

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035128.D
 Acq On : 30 Jun 2020 16:58
 Operator : SY/AP
 Sample : L3124-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDL

Manual Integrations
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 7/2/2020 5:00:36 PM

Quant Time: Jul 01 04:18:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1372710	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3201183	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.12	117	3045435	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2539227	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.97	41	395525	6.587	ppbv	100
13) Ethanol	3.58	45	146201	6.445	ppbv	96
15) Acetone	3.82	43	1601401	9.649	ppbv #	57
17) tert-Butyl alcohol	4.28	59	166431	1.132	ppbv	96
18) 1,1-Dichloroethene	4.27	96	17063m	0.276	ppbv	
19) Isopropyl Alcohol	3.95	45	77169	0.716	ppbv #	93
20) Methylene Chloride	4.33	84	89601	1.334	ppbv	89
22) trans-1,2-Dichloroethene	4.87	96	5558m	0.096	ppbv	
24) 1,1-Dichloroethane	5.00	63	171491	1.010	ppbv	96
26) Hexane	5.68	57	47982	0.355	ppbv #	1
32) 1,1,1-Trichloroethane	6.51	97	7219m	0.037	ppbv	
34) 2-Butanone	5.23	43	5634292	30.649	ppbv	97
51) 2-Hexanone	10.16	43	709645	3.469	ppbv #	98

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

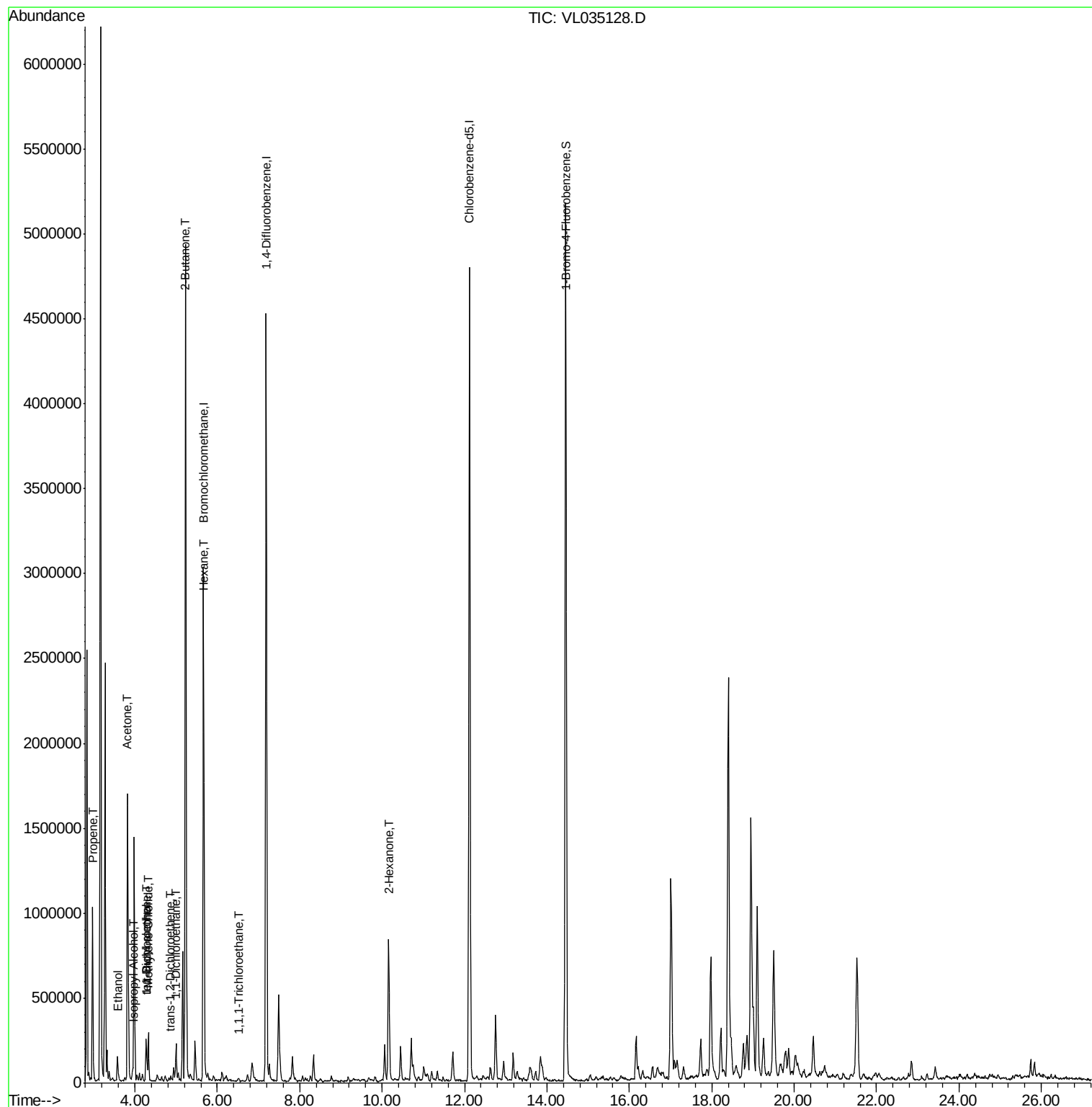
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL063020\
Data File : VL035128.D
Acq On : 30 Jun 2020 16:58
Operator : SY/AP
Sample : L3124-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

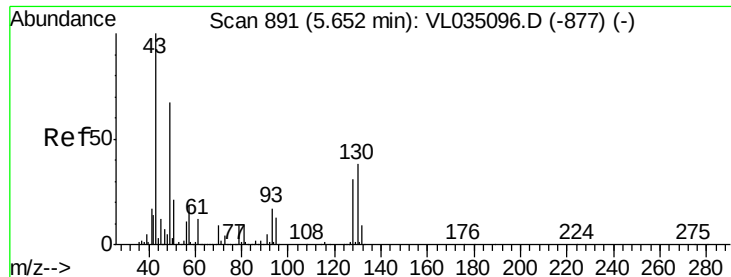
Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Manual Integrations
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Quant Time: Jul 01 04:18:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL035128.D

Acq: 30 Jun 2020 16:58

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

Tot Ion: 49 Resp: 1372710

Ion Ratio Lower Upper

49 100

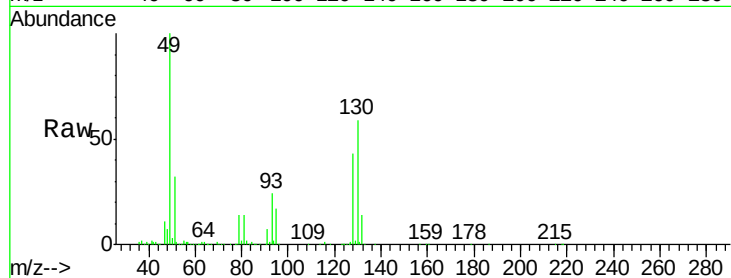
128 45.7 22.9 68.5

130 59.3 29.0 87.0

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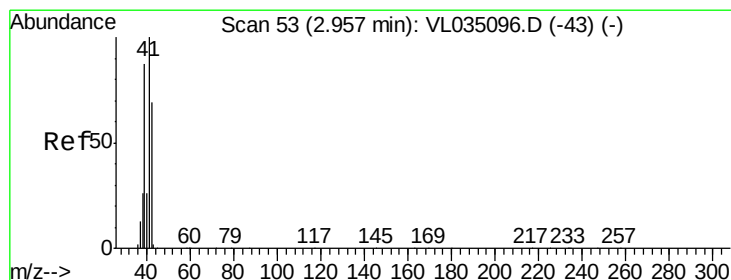
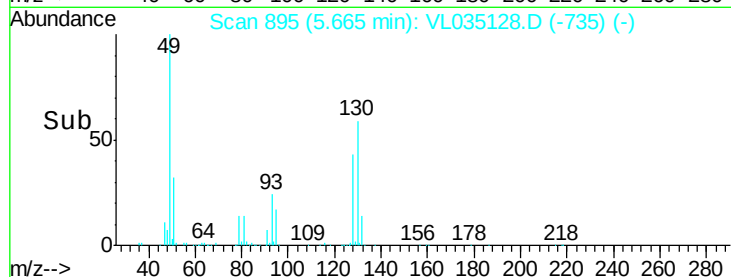
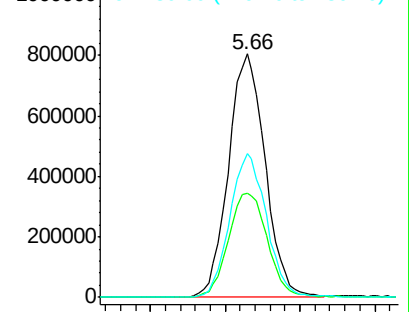
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 6.587 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035128.D

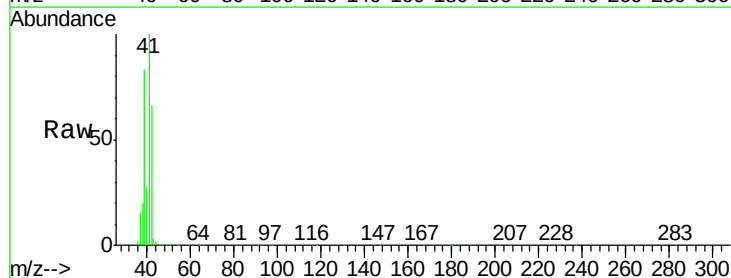
Acq: 30 Jun 2020 16:58

Tgt Ion: 41 Resp: 395525

Ion Ratio Lower Upper

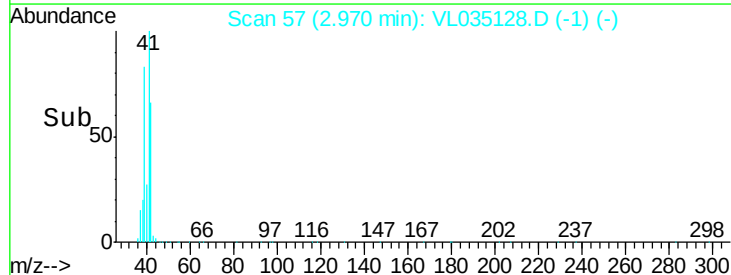
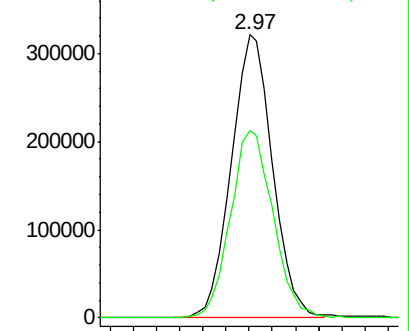
41 100

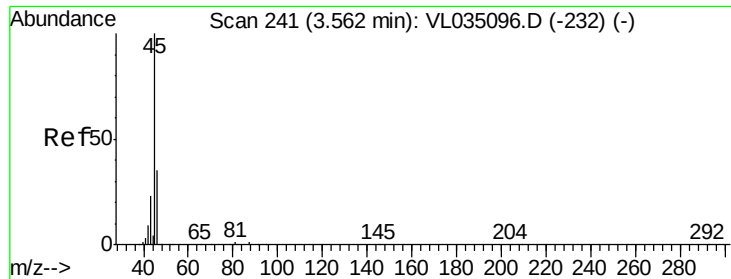
42 69.3 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





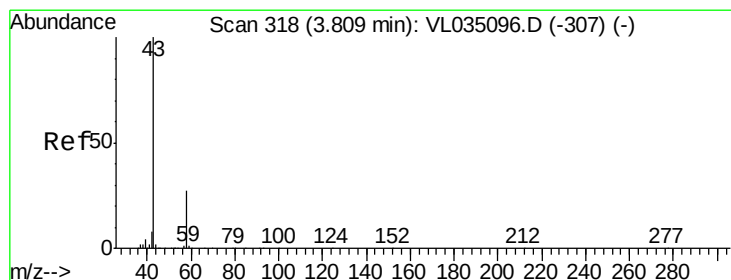
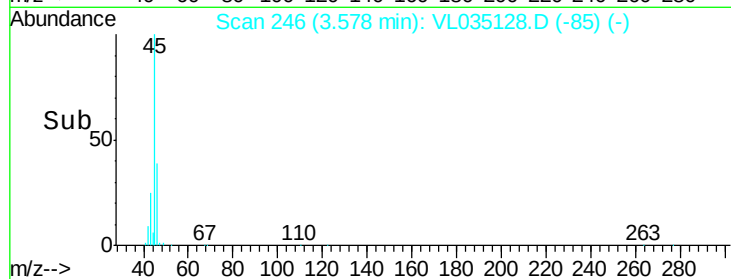
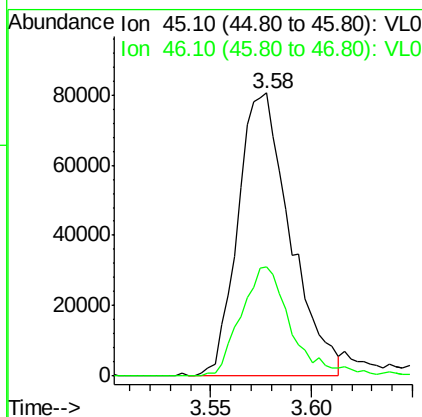
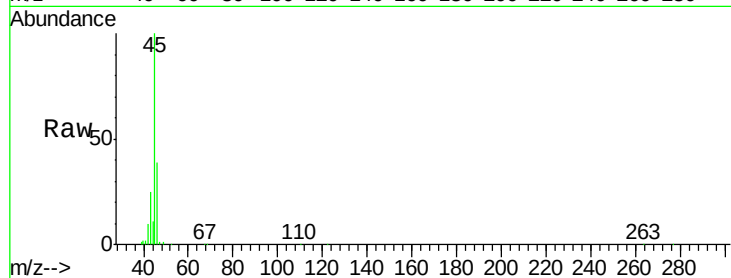
#13
Ethanol
Concen: 6.445 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.02 min
Lab File: VL035128.D
Acq: 30 Jun 2020 16:58

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Tot Ion	45	Resp	146201
Ion Ratio	100	Lower	Upper
46	37.7	14.2	57.0

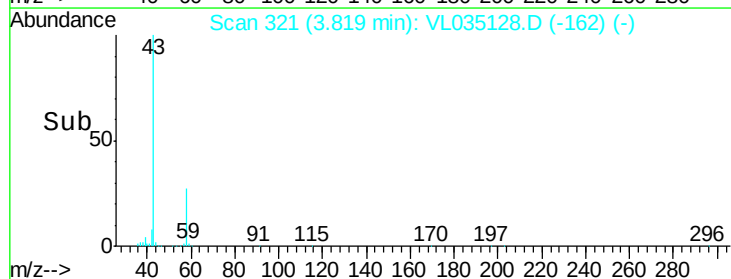
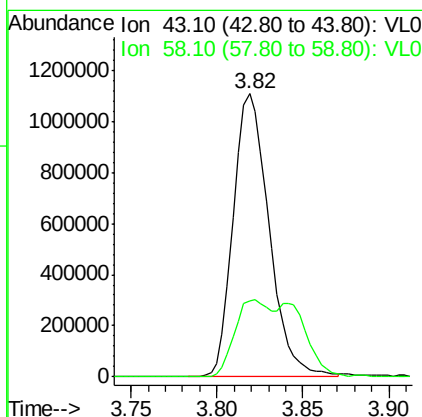
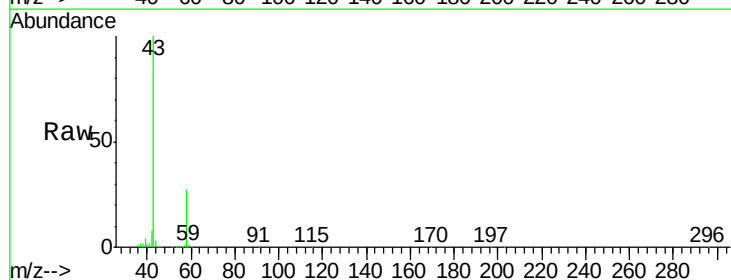
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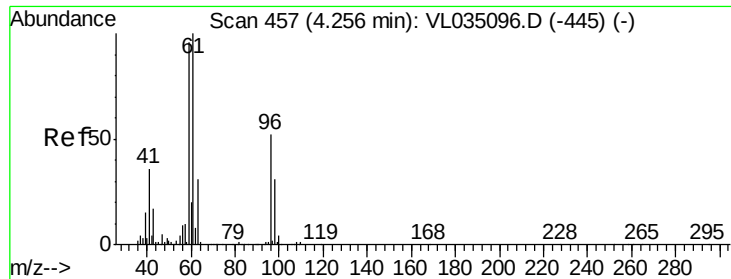
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#15
Acetone
Concen: 9.649 ppbv
RT: 3.82 min Scan# 321
Delta R.T. 0.01 min
Lab File: VL035128.D
Acq: 30 Jun 2020 16:58

Tgt Ion	43	Resp	1601401
Ion Ratio	100	Lower	Upper
58	49.7	21.8	32.6#





#17

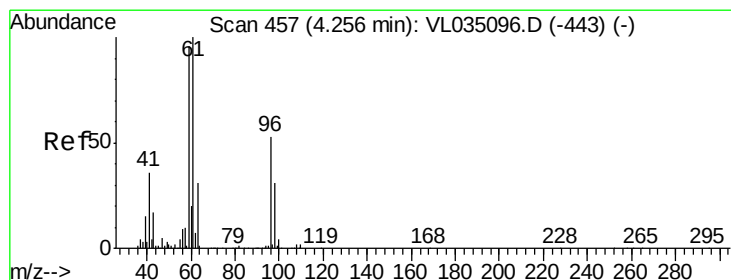
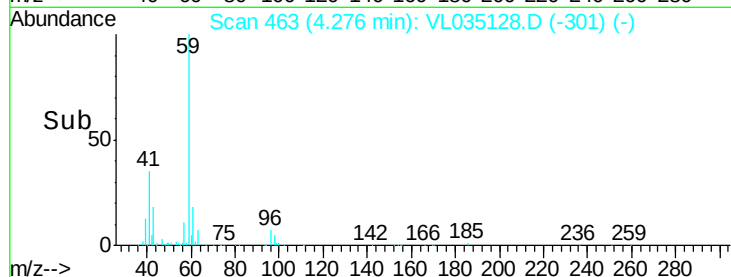
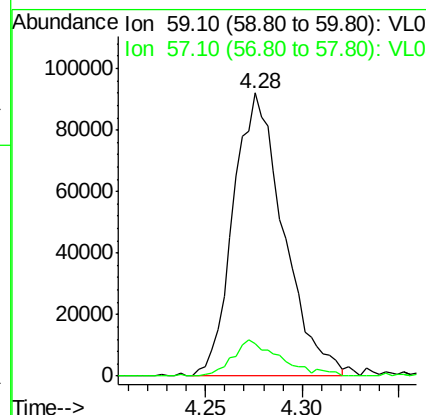
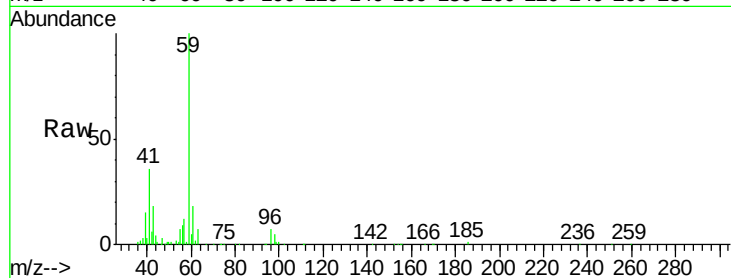
tert-Butyl alcohol
 Concen: 1.132 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. 0.02 min
 Lab File: VL035128.D
 Acq: 30 Jun 2020 16:58

Instrument :
 MSVOA_L
 ClientSampleID :
 EFFLUENTDL

Tot Ion	59	Resp	166431
Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.6	12.8

Manual Integrations
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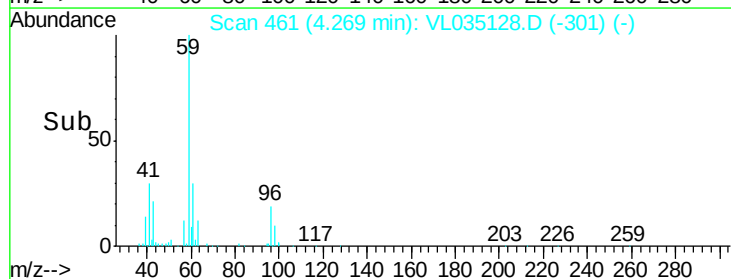
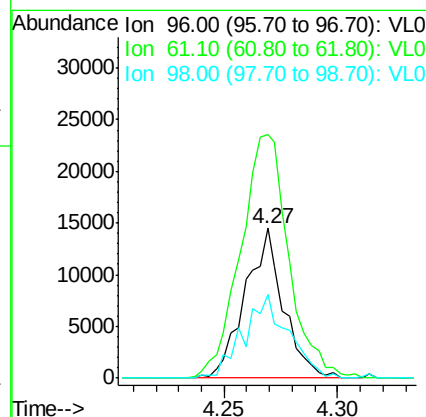
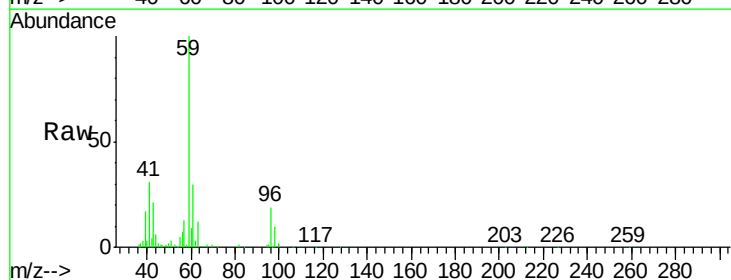
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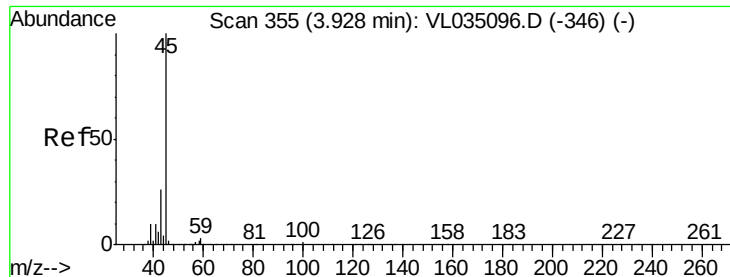


#18

1,1-Dichloroethene
 Concen: 0.276 ppbv m
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL035128.D
 Acq: 30 Jun 2020 16:58

Tgt Ion	96	Resp	17063
Ion	Ratio	Lower	Upper
96	100		
61	162.2	152.2	228.4
98	55.3	47.7	71.5





#19

Isopropyl Alcohol

Concen: 0.716 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.02 min

Lab File: VL035128.D

Acq: 30 Jun 2020 16:58

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENTDL

Tot Ion: 45 Resp: 77169

Ion Ratio Lower Upper

45 100

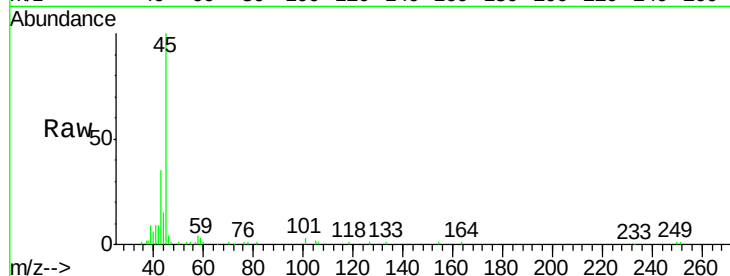
58 0.0 1.8 2.8#

Manual Integrations

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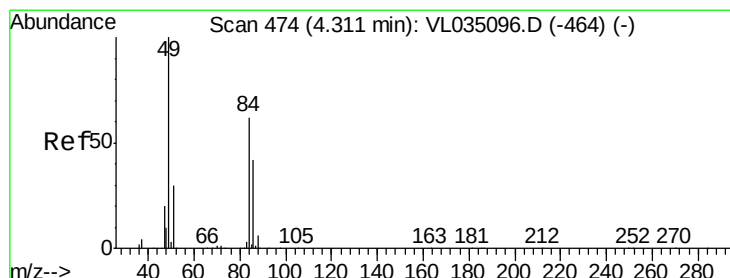
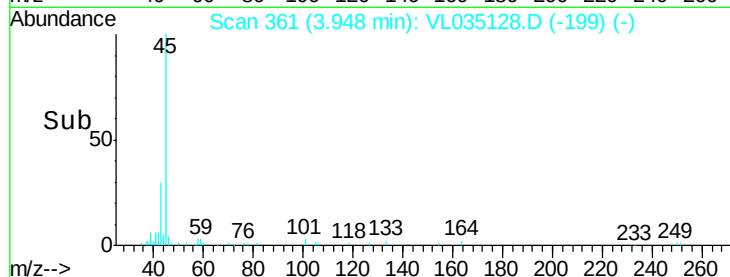
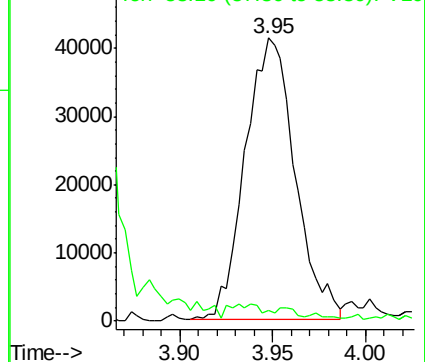
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.334 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.02 min

Lab File: VL035128.D

Acq: 30 Jun 2020 16:58

Tgt Ion: 84 Resp: 89601

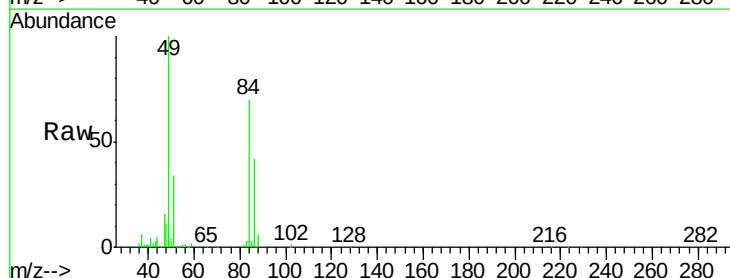
Ion Ratio Lower Upper

84 100

49 142.5 128.8 193.2

51 46.7 38.7 58.1

86 59.8 54.1 81.1

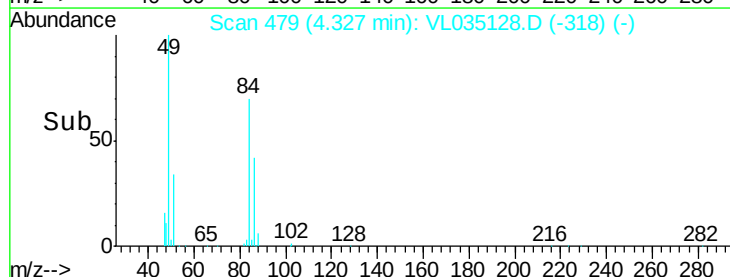
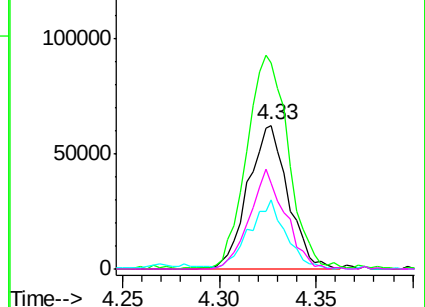


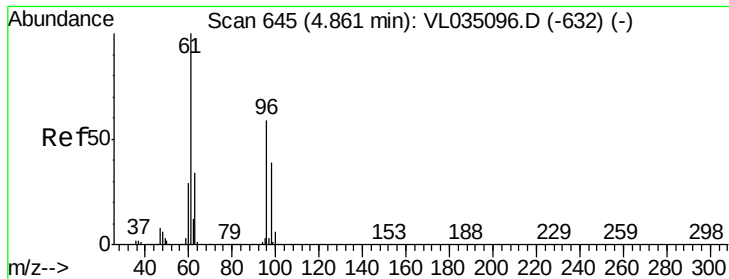
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.096 ppbv m

RT: 4.87 min Scan# 649

Delta R.T. 0.01 min

Lab File: VL035128.D

Acq: 30 Jun 2020 16:58

Instrument :

MSVOA_L

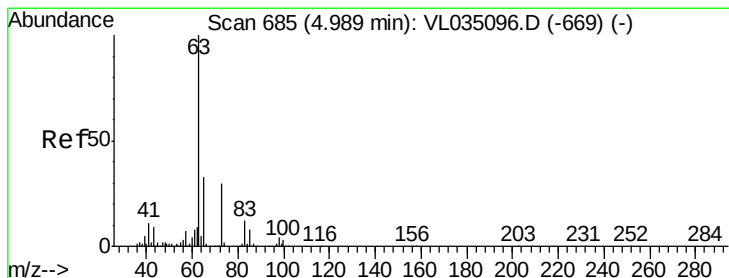
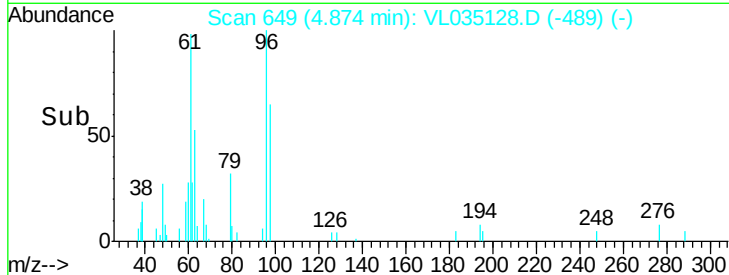
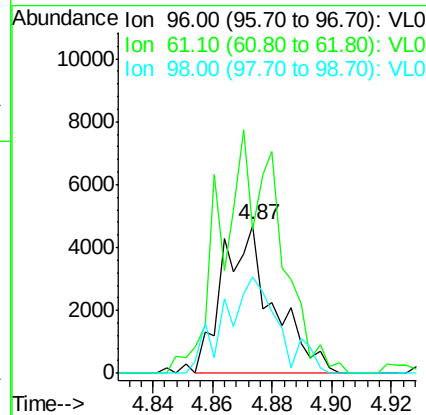
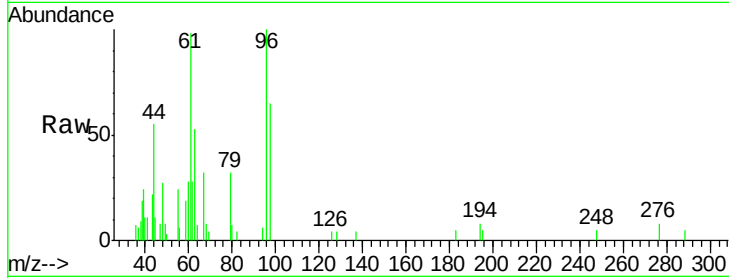
ClientSampleId :

EFFLUENTDL

Tot Ion:	96	Resp:	5558
Ion Ratio	Lower	Upper	
96	100		
61	97.6	134.5	201.7#
98	65.4	52.6	79.0

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#24

1,1-Dichloroethane

Concen: 1.010 ppbv

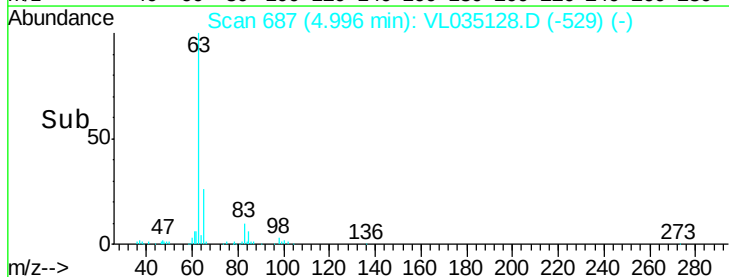
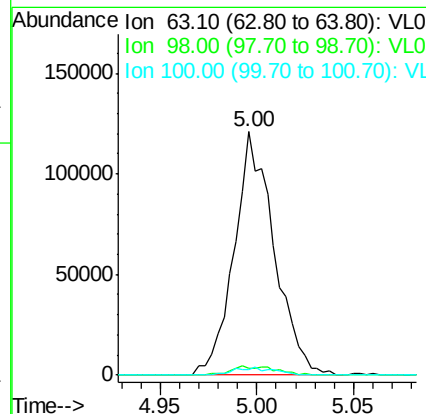
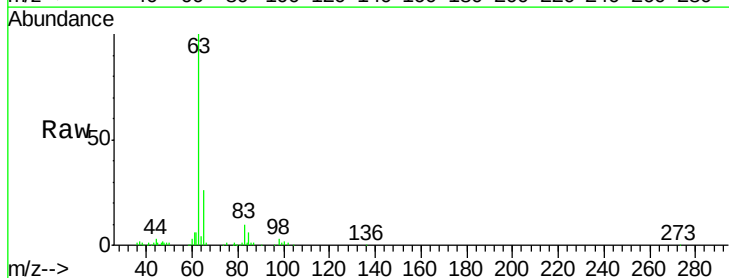
RT: 5.00 min Scan# 687

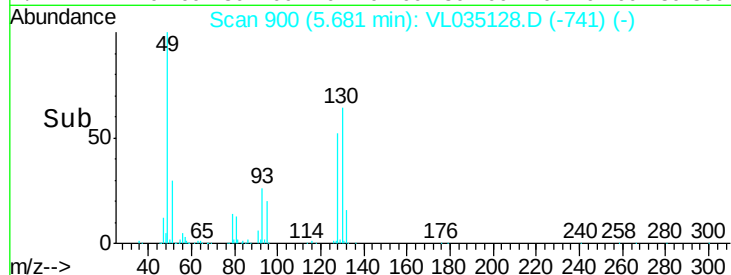
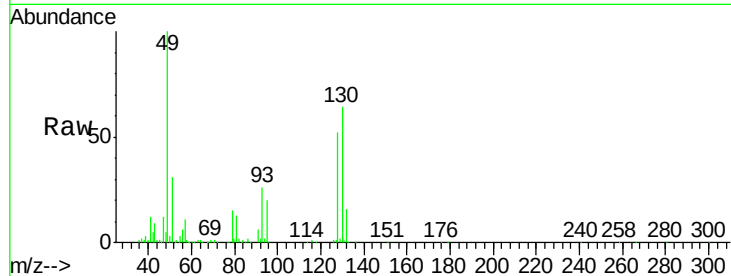
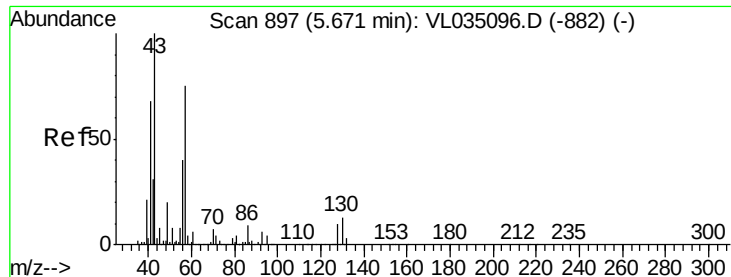
Delta R.T. 0.01 min

Lab File: VL035128.D

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Tgt Ion:	63	Resp:	171491
Ion Ratio	Lower	Upper	
63	100		
98	3.0	2.3	6.9
100	2.2	1.4	4.0





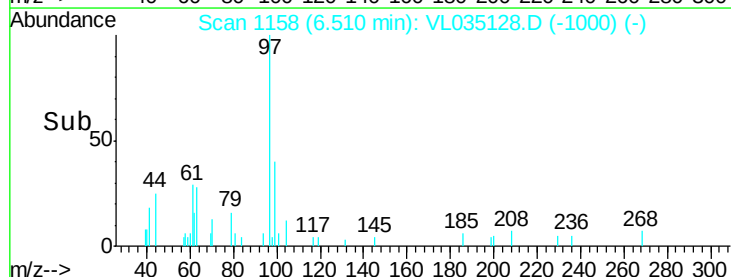
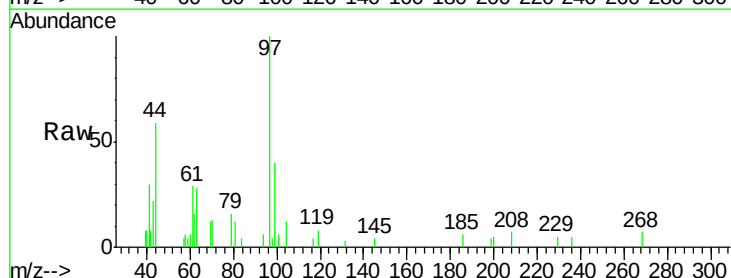
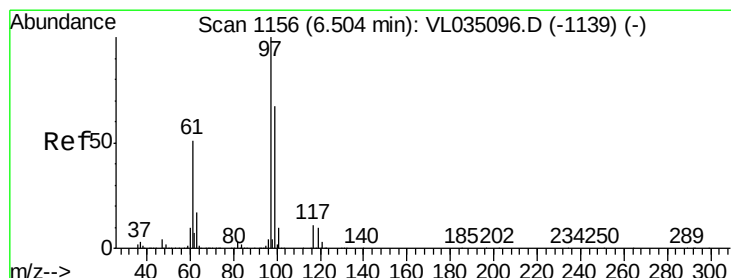
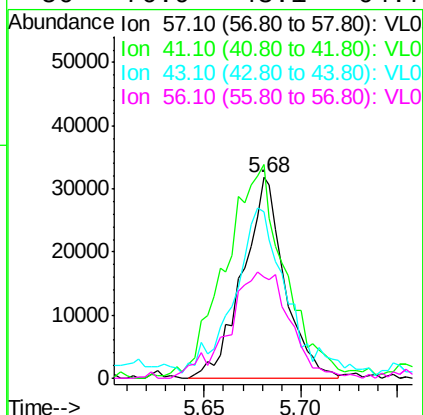
#26
Hexane
Concen: 0.355 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL035128.D
Acq: 30 Jun 2020 16:58

Tot Ion	Ratio	Lower	Upper
57	100		
41	153.4	72.9	109.3#
43	0.0	181.3	271.9#
56	76.9	43.1	64.7#

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

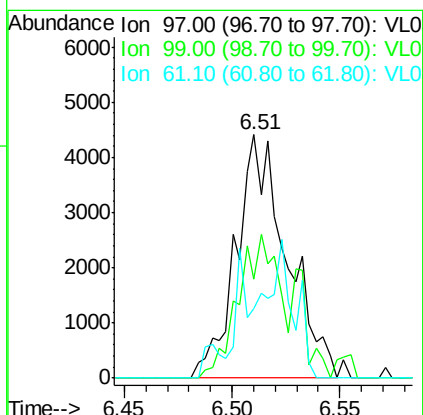
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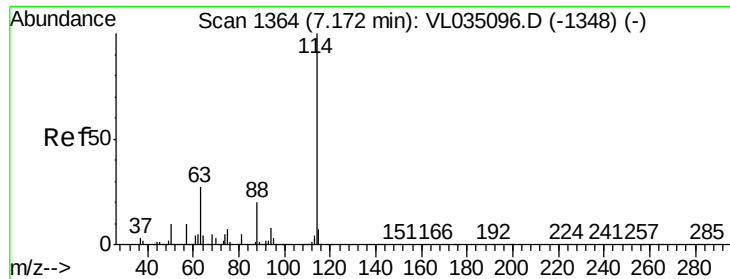
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#32
1,1,1-Trichloroethane
Concen: 0.037 ppbv m
RT: 6.51 min Scan# 1158
Delta R.T. 0.01 min
Lab File: VL035128.D
Acq: 30 Jun 2020 16:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.0	78.0
61	0.0	41.0	61.6#





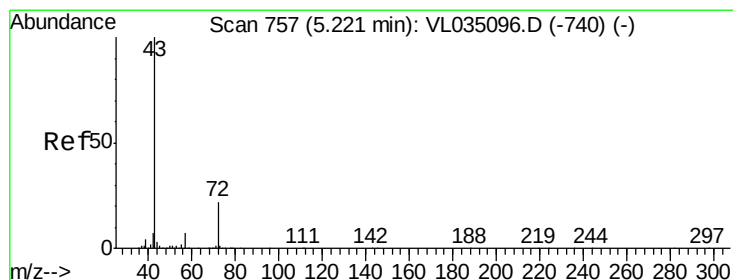
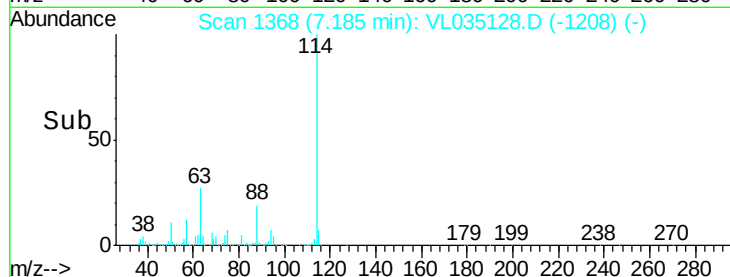
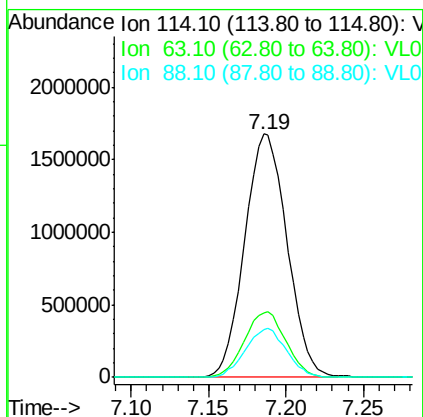
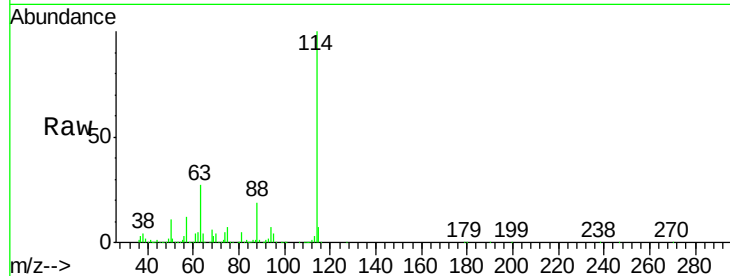
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL035128.D
 Acq: 30 Jun 2020 16:58

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.9	32.9
88	19.5	15.6	23.4

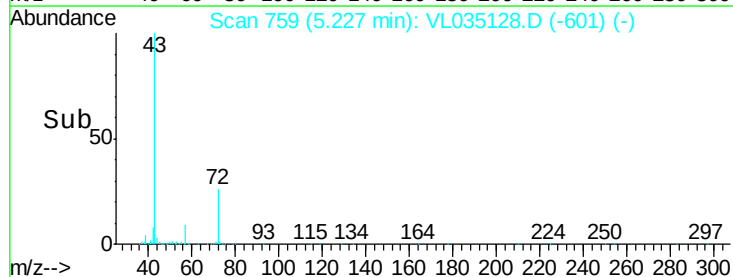
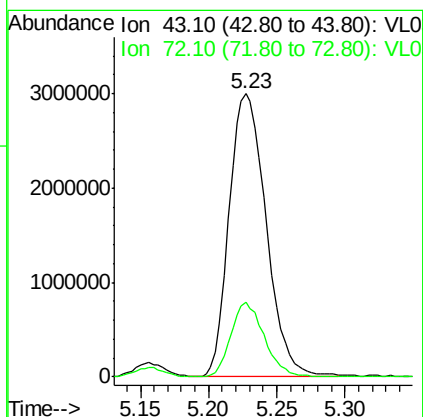
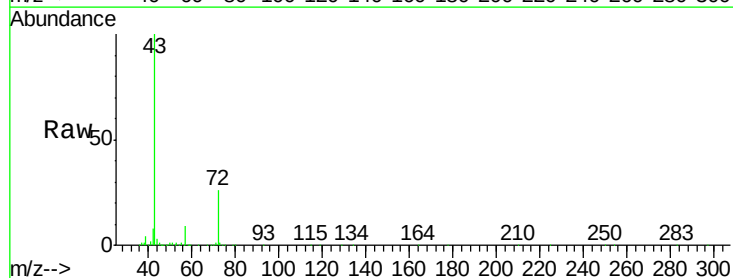
Manual Integrations
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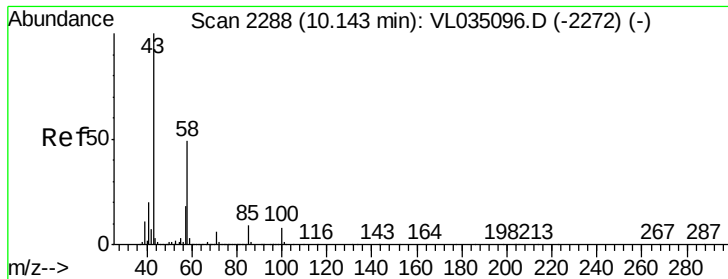
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#34
 2-Butanone
 Concen: 30.649 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: VL035128.D
 Acq: 30 Jun 2020 16:58

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.2	18.3	27.5





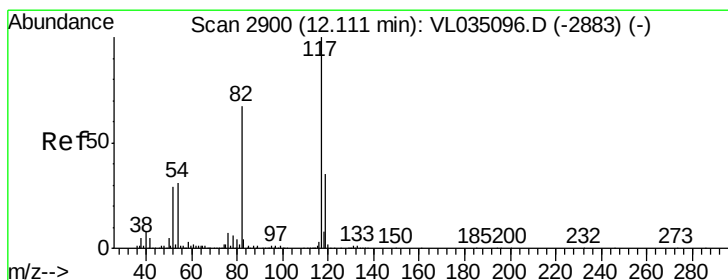
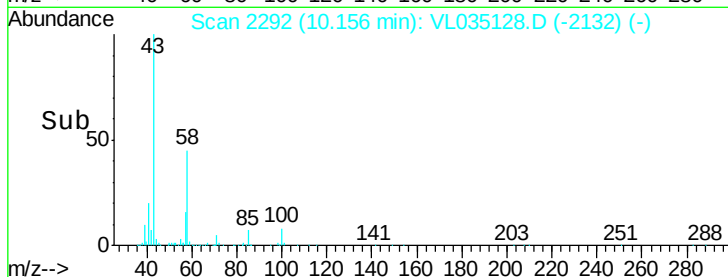
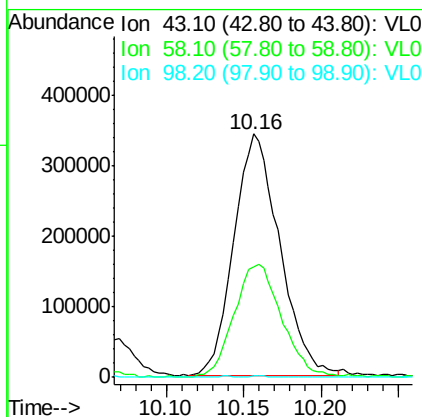
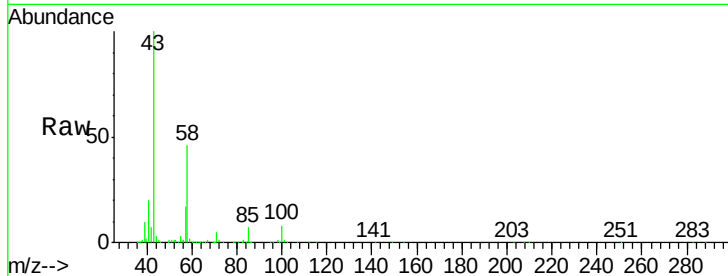
#51
2-Hexanone
Concen: 3.469 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL035128.D
Acq: 30 Jun 2020 16:58

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.0	39.2	58.8
98	0.6	0.3	0.5#

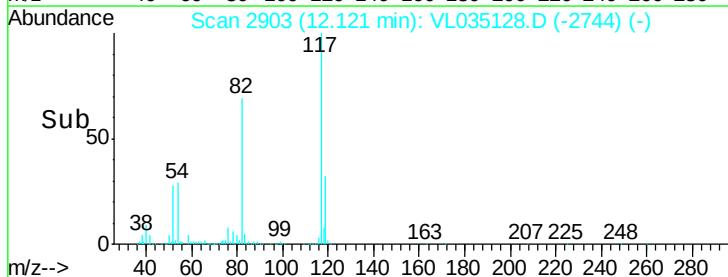
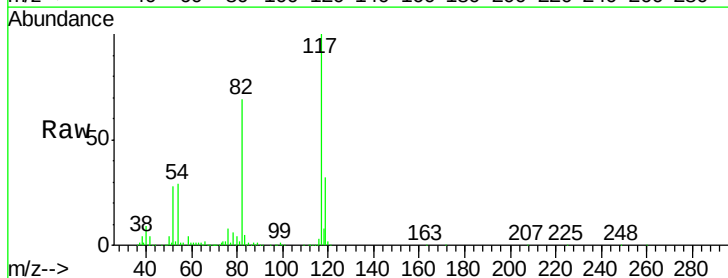
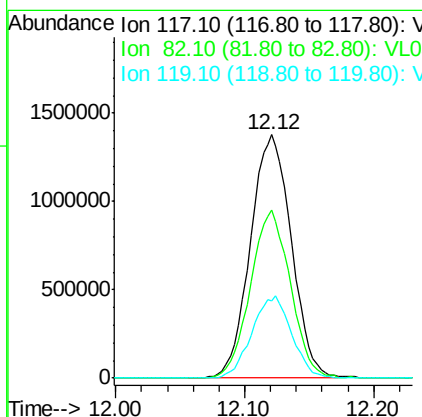
Manual Integrations
APPROVED

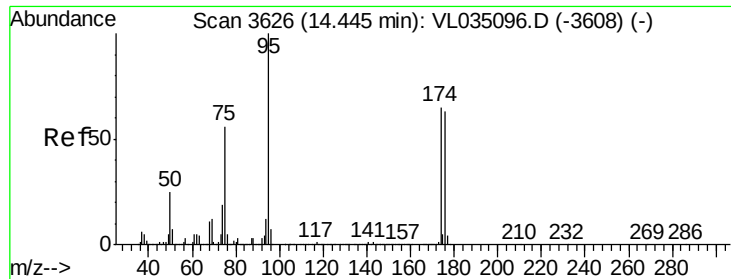
MMDadoda
7/2/2020 5:00:36 PM



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035128.D
Acq: 30 Jun 2020 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.7	50.4	75.6
119	32.9	25.4	38.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.037 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: VL035128.D
 Acq: 30 Jun 2020 16:58

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDL

Tot Ion: 95 Resp: 2539227
 Ion Ratio Lower Upper
 95 100
 174 66.4 52.2 78.2
 175 5.2 4.0 6.0

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 5:00:36 PM

