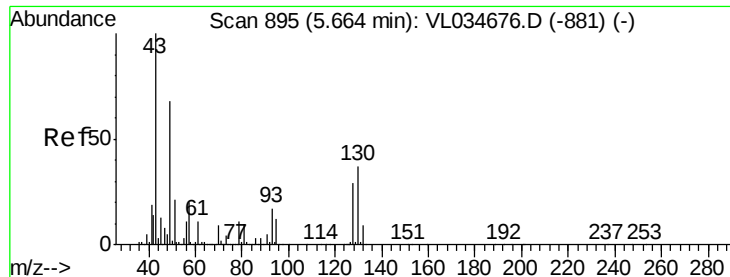
Instrument :
MSVOA_L
ClientSampleId :
SG-9-TROPHY-CASEDL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
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QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL034752.D

Acq: 29 Feb 2020 1:07

Instrument :

MSVOA_L

ClientSampleId :

SG-9-TROPHY-CASEDL

Tot Ion: 49 Resp: 1007300

Ion Ratio Lower Upper

49 100

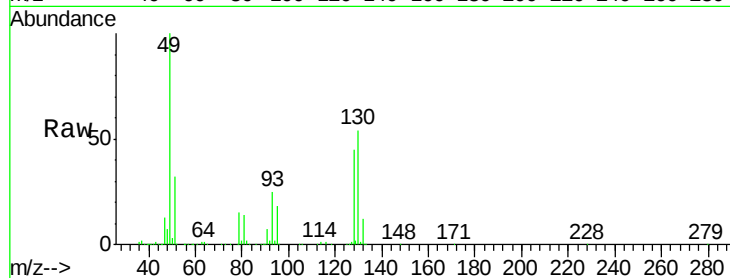
128 44.8 21.6 65.0

130 56.9 27.7 83.1

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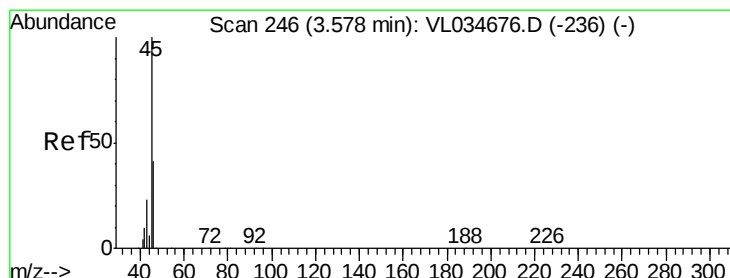
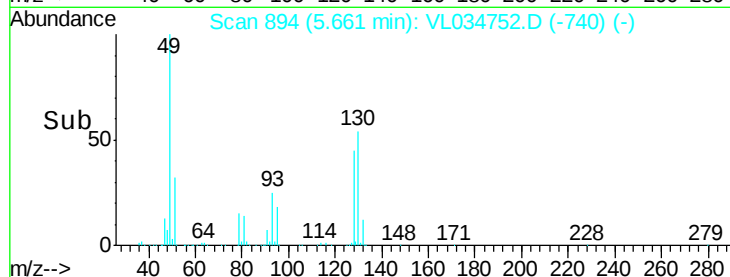
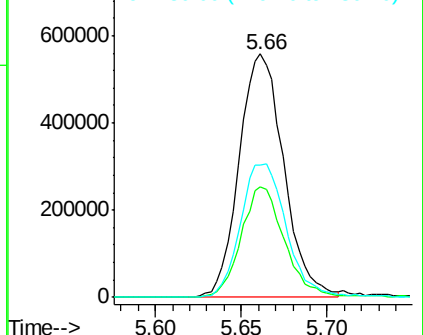
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 15.641 ppbv

RT: 3.58 min Scan# 246

Delta R.T. -0.00 min

Lab File: VL034752.D

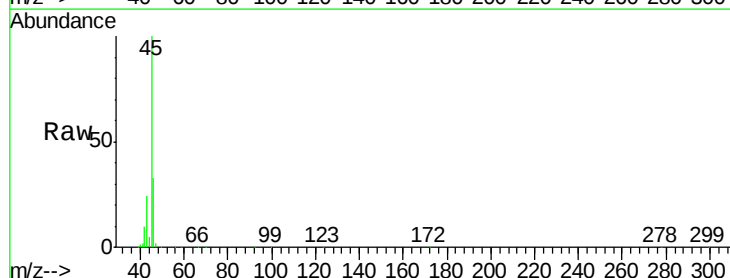
Acq: 29 Feb 2020 1:07

Tgt Ion: 45 Resp: 224523

Ion Ratio Lower Upper

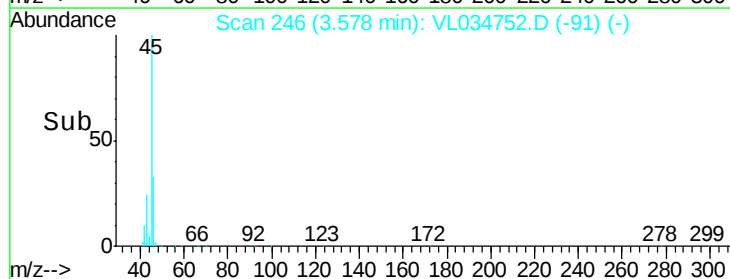
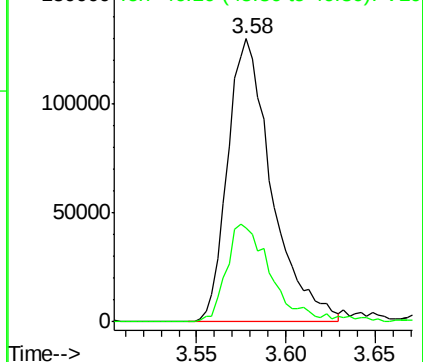
45 100

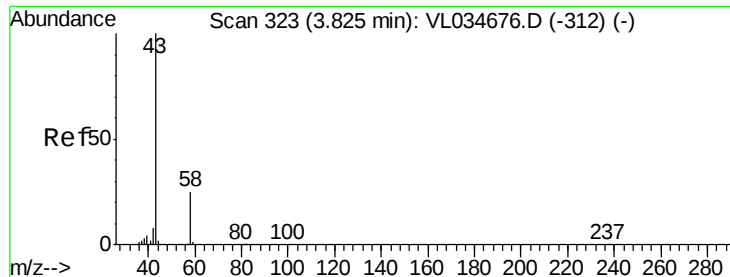
46 36.3 15.4 61.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 2.132 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL034752.D

Acq: 29 Feb 2020 1:07

Instrument :

MSVOA_L

ClientSampleId :

SG-9-TROPHY-CASEDL

Tot Ion: 43 Resp: 244711

Ion Ratio Lower Upper

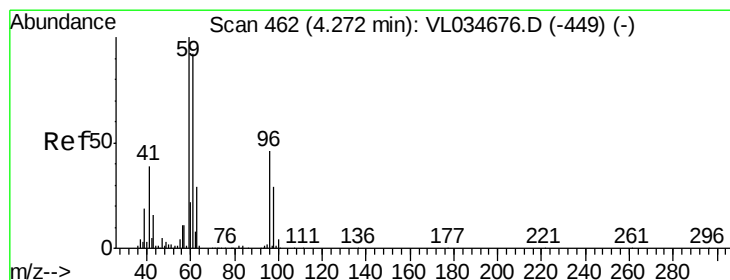
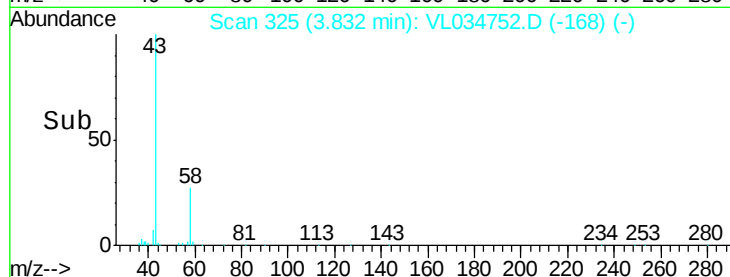
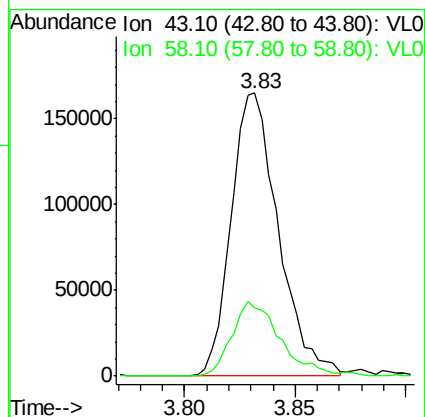
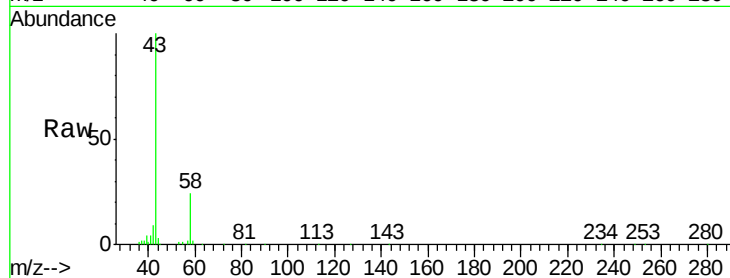
43 100

58 27.7 21.4 32.0

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#17

tert-Butyl alcohol

Concen: 0.639 ppbv m

RT: 4.29 min Scan# 466

Delta R.T. 0.01 min

Lab File: VL034752.D

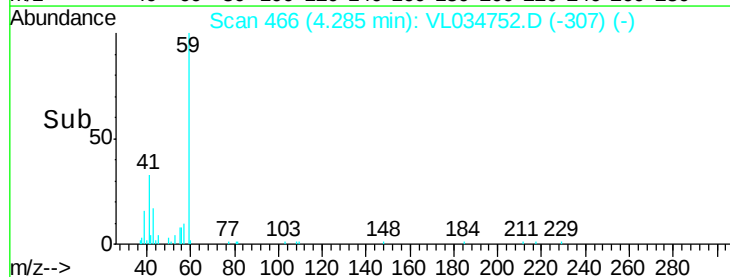
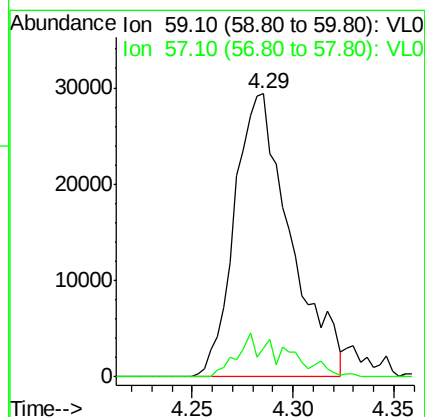
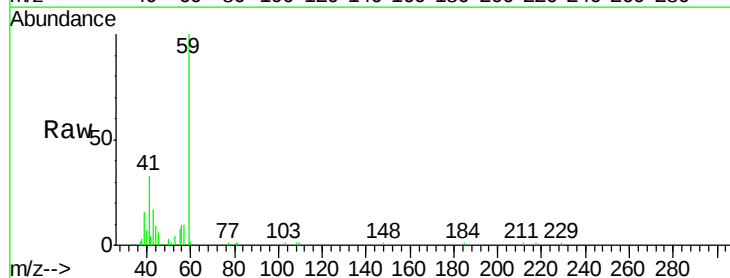
Acq: 29 Feb 2020 1:07

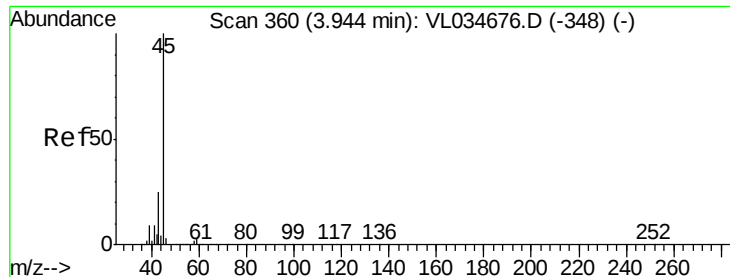
Tgt Ion: 59 Resp: 56199

Ion Ratio Lower Upper

59 100

57 13.3 8.8 13.2#





#19

Isopropyl Alcohol

Concen: 6.563 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL034752.D

Acq: 29 Feb 2020 1:07

Instrument :

MSVOA_L

ClientSampleId :

SG-9-TROPHY-CASEDL

Tot Ion: 45 Resp: 448697

Ion Ratio Lower Upper

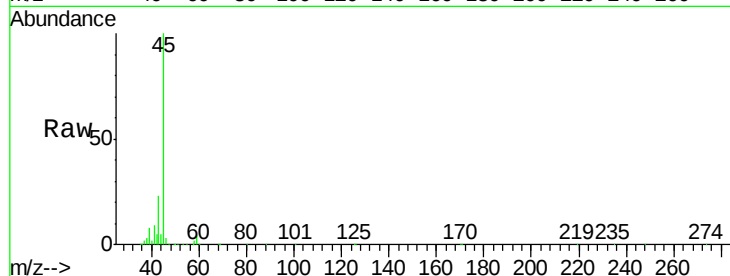
45 100

58 2.2 1.8 2.6

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

300000

250000

200000

150000

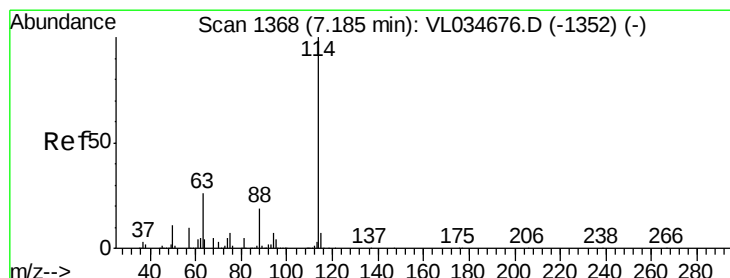
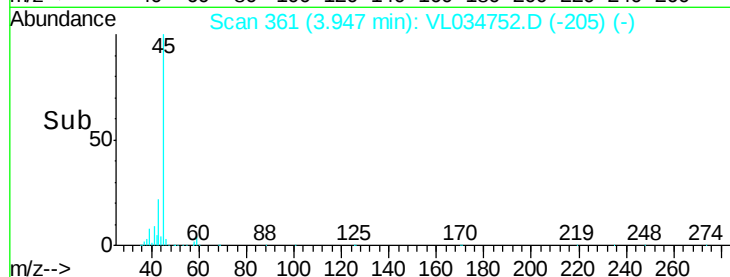
100000

50000

0

3.90 3.95 4.00 4.05

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VL034752.D

Acq: 29 Feb 2020 1:07

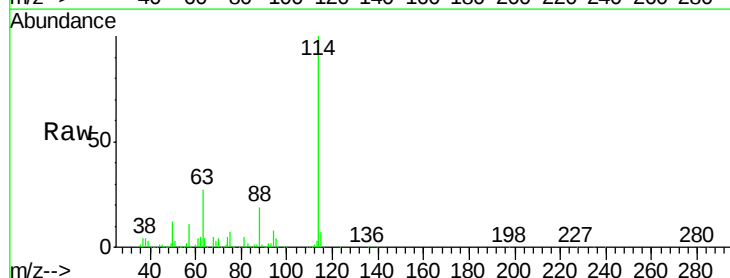
Tgt Ion: 114 Resp: 2134000

Ion Ratio Lower Upper

114 100

63 27.6 22.9 34.3

88 19.7 15.8 23.6



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

1500000

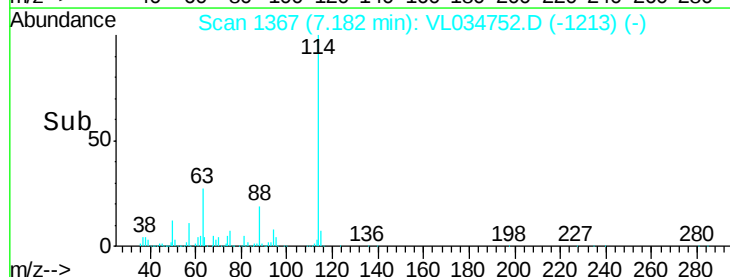
1000000

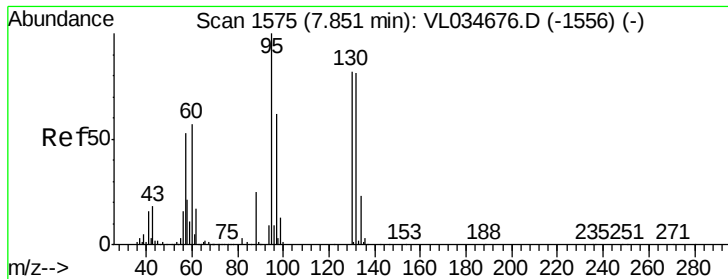
500000

0

7.10 7.15 7.20 7.25

Time-->





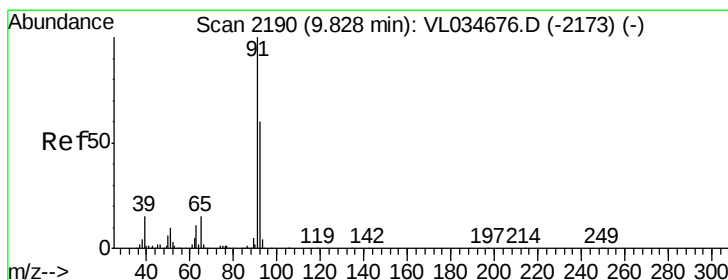
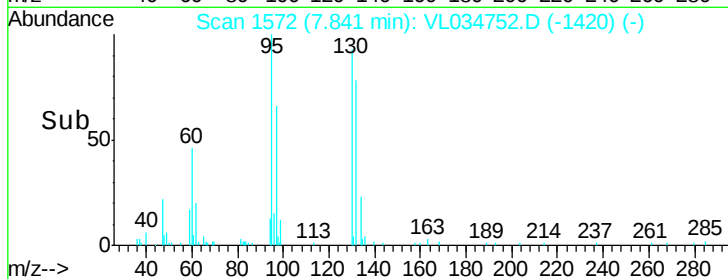
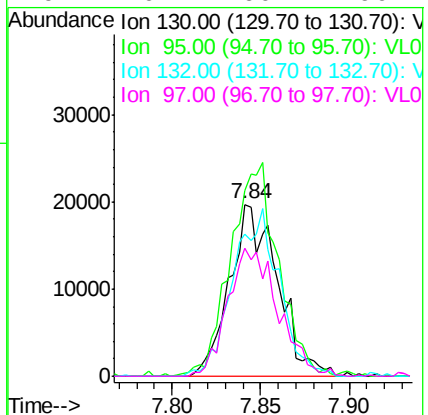
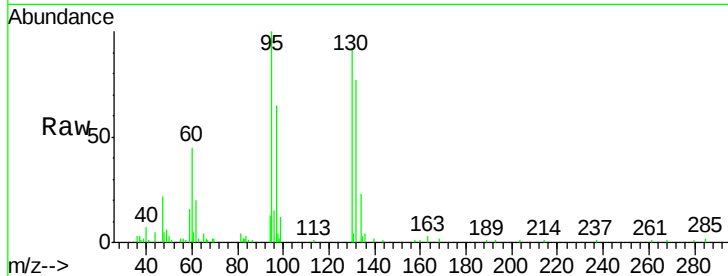
#38
 Trichloroethene
 Concen: 0.522 ppbv m
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL034752.D
 Acq: 29 Feb 2020 1:07

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-9-TROPHY-CASEDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		37053		
95	108.3		97.1	145.7	
132	83.1		78.3	117.5	
97	70.2		60.1	90.1	

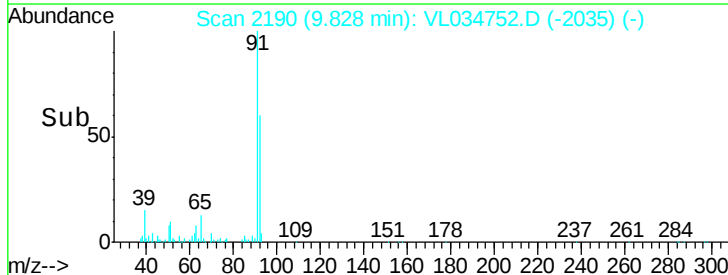
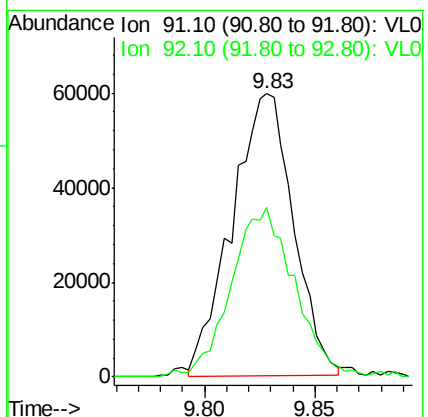
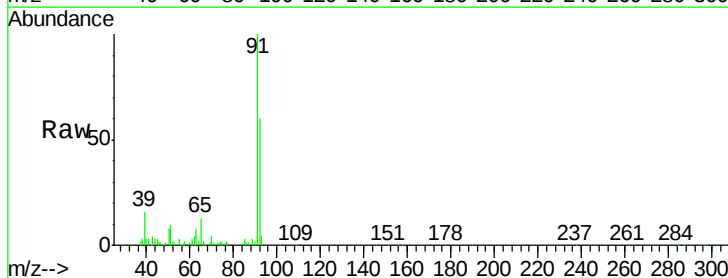
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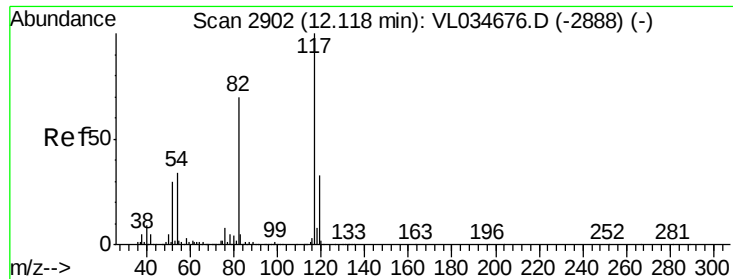
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#53
 Toluene
 Concen: 0.590 ppbv
 RT: 9.83 min Scan# 2190
 Delta R.T. -0.00 min
 Lab File: VL034752.D
 Acq: 29 Feb 2020 1:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		115673		
92	62.1		48.5	72.7	





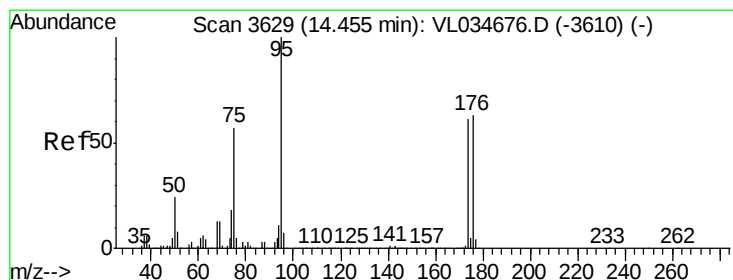
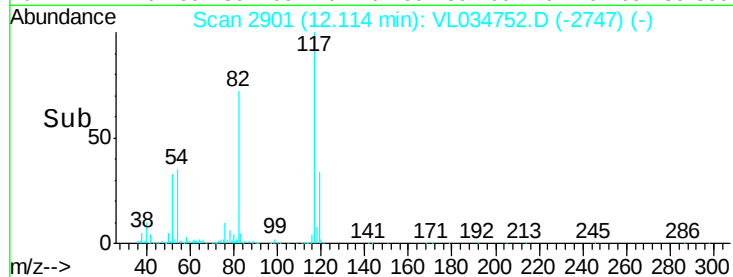
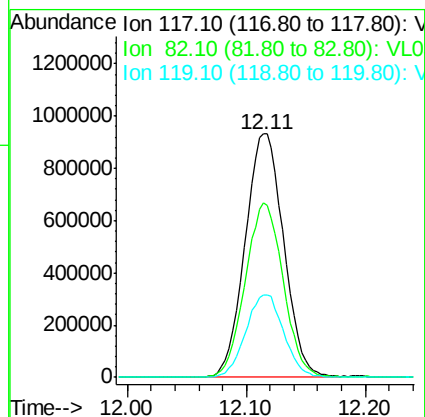
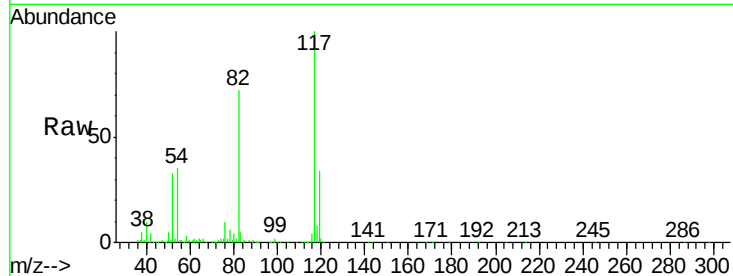
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034752.D
Acq: 29 Feb 2020 1:07

Instrument :
MSVOA_L
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SG-9-TROPHY-CASEDL

Tot Ion:117 Resp: 2089760
Ion Ratio Lower Upper
117 100
82 70.8 54.1 81.1
119 33.4 27.6 41.4

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.216 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.00 min
Lab File: VL034752.D
Acq: 29 Feb 2020 1:07

Tgt Ion: 95 Resp: 1750537
Ion Ratio Lower Upper
95 100
174 64.8 50.7 76.1
175 5.0 3.9 5.9

