

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL035002.D
 Acq On : 13 May 2020 00:51
 Operator : SY/AP
 Sample : L2566-01DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-6DL

Manual Integrations
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 5/13/2020 5:12:57 PM

Quant Time: May 14 14:17:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	997552	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2339644	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2187301	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.43	95	1818901	10.27	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	16655	0.337	ppbv	96
10) Heptane	8.11	43	33525m	0.271	ppbv	
13) Ethanol	3.56	45	81201	4.979	ppbv	83
15) Acetone	3.82	43	147153m	1.116	ppbv	
19) Isopropyl Alcohol	3.93	45	280536	3.190	ppbv #	97
26) Hexane	5.66	57	63156m	0.658	ppbv	
30) Cyclohexane	7.12	84	22611	0.305	ppbv #	86
31) cis-1,2-Dichloroethene	5.52	61	87609	0.935	ppbv	91
38) Trichloroethene	7.83	130	140183	1.876	ppbv	96
44) 2,2,4-Trimethylpentane	7.86	57	480182	1.400	ppbv	95
52) Tetrachloroethene	11.23	164	362246	5.281	ppbv	97
53) Toluene	9.81	91	892303	4.364	ppbv	99
58) Ethyl Benzene	12.72	91	68231m	0.252	ppbv	
59) m/p-Xylene	12.98	91	183941m	0.773	ppbv	
60) o-Xylene	13.70	91	55906m	0.238	ppbv	

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

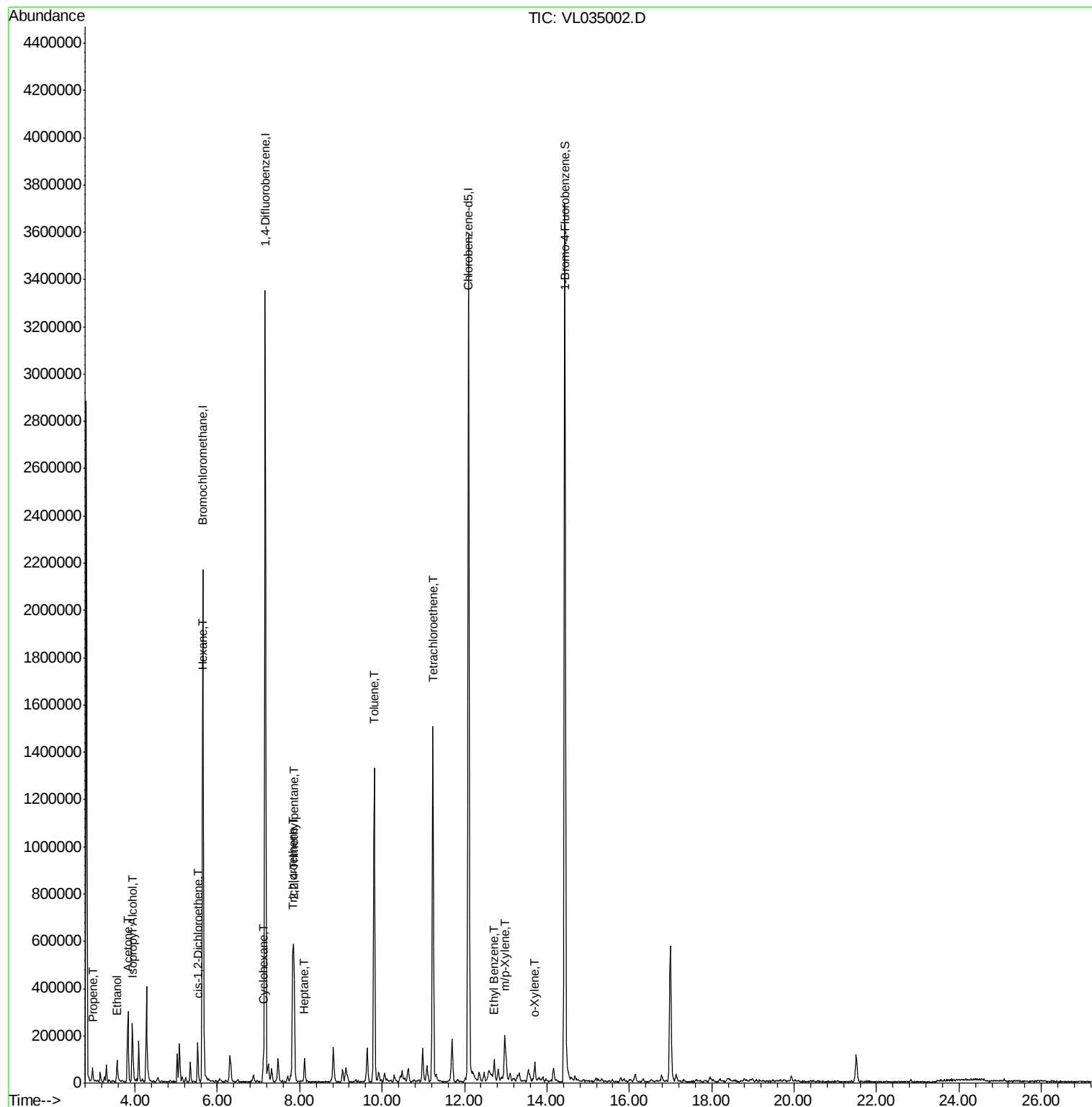
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051220\
Data File : VL035002.D
Acq On : 13 May 2020 00:51
Operator : SY/AP
Sample : L2566-01DL 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

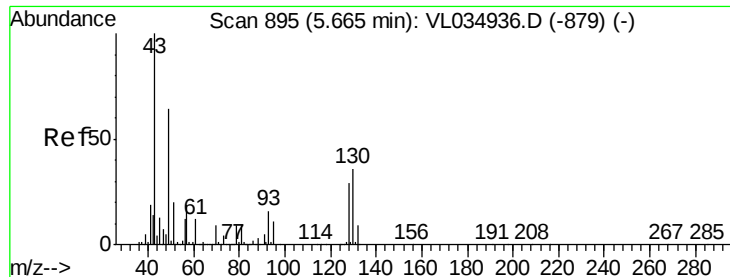
Instrument :
MSVOA_L
ClientSampleId :
SG-6DL

Manual Integrations
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Quant Time: May 14 14:17:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

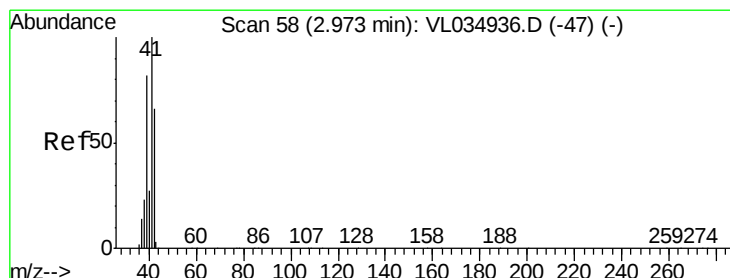
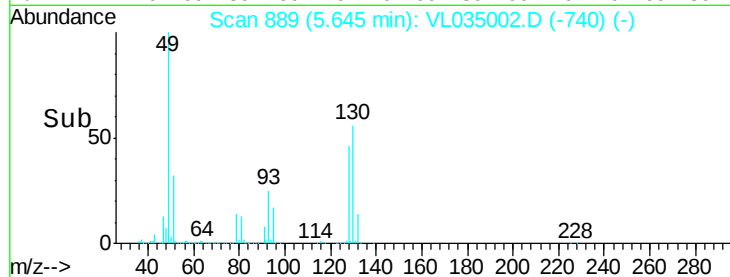
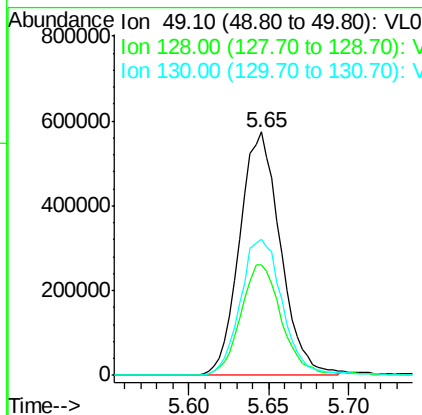
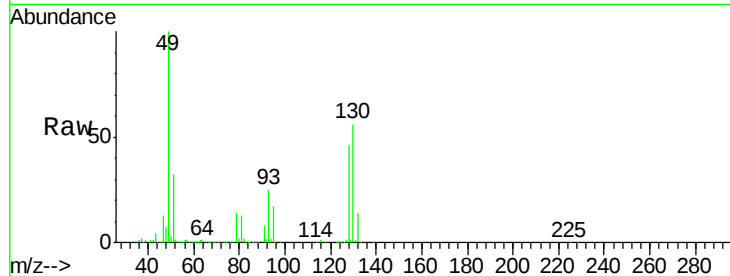
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 889
 Delta R.T. -0.02 min
 Lab File: VL035002.D
 Acq: 13 May 2020 00:51

Instrument :
 MSVOA_L
 ClientSampled :
 SG-6DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	46.1	22.1	66.5
130	58.3	29.1	87.3

Manual Integrations
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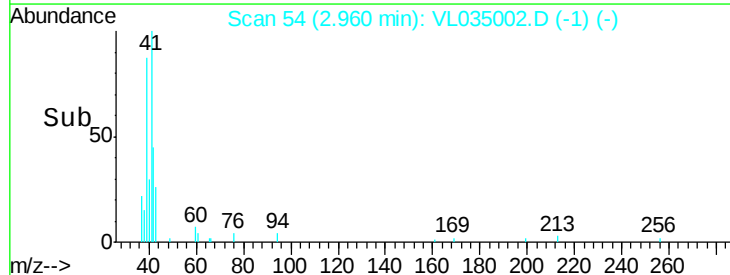
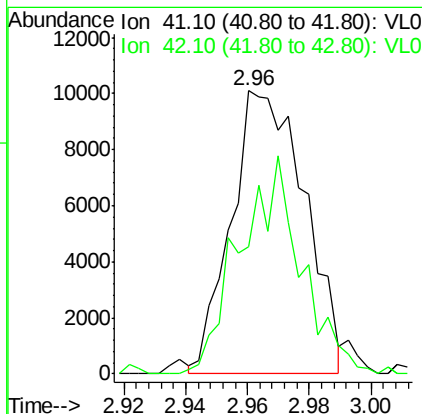
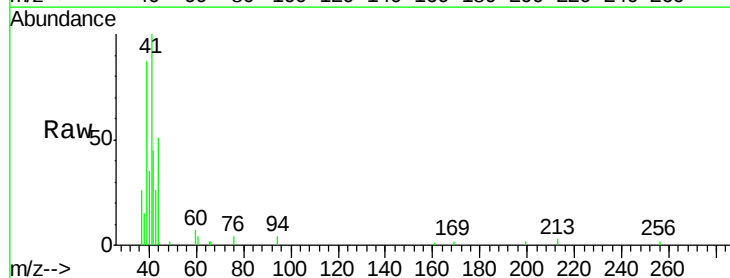
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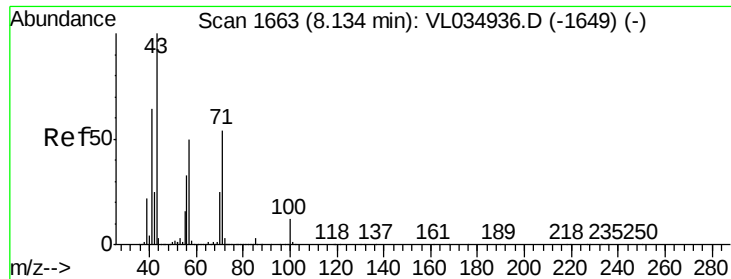


#9

Propene
 Concen: 0.337 ppbv
 RT: 2.96 min Scan# 54
 Delta R.T. -0.01 min
 Lab File: VL035002.D
 Acq: 13 May 2020 00:51

Tgt Ion	Ratio	Lower	Upper
41	100		
42	65.1	54.5	81.7





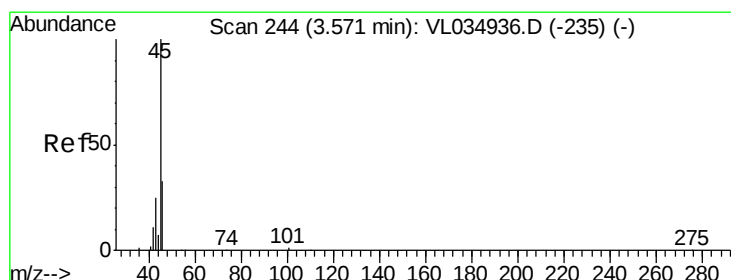
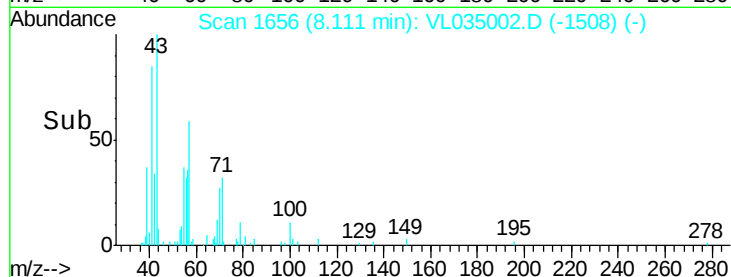
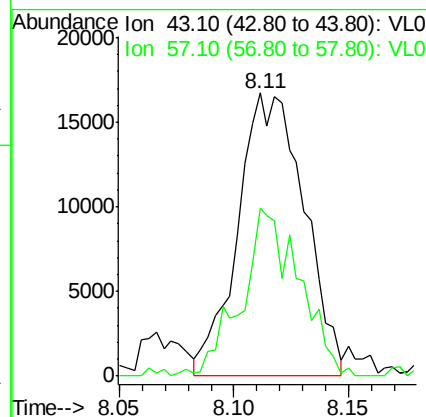
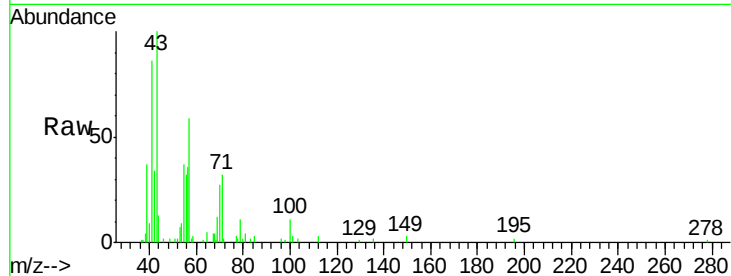
#10
Heptane
Concen: 0.271 ppbv m
RT: 8.11 min Scan# 1656
Delta R.T. -0.02 min
Lab File: VL035002.D
Acq: 13 May 2020 00:51

Instrument :
MSVOA_L
ClientSampled :
SG-6DL

Tot Ion: 43 Resp: 33525
Ion Ratio Lower Upper
43 100
57 52.8 41.1 61.7

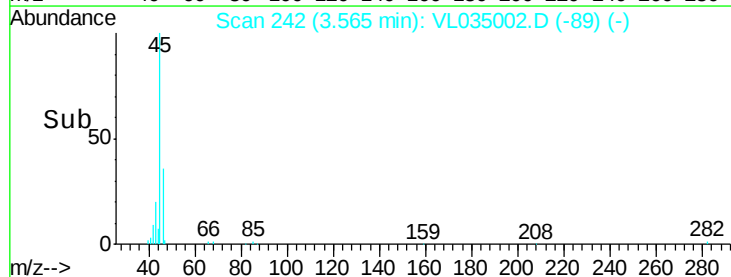
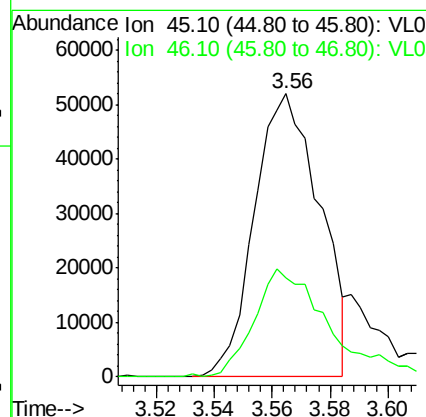
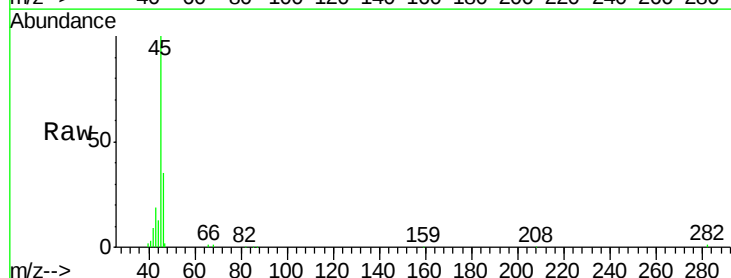
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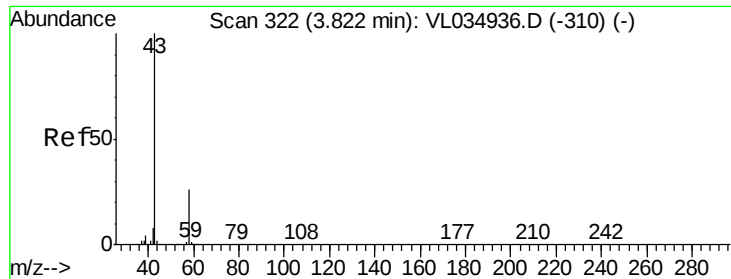
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#13
Ethanol
Concen: 4.979 ppbv
RT: 3.56 min Scan# 242
Delta R.T. -0.01 min
Lab File: VL035002.D
Acq: 13 May 2020 00:51

Tgt Ion: 45 Resp: 81201
Ion Ratio Lower Upper
45 100
46 45.8 14.3 57.3





#15

Acetone

Concen: 1.116 ppbv m

RT: 3.82 min Scan# 320

Delta R.T. -0.01 min

Lab File: VL035002.D

Acq: 13 May 2020 00:51

Instrument :

MSVOA_L

ClientSampleId :

SG-6DL

Tot Ion: 43 Resp: 147153

Ion Ratio Lower Upper

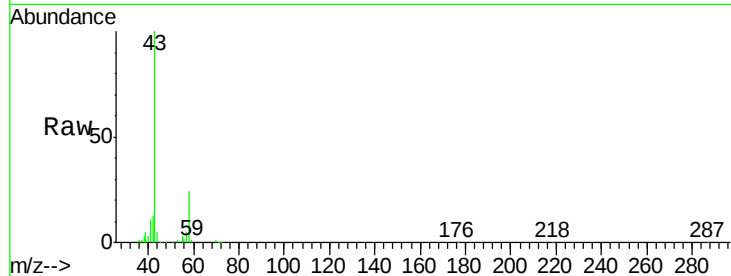
43 100

58 29.3 21.7 32.5

Manual Integrations
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

120000

100000

80000

60000

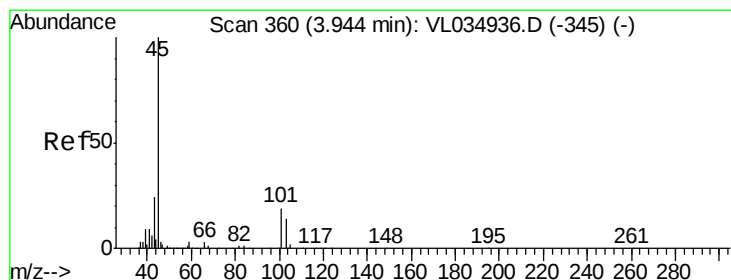
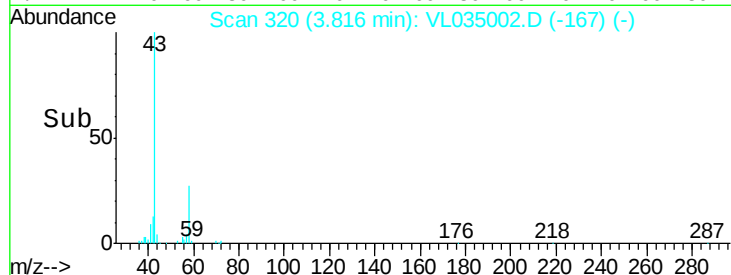
40000

20000

0

3.78 3.80 3.82 3.84

Time-->



#19

Isopropyl Alcohol

Concen: 3.190 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.01 min

Lab File: VL035002.D

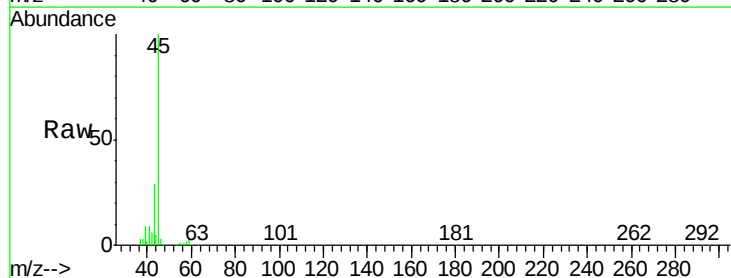
Acq: 13 May 2020 00:51

Tgt Ion: 45 Resp: 280536

Ion Ratio Lower Upper

45 100

58 3.0 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

150000

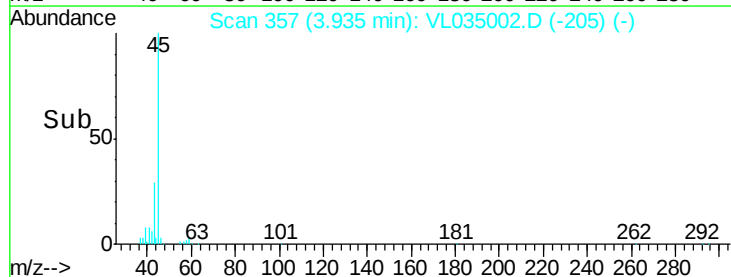
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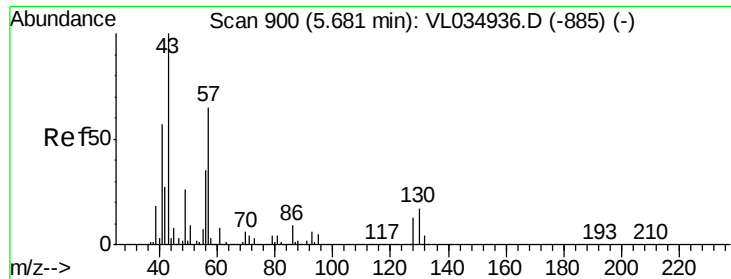
50000

0

3.90 3.95 4.00

Time-->





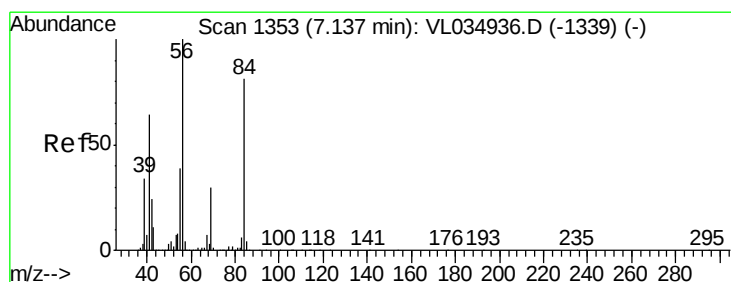
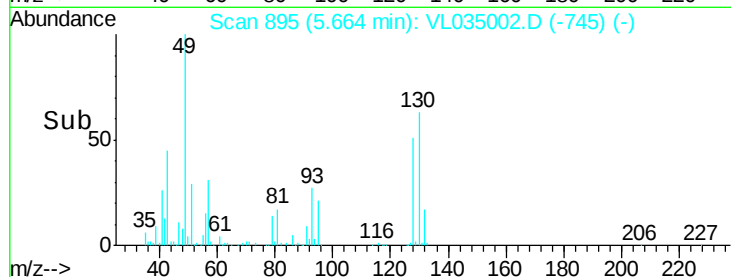
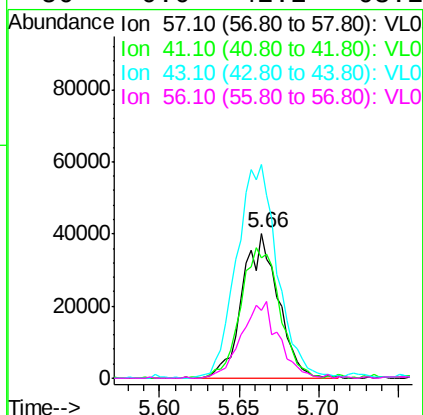
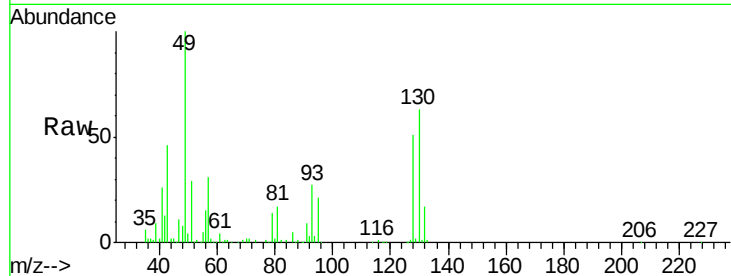
#26
Hexane
Concen: 0.658 ppbv m
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035002.D
Acq: 13 May 2020 00:51

Instrument :
MSVOA_L
ClientSampleId :
SG-6DL

Tot Ion: 57 Resp: 63156
Ion Ratio Lower Upper
57 100
41 0.0 72.7 109.1#
43 0.0 182.1 273.1#
56 0.0 42.2 63.2#

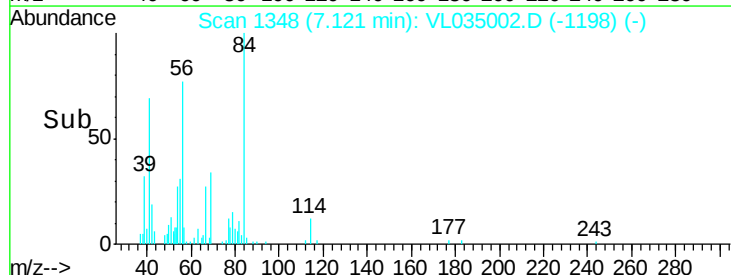
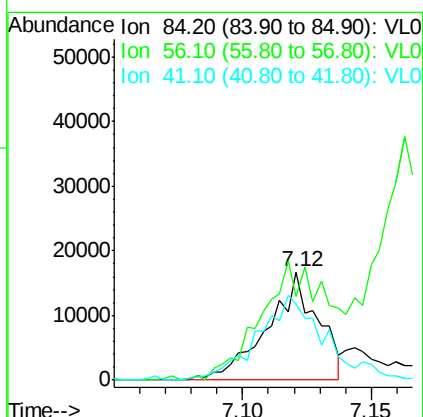
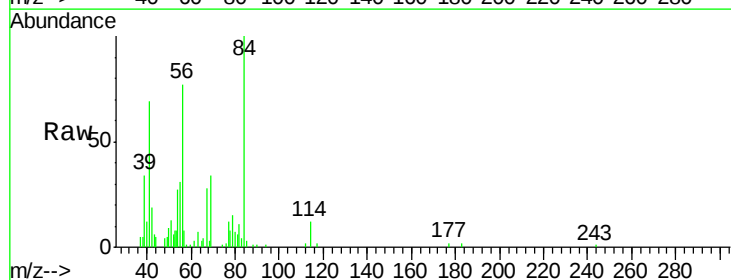
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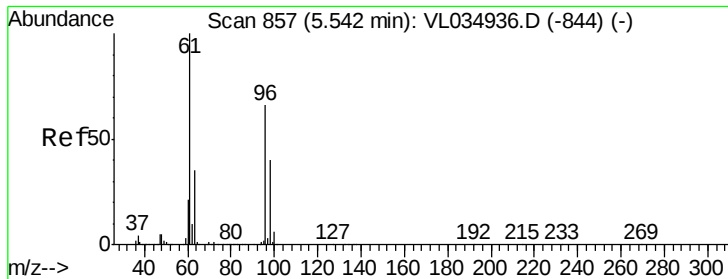
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#30
Cyclohexane
Concen: 0.305 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.02 min
Lab File: VL035002.D
Acq: 13 May 2020 00:51

Tgt Ion: 84 Resp: 22611
Ion Ratio Lower Upper
84 100
56 129.9 111.4 167.2
41 105.7 66.7 100.1#





#31

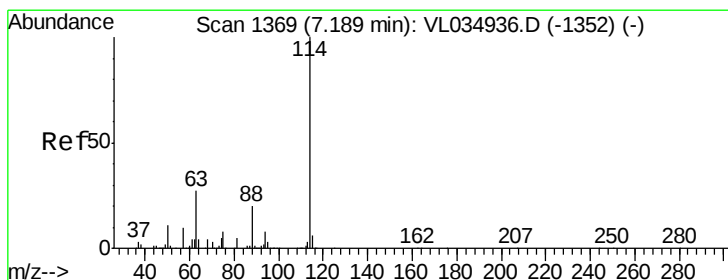
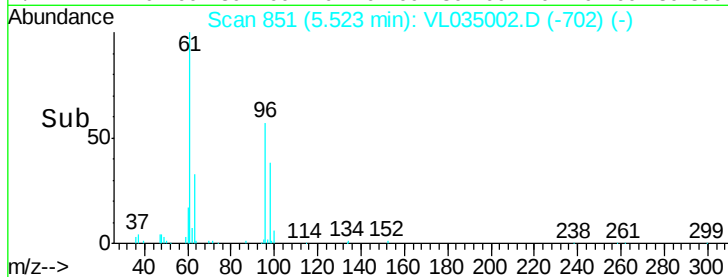
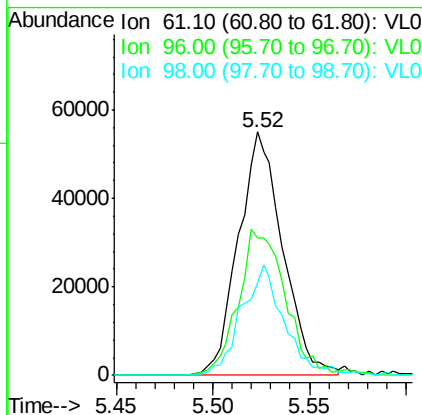
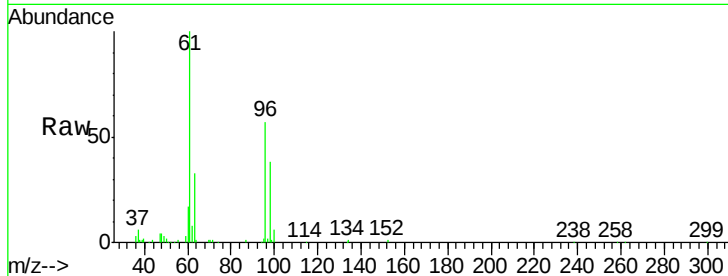
cis-1,2-Dichloroethene
 Concen: 0.935 ppbv
 RT: 5.52 min Scan# 851
 Delta R.T. -0.02 min
 Lab File: VL035002.D
 Acq: 13 May 2020 00:51

Instrument :
 MSVOA_L
 ClientSampleID :
 SG-6DL

Tot Ion:	61	Resp:	87609
Ion Ratio	Lower	Upper	
61	100		
96	56.6	53.0	79.6
98	38.0	32.2	48.2

Manual Integrations
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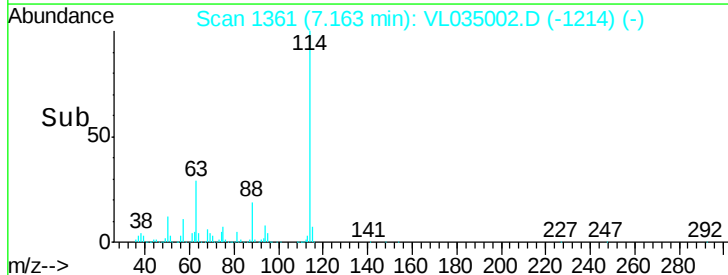
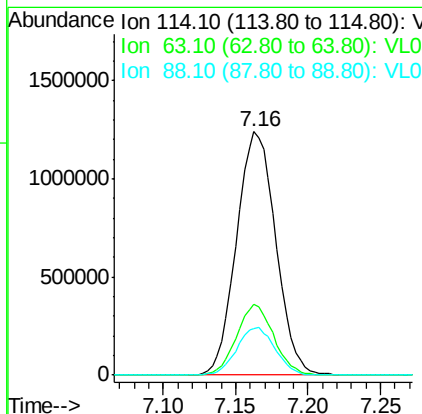
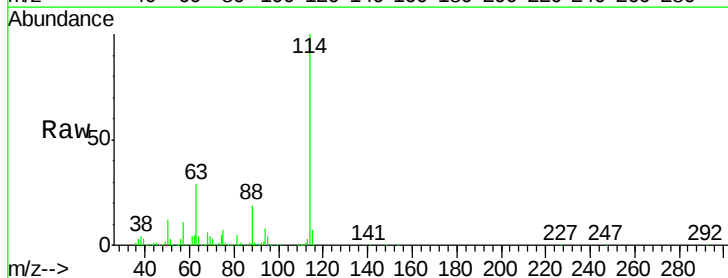
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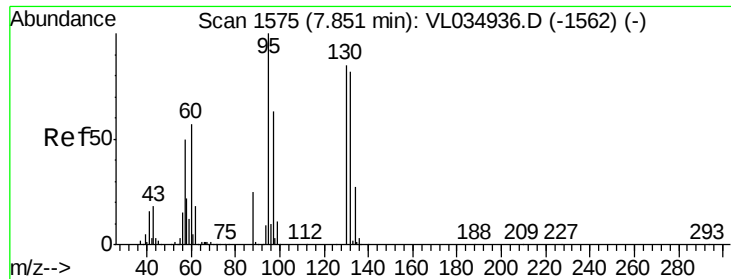


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.03 min
 Lab File: VL035002.D
 Acq: 13 May 2020 00:51

Tgt Ion:	114	Resp:	2339644
Ion Ratio	Lower	Upper	
114	100		
63	27.4	22.2	33.4
88	19.3	15.5	23.3





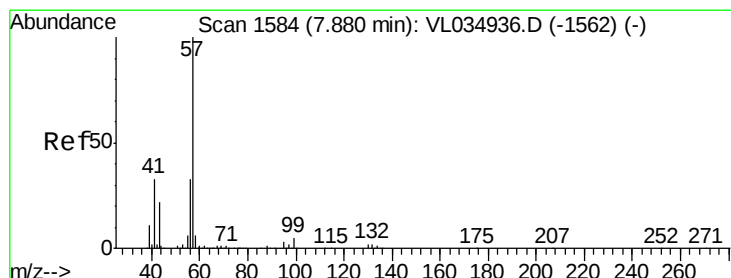
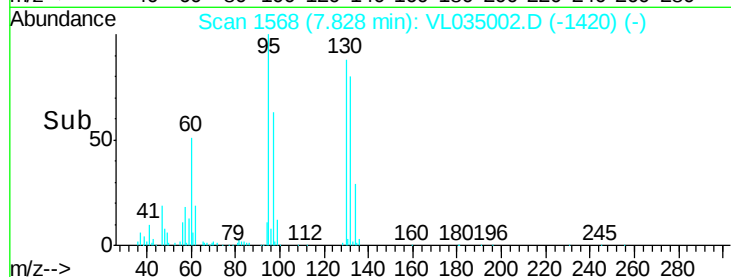
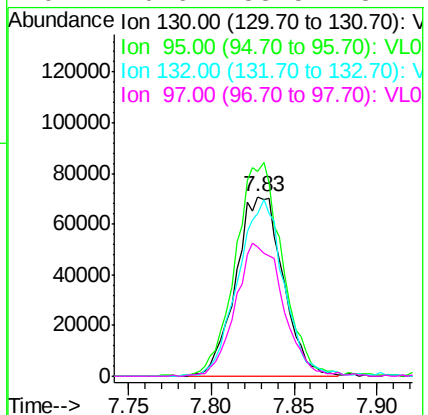
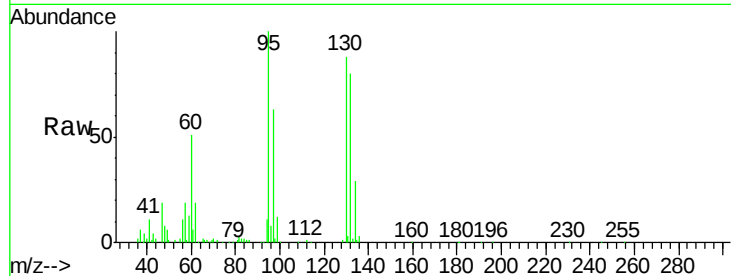
#38
 Trichloroethene
 Concen: 1.876 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VL035002.D
 Acq: 13 May 2020 00:51

Instrument :
 MSVOA_L
 ClientSampled :
 SG-6DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		140183		
95	113.3		93.4	140.0	
132	90.1		76.4	114.6	
97	70.6		58.5	87.7	

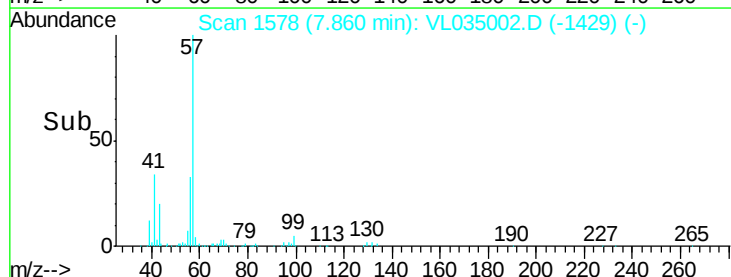
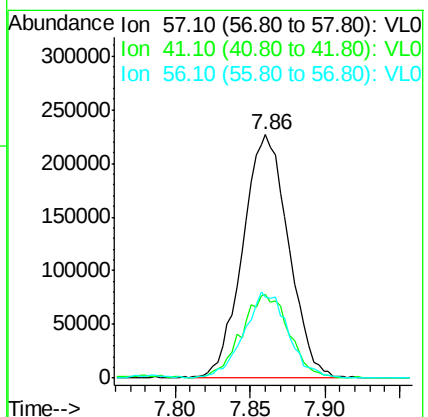
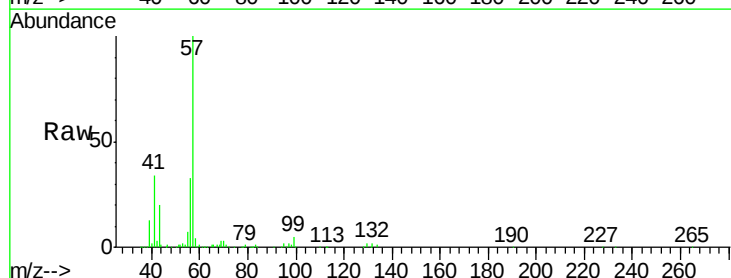
Manual Integrations
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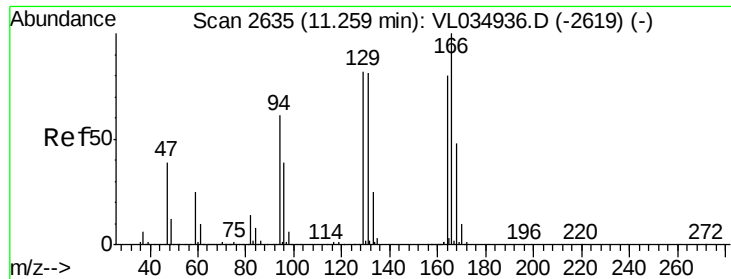
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#44
 2,2,4-Trimethylpentane
 Concen: 1.400 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: VL035002.D
 Acq: 13 May 2020 00:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		480182		
41	36.4		26.4	39.6	
56	34.6		25.5	38.3	





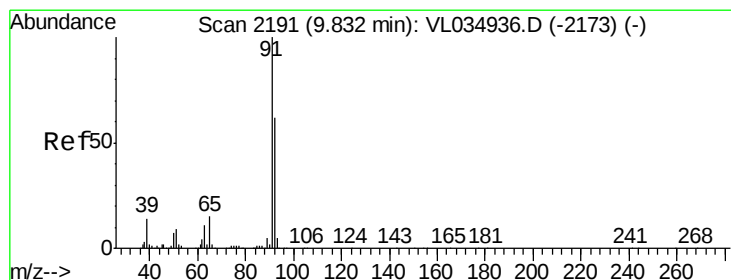
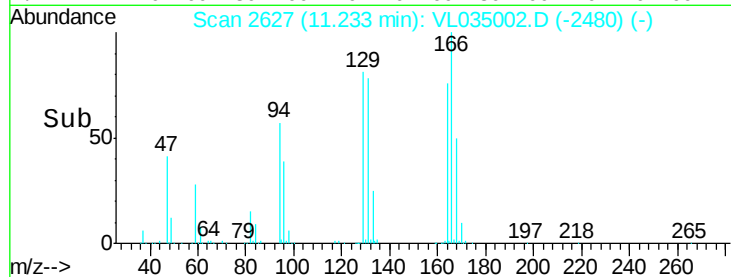
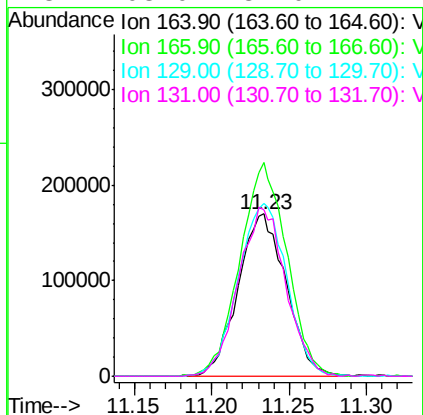
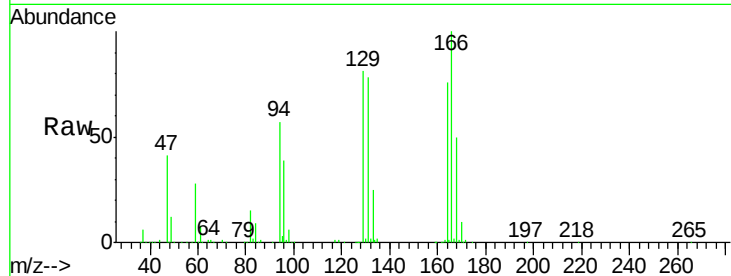
#52
Tetrachloroethene
Concen: 5.281 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. -0.03 min
Lab File: VL035002.D
Acq: 13 May 2020 00:51

Instrument :
MSVOA_L
ClientSampleId :
SG-6DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.3	100.7	151.1
129	106.6	83.0	124.4
131	103.0	81.0	121.4

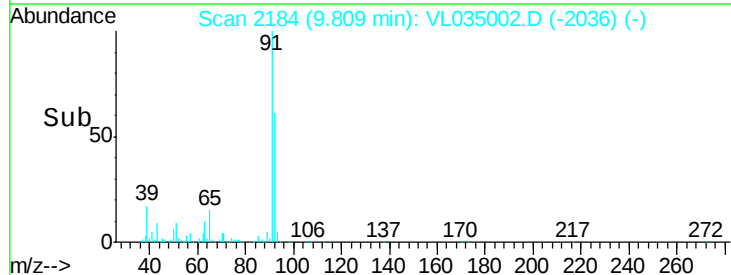
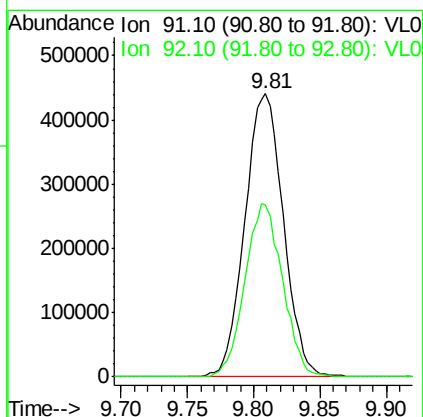
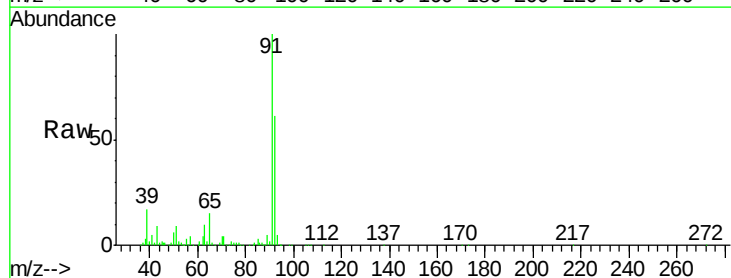
Manual Integrations
APPROVED

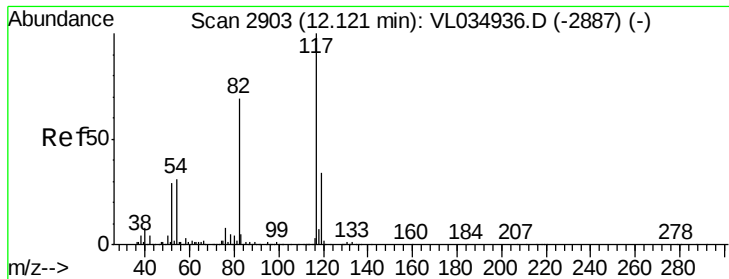
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#53
Toluene
Concen: 4.364 ppbv
RT: 9.81 min Scan# 2184
Delta R.T. -0.02 min
Lab File: VL035002.D
Acq: 13 May 2020 00:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.6	73.0





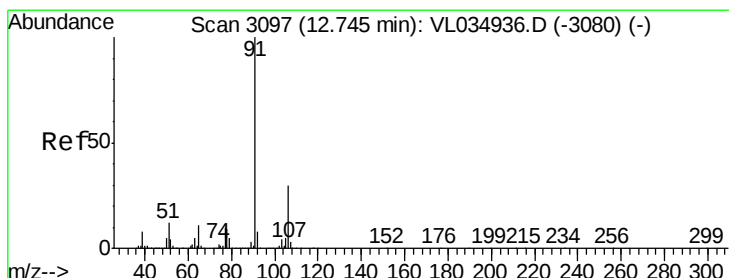
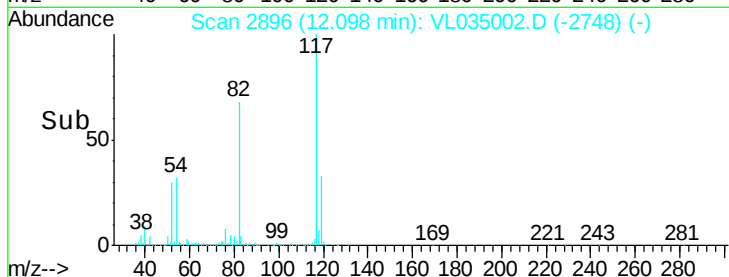
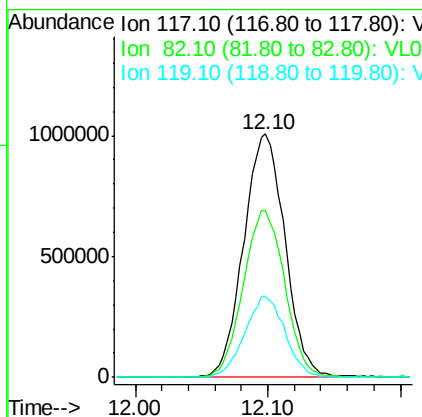
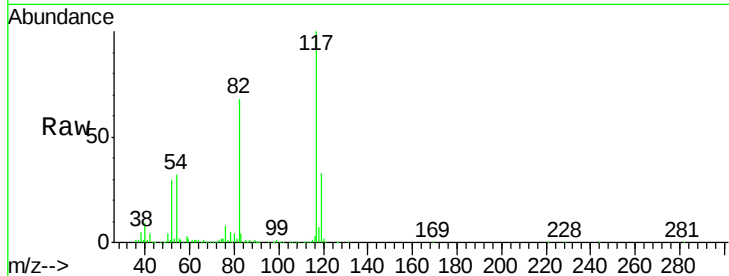
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL035002.D
Acq: 13 May 2020 00:51

Instrument :
MSVOA_L
ClientSampleId :
SG-6DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.8	53.1	79.7
119	32.6	26.7	40.1

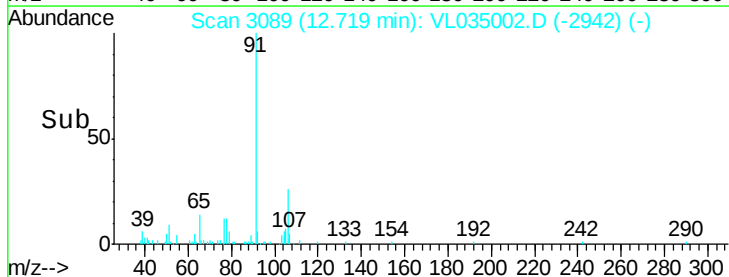
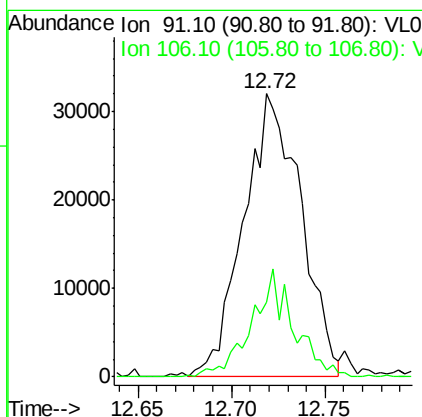
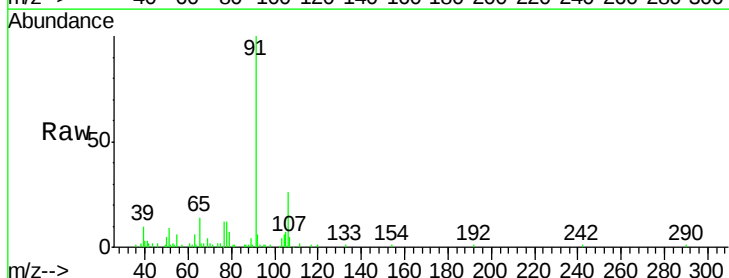
Manual Integrations
APPROVED

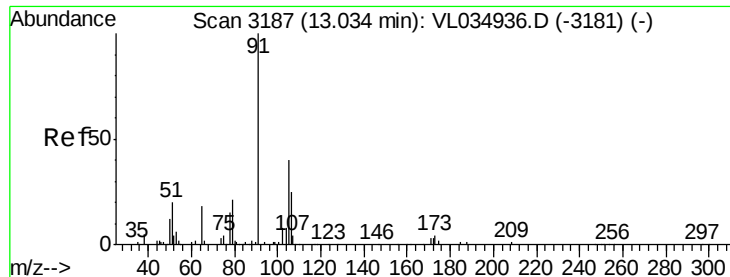
MMDadoda
5/13/2020 5:12:57 PM



#58
Ethyl Benzene
Concen: 0.252 ppbv m
RT: 12.72 min Scan# 3089
Delta R.T. -0.03 min
Lab File: VL035002.D
Acq: 13 May 2020 00:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.3	24.2	36.4





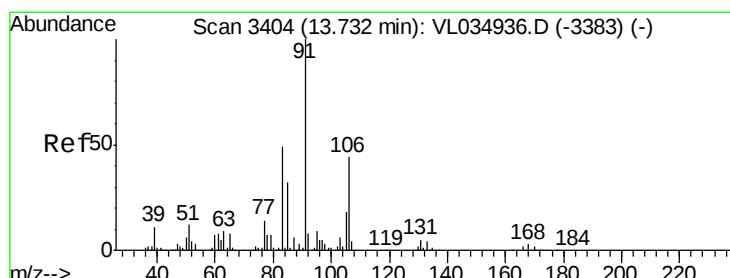
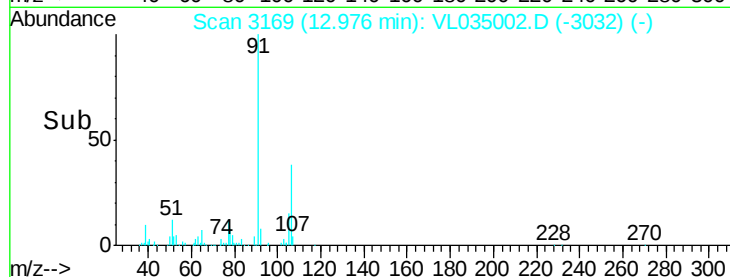
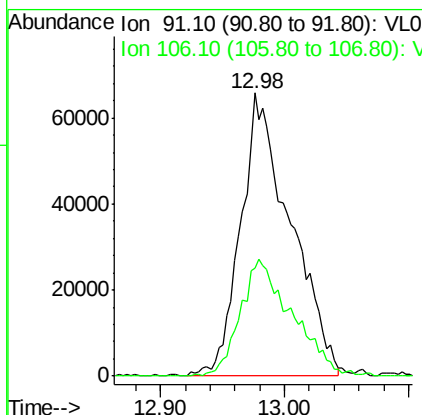
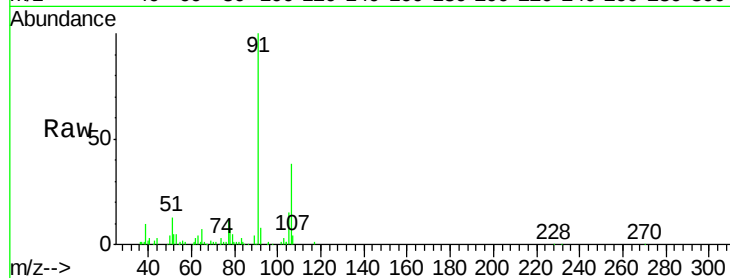
#59
m/p-Xylene
Concen: 0.773 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.06 min
Lab File: VL035002.D
Acq: 13 May 2020 00:51

Instrument :
MSVOA_L
ClientSampled :
SG-6DL

Tot Ion: 91 Resp: 183941
Ion Ratio Lower Upper
91 100
106 0.0 66.0 99.0#

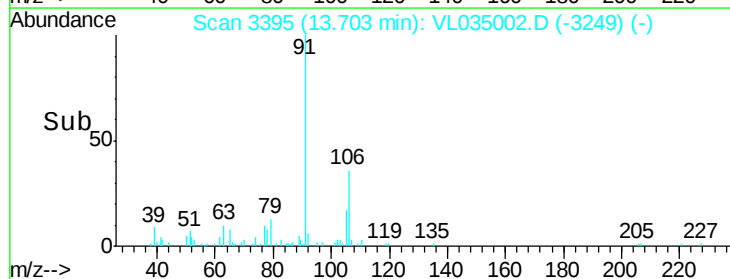
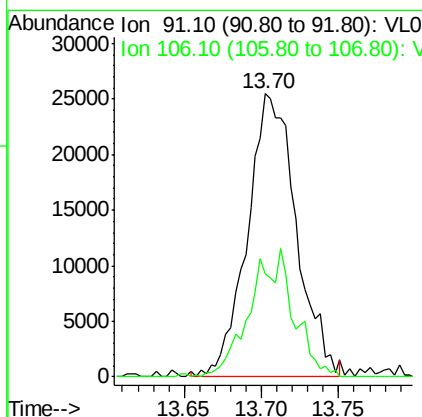
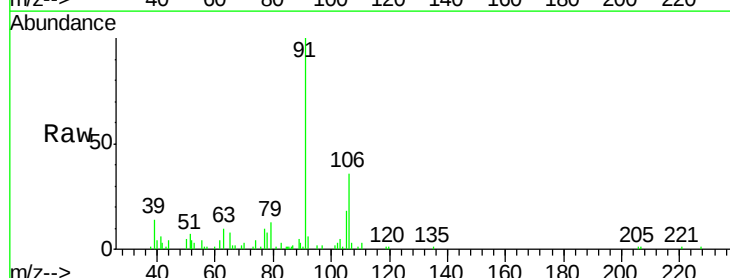
Manual Integrations
APPROVED

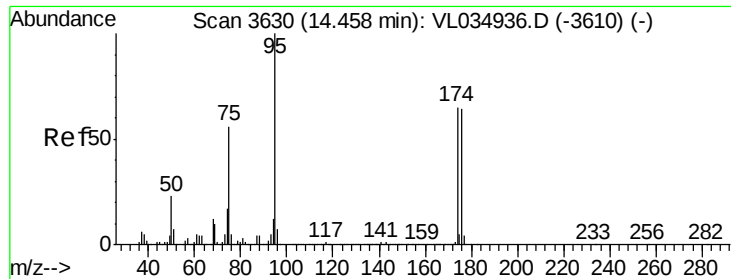
MMDadoda
5/13/2020 5:12:57 PM



#60
o-Xylene
Concen: 0.238 ppbv m
RT: 13.70 min Scan# 3395
Delta R.T. -0.03 min
Lab File: VL035002.D
Acq: 13 May 2020 00:51

Tgt Ion: 91 Resp: 55906
Ion Ratio Lower Upper
91 100
106 40.2 21.9 65.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.273 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.03 min
 Lab File: VL035002.D
 Acq: 13 May 2020 00:51

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-6DL

Tot Ion: 95 Resp: 1818901
 Ion Ratio Lower Upper
 95 100
 174 64.2 51.5 77.3
 175 4.8 3.8 5.8

Manual Integrations
 APPROVED

MMDadoda
 5/13/2020 5:12:57 PM

