

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037178.D
 Acq On : 16 Jun 2021 20:01
 Operator : SY/AP
 Sample : M2713-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDL

Manual Integrations
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 6/17/2021 5:37:45 PM

Quant Time: Jun 17 02:26:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 17 02:26:59 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1450318	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4132460	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3731786	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.42	95	2769123	9.79	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	14308m	0.159	ppbv	
13) Ethanol	3.63	45	29379m	2.106	ppbv	
15) Acetone	3.86	43	145781	0.891	ppbv #	57
19) Isopropyl Alcohol	4.01	45	29095m	0.294	ppbv	
20) Methylene Chloride	4.35	84	248385	2.537	ppbv	97
24) 1,1-Dichloroethane	5.02	63	30685m	0.163	ppbv	
26) Hexane	5.69	57	130760	0.731	ppbv #	48
32) 1,1,1-Trichloroethane	6.51	97	40755	0.138	ppbv	91
34) 2-Butanone	5.27	43	50424m	0.314	ppbv	
41) Tetrahydrofuran	6.09	42	13228m	0.177	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	54930m	0.249	ppbv	
53) Toluene	9.81	91	251756	0.631	ppbv	98
58) Ethyl Benzene	12.72	91	92854	0.181	ppbv	95
59) m/p-Xylene	12.97	91	425916	0.978	ppbv	97
60) o-Xylene	13.70	91	170753	0.412	ppbv	98

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

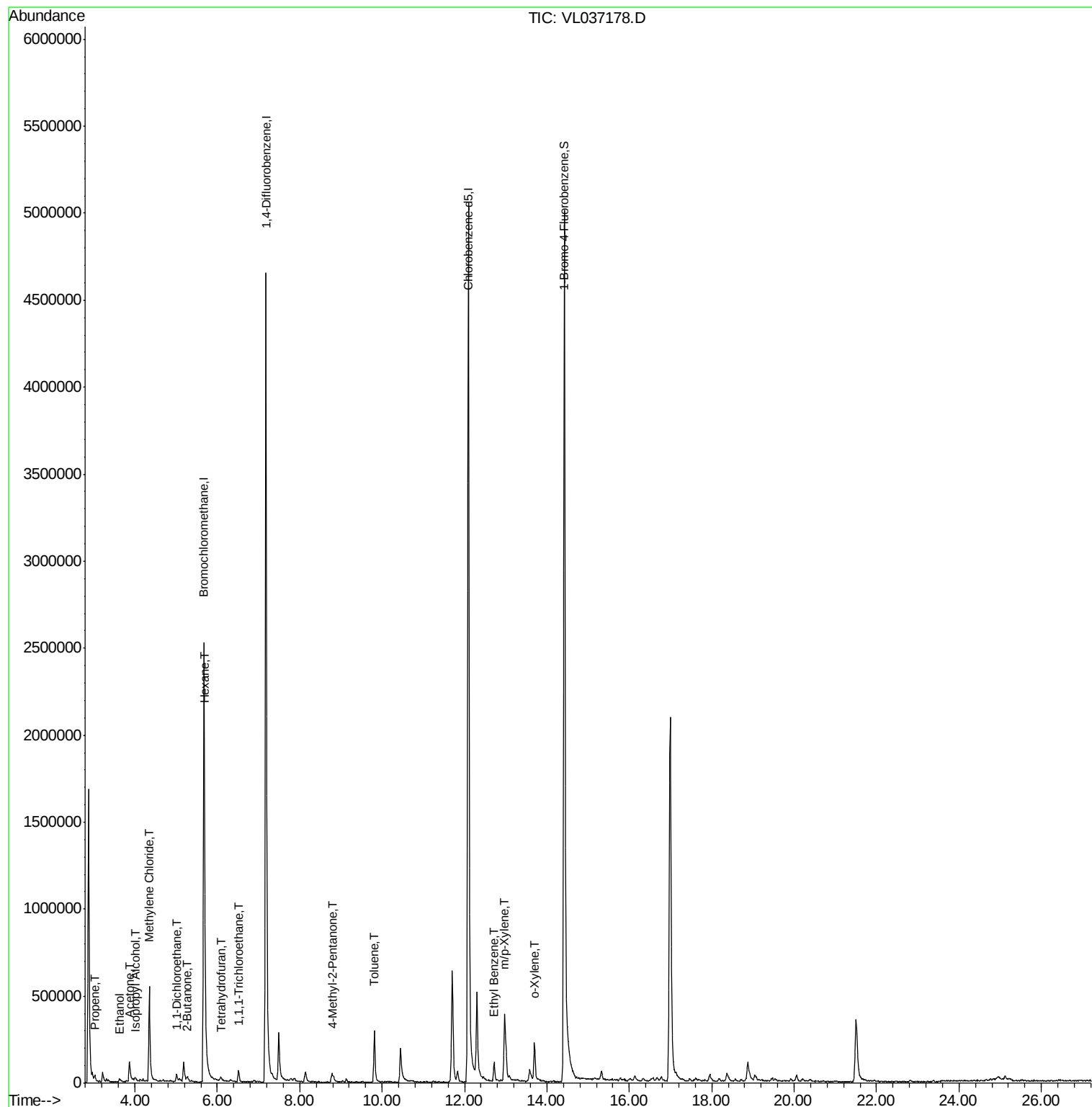
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061621\
Data File : VL037178.D
Acq On : 16 Jun 2021 20:01
Operator : SY/AP
Sample : M2713-01DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

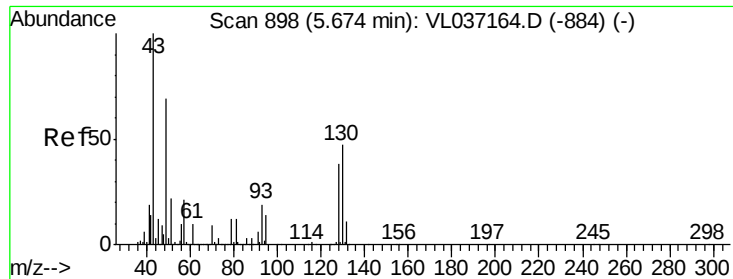
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Manual Integrations
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Quant Time: Jun 17 02:26:59 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

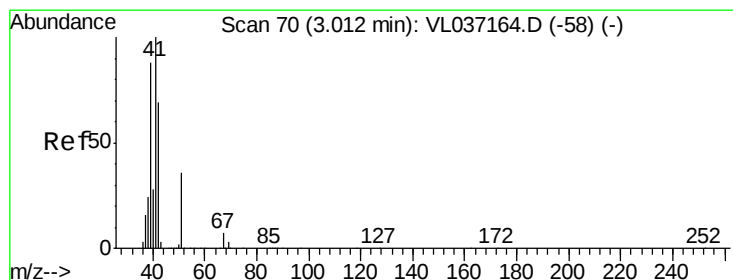
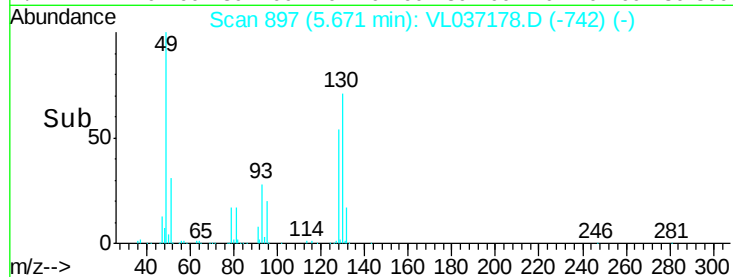
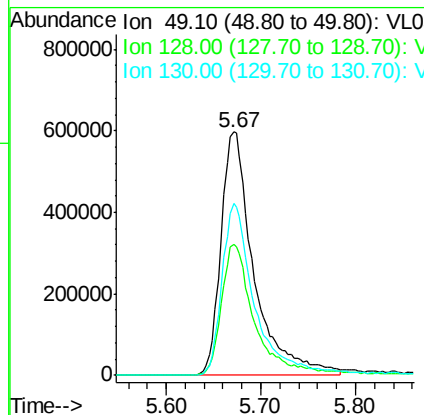
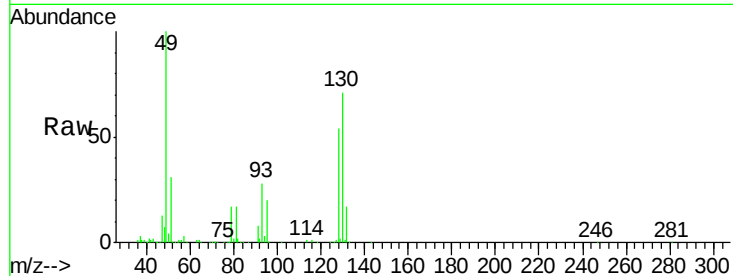
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: VL037178.D
 Acq: 16 Jun 2021 20:01

Instrument :
 MSVOA_L
 ClientSampleID :
 EFFLUENTDL

Tot Ion: 49 Resp: 1450318
 Ion Ratio Lower Upper
 49 100
 128 55.6 29.3 88.0
 130 72.4 35.9 107.8

Manual Integrations
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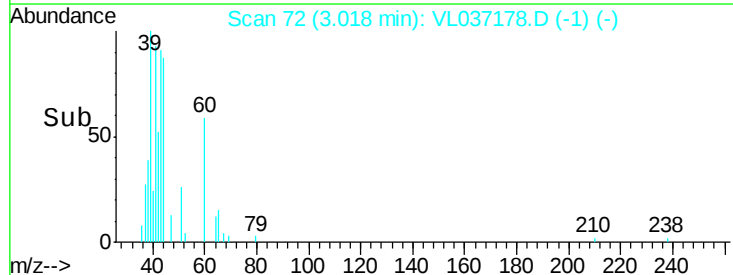
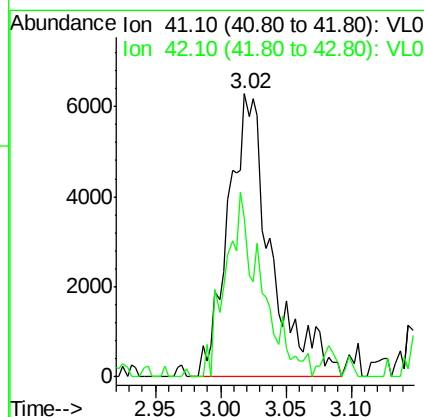
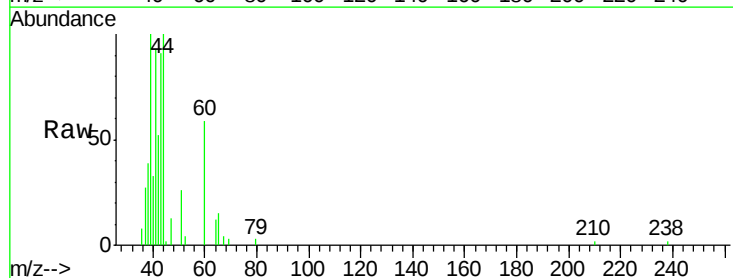
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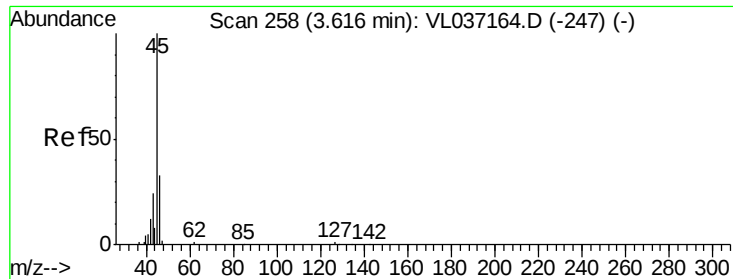


#9

Propene
 Concen: 0.159 ppbv m
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL037178.D
 Acq: 16 Jun 2021 20:01

Tgt Ion: 41 Resp: 14308
 Ion Ratio Lower Upper
 41 100
 42 16.4 54.5 81.7#





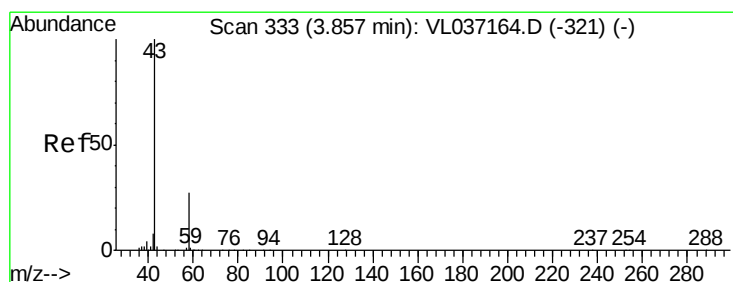
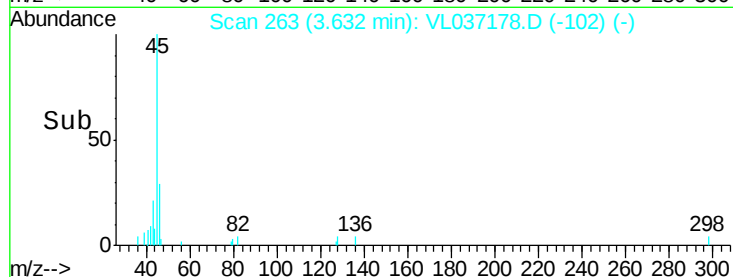
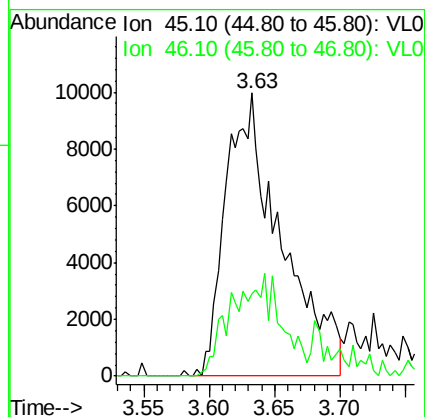
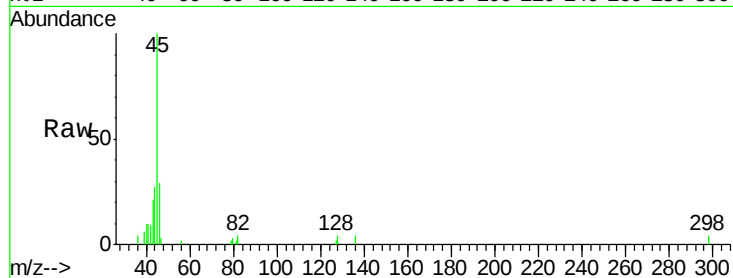
#13
Ethanol
Concen: 2.106 ppbv m
RT: 3.63 min Scan# 263
Delta R.T. 0.02 min
Lab File: VL037178.D
Acq: 16 Jun 2021 20:01

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Tot Ion: 45 Resp: 29379
Ion Ratio Lower Upper
45 100
46 0.0 34.2 137.0#

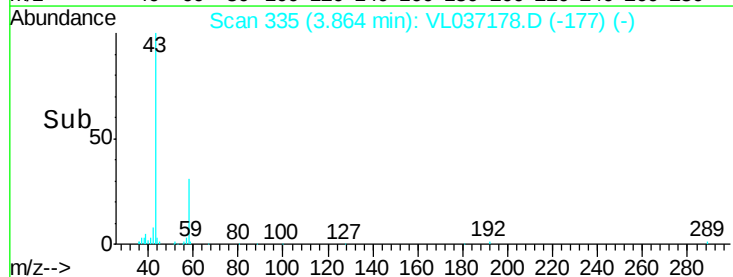
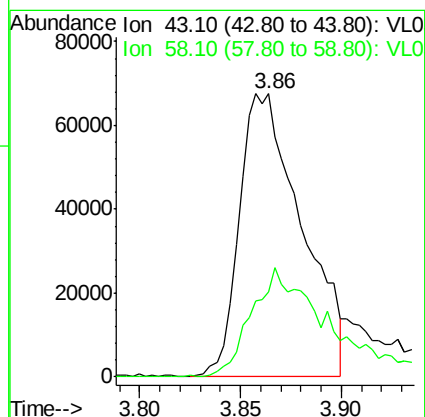
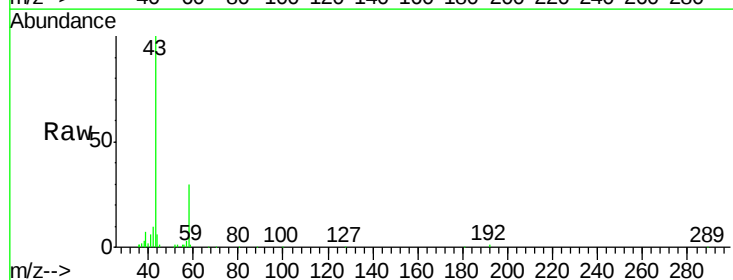
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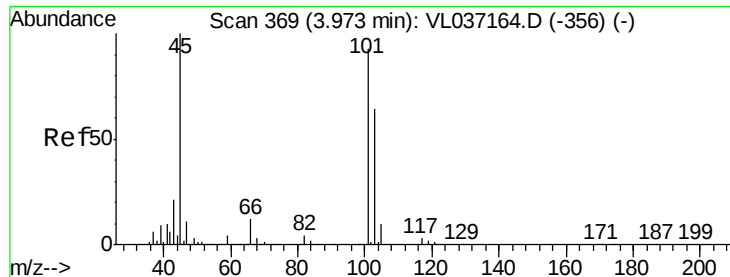
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#15
Acetone
Concen: 0.891 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.01 min
Lab File: VL037178.D
Acq: 16 Jun 2021 20:01

Tgt Ion: 43 Resp: 145781
Ion Ratio Lower Upper
43 100
58 52.9 23.7 35.5#





#19

Isopropyl Alcohol

Concen: 0.294 ppbv m

RT: 4.01 min Scan# 380

Delta R.T. 0.04 min

Lab File: VL037178.D

Acq: 16 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

Tot Ion: 45 Resp: 29095

Ion Ratio Lower Upper

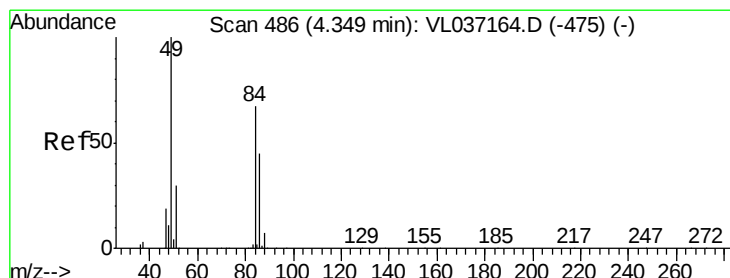
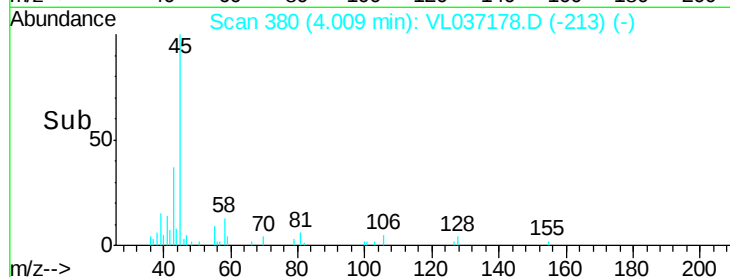
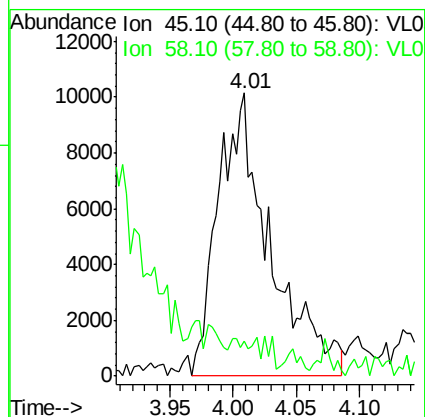
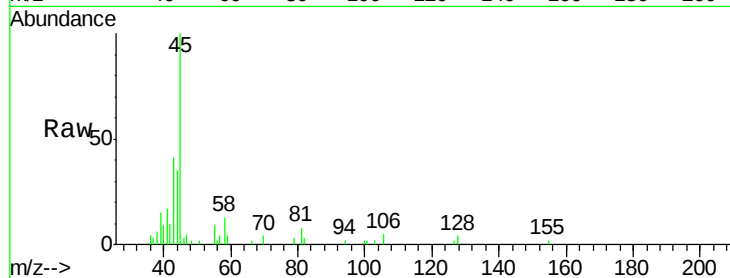
45 100

58 0.0 2.4 3.6#

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#20

Methylene Chloride

Concen: 2.537 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL037178.D

Acq: 16 Jun 2021 20:01

Tgt Ion: 84 Resp: 248385

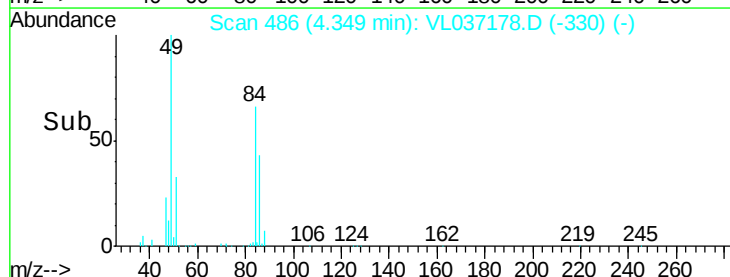
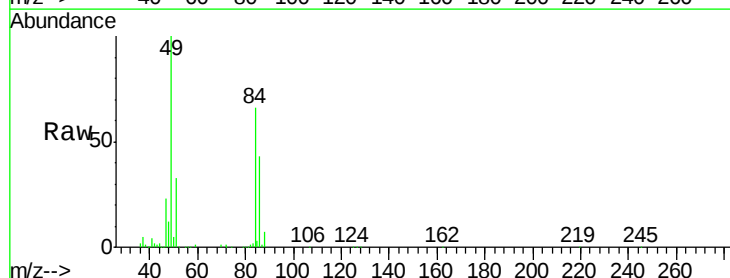
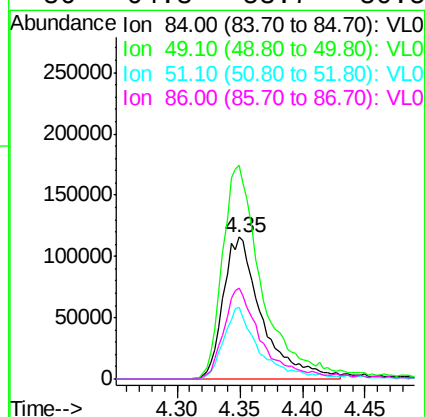
Ion Ratio Lower Upper

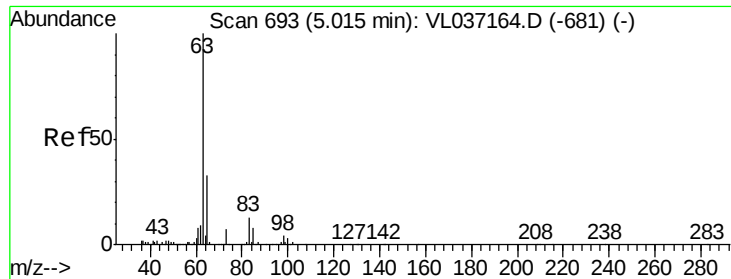
84 100

49 150.7 119.7 179.5

51 50.3 36.1 54.1

86 64.3 53.7 80.5





#24

1,1-Dichloroethane

Concen: 0.163 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL037178.D

Acq: 16 Jun 2021 20:01

Instrument :

MSVOA_L

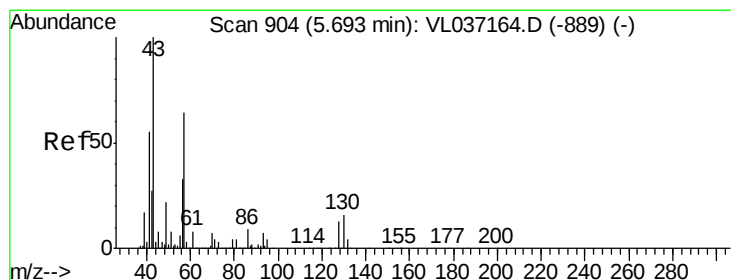
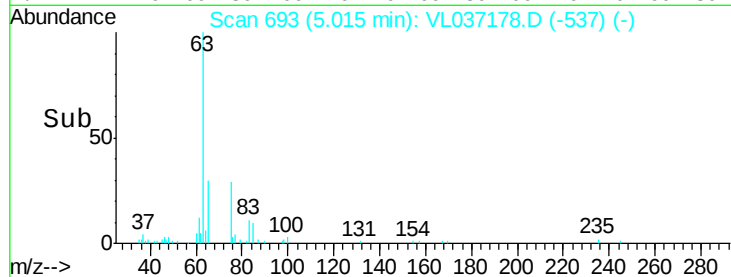
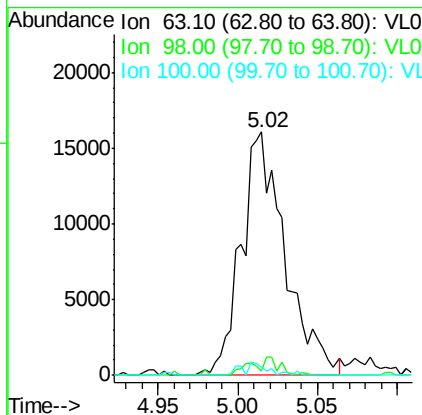
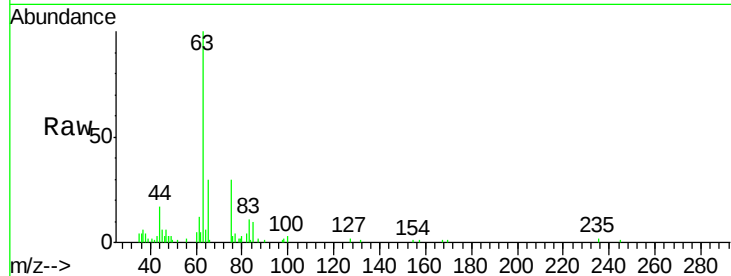
ClientSampleId :

EFFLUENTDL

Tot Ion:	63	Resp:	30685
Ion Ratio	Lower	Upper	
63	100		
98	1.6	2.1	6.5#
100	3.4	1.4	4.0

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#26

Hexane

Concen: 0.731 ppbv

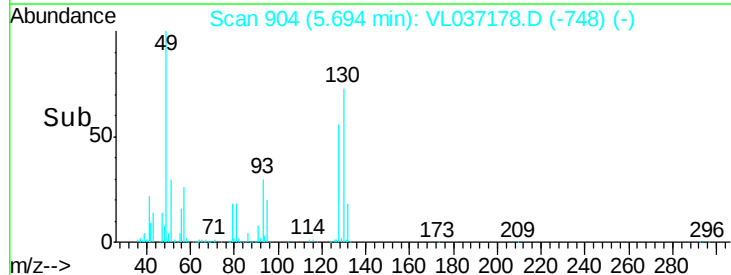
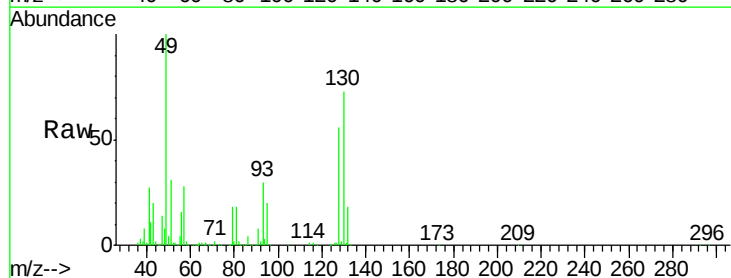
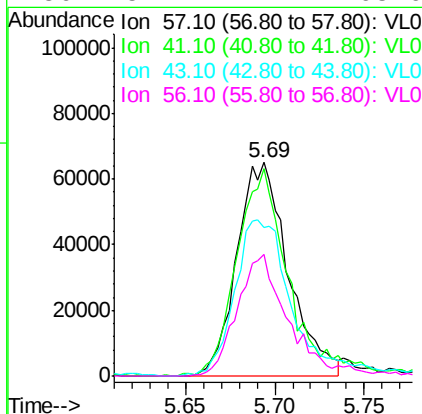
RT: 5.69 min Scan# 904

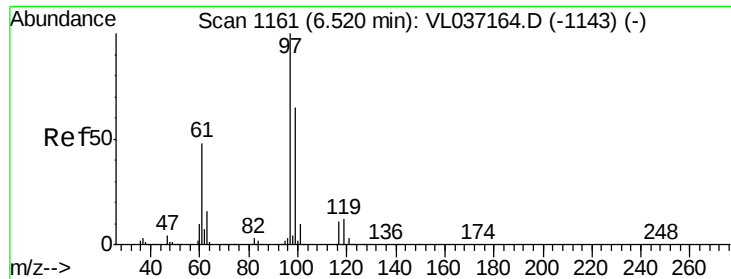
Delta R.T. 0.00 min

Lab File: VL037178.D

Acq: 16 Jun 2021 20:01

Tgt Ion:	57	Resp:	130760
Ion Ratio	Lower	Upper	
57	100		
41	100.7	73.5	110.3
43	85.0	170.7	256.1#
56	57.1	42.4	63.6





#32

1,1,1-Trichloroethane

Concen: 0.138 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VL037178.D

Acq: 16 Jun 2021 20:01

Instrument :

MSVOA_L

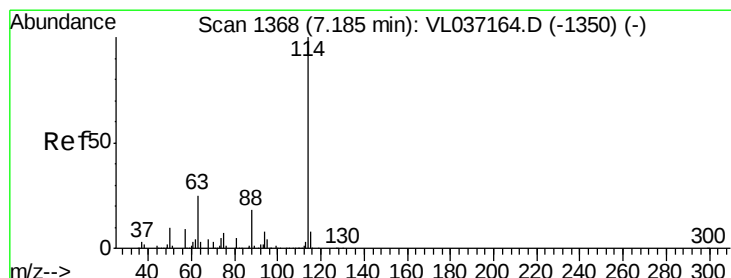
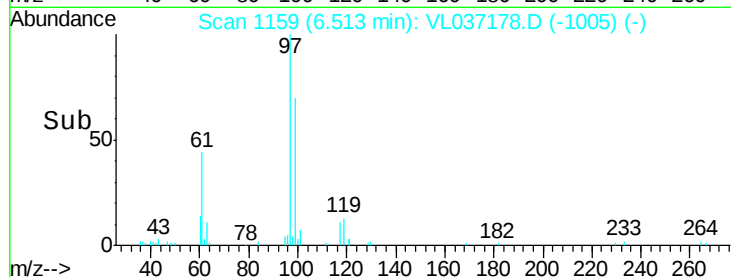
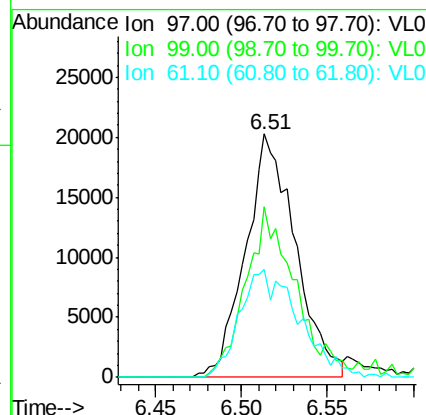
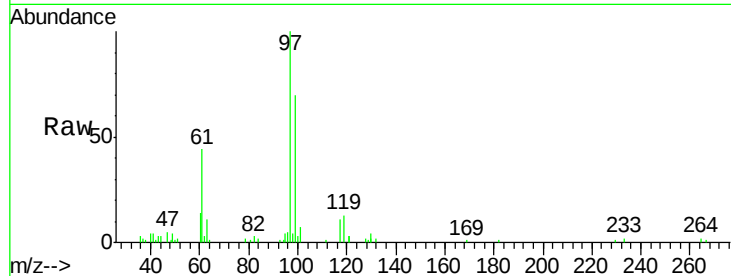
ClientSampleId :

EFFLUENTDL

Tot Ion:	97	Resp:	40755
Ion	Ratio	Lower	Upper
97	100		
99	73.4	52.2	78.4
61	53.2	38.8	58.2

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

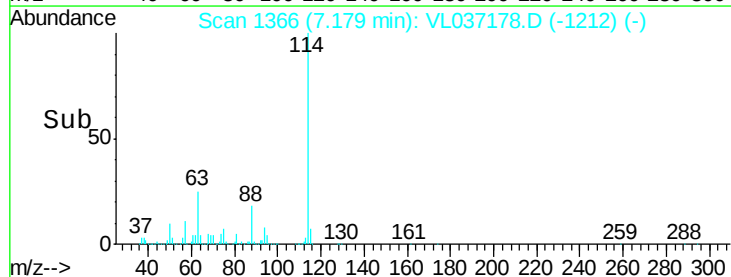
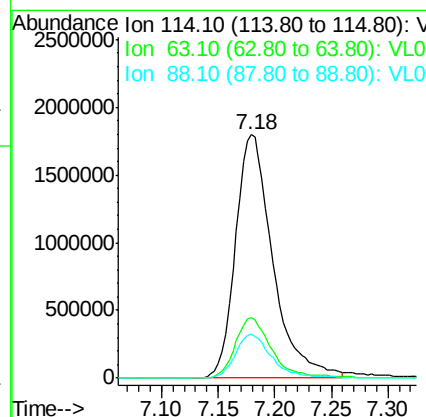
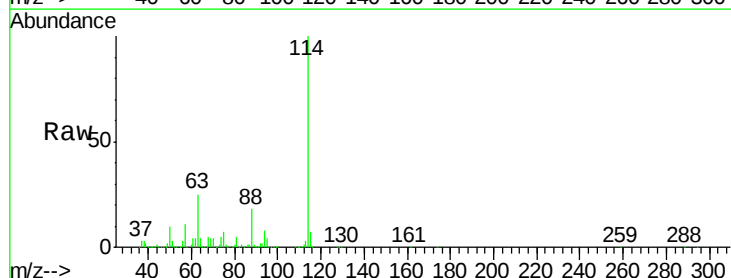
RT: 7.18 min Scan# 1366

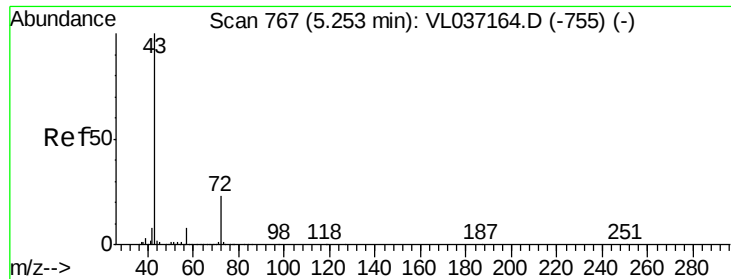
Delta R.T. -0.01 min

Lab File: VL037178.D

Acq: 16 Jun 2021 20:01

Tgt Ion:	114	Resp:	4132460
Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.6	29.4
88	18.0	14.2	21.2





#34

2-Butanone

Concen: 0.314 ppbv m

RT: 5.27 min Scan# 771

Delta R.T. 0.01 min

Lab File: VL037178.D

Acq: 16 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

Tot Ion: 43 Resp: 50424

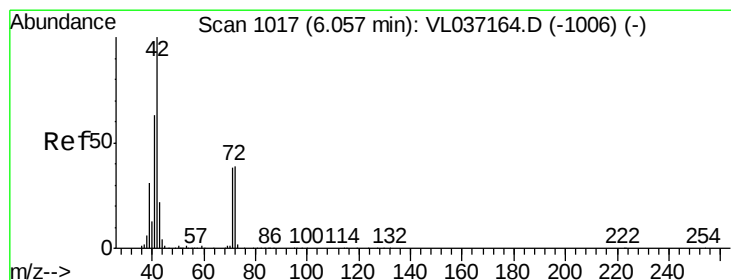
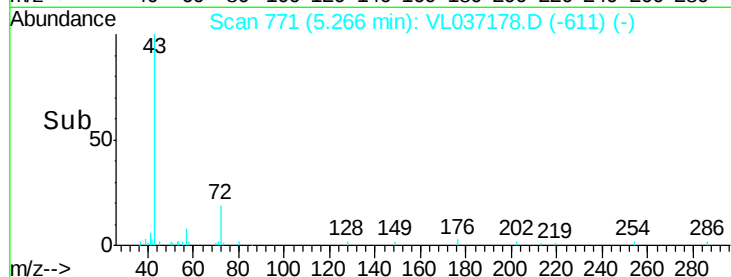
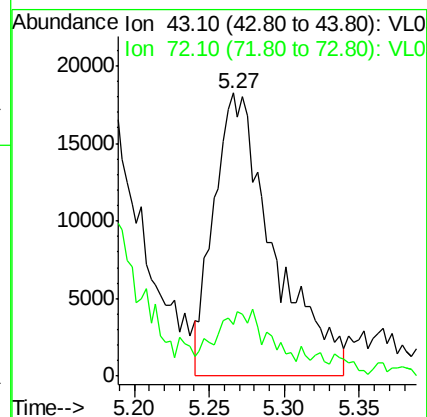
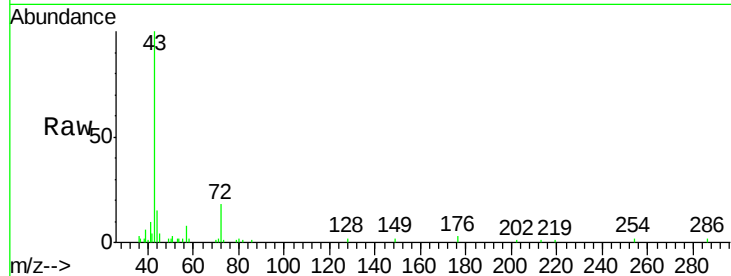
Ion Ratio Lower Upper

43 100

72 0.0 18.9 28.3#

Manual Integrations
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#41

Tetrahydrofuran

Concen: 0.177 ppbv m

RT: 6.09 min Scan# 1027

Delta R.T. 0.03 min

Lab File: VL037178.D

Acq: 16 Jun 2021 20:01

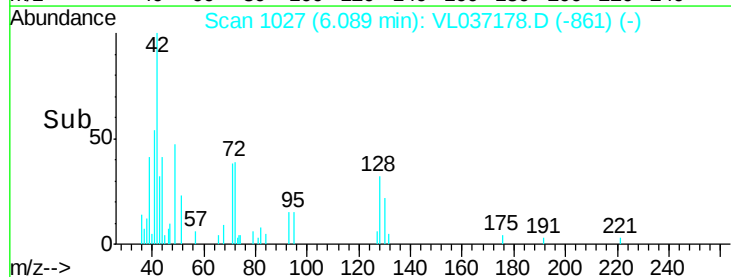
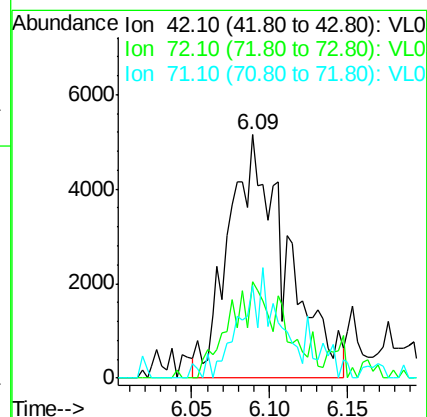
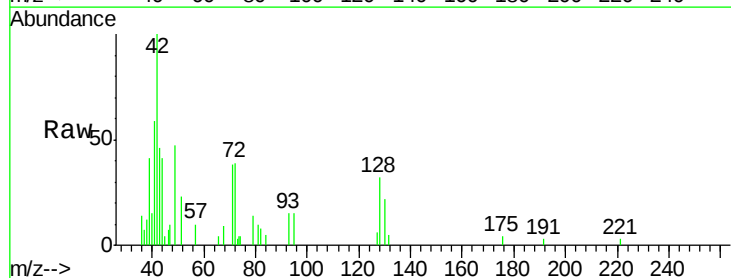
Tgt Ion: 42 Resp: 13228

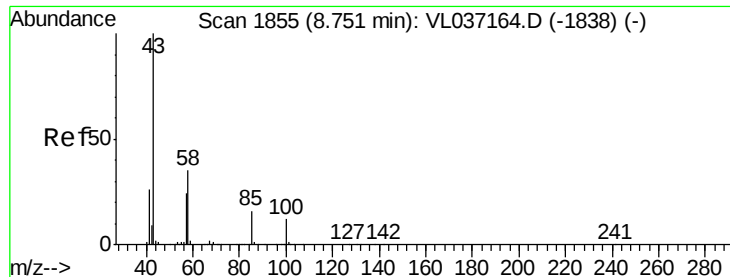
Ion Ratio Lower Upper

42 100

72 0.0 33.0 49.4#

71 0.0 31.0 46.6#





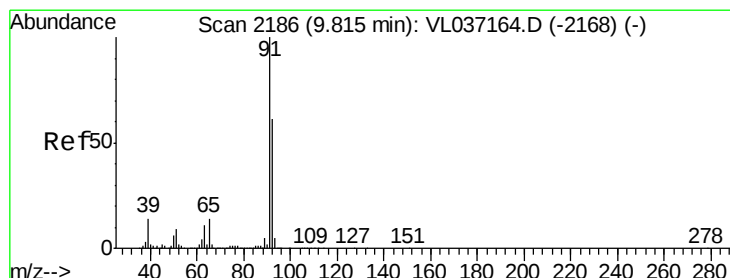
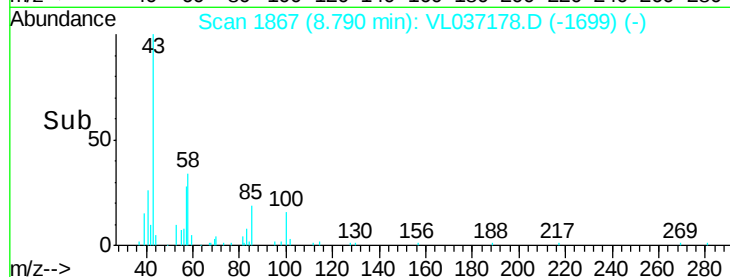
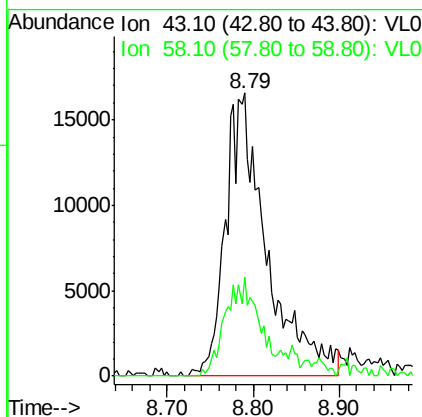
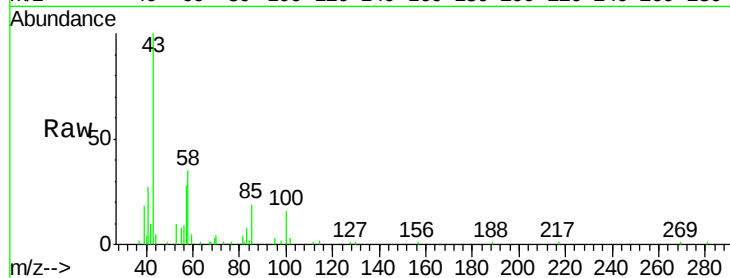
#50
4-Methyl-2-Pentanone
Concen: 0.249 ppbv m
RT: 8.79 min Scan# 1867
Delta R.T. 0.04 min
Lab File: VL037178.D
Acq: 16 Jun 2021 20:01

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Tot Ion	43	Resp	54930
Ion Ratio	100	Lower	Upper
43	100		
58	0.0	28.4	42.6#

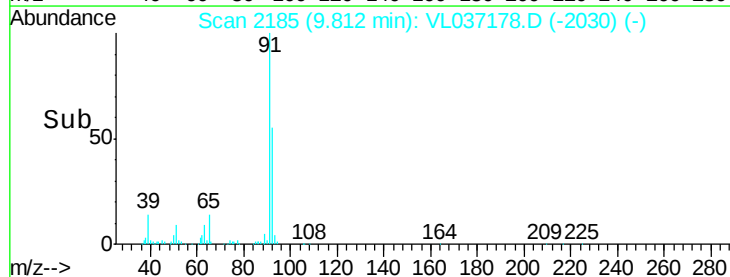
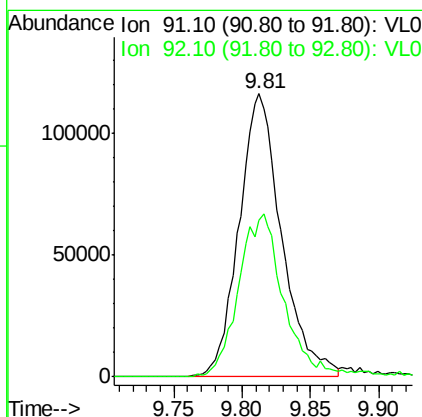
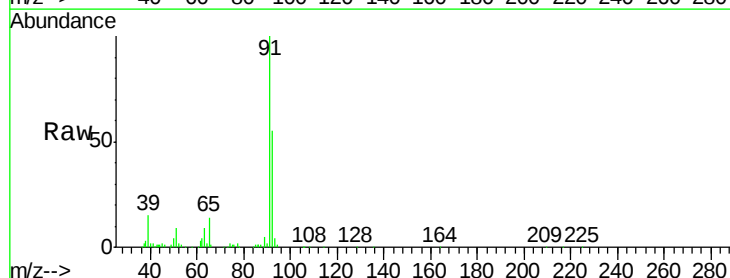
Manual Integrations
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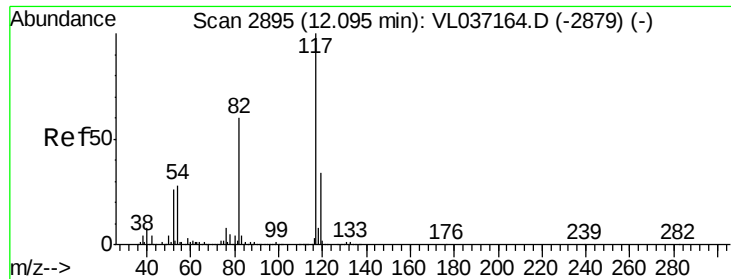
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#53
Toluene
Concen: 0.631 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VL037178.D
Acq: 16 Jun 2021 20:01

Tgt Ion	91	Resp	251756
Ion Ratio	100	Lower	Upper
91	100		
92	61.7	48.3	72.5





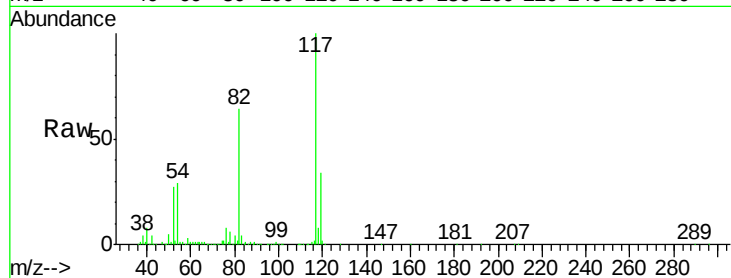
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL037178.D
Acq: 16 Jun 2021 20:01

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

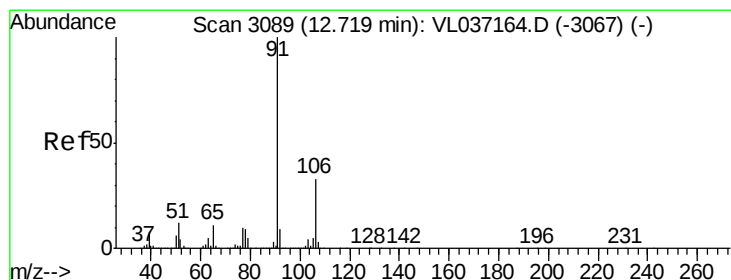
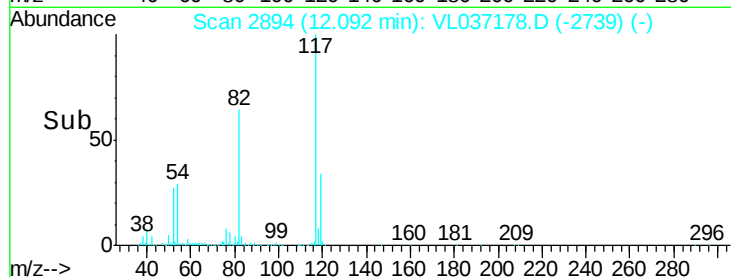
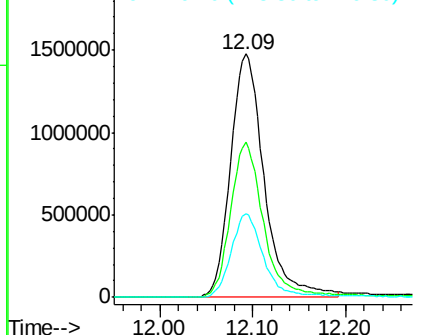
Tot Ion	Ratio	Lower	Upper
117	100		
82	63.1	51.7	77.5
119	34.1	47.6	71.4#

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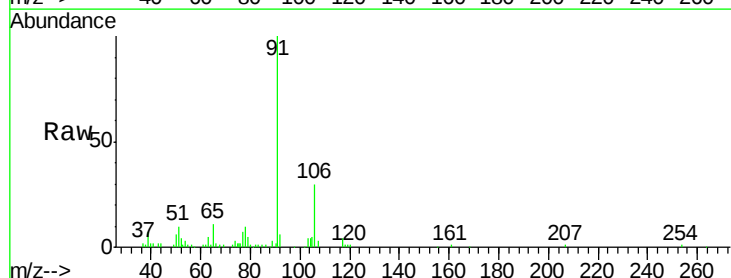


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

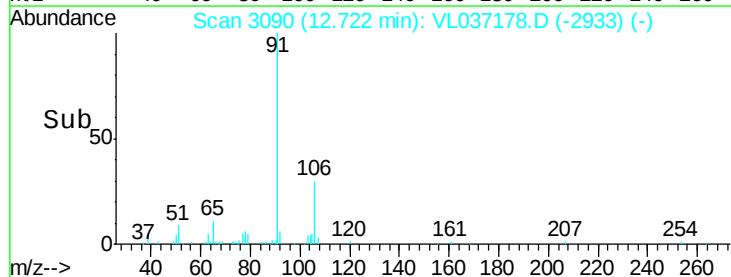
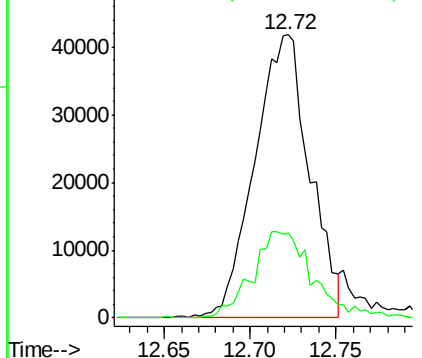


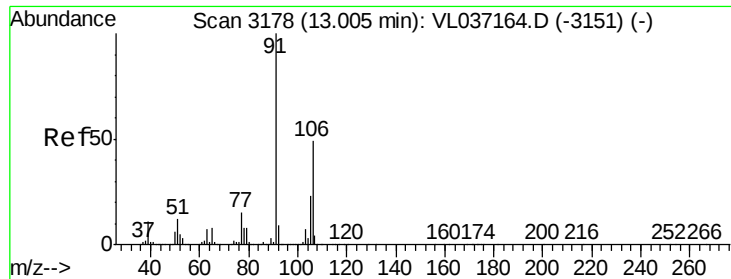
#58
Ethyl Benzene
Concen: 0.181 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL037178.D
Acq: 16 Jun 2021 20:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	26.3	39.5



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





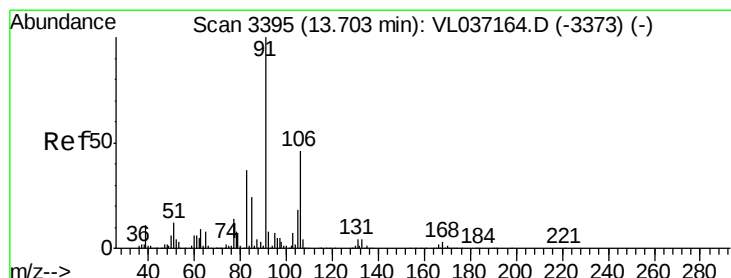
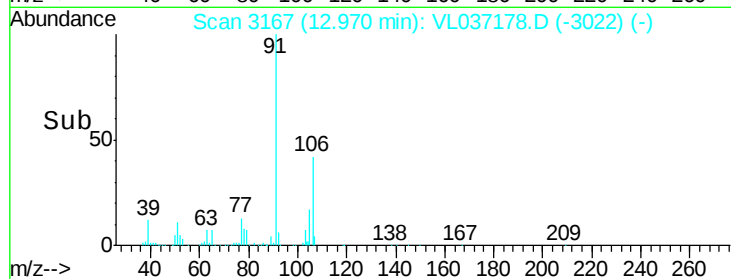
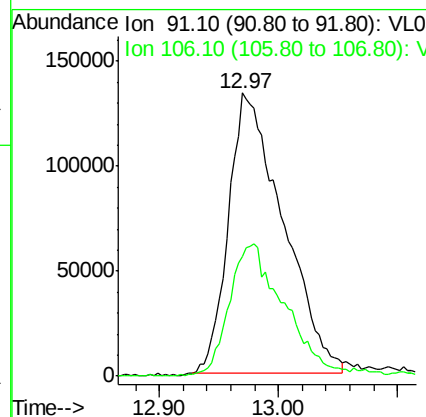
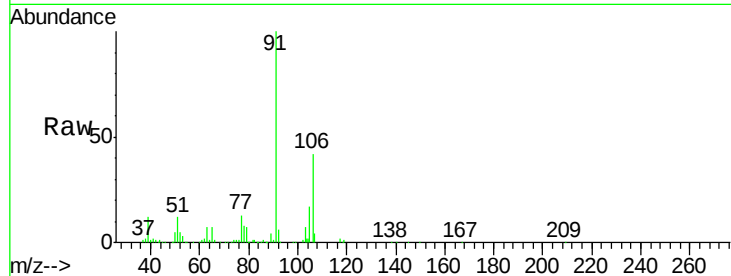
#59
m/p-Xylene
Concen: 0.978 ppbv
RT: 12.97 min Scan# 3167
Delta R.T. -0.04 min
Lab File: VL037178.D
Acq: 16 Jun 2021 20:01

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Tot Ion: 91 Resp: 425916
Ion Ratio Lower Upper
91 100
106 47.9 37.0 55.4

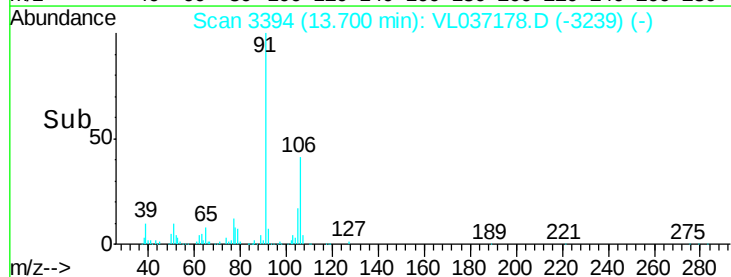
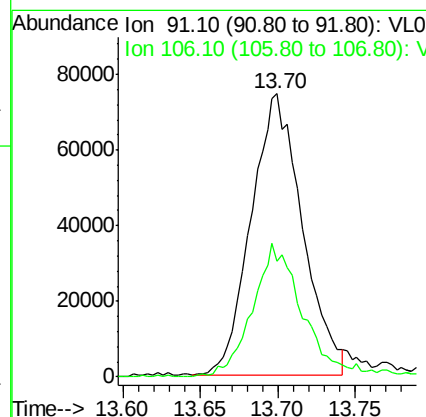
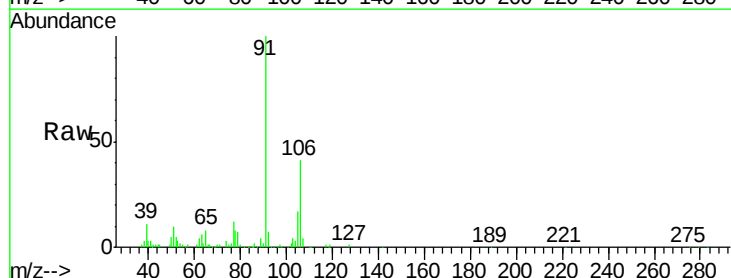
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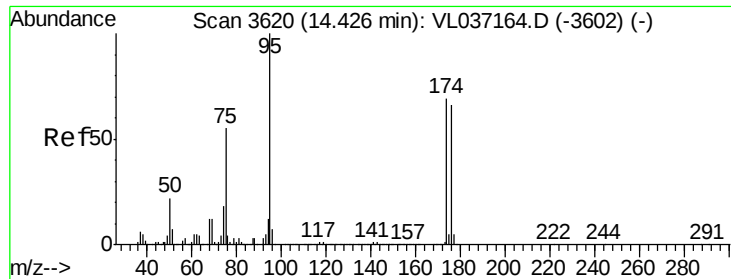
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#60
o-Xylene
Concen: 0.412 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL037178.D
Acq: 16 Jun 2021 20:01

Tgt Ion: 91 Resp: 170753
Ion Ratio Lower Upper
91 100
106 47.6 23.0 69.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.793 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL037178.D

Acq: 16 Jun 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

Tot Ion: 95 Resp: 2769123

Ion Ratio Lower Upper

95 100

174 73.3 57.0 85.4

175 4.8 4.4 6.6

Manual Integrations

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