

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034725.D
 Acq On : 28 Feb 2020 1:55
 Operator : SY/AP
 Sample : L1661-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3-CAFETERIADL

Manual Integrations
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 2/28/2020 12:33:37 PM

Quant Time: Feb 28 12:30:05 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	1145149	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2378789	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2356110	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1932918	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	31092	0.172	ppbv	100
13) Ethanol	3.58	45	252161	15.452	ppbv	97
15) Acetone	3.84	43	195738	1.500	ppbv	96
17) tert-Butyl alcohol	4.29	59	34772m	0.348	ppbv	
19) Isopropyl Alcohol	3.95	45	338685	4.357	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	11291m	0.108	ppbv	
38) Trichloroethene	7.84	130	46852m	0.592	ppbv	
53) Toluene	9.83	91	63905m	0.292	ppbv	
59) m/p-Xylene	13.00	91	38846m	0.156	ppbv	

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

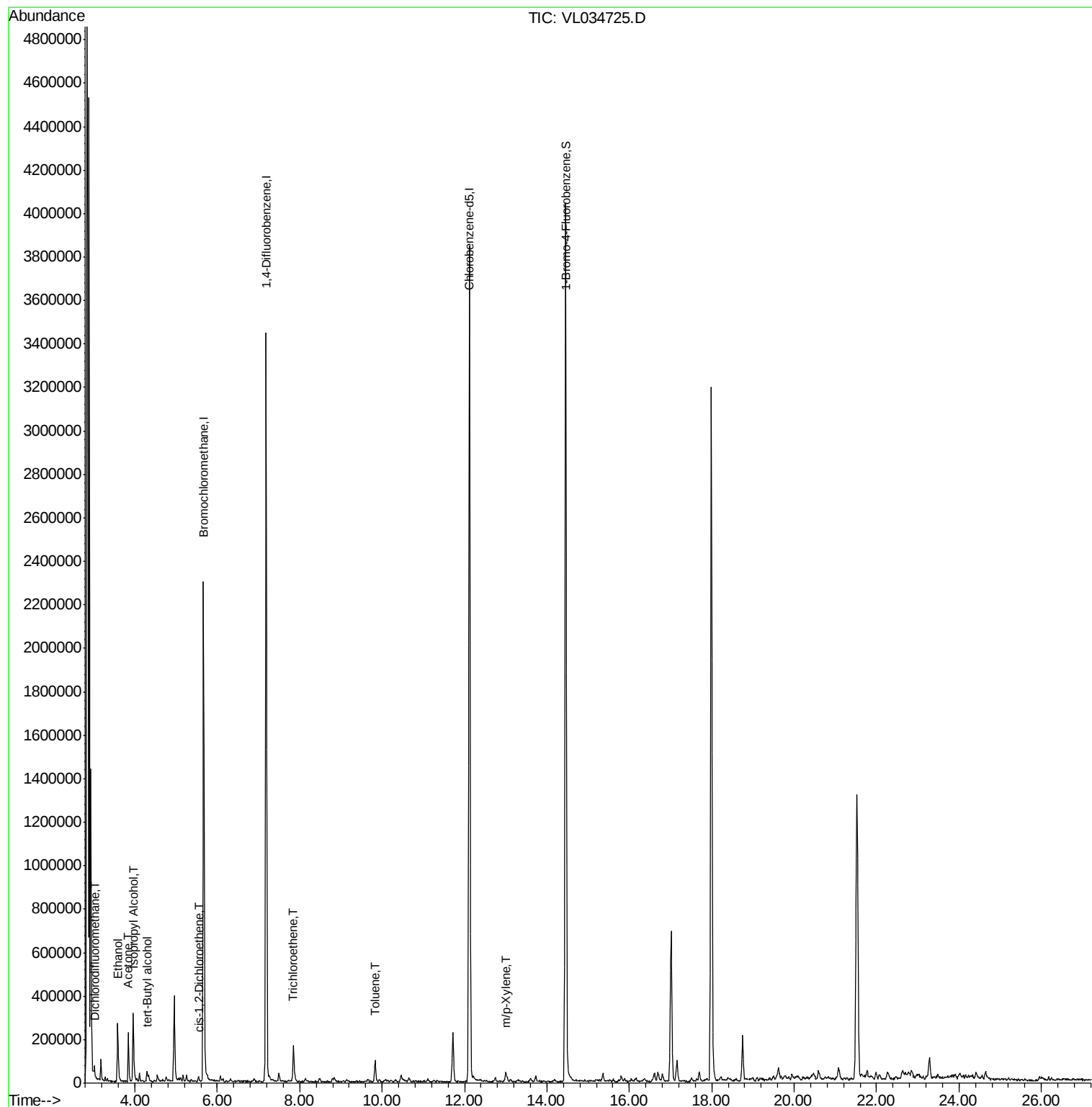
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022720\
Data File : VL034725.D
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Operator : SY/AP
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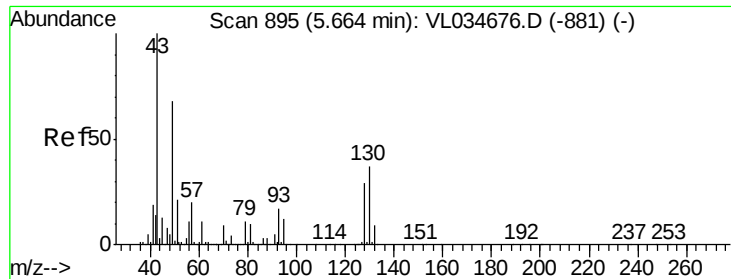
Instrument :
MSVOA_L
ClientSampleId :
SG-3-CAFETERIADL

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Quant Time: Feb 28 12:30:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL034725.D

Acq: 28 Feb 2020 1:55

Instrument :

MSVOA_L

ClientSampleId :

SG-3-CAFETERIADL

Tot Ion: 49 Resp: 1145149

Ion Ratio Lower Upper

49 100

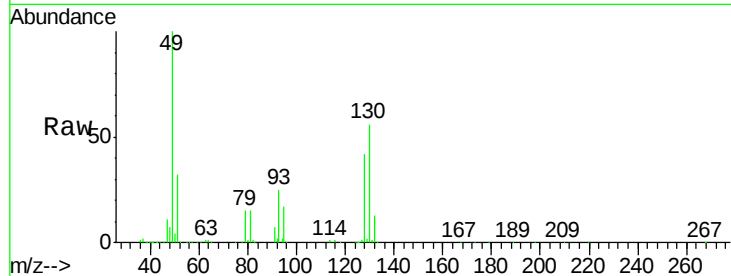
128 43.3 21.6 65.0

130 56.3 27.7 83.1

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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

800000

600000

400000

200000

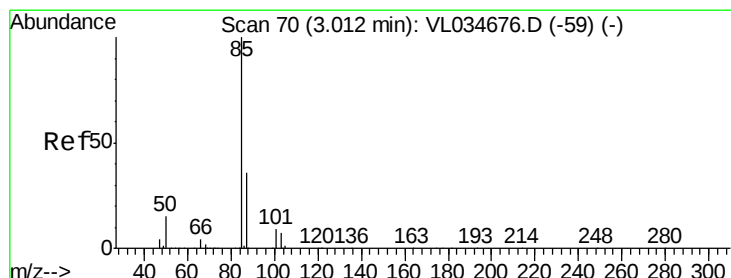
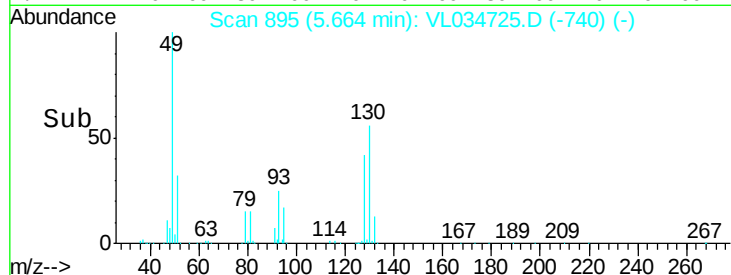
0

5.60

5.66

5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.172 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL034725.D

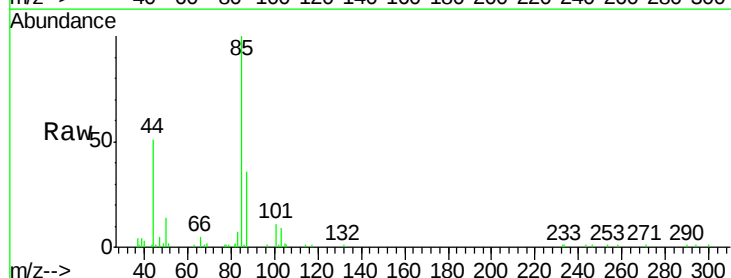
Acq: 28 Feb 2020 1:55

Tgt Ion: 85 Resp: 31092

Ion Ratio Lower Upper

85 100

87 36.4 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

30000

20000

10000

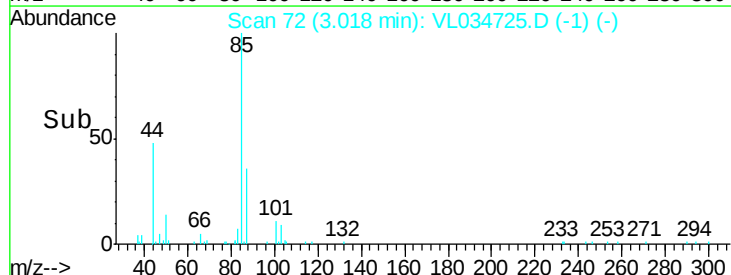
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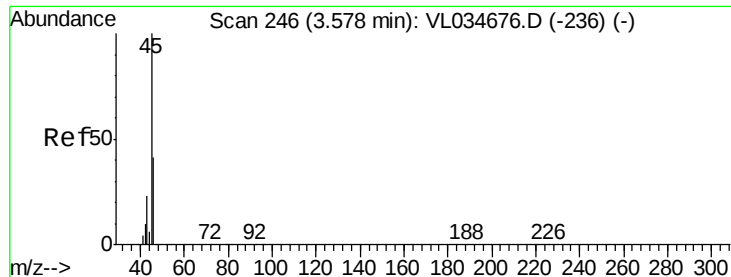
3.00

3.02

3.05

Time-->





#13

Ethanol

Concen: 15.452 ppbv

RT: 3.58 min Scan# 247

Delta R.T. 0.00 min

Lab File: VL034725.D

Acq: 28 Feb 2020 1:55

Instrument :

MSVOA_L

ClientSampleId :

SG-3-CAFETERIADL

Tot Ion: 45 Resp: 252161

Ion Ratio Lower Upper

45 100

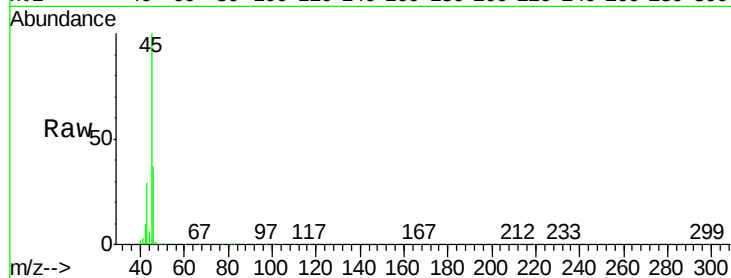
46 36.8 15.4 61.4

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

150000

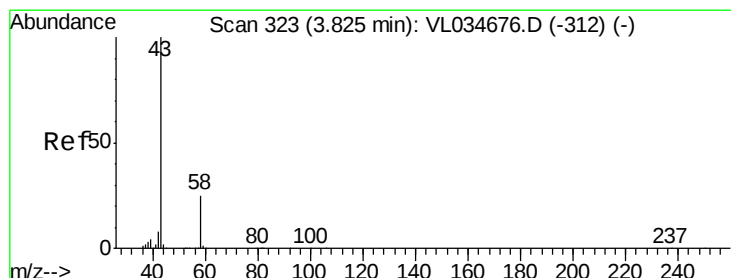
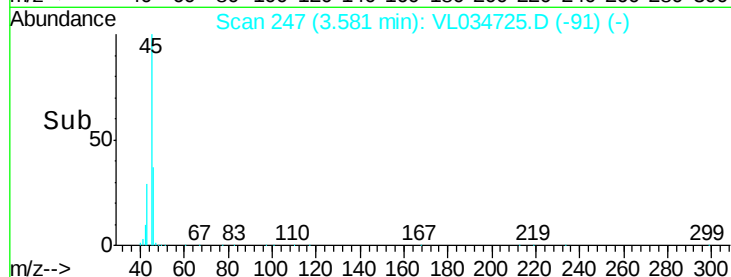
100000

50000

0

3.55 3.60 3.65

Time-->



#15

Acetone

Concen: 1.500 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034725.D

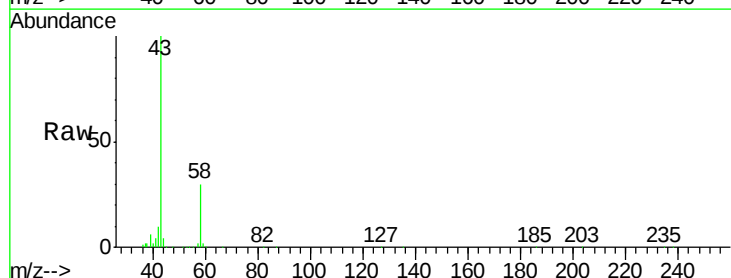
Acq: 28 Feb 2020 1:55

Tgt Ion: 43 Resp: 195738

Ion Ratio Lower Upper

43 100

58 28.7 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

150000

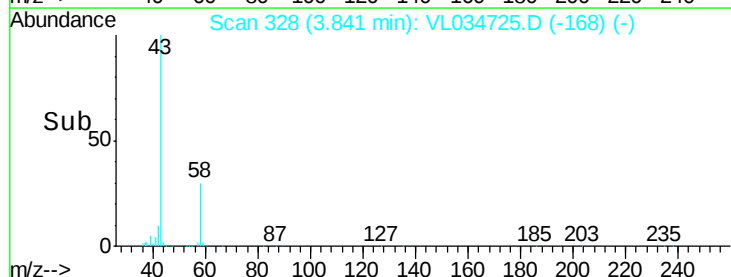
100000

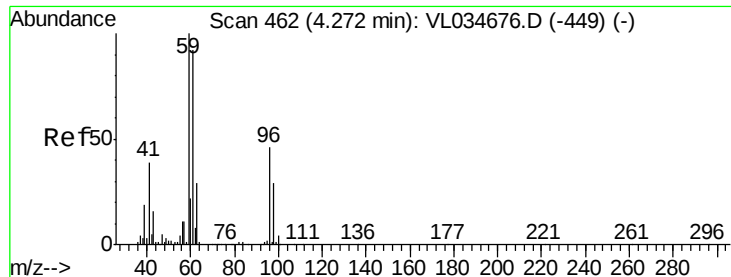
50000

0

3.80 3.85 3.90

Time-->





#17

tert-Butyl alcohol

Concen: 0.348 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.02 min

Lab File: VL034725.D

Acq: 28 Feb 2020 1:55

Instrument :

MSVOA_L

ClientSampleId :

SG-3-CAFETERIADL

Tot Ion: 59 Resp: 34772

Ion Ratio Lower Upper

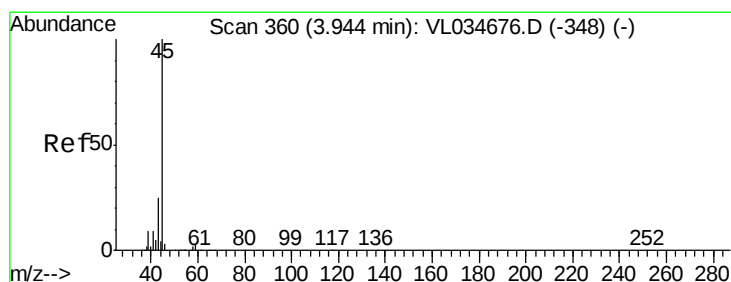
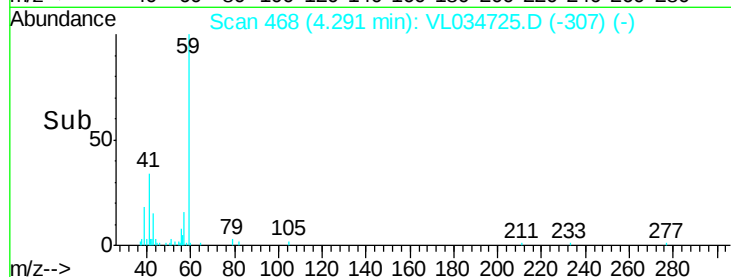
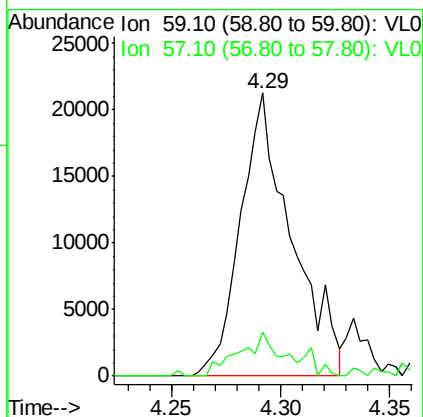
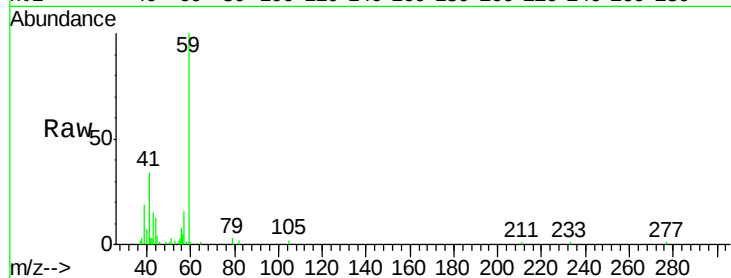
59 100

57 15.6 8.8 13.2#

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#19

Isopropyl Alcohol

Concen: 4.357 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL034725.D

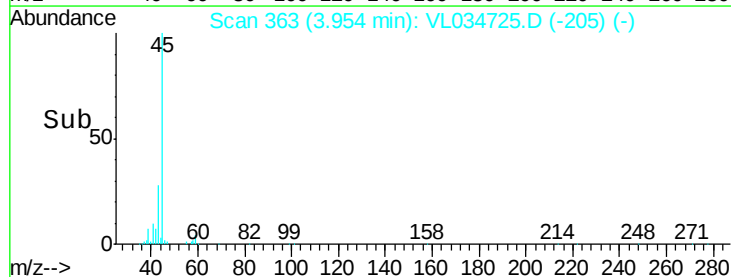
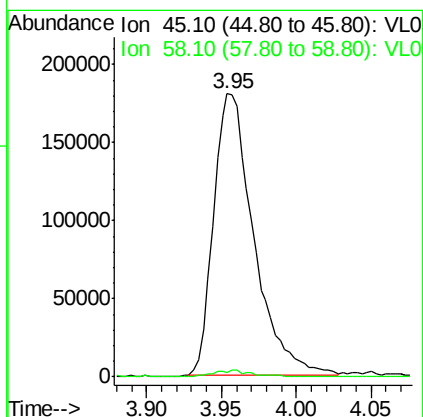
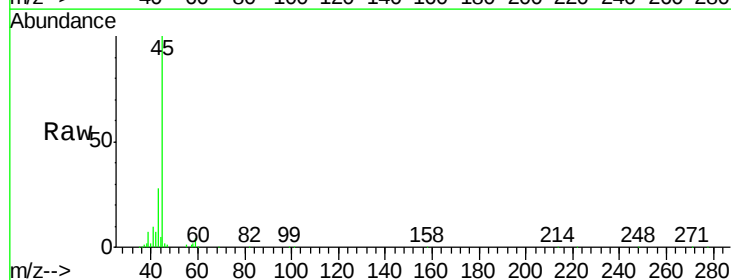
Acq: 28 Feb 2020 1:55

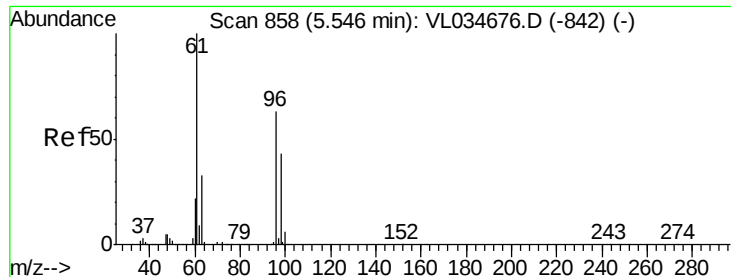
Tgt Ion: 45 Resp: 338685

Ion Ratio Lower Upper

45 100

58 2.3 1.8 2.6





#31

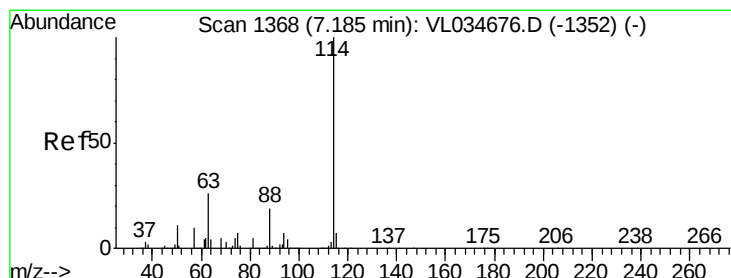
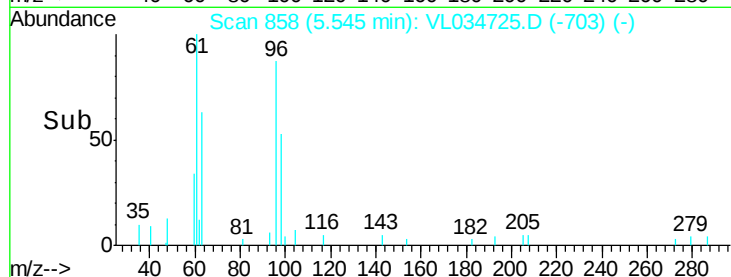
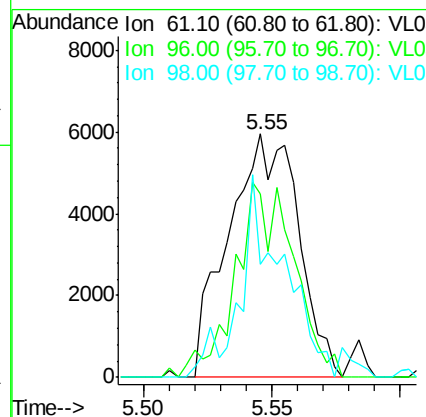
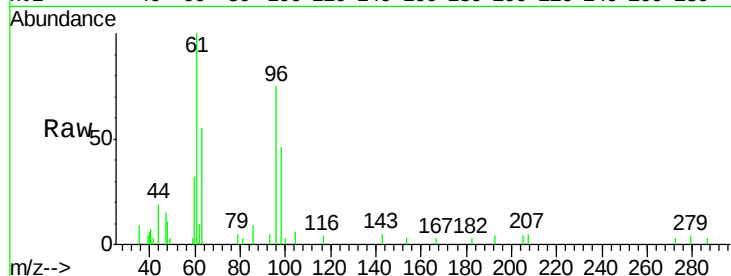
cis-1,2-Dichloroethene
Concen: 0.108 ppbv m
RT: 5.55 min Scan# 858
Delta R.T. -0.00 min
Lab File: VL034725.D
Acq: 28 Feb 2020 1:55

Instrument :
MSVOA_L
ClientSampleId :
SG-3-CAFETERIADL

Tot Ion	Ratio	Lower	Upper
61	100		
96	75.4	50.2	75.2#
98	46.2	34.3	51.5

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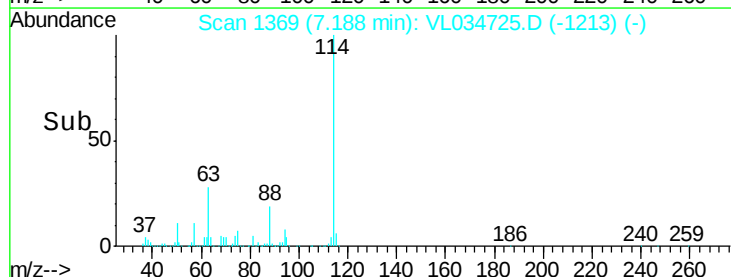
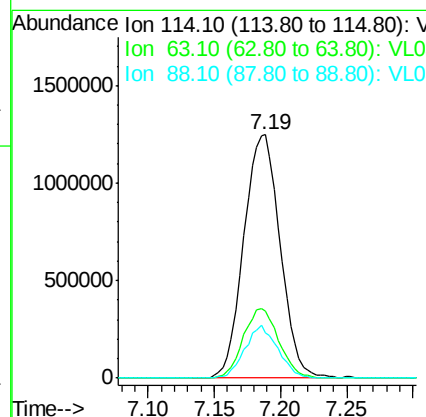
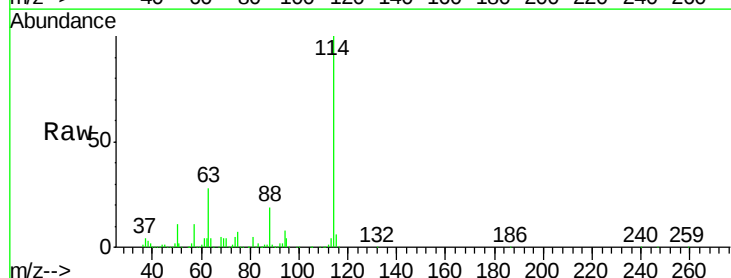
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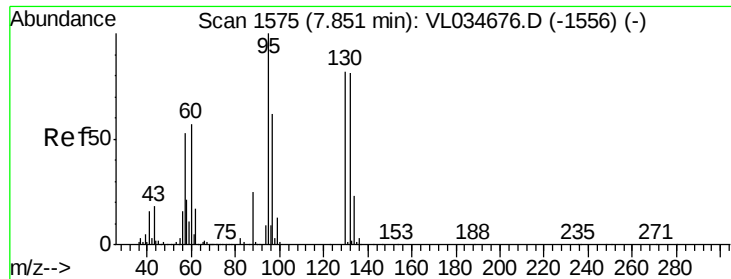


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL034725.D
Acq: 28 Feb 2020 1:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.9	34.3
88	19.8	15.8	23.6





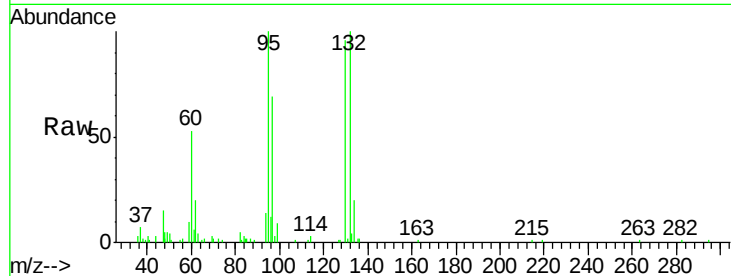
#38
 Trichloroethene
 Concen: 0.592 ppbv m
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VL034725.D
 Acq: 28 Feb 2020 1:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3-CAFETERIADL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		46852		
95	104.7	97.1	145.7		
132	104.4	78.3	117.5		
97	72.4	60.1	90.1		

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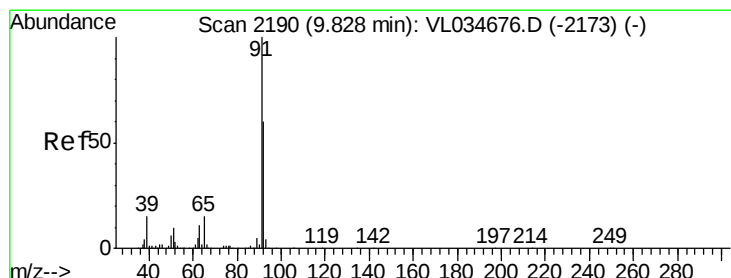
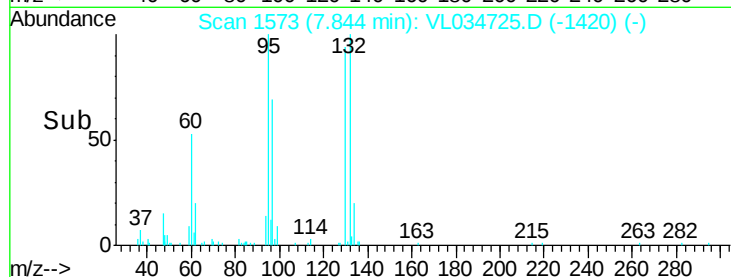
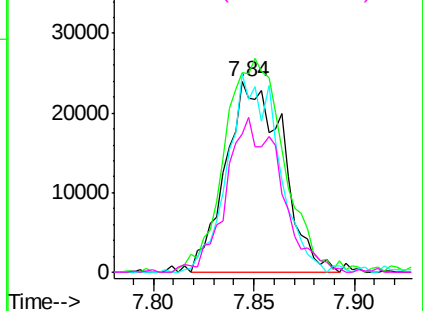


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

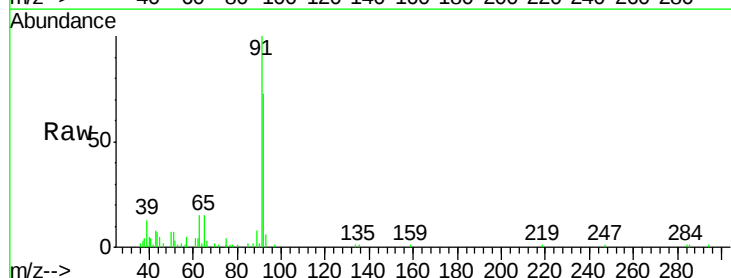
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



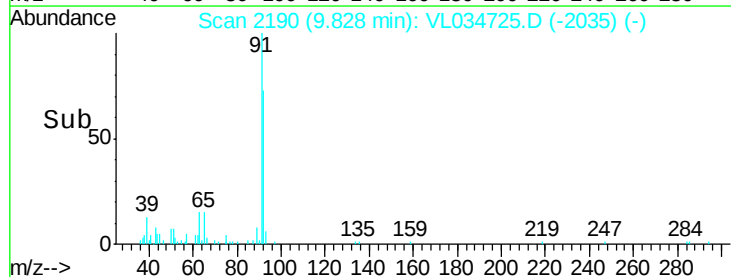
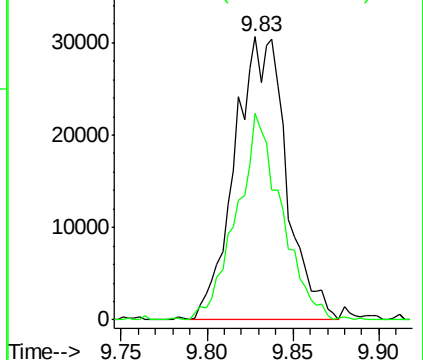
#53
 Toluene
 Concen: 0.292 ppbv m
 RT: 9.83 min Scan# 2190
 Delta R.T. -0.00 min
 Lab File: VL034725.D
 Acq: 28 Feb 2020 1:55

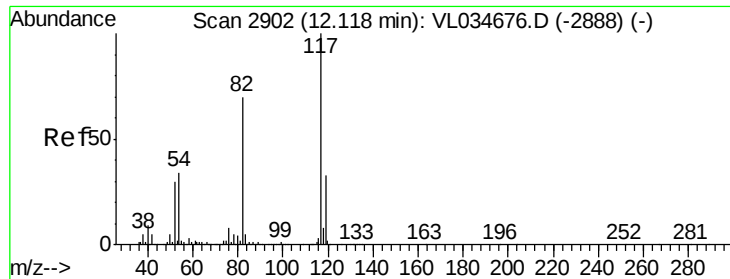
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		63905		
92	63.7	48.5	72.7		



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





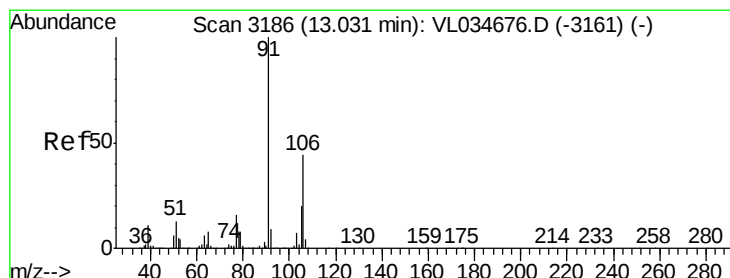
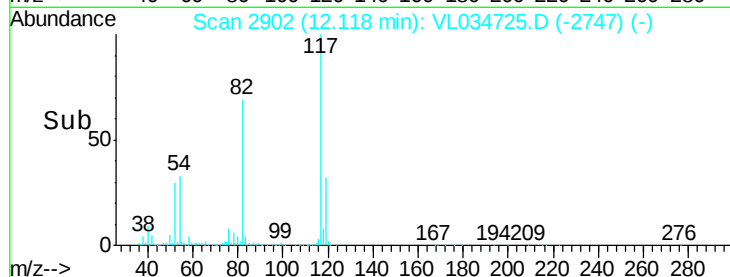
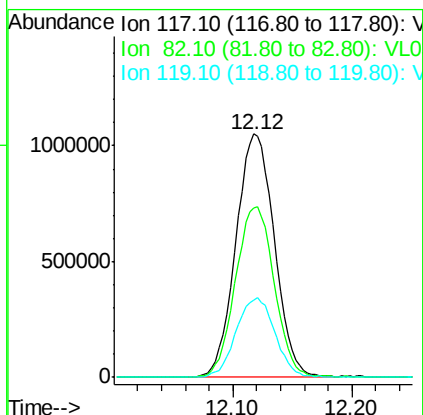
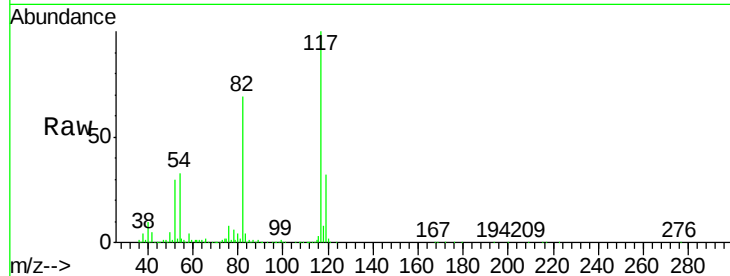
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL034725.D
Acq: 28 Feb 2020 1:55

Instrument :
MSVOA_L
ClientSampleId :
SG-3-CAFETERIADL

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.9	54.1	81.1
119	33.0	27.6	41.4

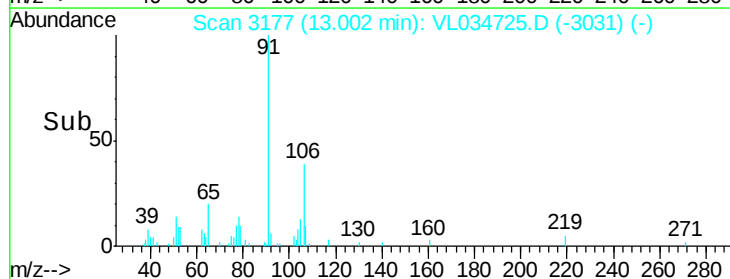
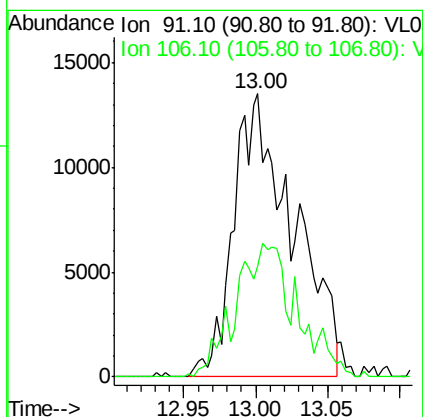
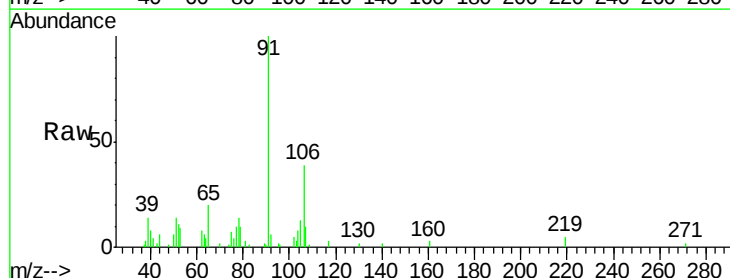
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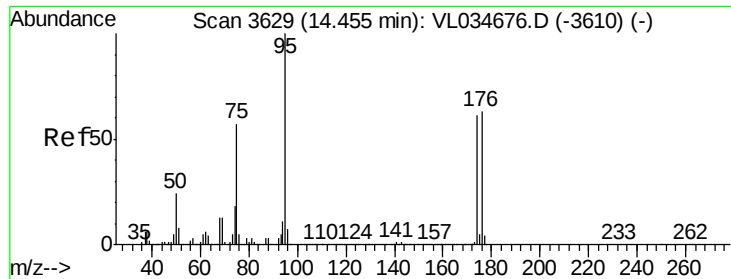
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#59
m/p-Xylene
Concen: 0.156 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. -0.03 min
Lab File: VL034725.D
Acq: 28 Feb 2020 1:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.005 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. -0.00 min
 Lab File: VL034725.D
 Acq: 28 Feb 2020 1:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3-CAFETERIADL

Tot Ion	Ratio	Lower	Upper
95	100		
174	66.0	50.7	76.1
175	5.0	3.9	5.9

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