

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035635.D
 Acq On : 16 Sep 2020 19:06
 Operator : SY/AP
 Sample : L4026-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TRC-AA-01

Manual Integrations
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 9/17/2020 1:52:38 PM

Quant Time: Sep 17 10:40:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1020568	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4098533	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4119764	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3088996	10.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	59072	0.334	ppbv	97
3) Chlorodifluoromethane	2.98	51	49709m	0.440	ppbv	
4) Chloromethane	3.13	50	31583	0.522	ppbv	93
9) Propene	3.01	41	18870m	0.434	ppbv	
11) Trichlorofluoromethane	3.94	101	68807	0.267	ppbv	89
13) Ethanol	3.60	45	284023	26.325	ppbv	97
15) Acetone	3.84	43	457099	4.061	ppbv	95
19) Isopropyl Alcohol	3.97	45	59602	0.888	ppbv #	1
20) Methylene Chloride	4.34	84	611159	7.290	ppbv	95
26) Hexane	5.68	57	200508	1.780	ppbv #	50
34) 2-Butanone	5.25	43	44516	0.366	ppbv	96
35) Carbon Tetrachloride	7.01	117	14707m	0.071	ppbv	
36) Benzene	6.89	78	28964	0.109	ppbv #	94
53) Toluene	9.81	91	106923	0.320	ppbv	98
59) m/p-Xylene	12.98	91	35721m	0.101	ppbv	

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

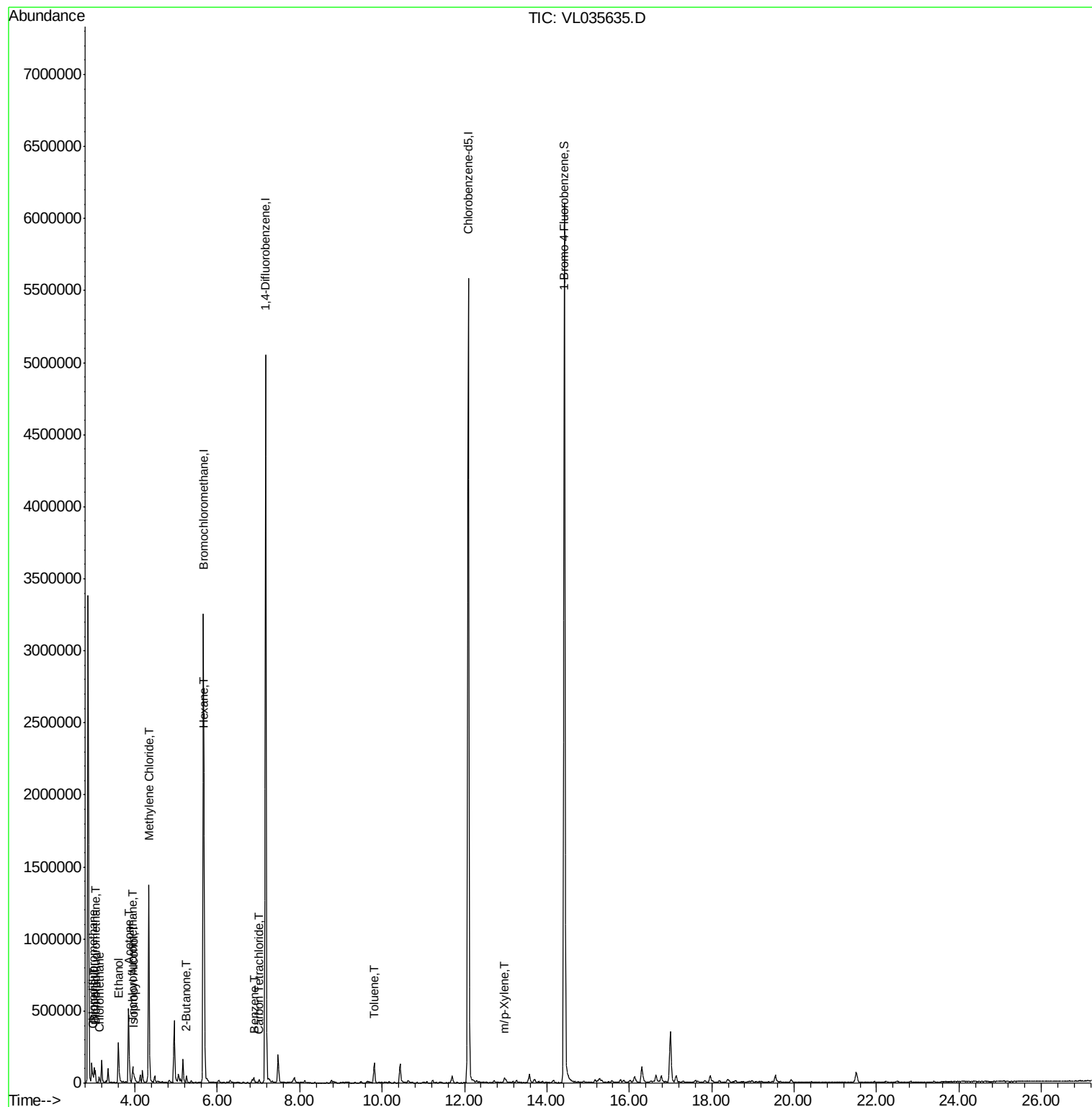
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091620\
Data File : VL035635.D
Acq On : 16 Sep 2020 19:06
Operator : SY/AP
Sample : L4026-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

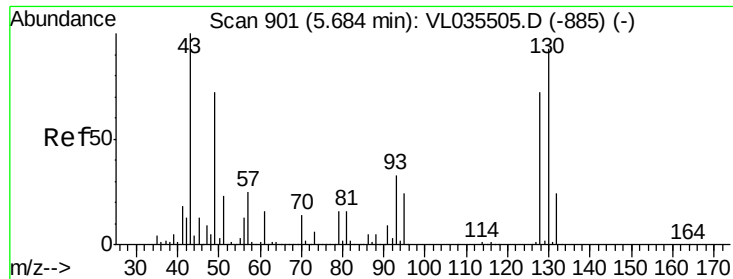
Instrument :
MSVOA_L
ClientSampleId :
TRC-AA-01

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Quant Time: Sep 17 10:40:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 14 15:19:50 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: VL035635.D

Acq: 16 Sep 2020 19:06

Instrument :

MSVOA_L

ClientSampleId :

TRC-AA-01

Tot Ion: 49 Resp: 1020568

Ion Ratio Lower Upper

49 100

128 89.3 50.0 150.1

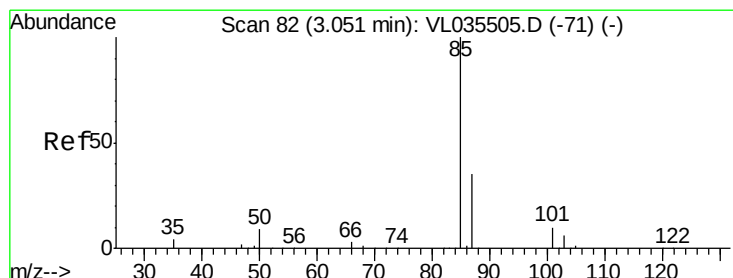
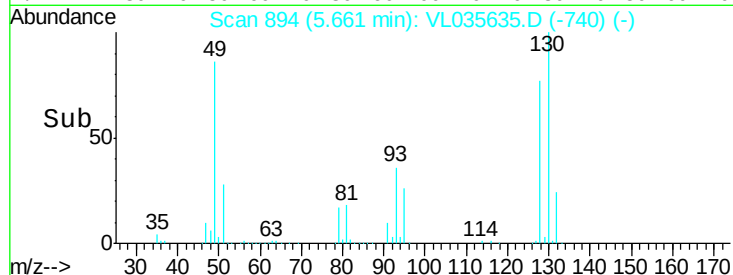
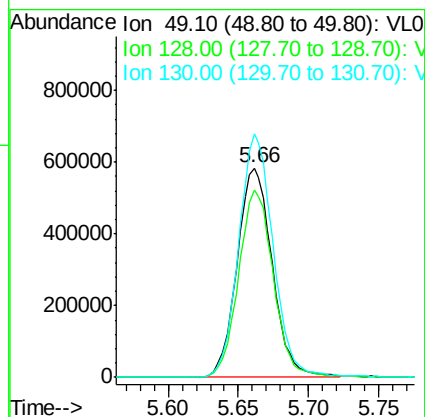
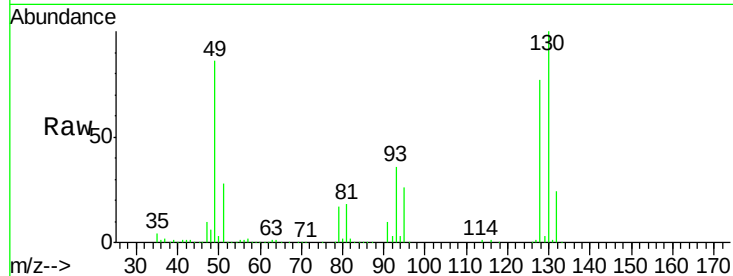
130 115.0 64.4 193.2

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#2

Dichlorodifluoromethane

Concen: 0.334 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.01 min

Lab File: VL035635.D

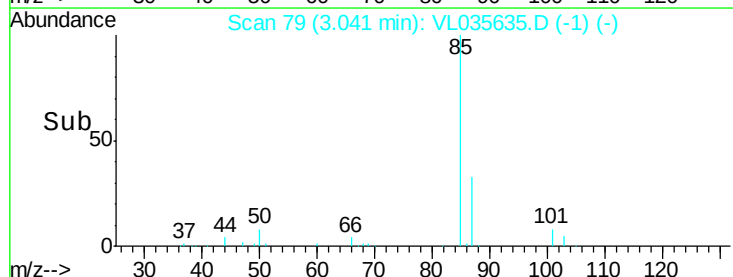
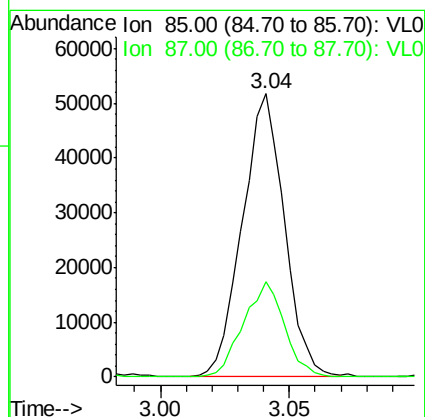
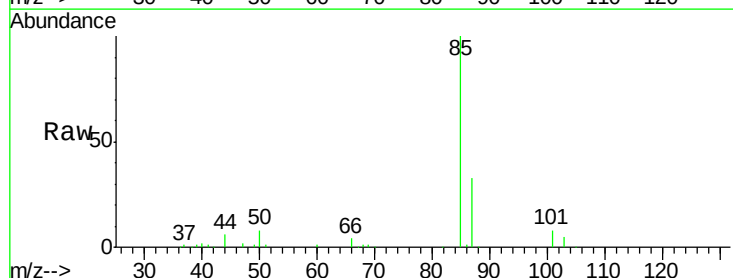
Acq: 16 Sep 2020 19:06

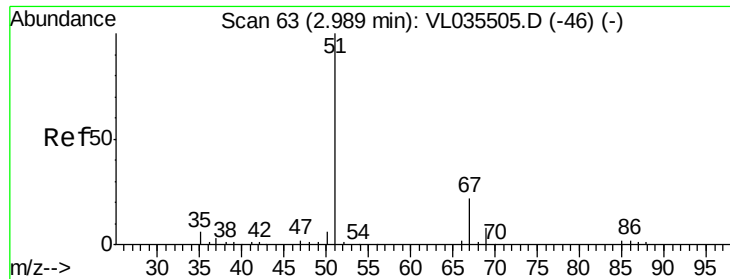
Tgt Ion: 85 Resp: 59072

Ion Ratio Lower Upper

85 100

87 33.5 28.0 42.0





#3

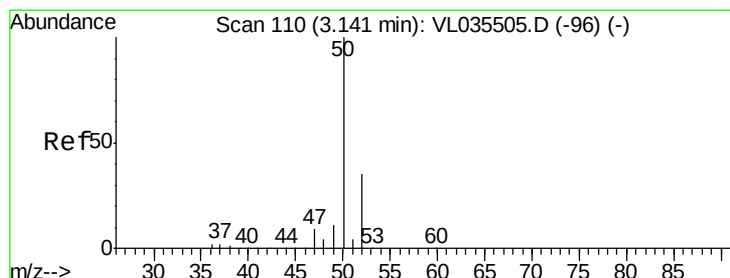
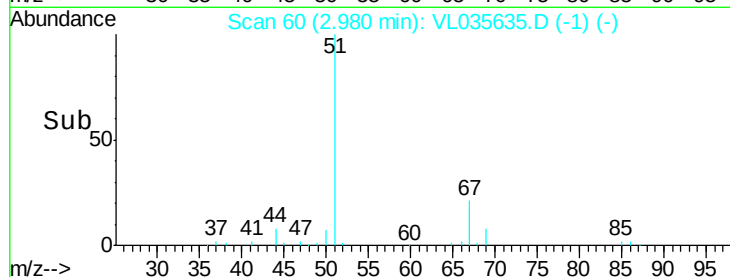
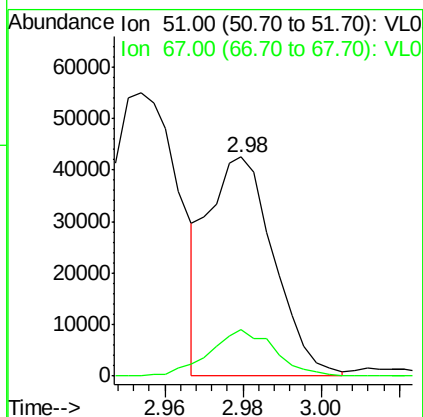
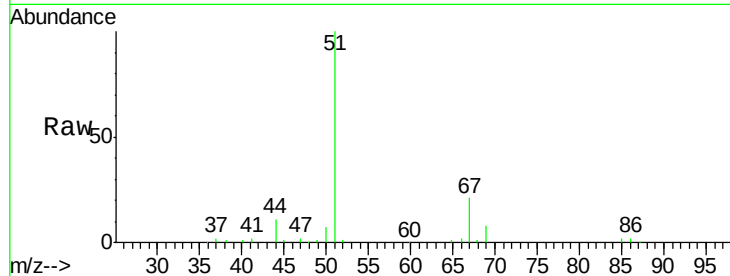
Chlorodifluoromethane
Concen: 0.440 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.01 min
Lab File: VL035635.D
Acq: 16 Sep 2020 19:06

Instrument :
MSVOA_L
ClientSampleId :
TRC-AA-01

Tot Ion	Ratio	Lower	Upper
51	100		
67	21.2	17.8	26.8

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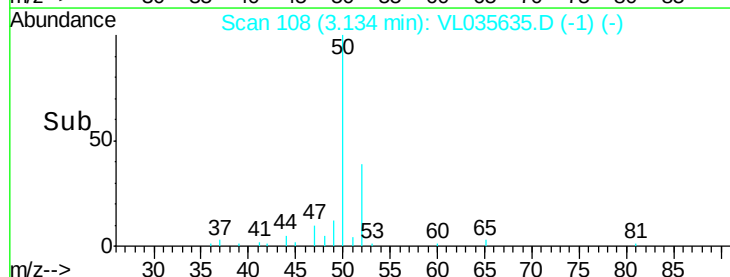
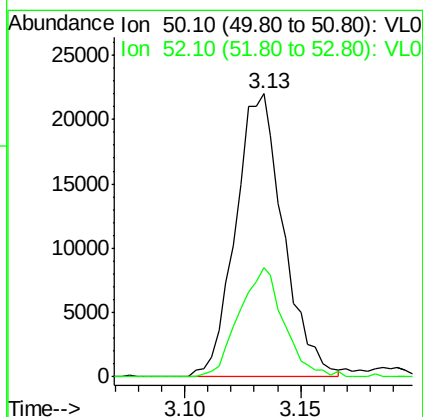
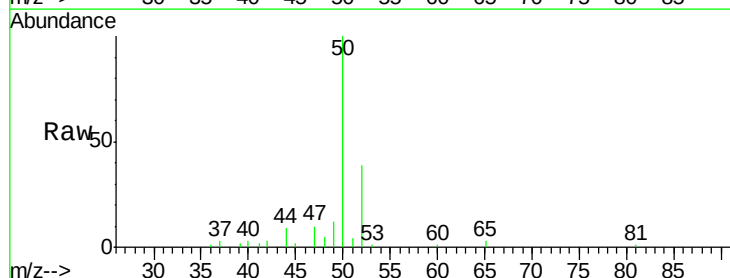
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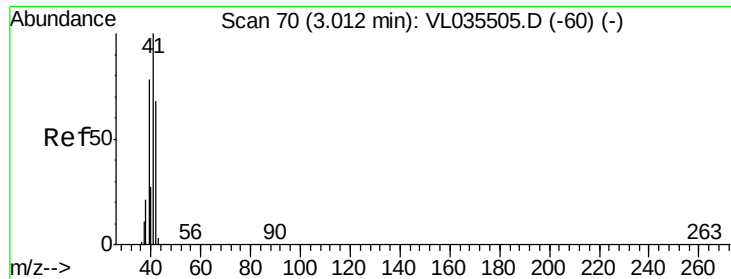


#4

Chloromethane
Concen: 0.522 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: VL035635.D
Acq: 16 Sep 2020 19:06

Tgt Ion	Ratio	Lower	Upper
50	100		
52	38.7	27.7	41.5





#9

Propene

Concen: 0.434 ppbv m

RT: 3.01 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL035635.D

Acq: 16 Sep 2020 19:06

Instrument :

MSVOA_L

ClientSampleId :

TRC-AA-01

Tot Ion: 41 Resp: 18870

Ion Ratio Lower Upper

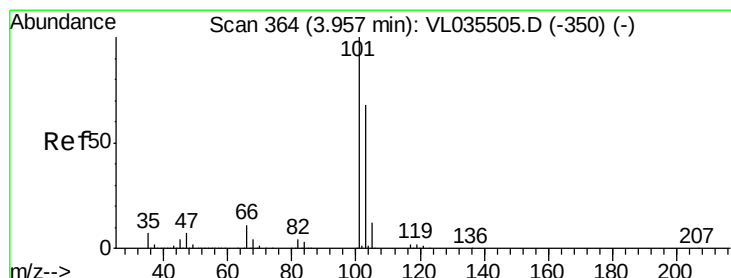
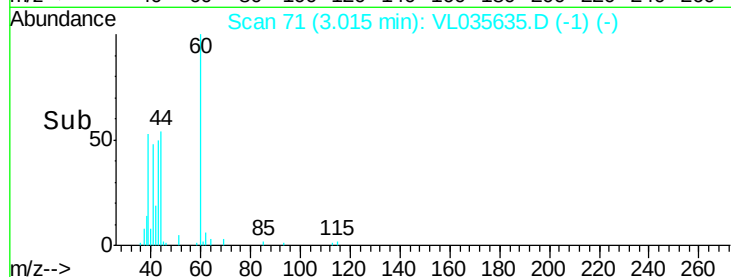
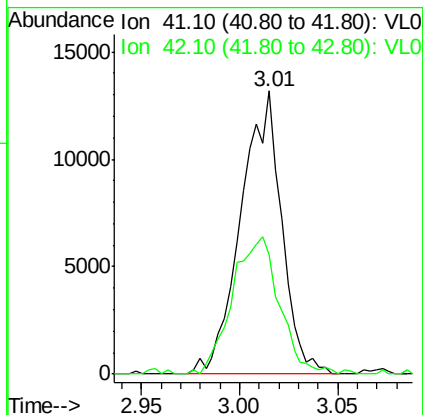
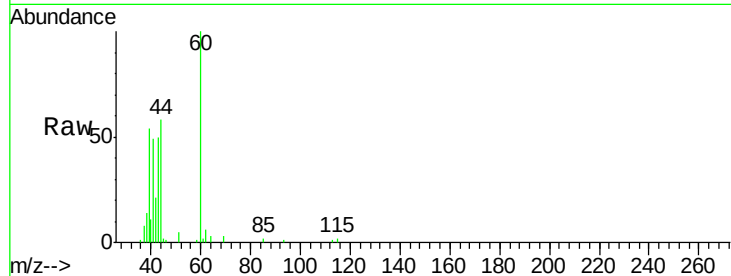
41 100

42 0.0 56.3 84.5#

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#11

Trichlorofluoromethane

Concen: 0.267 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.00 min

Lab File: VL035635.D

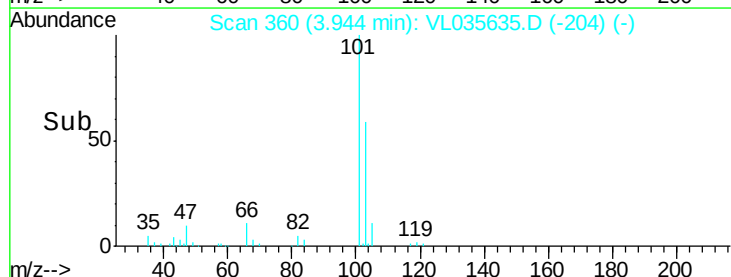
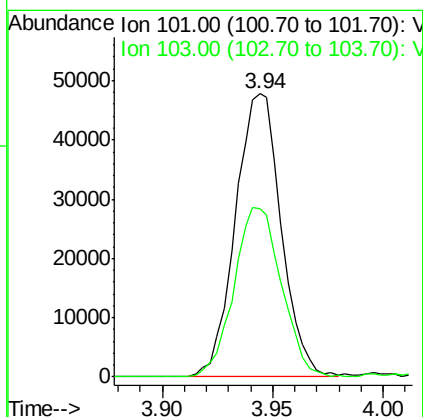
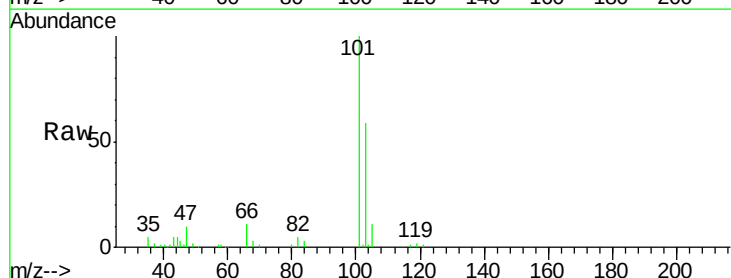
Acq: 16 Sep 2020 19:06

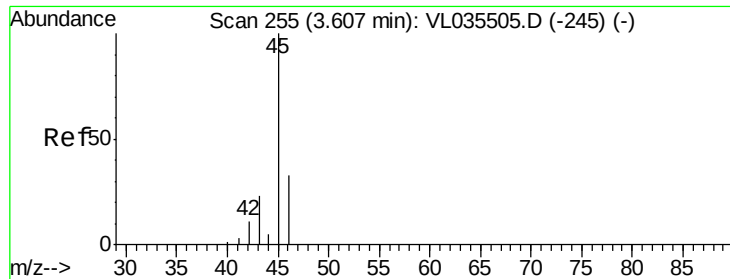
Tgt Ion: 101 Resp: 68807

Ion Ratio Lower Upper

101 100

103 59.3 54.5 81.7





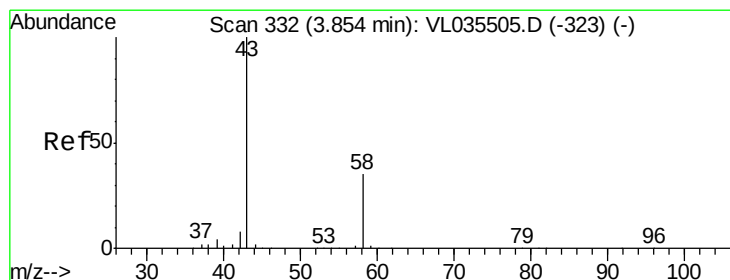
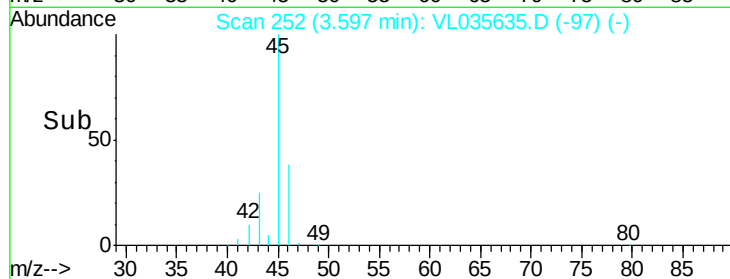
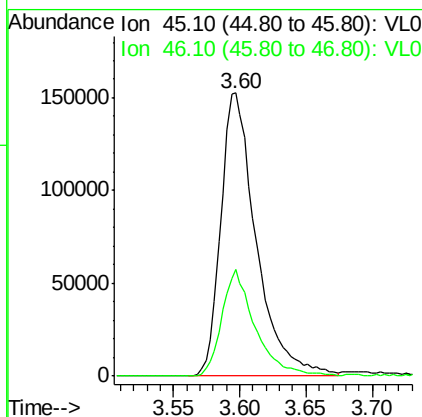
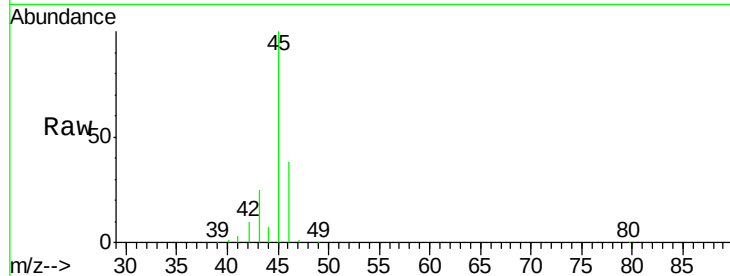
#13
Ethanol
Concen: 26.325 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL035635.D
Acq: 16 Sep 2020 19:06

Instrument :
MSVOA_L
ClientSampleId :
TRC-AA-01

Tot Ion: 45 Resp: 284023
Ion Ratio Lower Upper
45 100
46 35.8 15.2 60.6

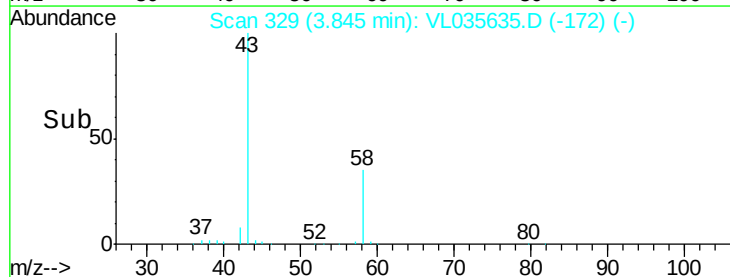
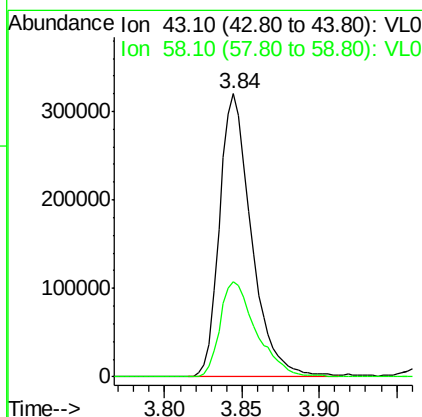
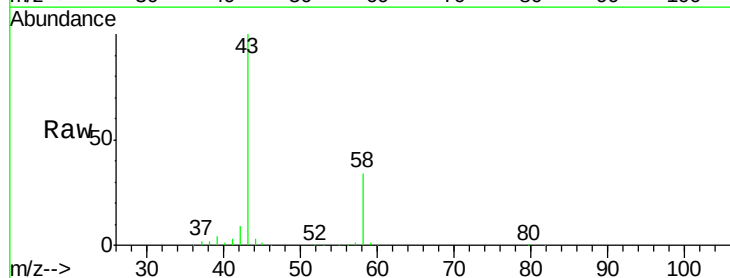
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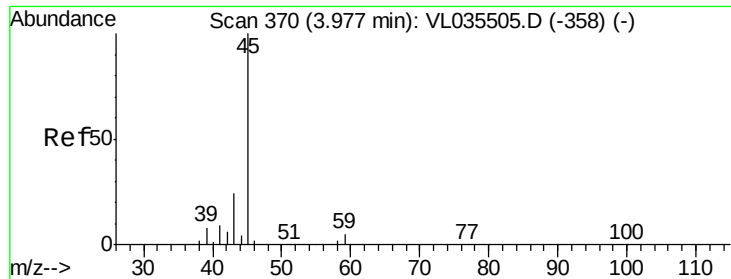
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#15
Acetone
Concen: 4.061 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL035635.D
Acq: 16 Sep 2020 19:06

Tgt Ion: 43 Resp: 457099
Ion Ratio Lower Upper
43 100
58 38.6 28.4 42.6





#19

Isopropyl Alcohol

Concen: 0.888 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.01 min

Lab File: VL035635.D

Acq: 16 Sep 2020 19:06

Instrument :

MSVOA_L

ClientSampleId :

TRC-AA-01

Tot Ion: 45 Resp: 59602

Ion Ratio Lower Upper

45 100

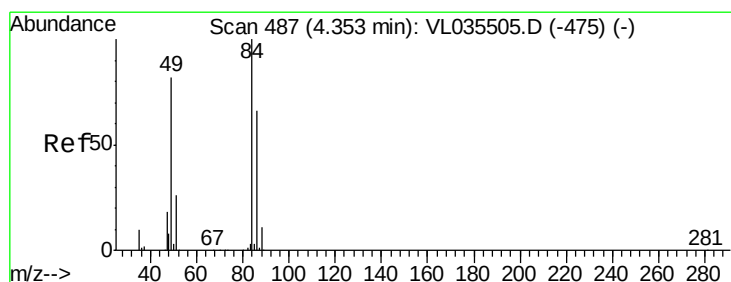
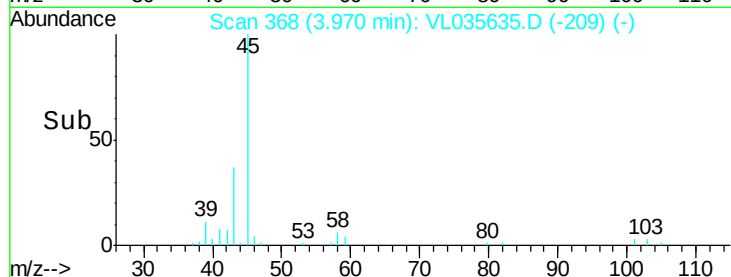
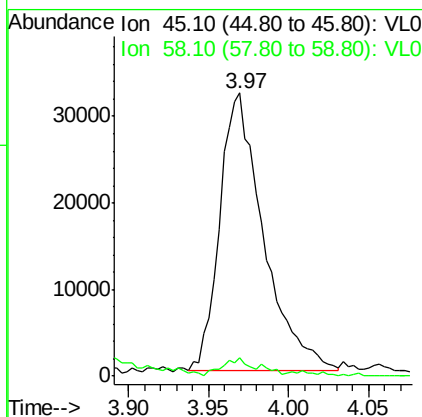
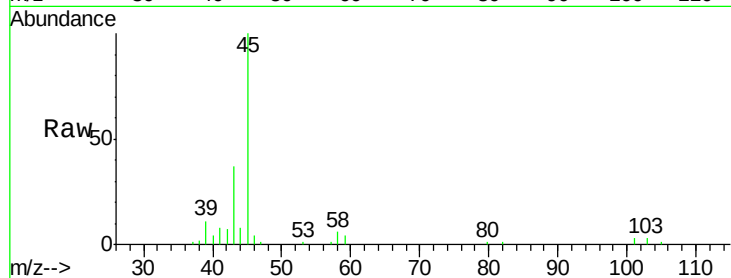
58 296.0 2.0 3.0#

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#20

Methylene Chloride

Concen: 7.290 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL035635.D

Acq: 16 Sep 2020 19:06

Tgt Ion: 84 Resp: 611159

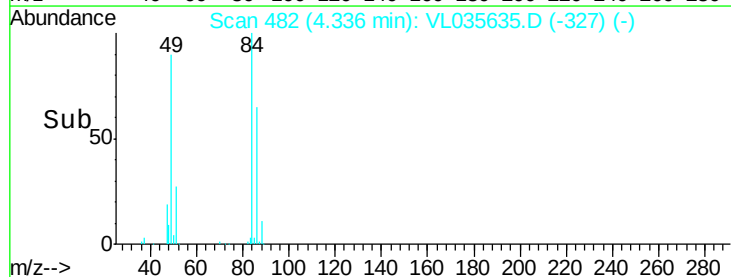
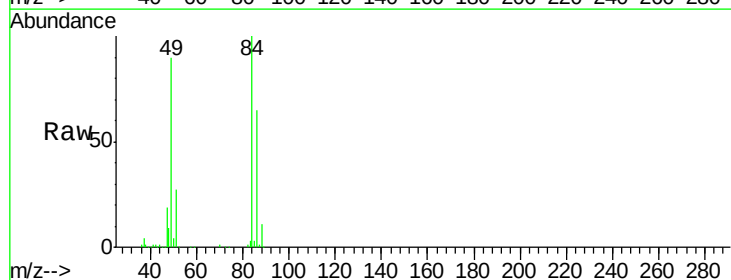
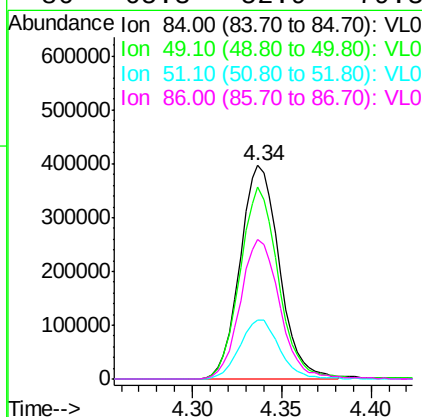
Ion Ratio Lower Upper

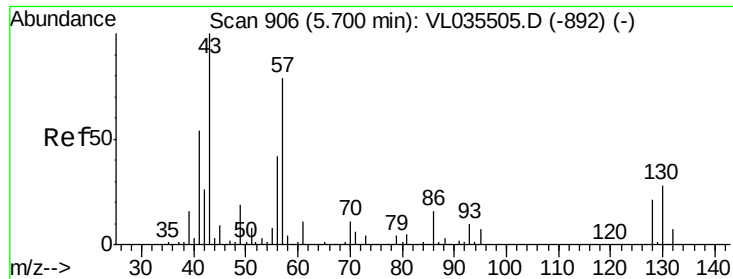
84 100

49 89.7 65.4 98.0

51 27.4 21.5 32.3

86 65.3 52.9 79.3





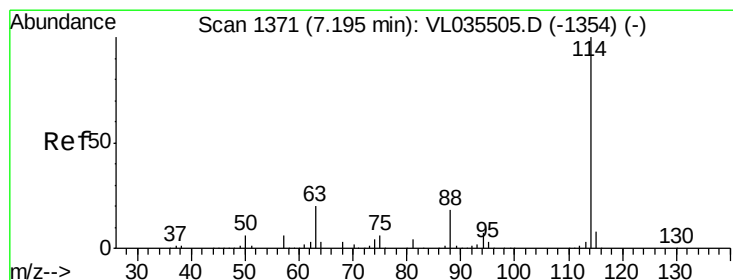
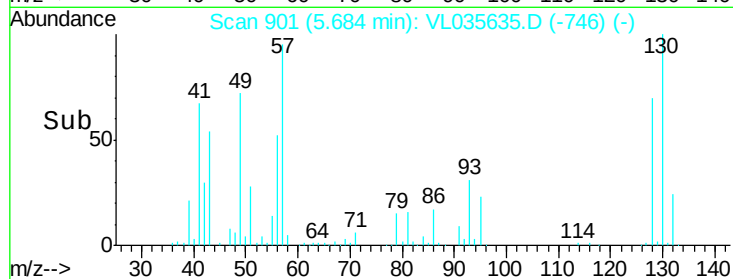
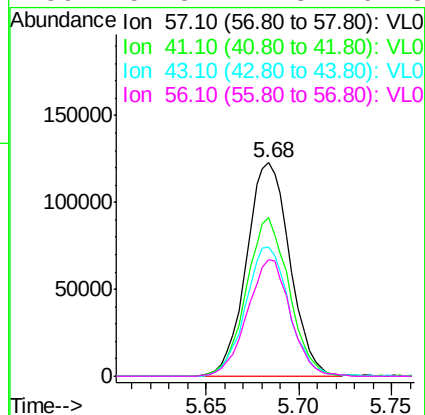
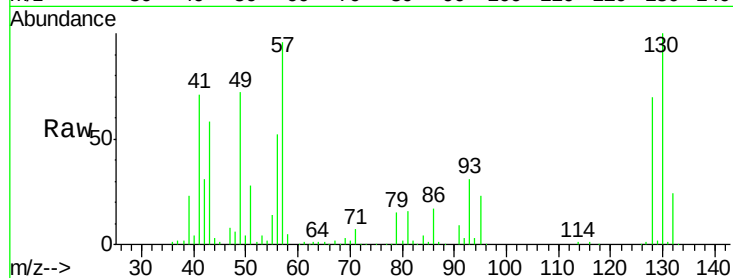
#26
Hexane
Concen: 1.780 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035635.D
Acq: 16 Sep 2020 19:06

Instrument :
MSVOA_L
ClientSampleId :
TRC-AA-01

Tot Ion	Ratio	Lower	Upper
57	100		
41	73.0	55.9	83.9
43	61.3	141.8	212.8#
56	54.3	41.8	62.8

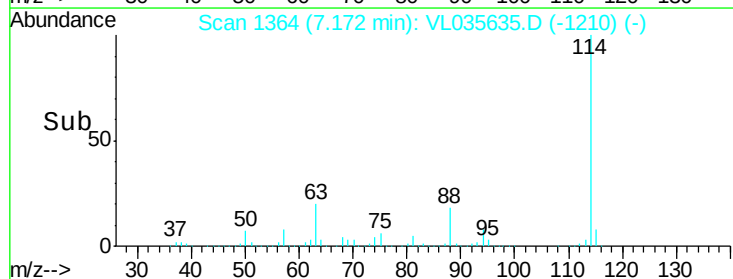
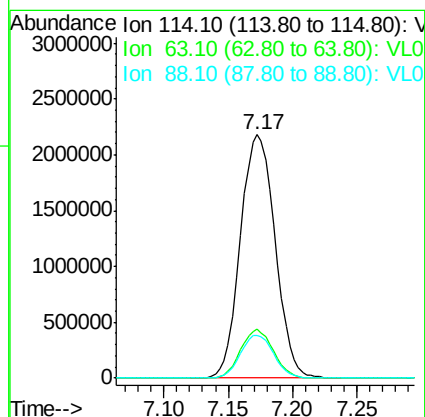
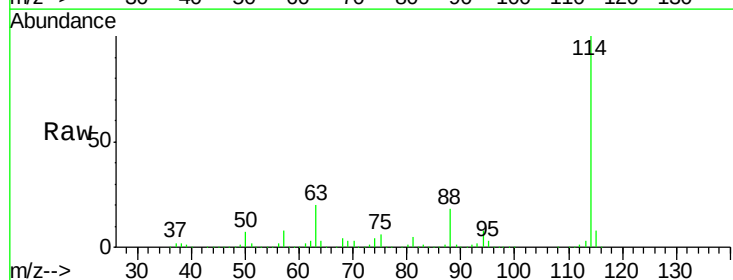
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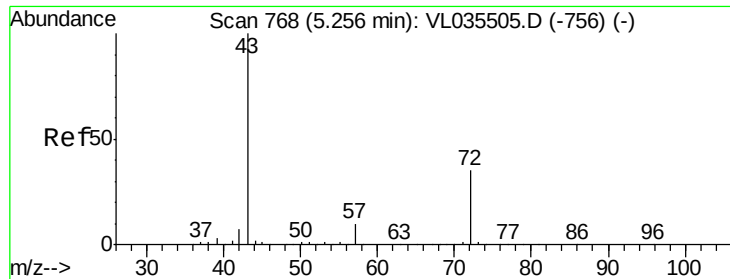
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VL035635.D
Acq: 16 Sep 2020 19:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	14.7	22.1
88	17.0	13.4	20.2





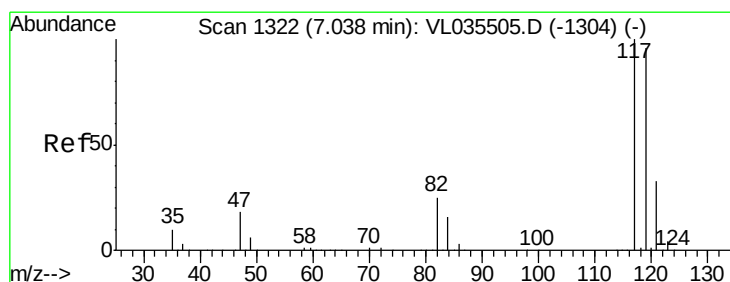
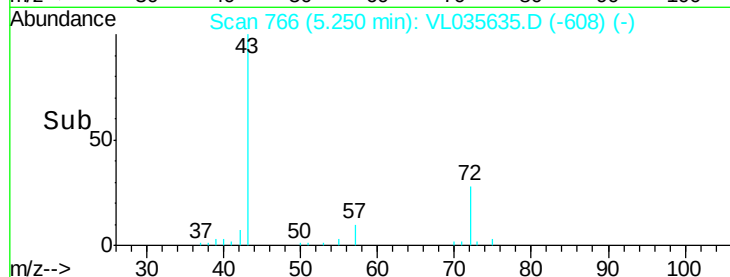
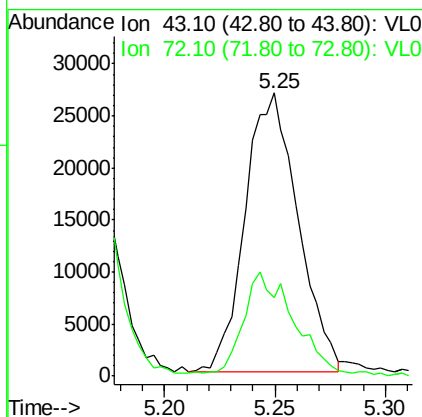
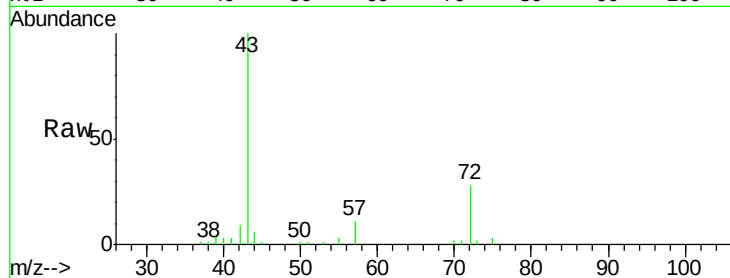
#34
2-Butanone
Concen: 0.366 ppbv
RT: 5.25 min Scan# 766
Delta R.T. 0.01 min
Lab File: VL035635.D
Acq: 16 Sep 2020 19:06

Instrument :
MSVOA_L
ClientSampled :
TRC-AA-01

Tot Ion: 43 Resp: 44516
Ion Ratio Lower Upper
43 100
72 36.9 27.7 41.5

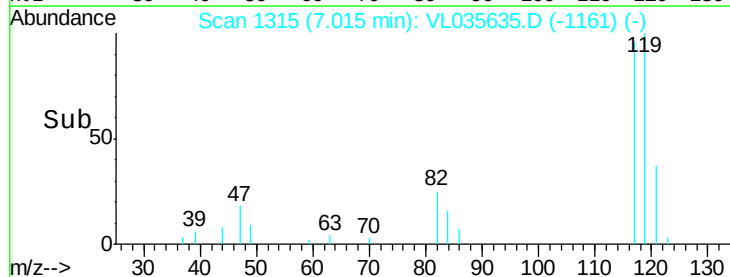
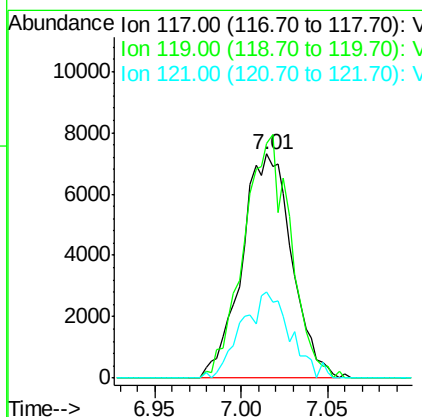
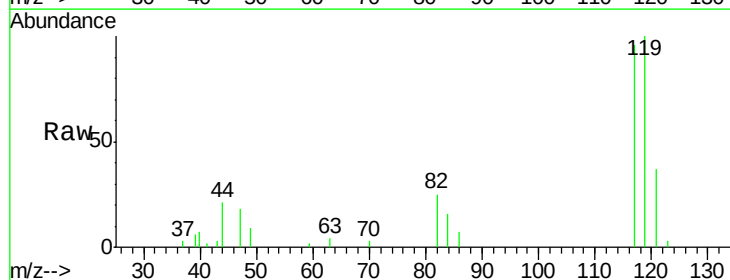
Manual Integrations
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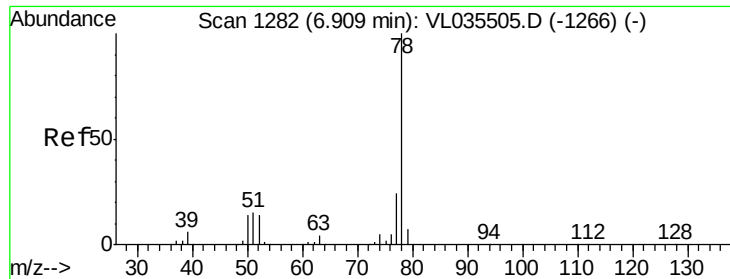
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#35
Carbon Tetrachloride
Concen: 0.071 ppbv m
RT: 7.01 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VL035635.D
Acq: 16 Sep 2020 19:06

Tgt Ion: 117 Resp: 14707
Ion Ratio Lower Upper
117 100
119 104.7 77.2 115.8
121 38.4 26.1 39.1





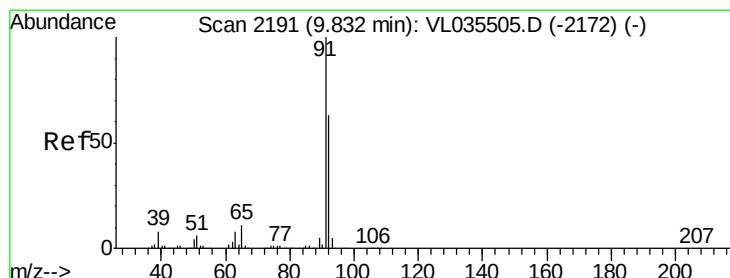
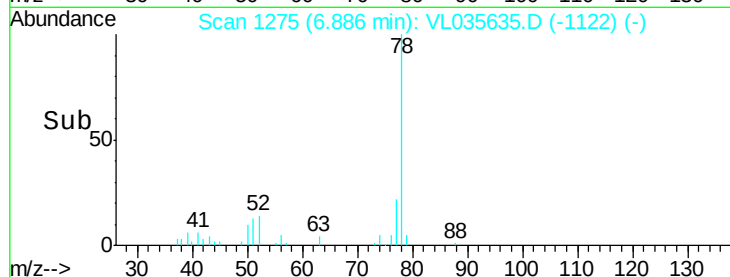
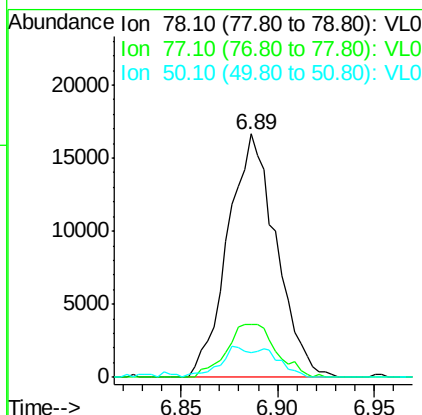
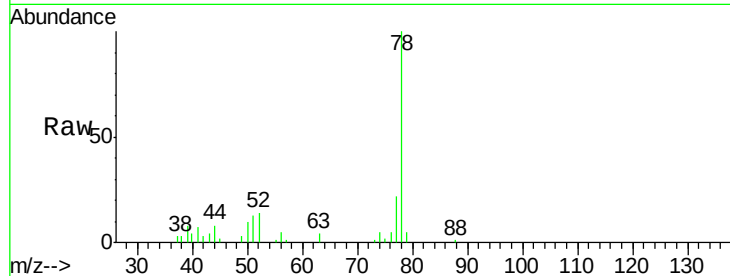
#36
Benzene
Concen: 0.109 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL035635.D
Acq: 16 Sep 2020 19:06

Instrument :
MSVOA_L
ClientSampleId :
TRC-AA-01

Tot Ion	Ratio	Lower	Upper
78	100		
77	21.8	19.3	28.9
50	9.9	11.0	16.6

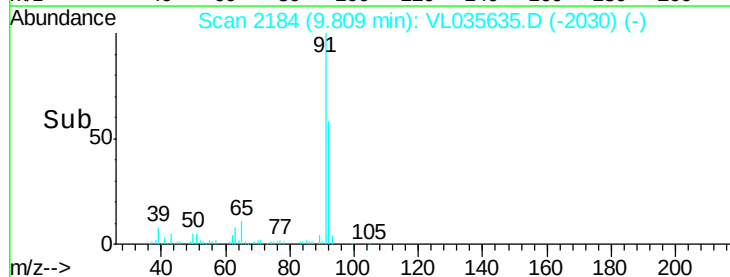
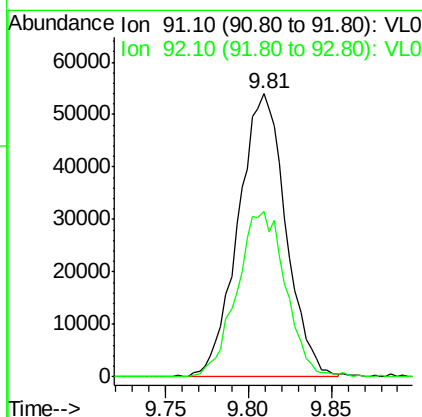
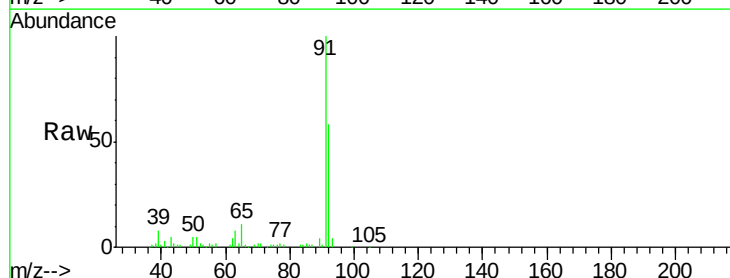
Manual Integrations
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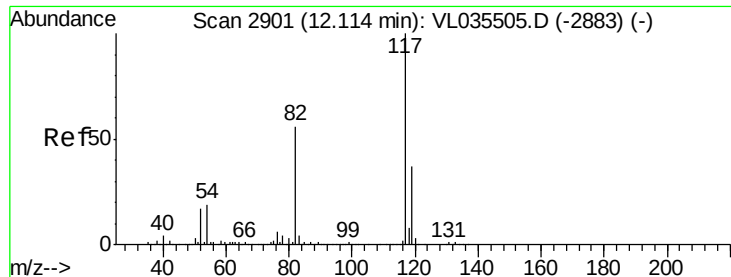
MMDadoda
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#53
Toluene
Concen: 0.320 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VL035635.D
Acq: 16 Sep 2020 19:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.6	49.8	74.8





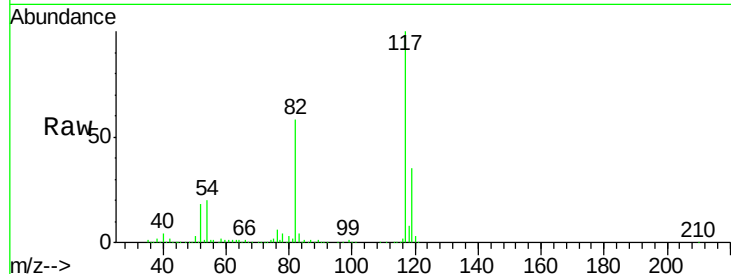
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035635.D
Acq: 16 Sep 2020 19:06

Instrument :
MSVOA_L
ClientSampleId :
TRC-AA-01

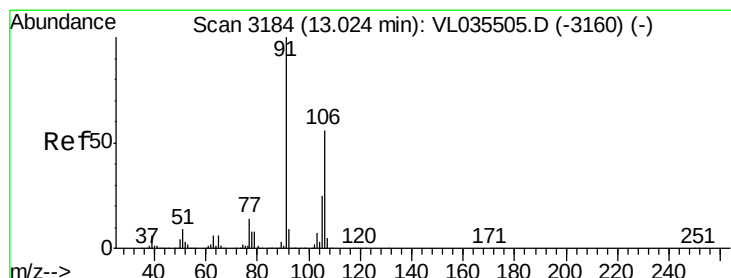
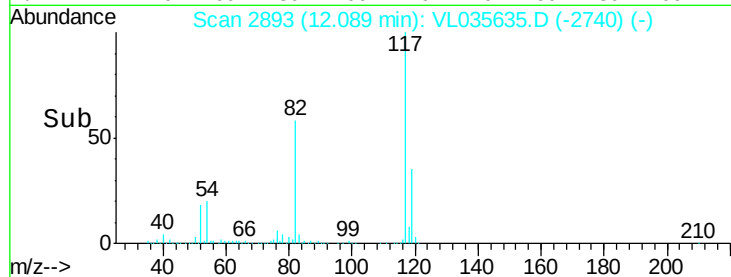
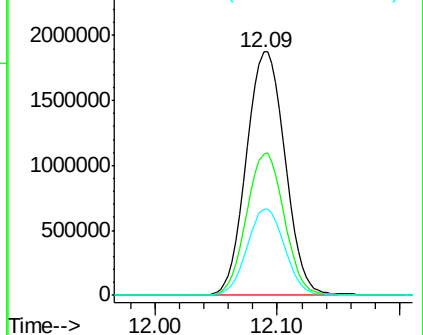
Tot Ion:117 Resp: 4119764
Ion Ratio Lower Upper
117 100
82 57.2 41.6 62.4
119 34.6 29.3 43.9

Manual Integrations
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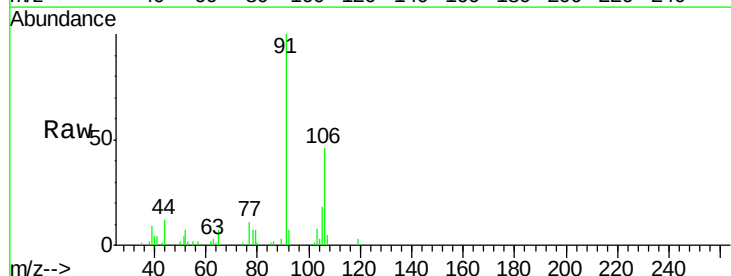


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

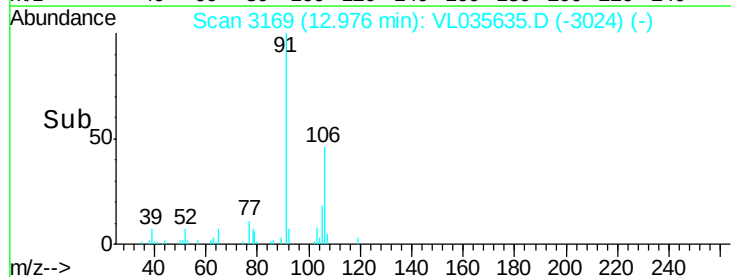
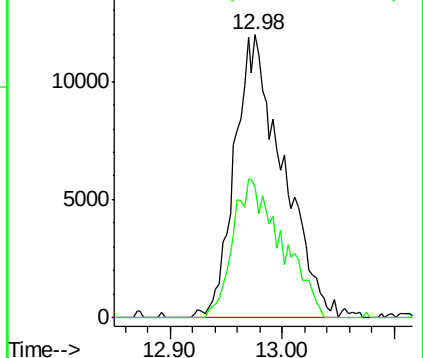


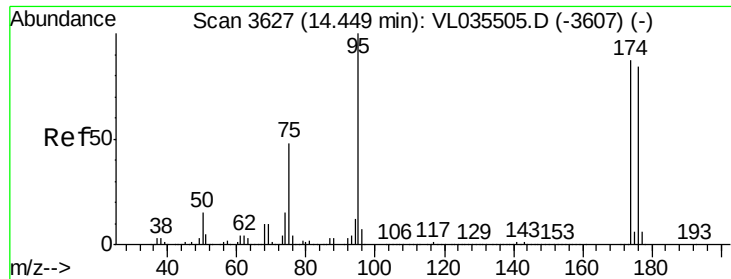
#59
m/p-Xylene
Concen: 0.101 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL035635.D
Acq: 16 Sep 2020 19:06

Tgt Ion: 91 Resp: 35721
Ion Ratio Lower Upper
91 100
106 0.0 43.4 65.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.558 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.01 min
 Lab File: VL035635.D
 Acq: 16 Sep 2020 19:06

Instrument :
 MSVOA_L
 ClientSampleId :
 TRC-AA-01

Tot Ion:	95	Resp:	3088996
Ion	Ratio	Lower	Upper
95	100		
174	79.1	69.6	104.4
175	5.6	5.1	7.7

Manual Integrations
 APPROVED

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