

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036126.D
 Acq On : 9 Dec 2020 11:40
 Operator : SY/AP
 Sample : L4949-05DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL2

Manual Integrations
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 12/11/2020 12:24:22 PM

Quant Time: Dec 10 21:54:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1210742	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2583841	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	2346502	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2040729	10.95	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	106229	1.535	ppbv #	63
13) Ethanol	3.62	45	21186m	2.221	ppbv	
15) Acetone	3.85	43	1340652	9.213	ppbv	99
19) Isopropyl Alcohol	3.99	45	52898m	0.595	ppbv	
25) Ethyl Acetate	5.69	43	173474	0.597	ppbv #	68
34) 2-Butanone	5.26	43	266841	1.557	ppbv	92
41) Tetrahydrofuran	6.07	42	47415m	0.466	ppbv	
44) 2,2,4-Trimethylpentane	7.88	57	64934	0.164	ppbv	91
50) 4-Methyl-2-Pentanone	8.77	43	78132m	0.306	ppbv	
53) Toluene	9.82	91	1443143	5.869	ppbv	100
58) Ethyl Benzene	12.73	91	72082	0.224	ppbv	93
59) m/p-Xylene	12.99	91	249641m	0.922	ppbv	
60) o-Xylene	13.71	91	85553m	0.335	ppbv	
72) 4-Ethyltoluene	15.86	105	26511m	0.096	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	46433m	0.175	ppbv	

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

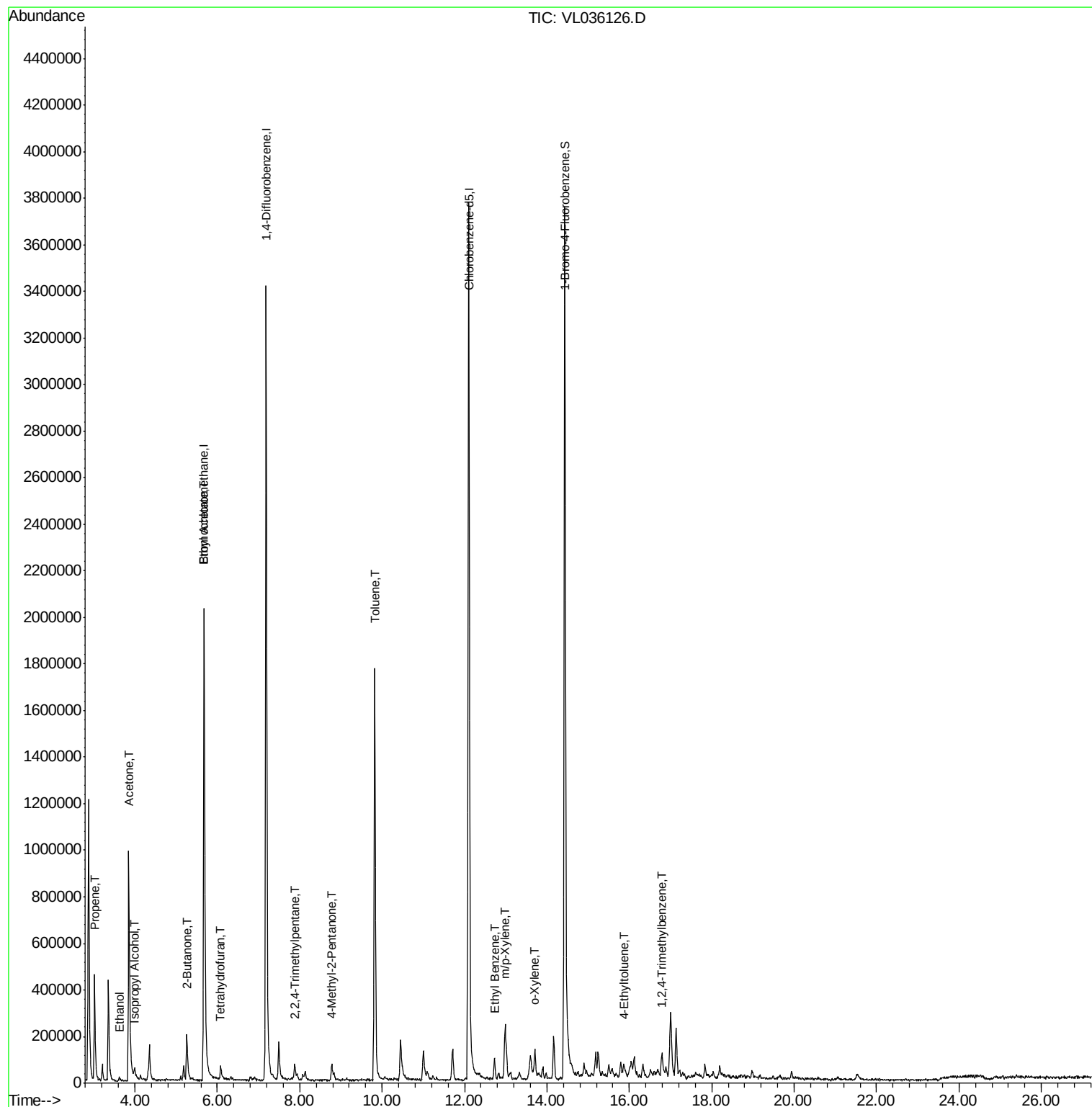
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120820\
Data File : VL036126.D
Acq On : 9 Dec 2020 11:40
Operator : SY/AP
Sample : L4949-05DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

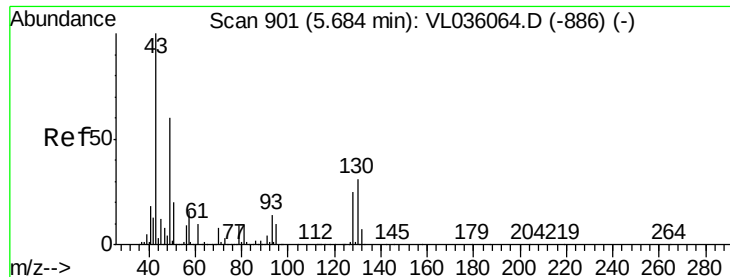
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL2

Manual Integrations
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Quant Time: Dec 10 21:54:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL036126.D

Acq: 9 Dec 2020 11:40

Instrument :

MSVOA_L

ClientSampleId :

IA-4DL2

Tot Ion: 49 Resp: 1210742

Ion Ratio Lower Upper

49 100

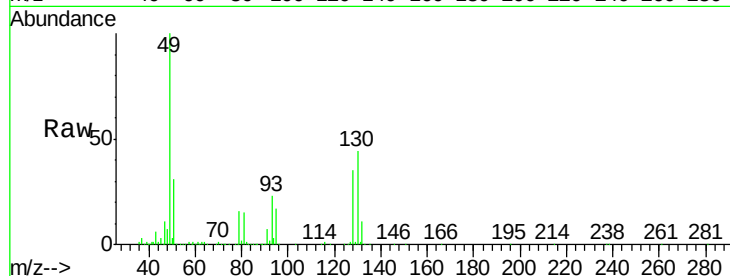
128 37.9 21.1 63.1

130 48.1 27.1 81.3

Manual Integrations
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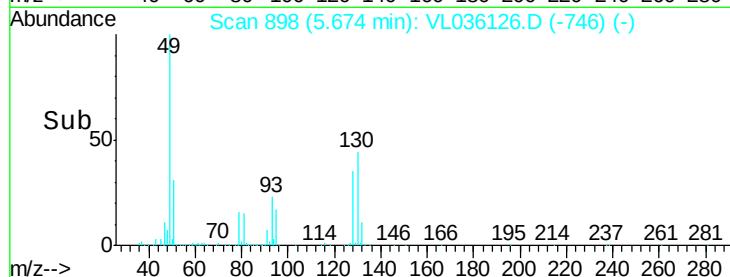
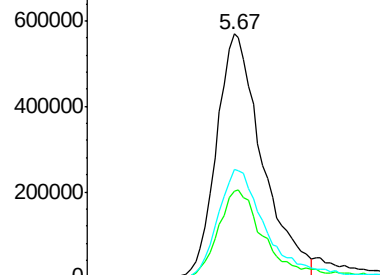
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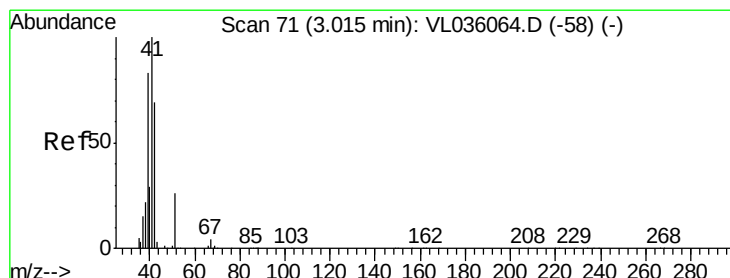
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#9

Propene

Concen: 1.535 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL036126.D

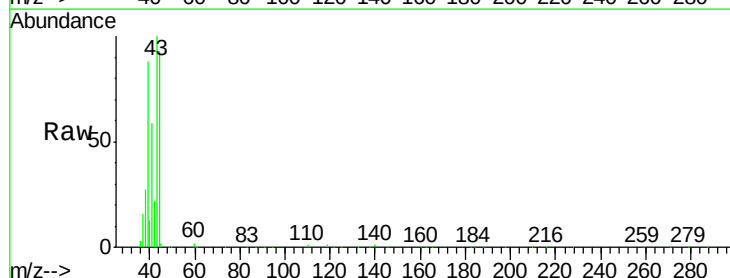
Acq: 9 Dec 2020 11:40

Tgt Ion: 41 Resp: 106229

Ion Ratio Lower Upper

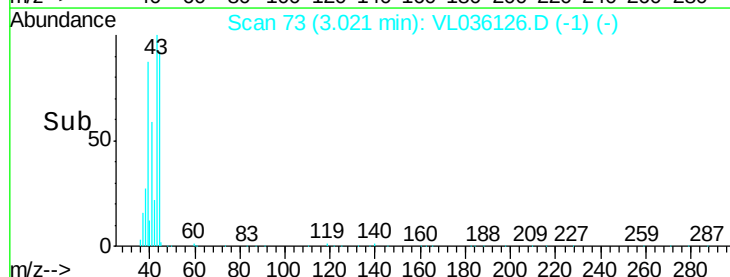
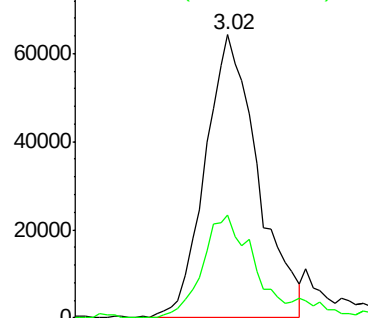
41 100

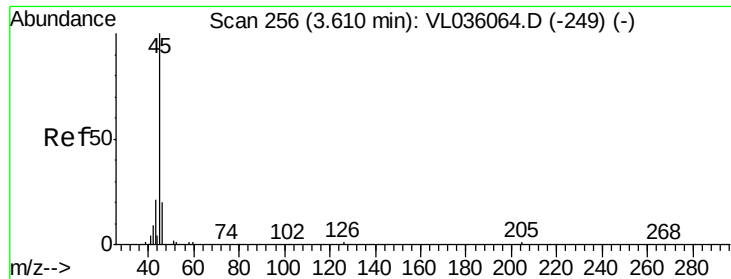
42 40.9 57.0 85.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





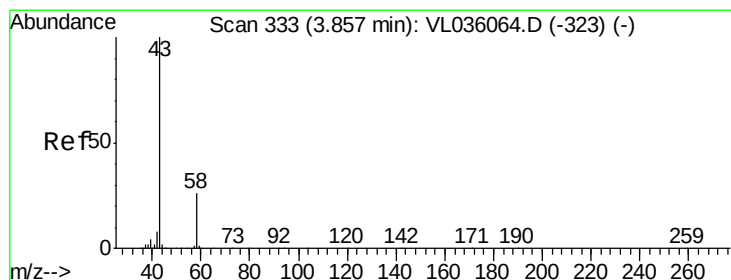
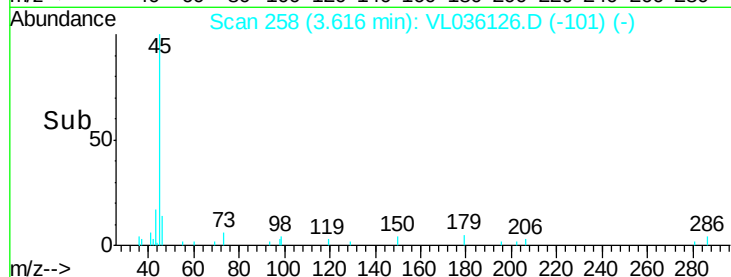
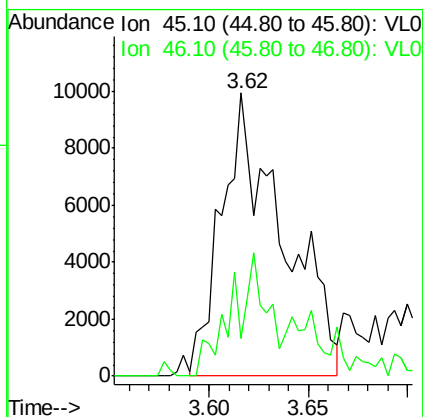
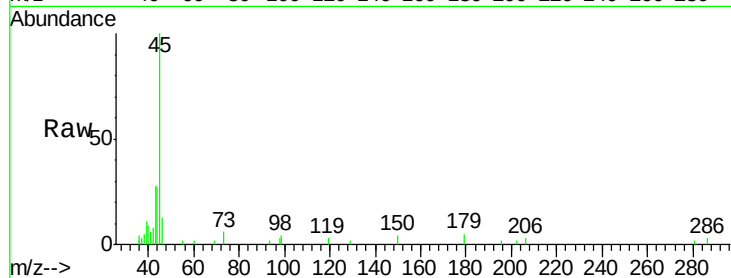
#13
Ethanol
Concen: 2.221 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036126.D
Acq: 9 Dec 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL2

Tot Ion: 45 Resp: 21186
Ion Ratio Lower Upper
45 100
46 11.3 19.0 75.8#

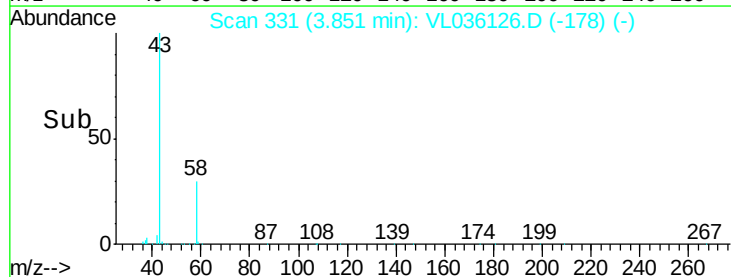
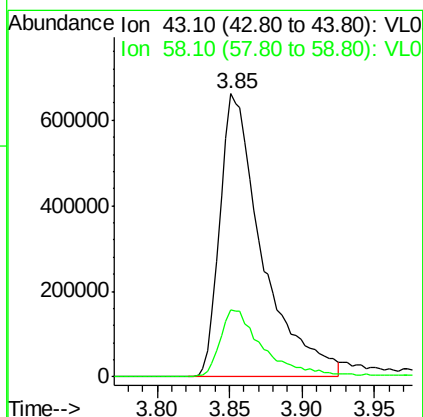
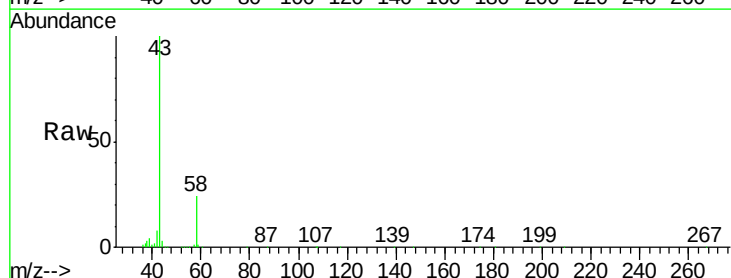
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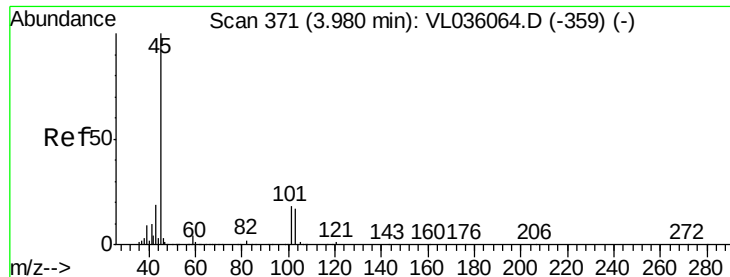
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#15
Acetone
Concen: 9.213 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL036126.D
Acq: 9 Dec 2020 11:40

Tgt Ion: 43 Resp: 1340652
Ion Ratio Lower Upper
43 100
58 25.5 20.9 31.3





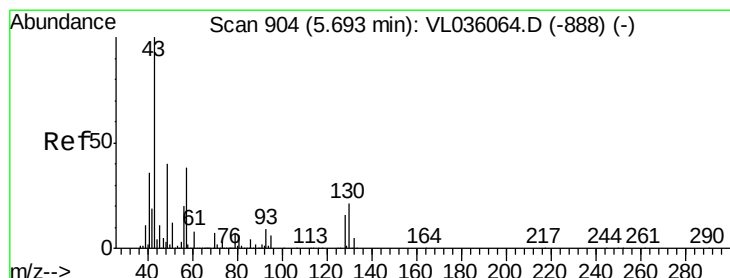
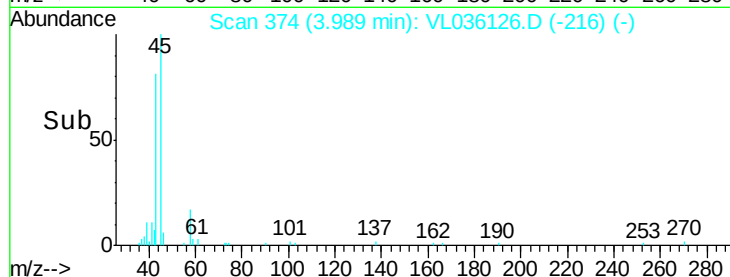
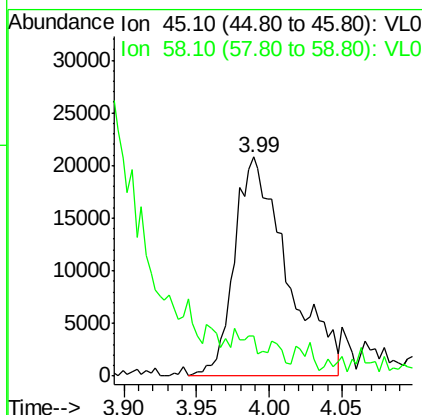
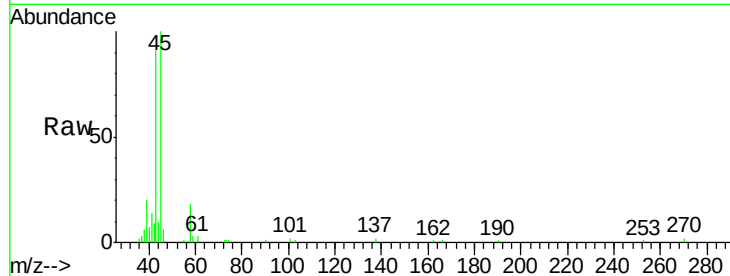
#19
Isopropyl Alcohol
Concen: 0.595 ppbv m
RT: 3.99 min Scan# 374
Delta R.T. 0.01 min
Lab File: VL036126.D
Acq: 9 Dec 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL2

Tot Ion	Ratio	Lower	Upper
45	100		
58	0.0	0.0	0.0

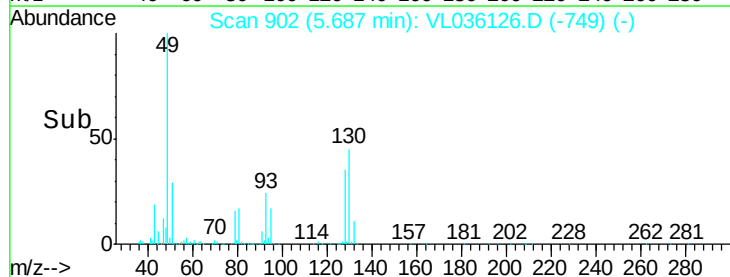
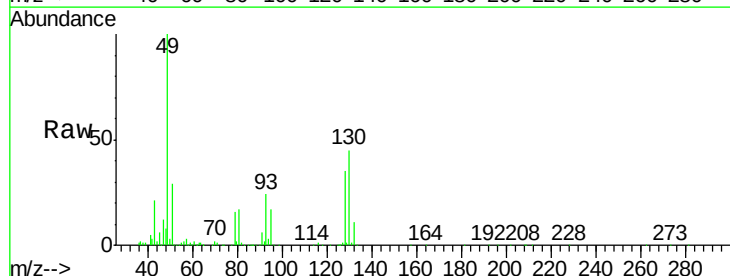
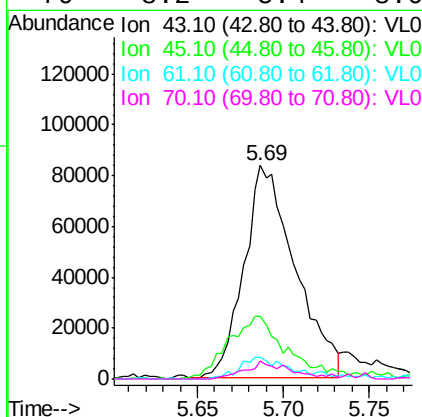
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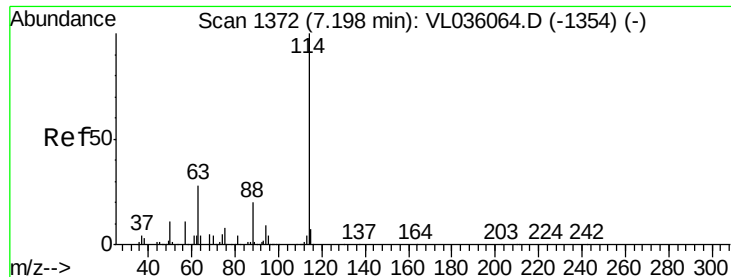
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#25
Ethyl Acetate
Concen: 0.597 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL036126.D
Acq: 9 Dec 2020 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
45	36.8	8.2	12.4#
61	12.0	7.4	11.2#
70	8.2	5.4	8.0#





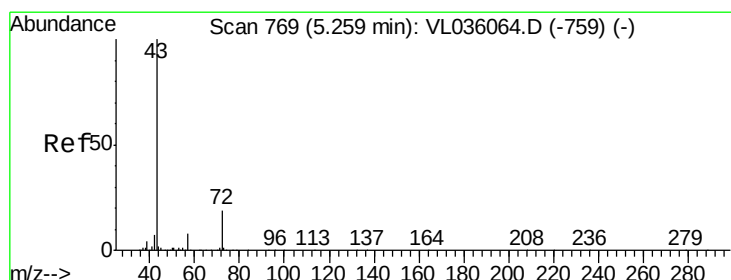
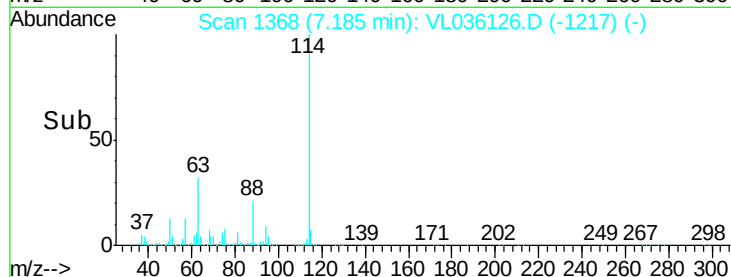
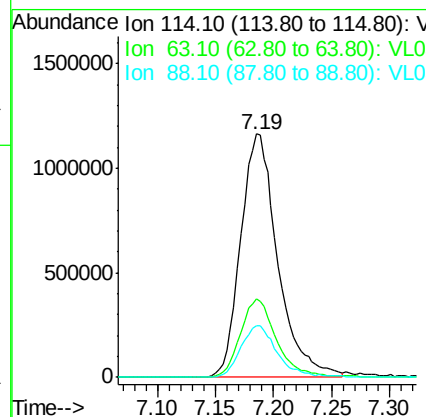
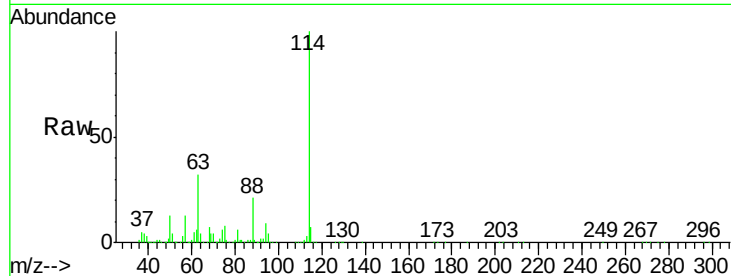
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VL036126.D
 Acq: 9 Dec 2020 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL2

Tot Ion	Ratio	Lower	Upper
114	100		
63	31.8	23.6	35.4
88	21.1	15.8	23.6

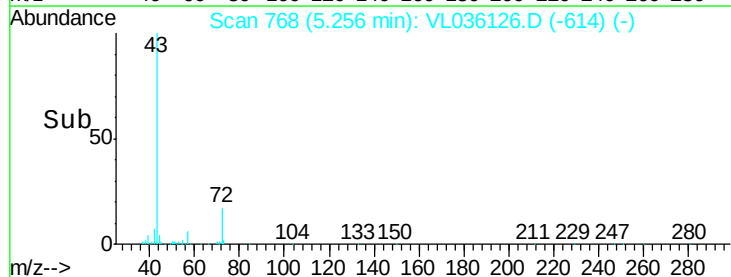
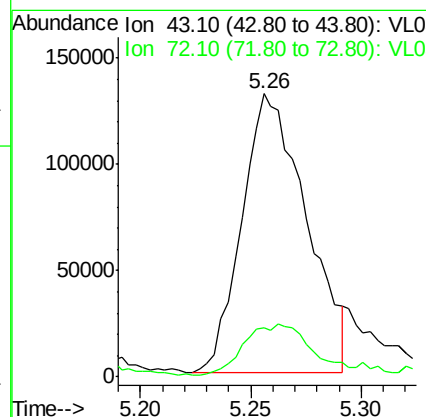
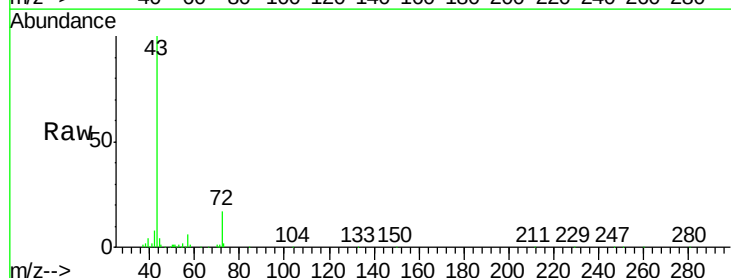
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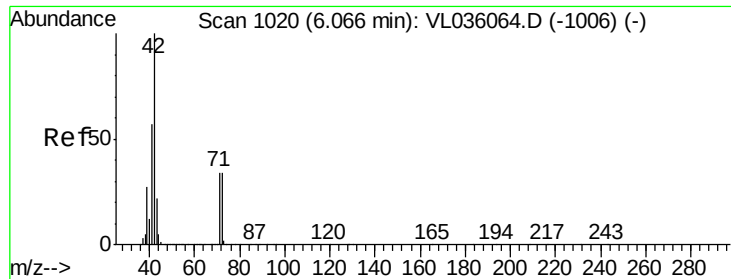
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#34
 2-Butanone
 Concen: 1.557 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VL036126.D
 Acq: 9 Dec 2020 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.5	16.5	24.7





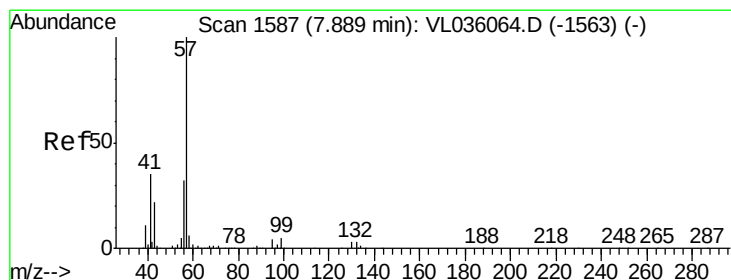
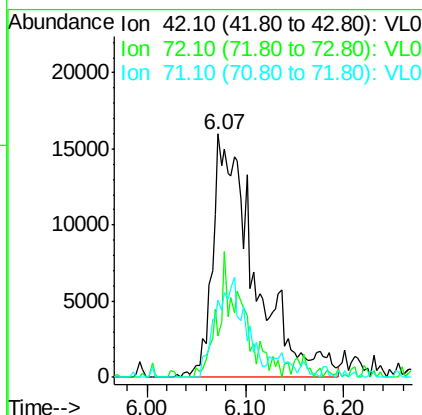
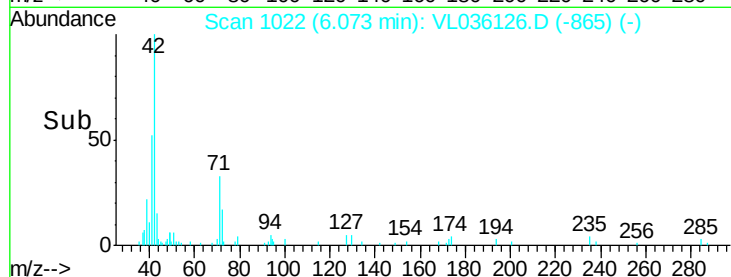
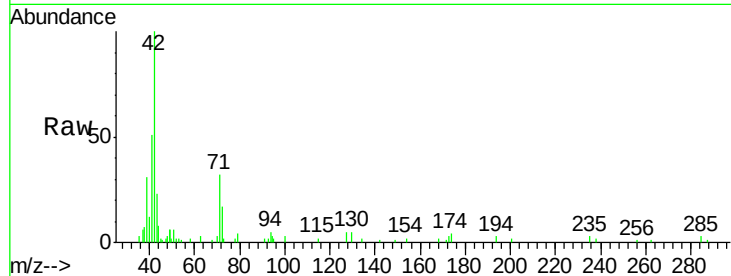
#41
Tetrahydrofuran
Concen: 0.466 ppbv m
RT: 6.07 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VL036126.D
Acq: 9 Dec 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL2

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.3	42.5#
71	0.0	27.3	40.9#

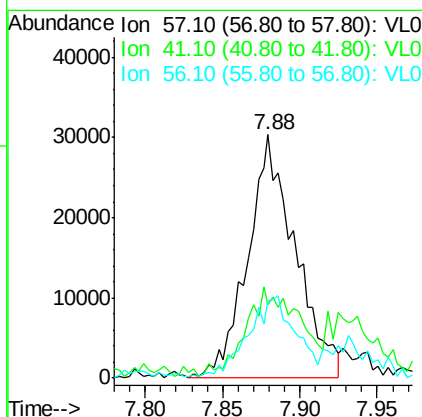
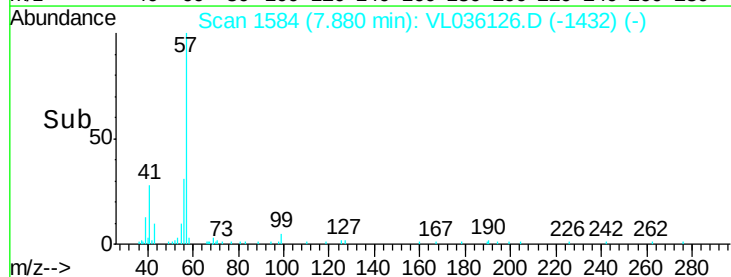
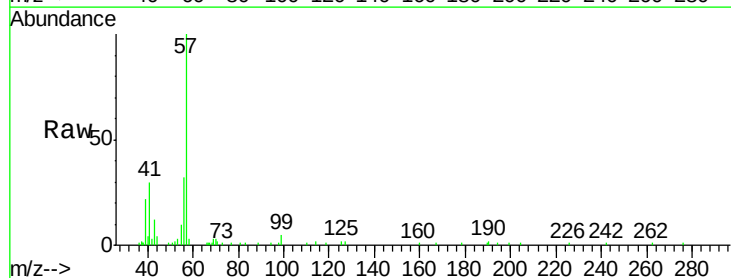
Manual Integrations
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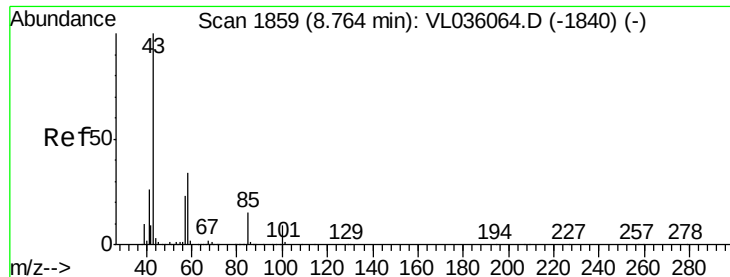
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#44
2,2,4-Trimethylpentane
Concen: 0.164 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.01 min
Lab File: VL036126.D
Acq: 9 Dec 2020 11:40

Tgt Ion	Ratio	Lower	Upper
57	100		
41	43.1	28.9	43.3
56	35.2	25.3	37.9





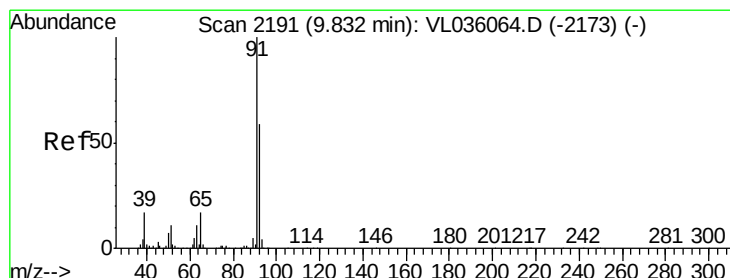
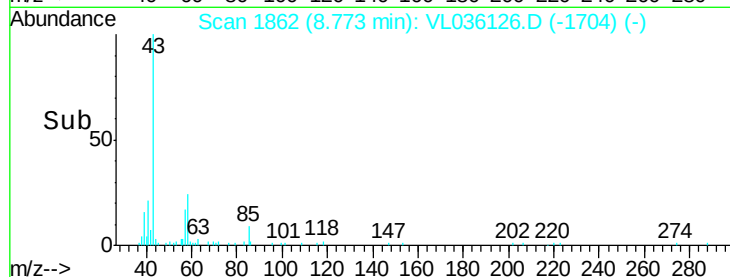
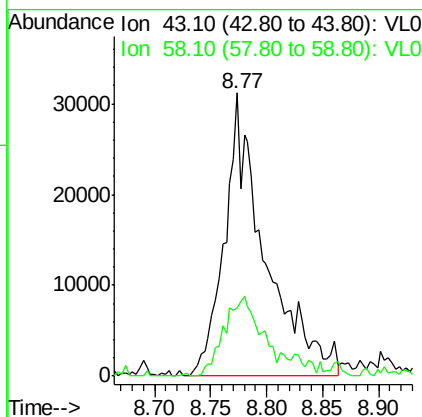
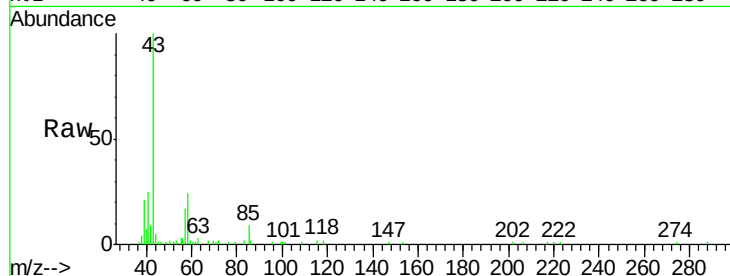
#50
4-Methyl-2-Pentanone
Concen: 0.306 ppbv m
RT: 8.77 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VL036126.D
Acq: 9 Dec 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL2

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.4	41.2#

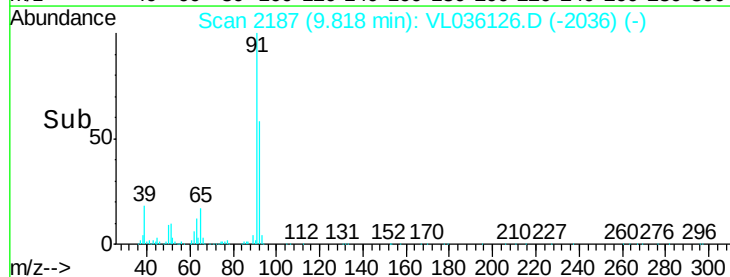
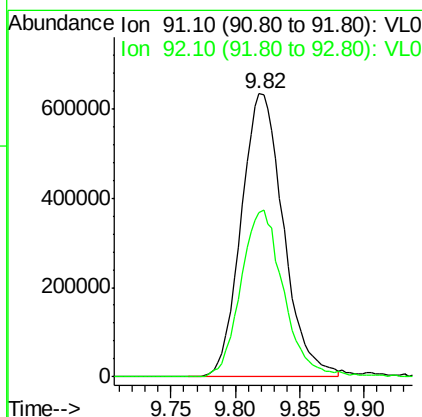
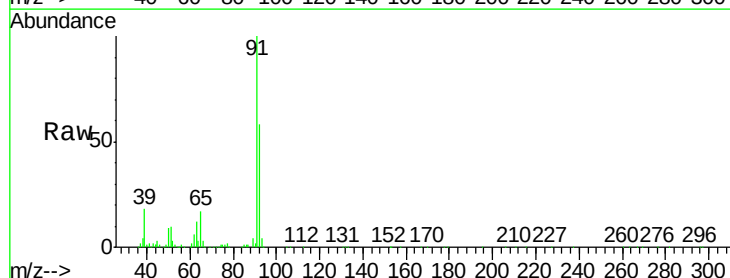
Manual Integrations
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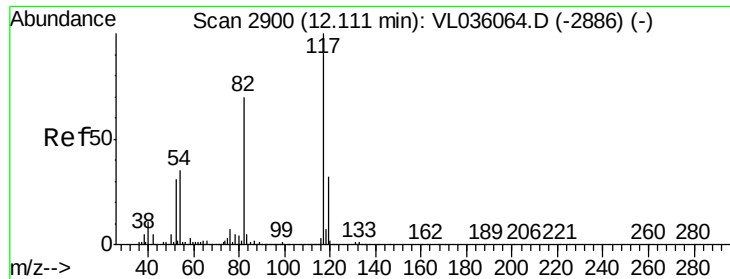
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#53
Toluene
Concen: 5.869 ppbv
RT: 9.82 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL036126.D
Acq: 9 Dec 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.2	72.2





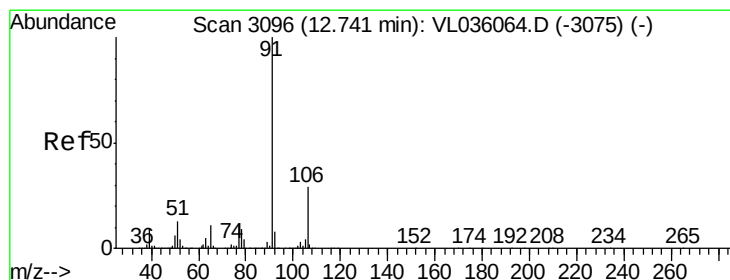
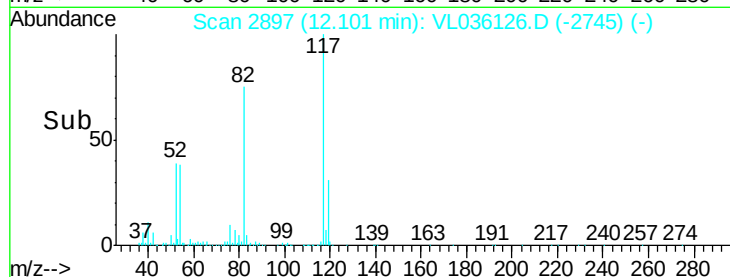
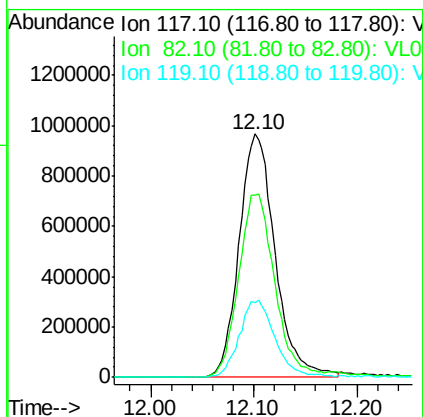
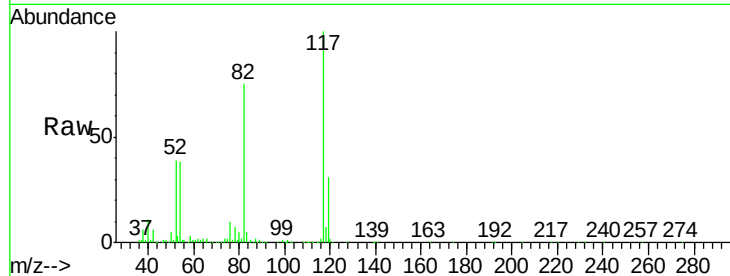
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL036126.D
Acq: 9 Dec 2020 11:40

Instrument :
MSVOA_L
ClientSampled :
IA-4DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	77.8	0.0	0.0#
119	32.3	0.0	0.0#

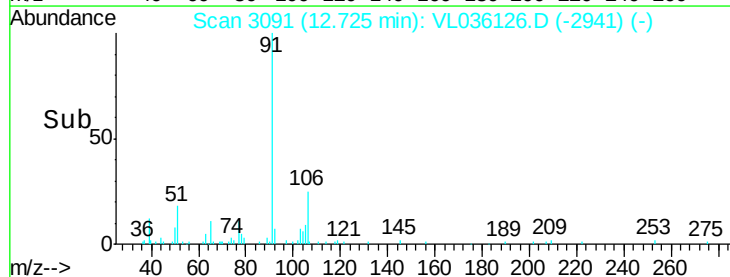
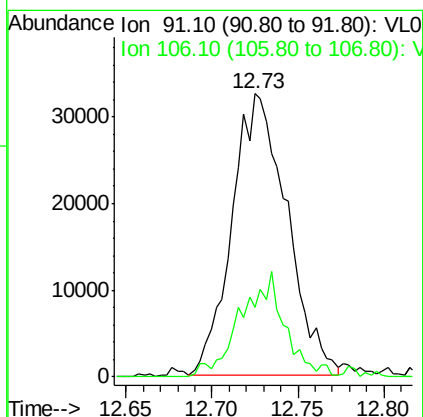
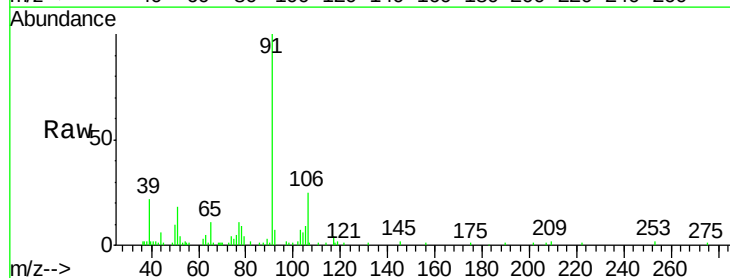
Manual Integrations
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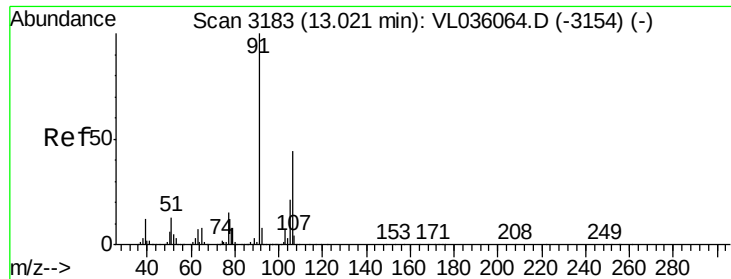
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#58
Ethyl Benzene
Concen: 0.224 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.02 min
Lab File: VL036126.D
Acq: 9 Dec 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	24.8	23.0	34.4





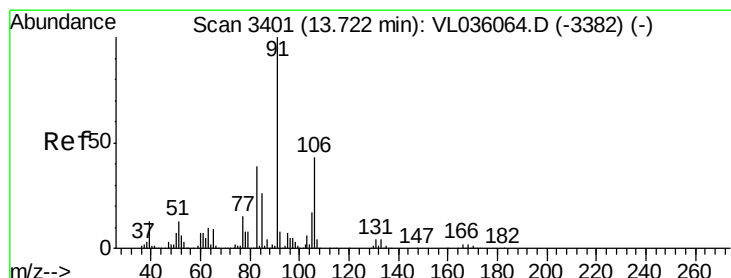
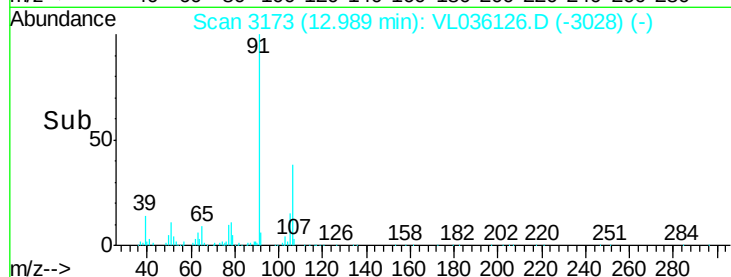
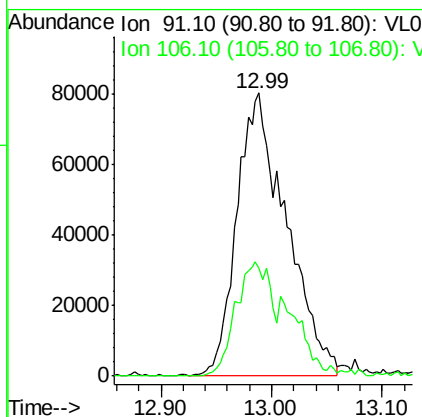
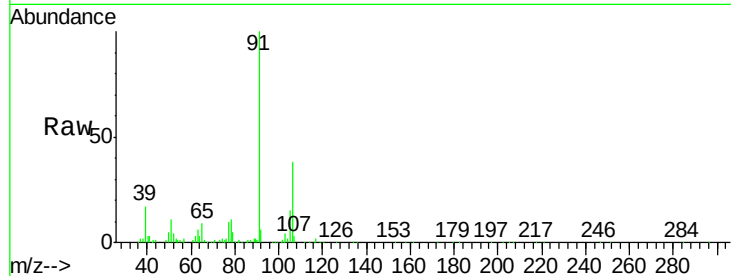
#59
m/p-Xylene
Concen: 0.922 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. -0.03 min
Lab File: VL036126.D
Acq: 9 Dec 2020 11:40

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL2

Tot Ion: 91 Resp: 249641
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#

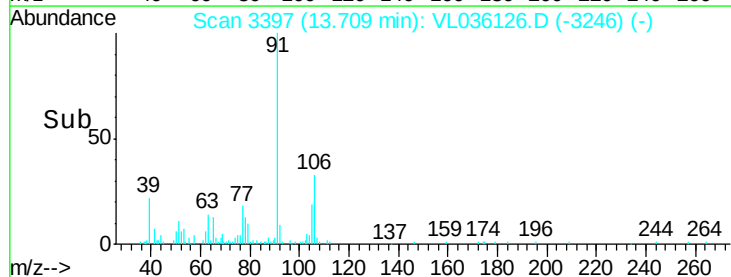
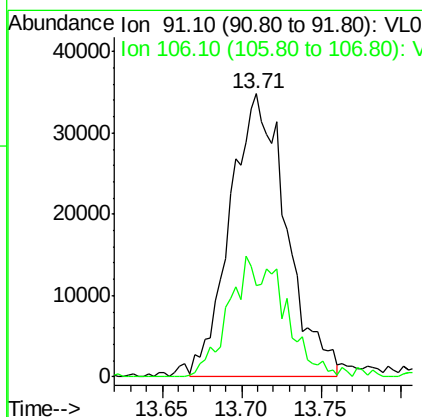
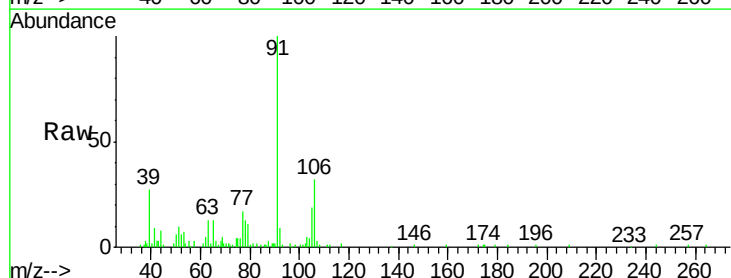
Manual Integrations
APPROVED

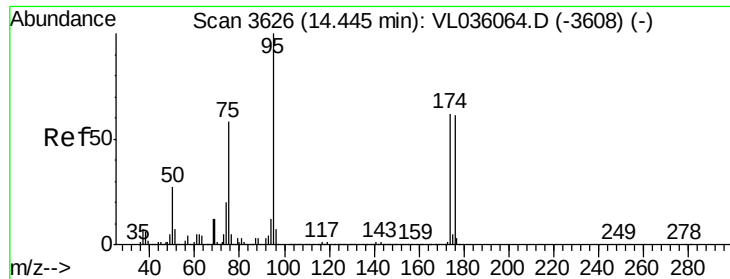
MMDadoda
12/11/2020 12:24:22 PM



#60
o-Xylene
Concen: 0.335 ppbv m
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL036126.D
Acq: 9 Dec 2020 11:40

Tgt Ion: 91 Resp: 85553
Ion Ratio Lower Upper
91 100
106 42.8 21.6 64.6





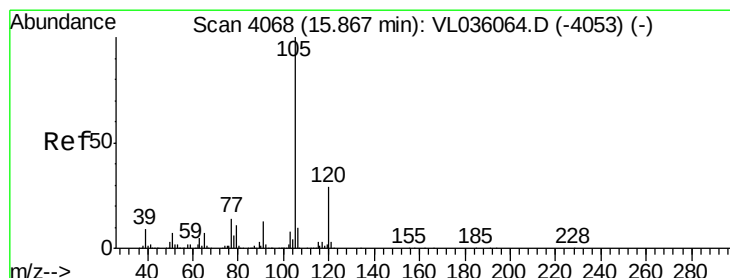
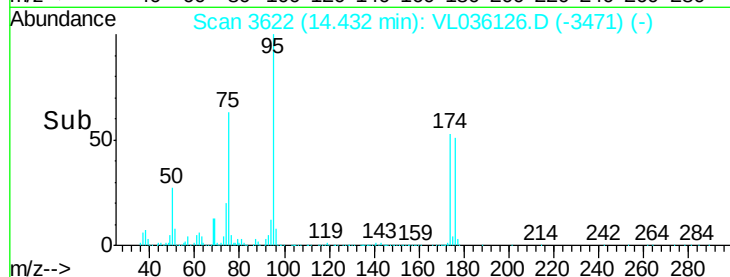
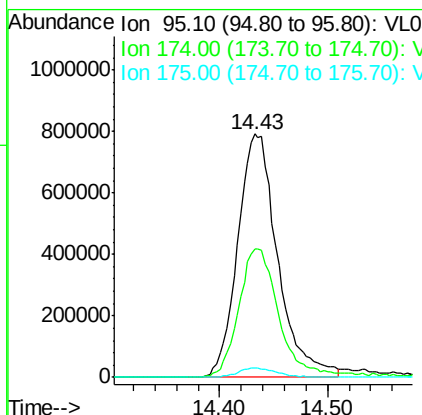
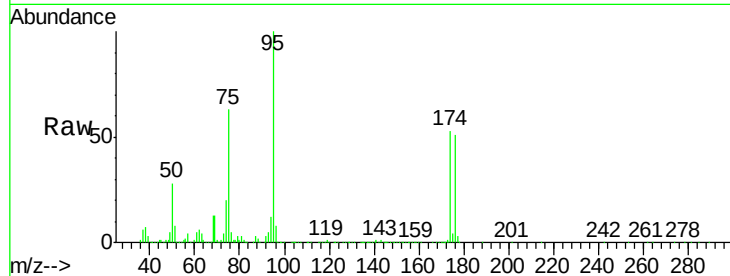
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.953 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL036126.D
 Acq: 9 Dec 2020 11:40

Instrument :
 MSVOA_L
 ClientSampled :
 IA-4DL2

Tot Ion: 95 Resp: 2040729
 Ion Ratio Lower Upper
 95 100
 174 55.4 50.7 76.1
 175 3.8 4.0 6.0#

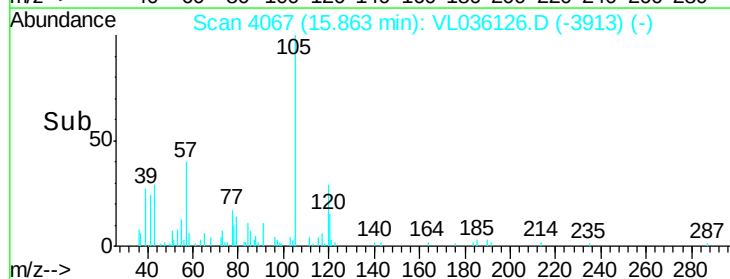
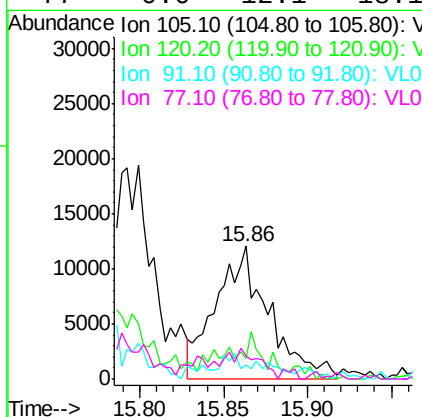
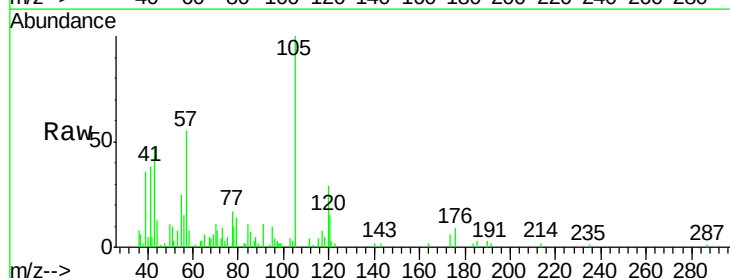
Manual Integrations
 APPROVED

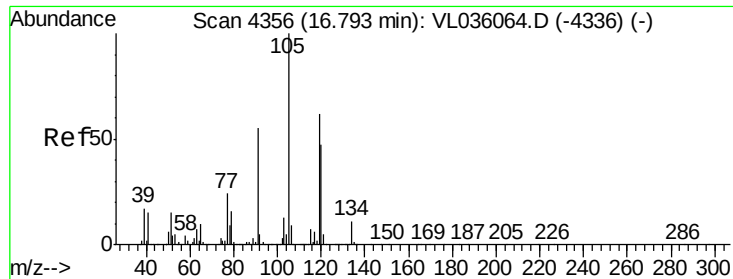
MMDadoda
 12/11/2020 12:24:22 PM



#72
 4-Ethyltoluene
 Concen: 0.096 ppbv m
 RT: 15.86 min Scan# 4067
 Delta R.T. -0.00 min
 Lab File: VL036126.D
 Acq: 9 Dec 2020 11:40

Tgt Ion: 105 Resp: 26511
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.6 35.4#
 91 0.0 11.4 17.0#
 77 0.0 12.1 18.1#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.175 ppbv m
 RT: 16.78 min Scan# 4353
 Delta R.T. -0.01 min
 Lab File: VL036126.D
 Acq: 9 Dec 2020 11:40

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL2

Tot Ion:	105	Resp:	46433
Ion Ratio	Lower	Upper	
105	100		
120	32.6	37.4	56.0#
91	14.0	45.6	68.4#
77	20.2	19.4	29.2

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:24:22 PM

