

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022621\
 Data File : VL036400.D
 Acq On : 26 Feb 2021 13:32
 Operator : SY/AP
 Sample : M1502-02 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:08:25 AM

Quant Time: Feb 27 03:55:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1471960	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	3223706	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	2896426	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2356549	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	55406	0.813	ppbv	99
13) Ethanol	3.60	45	47935m	3.743	ppbv	
15) Acetone	3.84	43	246635	1.371	ppbv #	78
19) Isopropyl Alcohol	3.96	45	30866m	0.310	ppbv	
20) Methylene Chloride	4.32	84	354671	6.110	ppbv	91
26) Hexane	5.65	57	49961m	0.350	ppbv	
36) Benzene	6.86	78	33443m	0.122	ppbv	
38) Trichloroethene	7.79	130	3180m	0.032	ppbv	
52) Tetrachloroethene	11.19	164	5935m	0.059	ppbv	
53) Toluene	9.78	91	131993	0.445	ppbv	98
59) m/p-Xylene	12.94	91	104815m	0.301	ppbv	
60) o-Xylene	13.66	91	49369m	0.148	ppbv	
61) Styrene	13.50	104	29578m	0.143	ppbv	

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

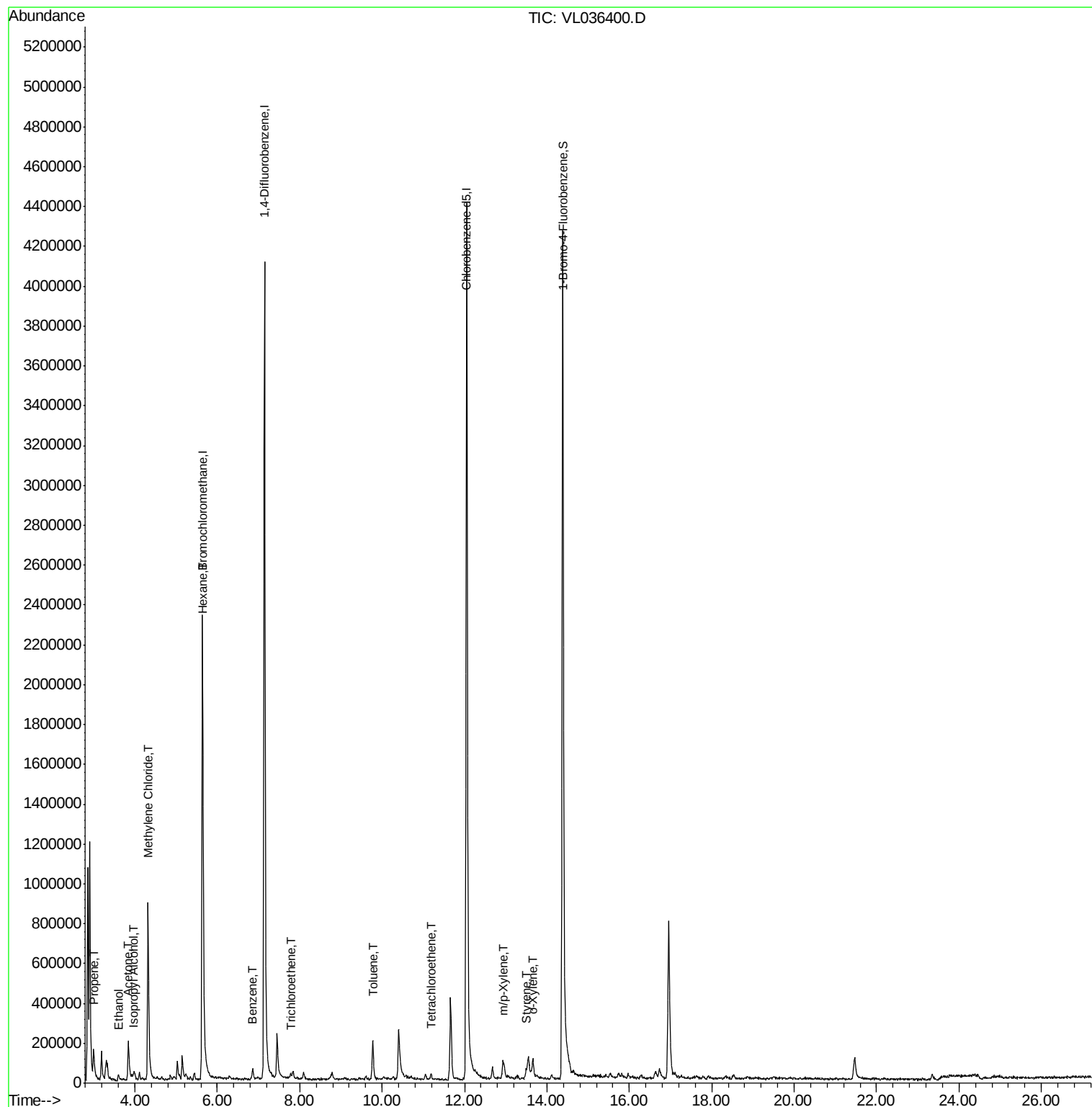
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022621\
Data File : VL036400.D
Acq On : 26 Feb 2021 13:32
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

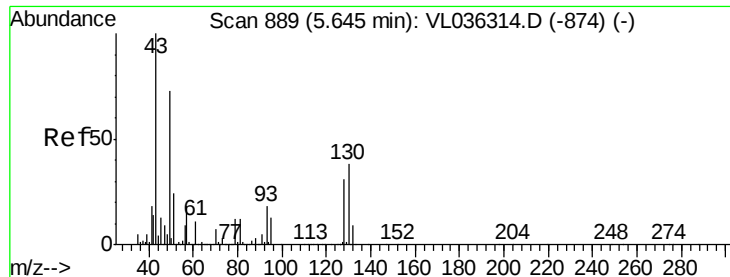
Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
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Quant Time: Feb 27 03:55:22 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.01 min

Lab File: VL036400.D

Acq: 26 Feb 2021 13:32

Instrument :

MSVOA_L

ClientSampled :

SG-5

Tot Ion: 49 Resp: 1471960

Ion Ratio Lower Upper

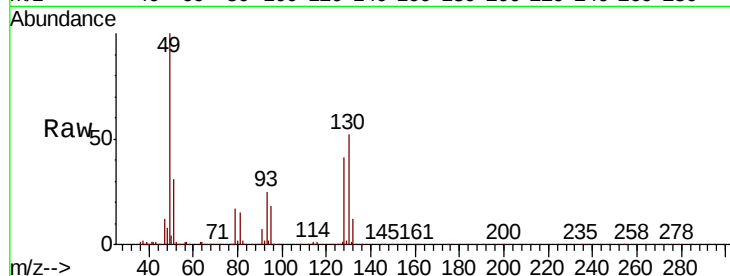
49 100

128 43.1 20.8 62.5

130 54.4 26.7 80.1

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

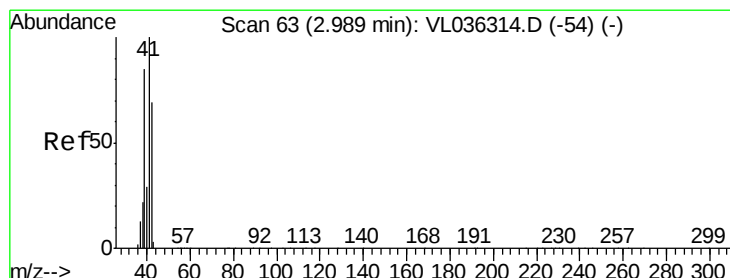
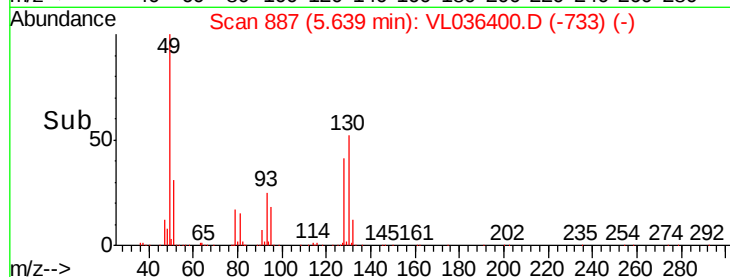
400000

200000

0

5.55 5.60 5.65 5.70 5.75

Time-->



#9

Propene

Concen: 0.813 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036400.D

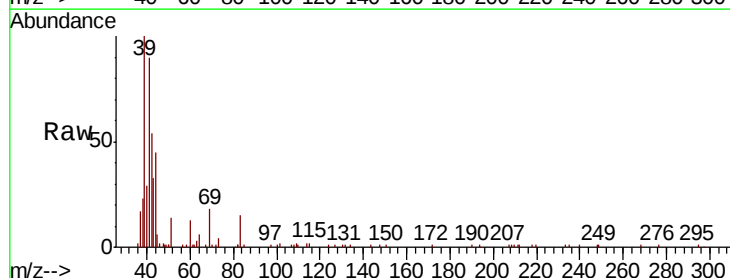
Acq: 26 Feb 2021 13:32

Tgt Ion: 41 Resp: 55406

Ion Ratio Lower Upper

41 100

42 70.8 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

30000

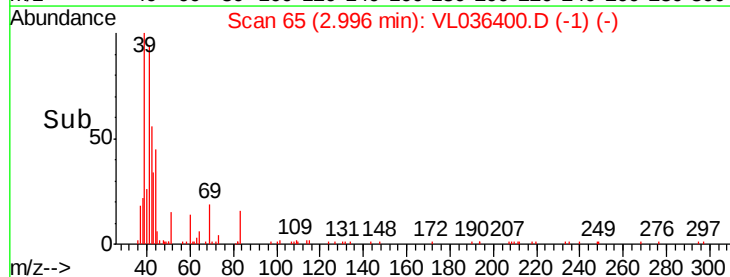
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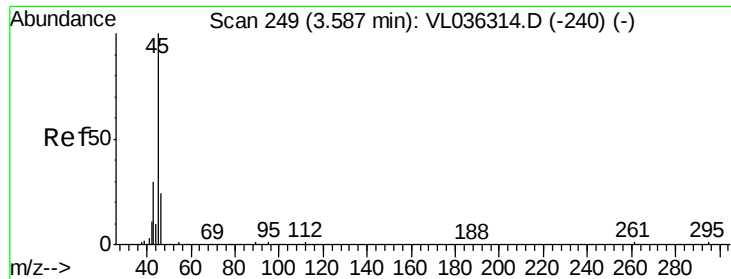
10000

0

2.95 3.00 3.05

Time-->





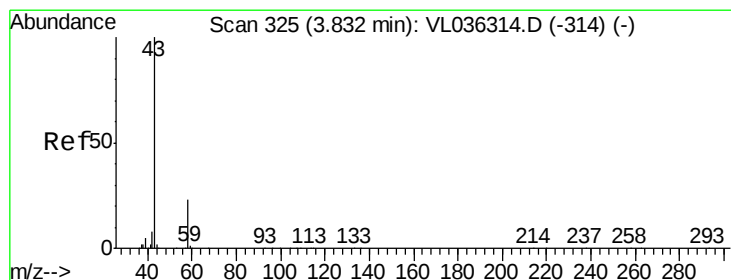
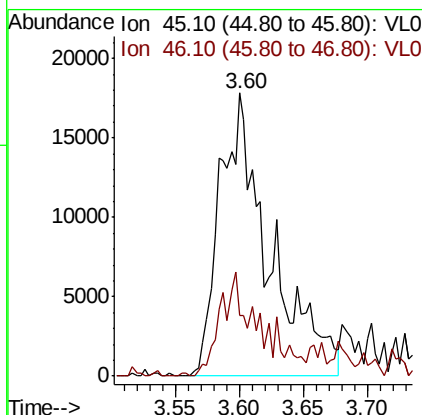
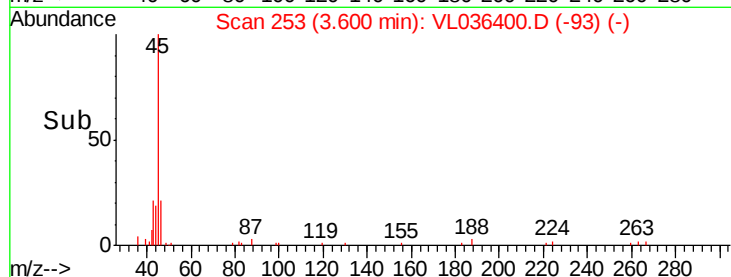
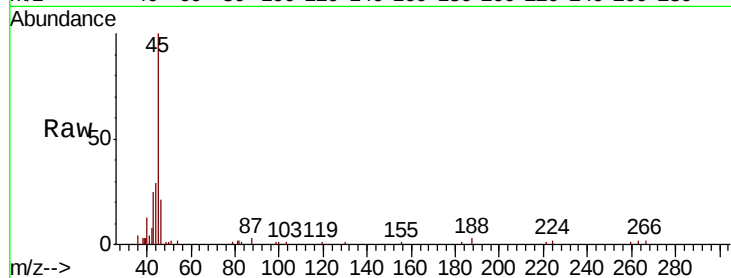
#13
Ethanol
Concen: 3.743 ppbv m
RT: 3.60 min Scan# 253
Delta R.T. 0.01 min
Lab File: VL036400.D
Acq: 26 Feb 2021 13:32

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tot Ion: 45 Resp: 47935
Ion Ratio Lower Upper
45 100
46 0.0 17.7 70.7#

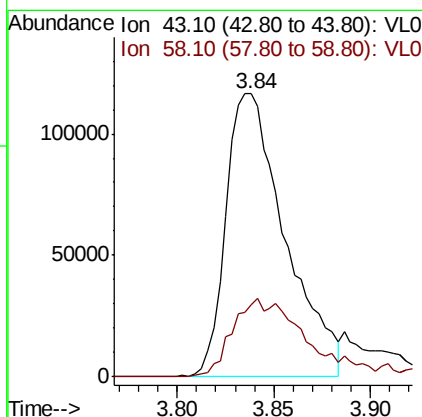
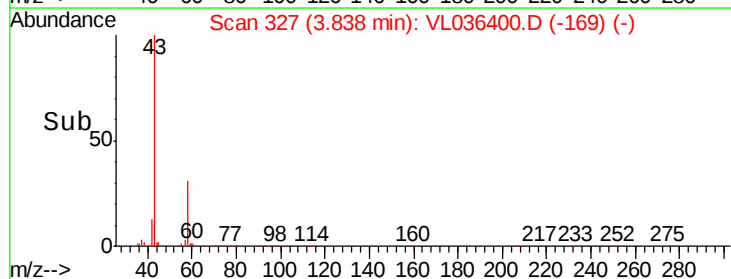
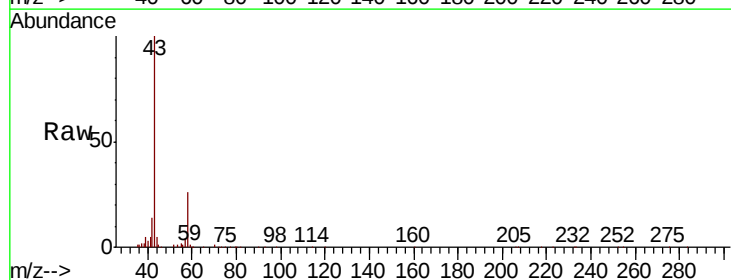
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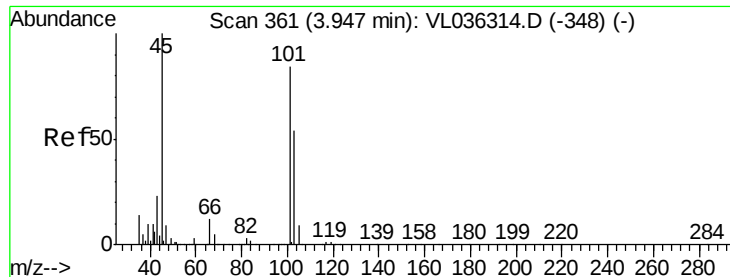
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#15
Acetone
Concen: 1.371 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL036400.D
Acq: 26 Feb 2021 13:32

Tgt Ion: 43 Resp: 246635
Ion Ratio Lower Upper
43 100
58 36.7 20.3 30.5#





#19

Isopropyl Alcohol

Concen: 0.310 ppbv m

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL036400.D

Acq: 26 Feb 2021 13:32

Instrument :

MSVOA_L

ClientSampled :

SG-5

Tot Ion: 45 Resp: 30866

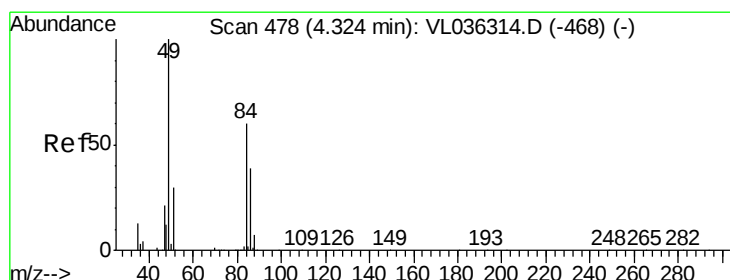
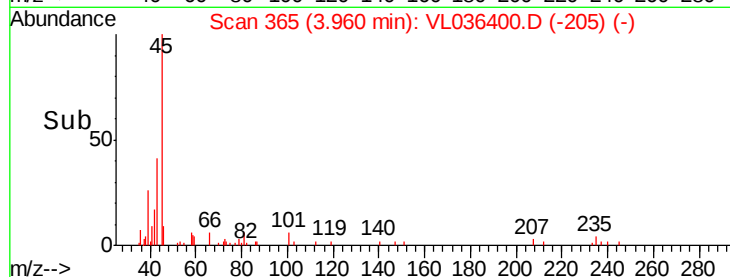
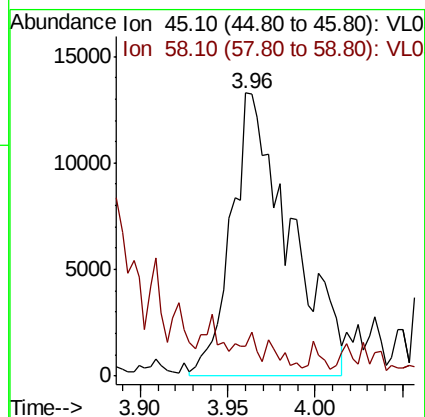
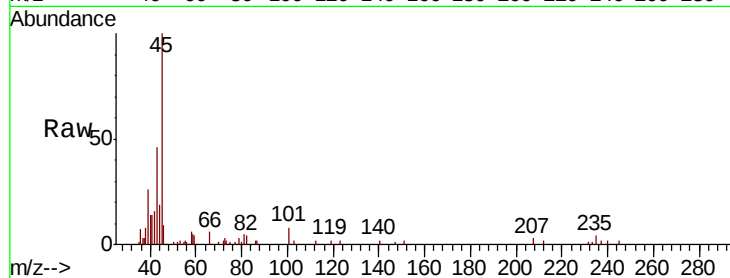
Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#

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#20

Methylene Chloride

Concen: 6.110 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.01 min

Lab File: VL036400.D

Acq: 26 Feb 2021 13:32

Tgt Ion: 84 Resp: 354671

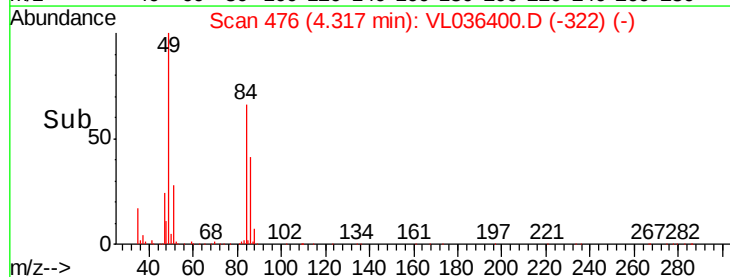
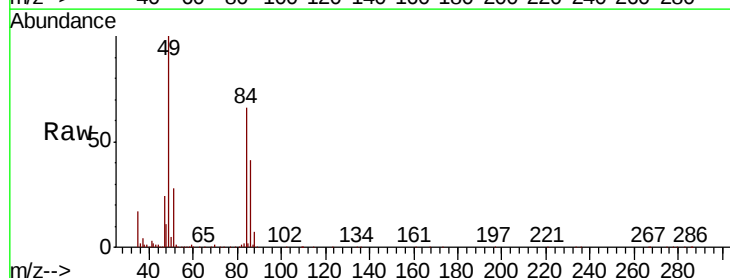
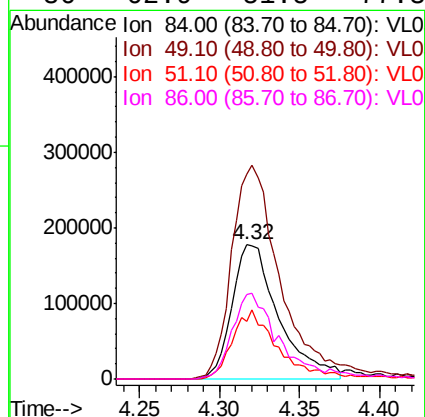
Ion Ratio Lower Upper

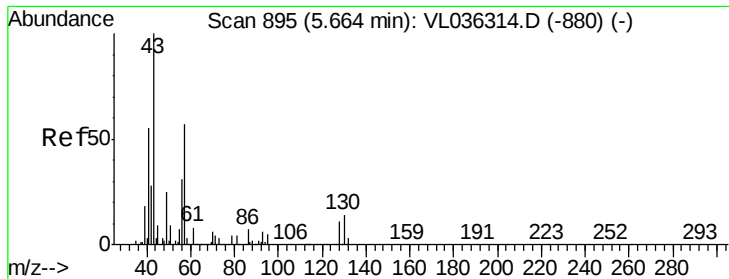
84 100

49 152.4 133.8 200.8

51 42.9 41.4 62.0

86 62.9 51.5 77.3





#26

Hexane

Concen: 0.350 ppbv m

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL036400.D

Acq: 26 Feb 2021 13:32

Instrument :

MSVOA_L

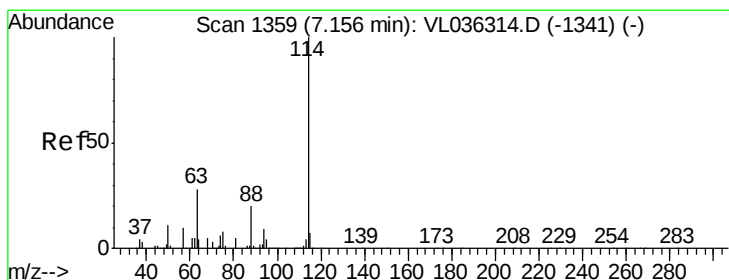
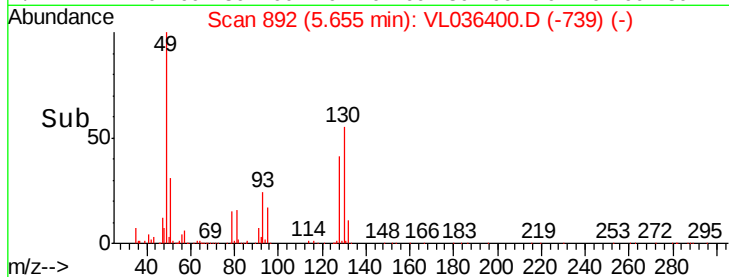
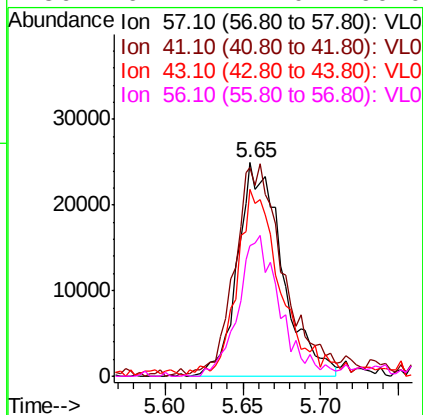
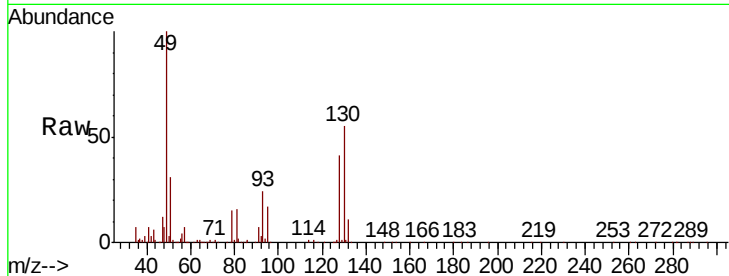
ClientSampled :

SG-5

Tot Ion:	57	Resp:	49961
Ion	Ratio	Lower	Upper
57	100		
41	114.8	81.7	122.5
43	0.0	199.1	298.7#
56	61.2	44.0	66.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

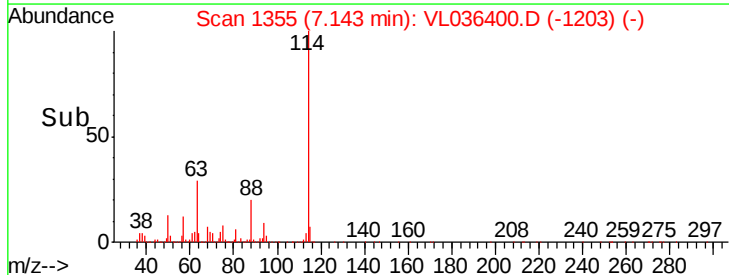
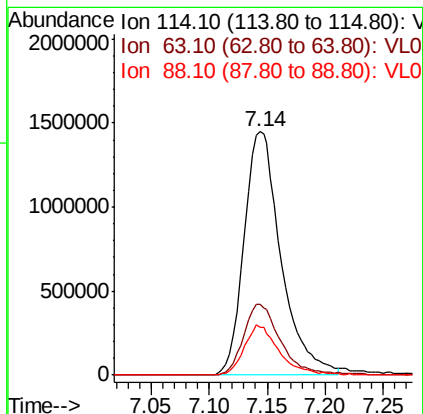
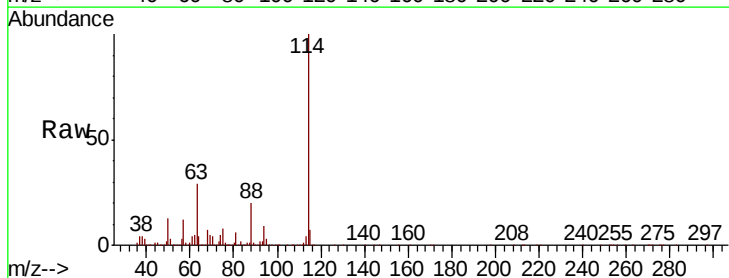
RT: 7.14 min Scan# 1355

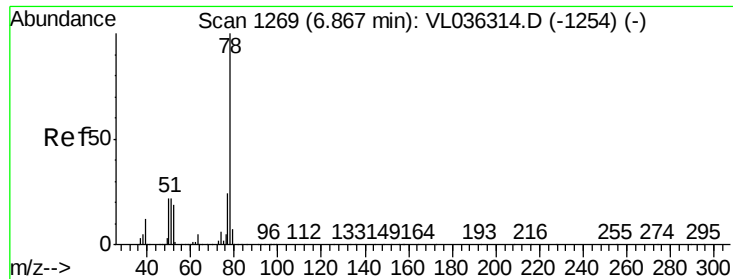
Delta R.T. -0.01 min

Lab File: VL036400.D

Acq: 26 Feb 2021 13:32

Tgt Ion:	114	Resp:	3223706
Ion	Ratio	Lower	Upper
114	100		
63	29.7	24.1	36.1
88	19.7	16.0	24.0





#36

Benzene

Concen: 0.122 ppbv m

RT: 6.86 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VL036400.D

Acq: 26 Feb 2021 13:32

Instrument :

MSVOA_L

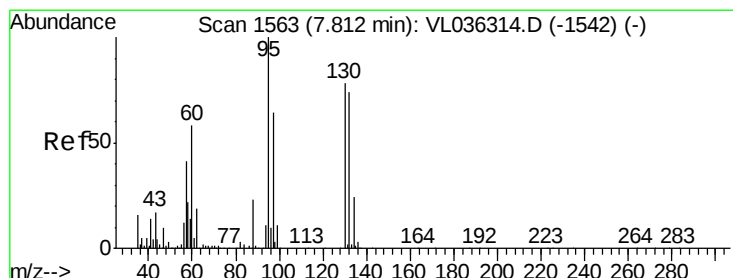
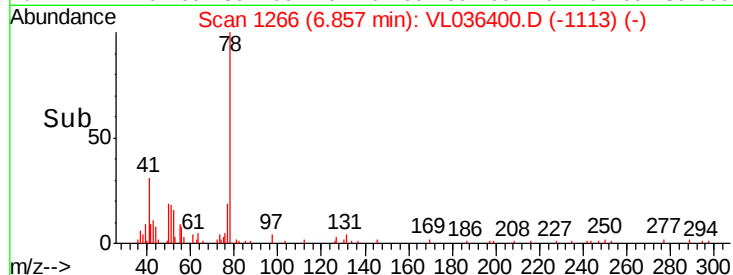
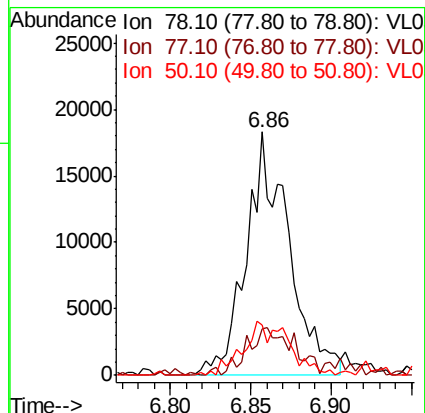
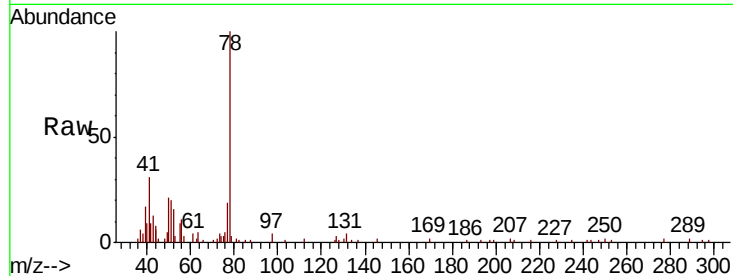
ClientSampleId :

SG-5

Tot Ion:	78	Resp:	33443
Ion	Ratio	Lower	Upper
78	100		
77	19.0	18.9	28.3
50	20.5	17.3	25.9

Manual Integrations
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#38

Trichloroethene

Concen: 0.032 ppbv m

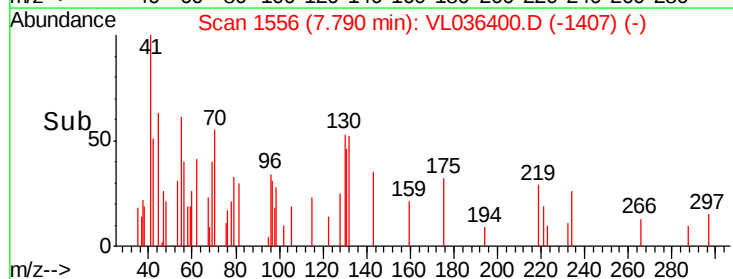
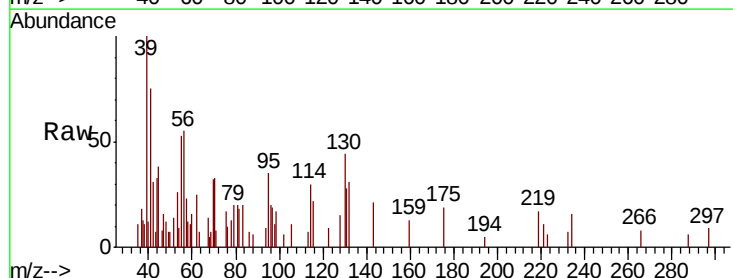
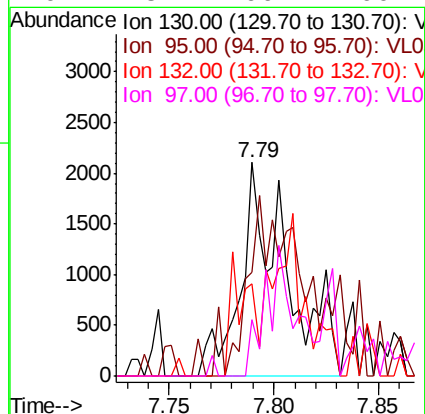
RT: 7.79 min Scan# 1556

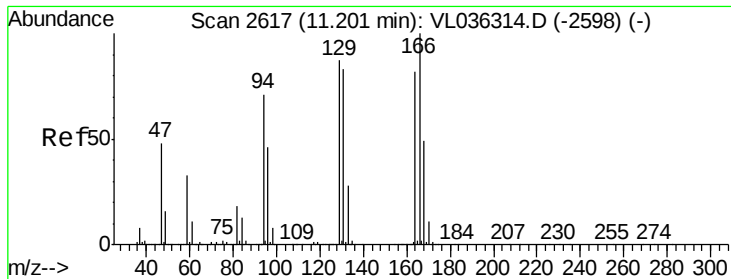
Delta R.T. -0.02 min

Lab File: VL036400.D

Acq: 26 Feb 2021 13:32

Tgt Ion:	130	Resp:	3180
Ion	Ratio	Lower	Upper
130	100		
95	79.1	102.8	154.2#
132	70.7	75.7	113.5#
97	43.2	66.2	99.2#





#52

Tetrachloroethene

Concen: 0.059 ppbv m

RT: 11.19 min Scan# 2612

Delta R.T. -0.02 min

Lab File: VL036400.D

Acq: 26 Feb 2021 13:32

Instrument :

MSVOA_L

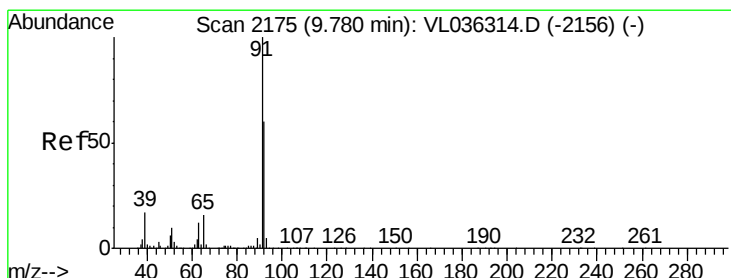
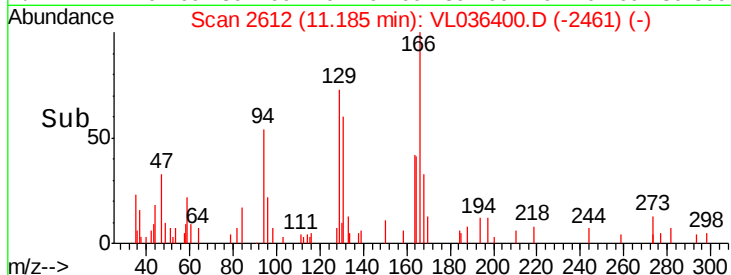
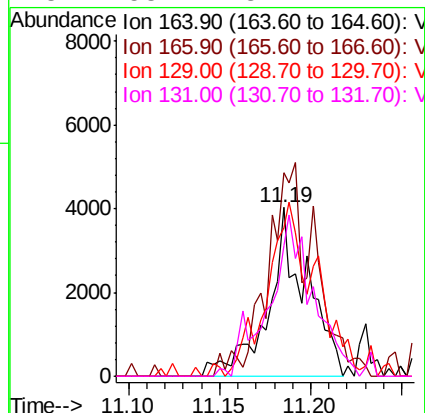
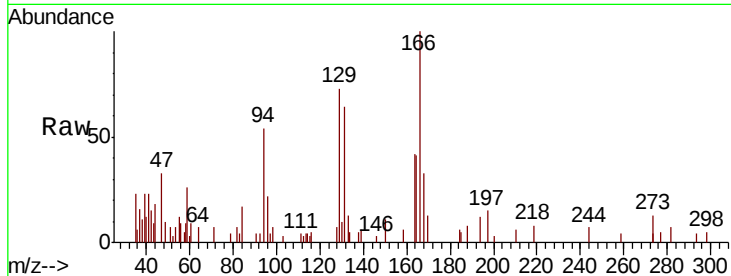
ClientSampleId :

SG-5

Tot Ion:	164	Resp:	5935
Ion	Ratio	Lower	Upper
164	100		
166	240.1	97.8	146.8#
129	175.2	84.9	127.3#
131	153.7	81.4	122.2#

Manual Integrations
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#53

Toluene

Concen: 0.445 ppbv

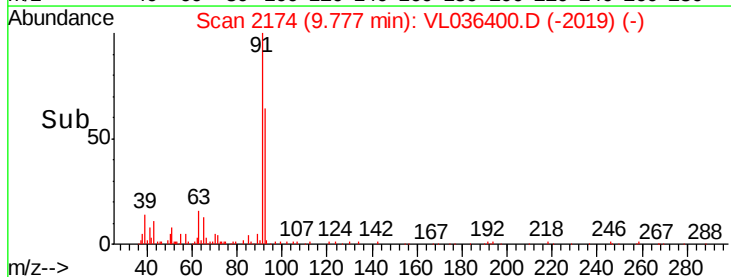
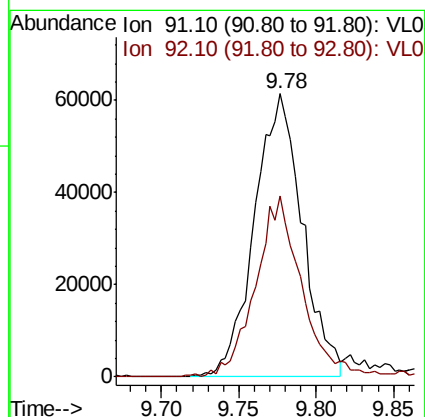
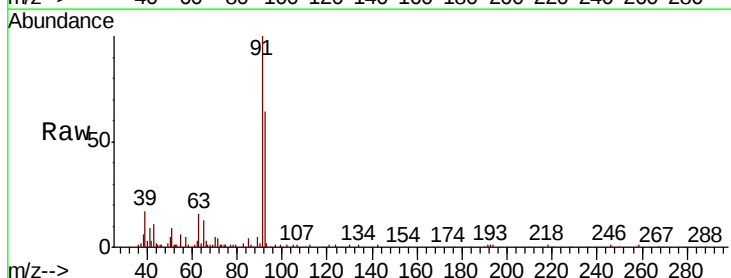
RT: 9.78 min Scan# 2174

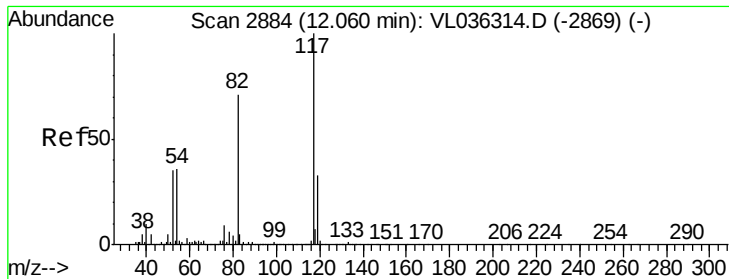
Delta R.T. -0.00 min

Lab File: VL036400.D

Acq: 26 Feb 2021 13:32

Tgt Ion:	91	Resp:	131993
Ion	Ratio	Lower	Upper
91	100		
92	62.5	48.6	72.8





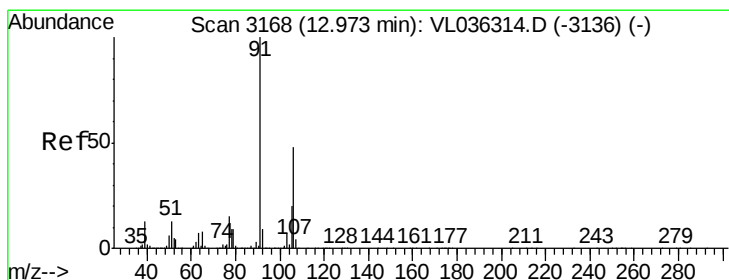
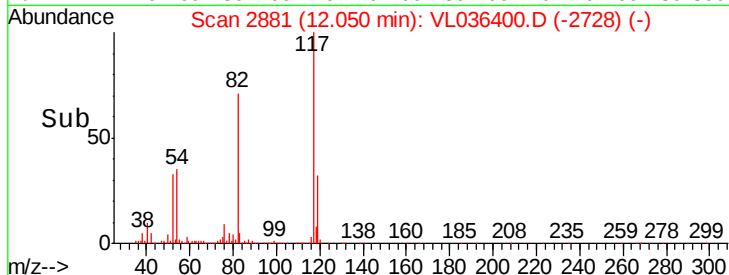
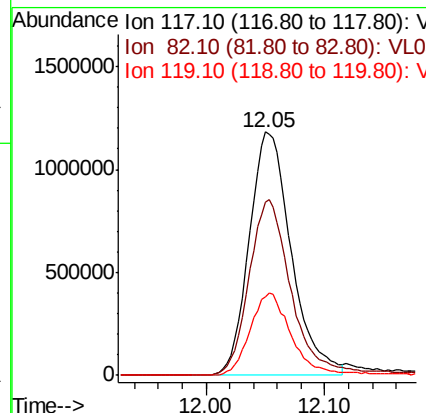
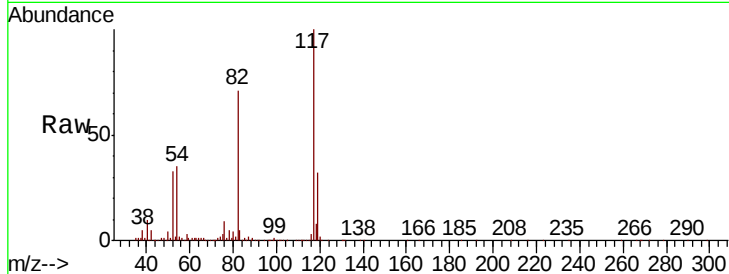
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL036400.D
Acq: 26 Feb 2021 13:32

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tot Ion	Ratio	Lower	Upper
117	100		
82	74.6	59.1	88.7
119	34.2	46.3	69.5

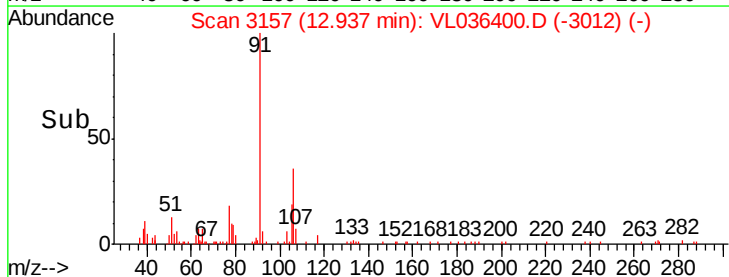
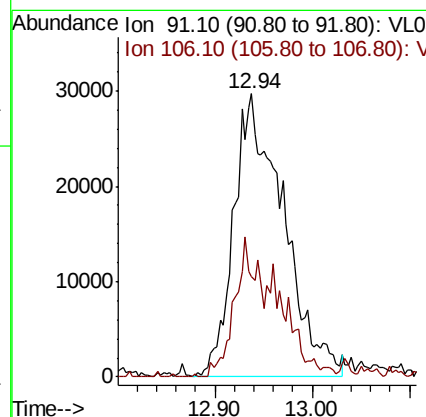
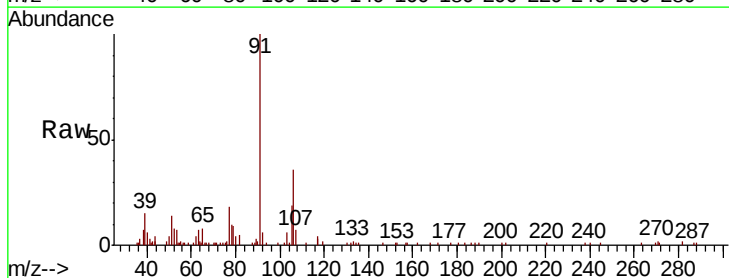
Manual Integrations
APPROVED

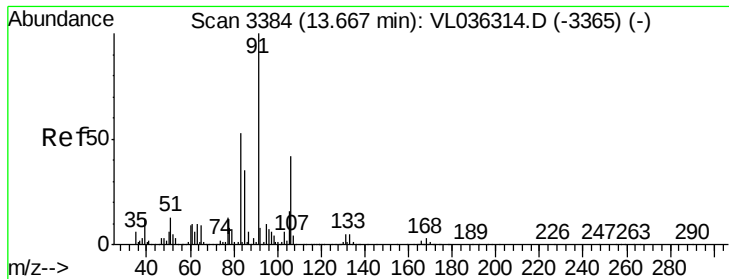
MMDadoda
3/1/2021 10:08:25 AM



#59
m/p-Xylene
Concen: 0.301 ppbv m
RT: 12.94 min Scan# 3157
Delta R.T. -0.04 min
Lab File: VL036400.D
Acq: 26 Feb 2021 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.2	51.2





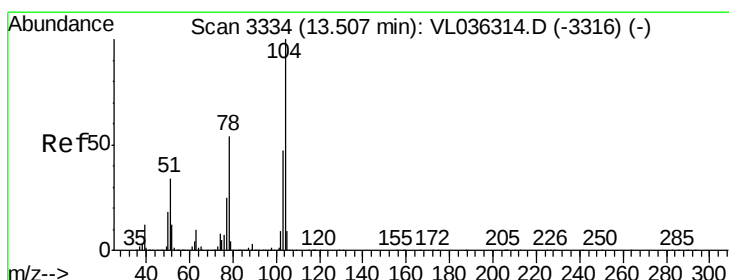
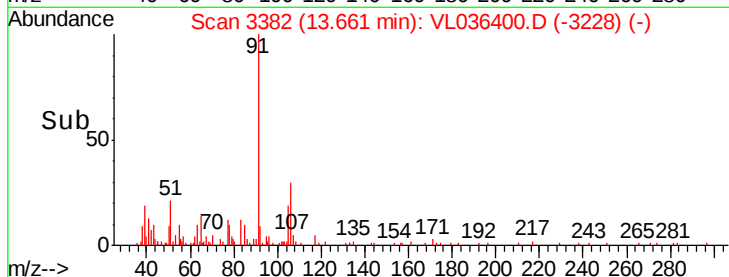
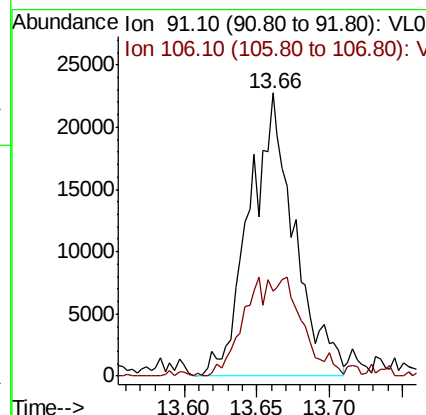
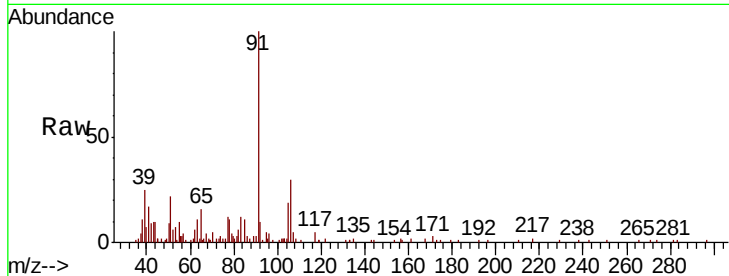
#60
o-Xylene
Concen: 0.148 ppbv m
RT: 13.66 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL036400.D
Acq: 26 Feb 2021 13:32

Instrument :
MSVOA_L
ClientSampled :
SG-5

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	0.0	22.0	66.0	#

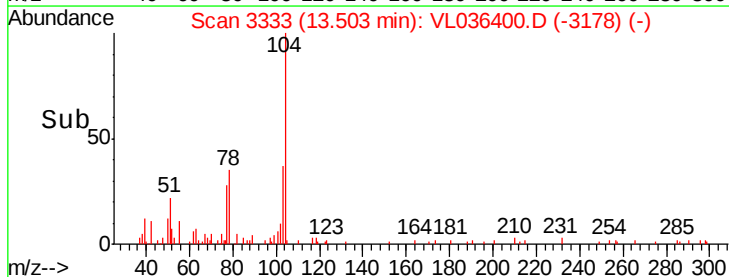
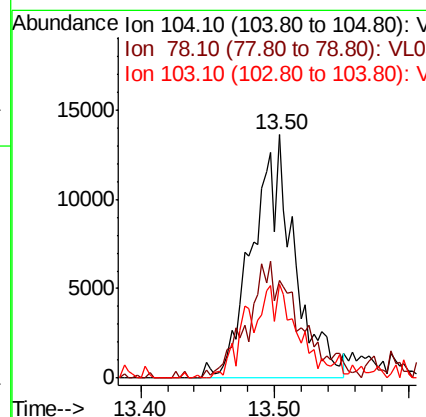
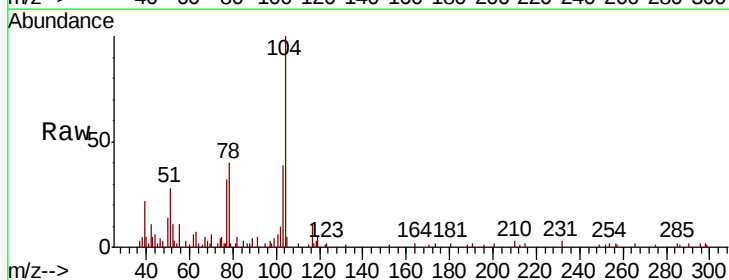
Manual Integrations
APPROVED

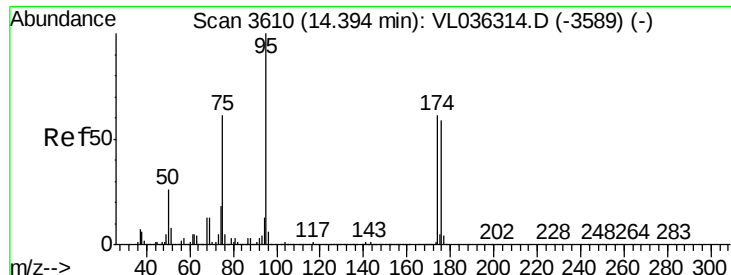
MMDadoda
3/1/2021 10:08:25 AM



#61
Styrene
Concen: 0.143 ppbv m
RT: 13.50 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VL036400.D
Acq: 26 Feb 2021 13:32

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	58.9	46.2	69.2	
103	0.0	38.3	57.5	#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.889 ppbv
 RT: 14.38 min Scan# 3607
 Delta R.T. -0.01 min
 Lab File: VL036400.D
 Acq: 26 Feb 2021 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5

Tot Ion	Ratio	Lower	Upper
95	100		
174	63.8	49.8	74.6
175	4.8	3.7	5.5

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:08:25 AM

