

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035135.D
 Acq On : 30 Jun 2020 21:31
 Operator : SY/AP
 Sample : L3124-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDL

Manual Integrations
 APPROVED

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 7/2/2020 5:00:49 PM

Quant Time: Jul 01 14:47:32 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	1238454	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2882728	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2708768	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2293507	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.97	41	83216	1.536	ppbv	100
13) Ethanol	3.58	45	36661m	1.791	ppbv	
15) Acetone	3.82	43	420618	2.809	ppbv #	59
24) 1,1-Dichloroethane	5.00	63	41404	0.270	ppbv	98
34) 2-Butanone	5.23	43	1505436	9.094	ppbv	100
51) 2-Hexanone	10.18	43	123536m	0.671	ppbv	

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

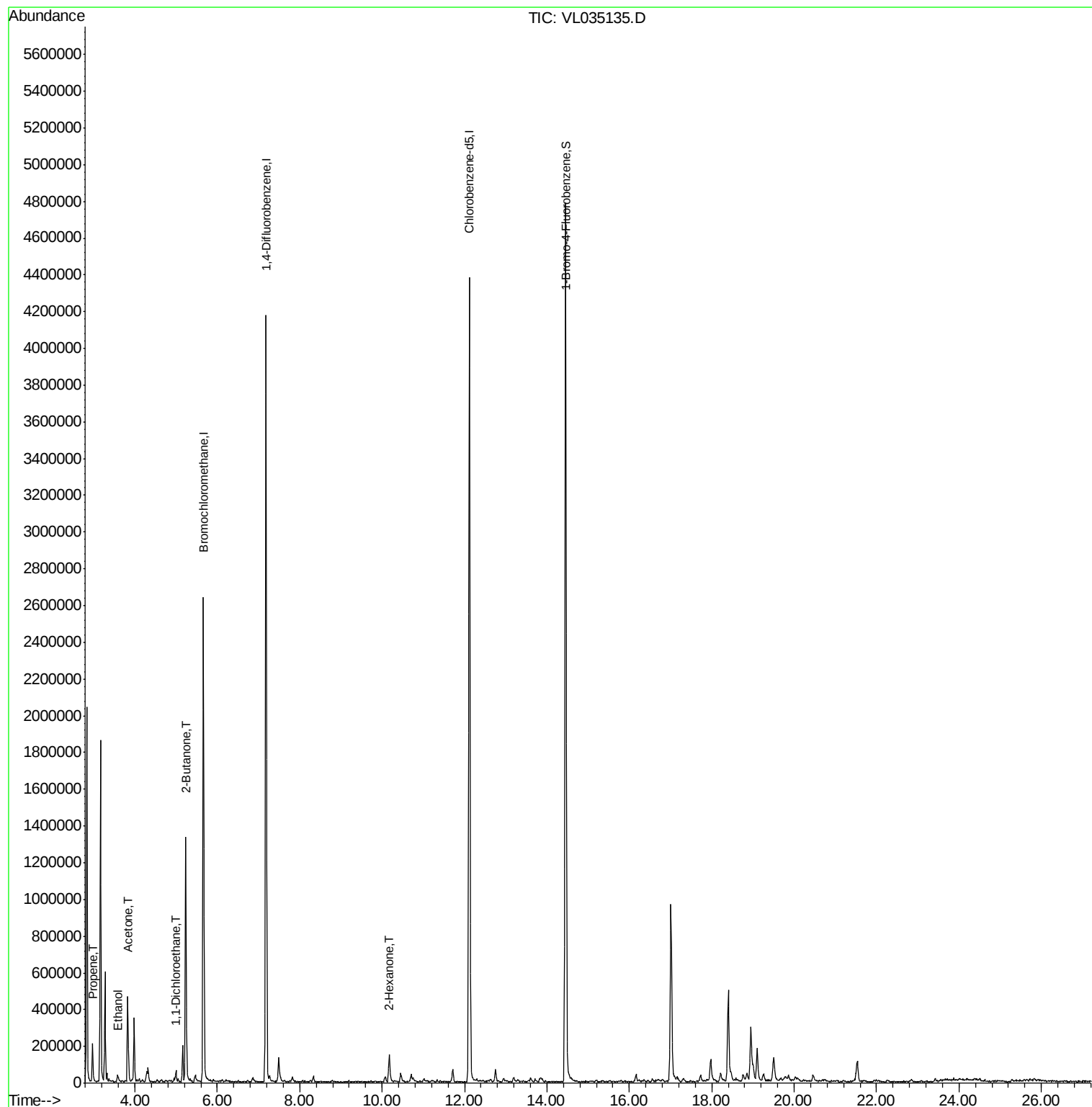
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL063020\
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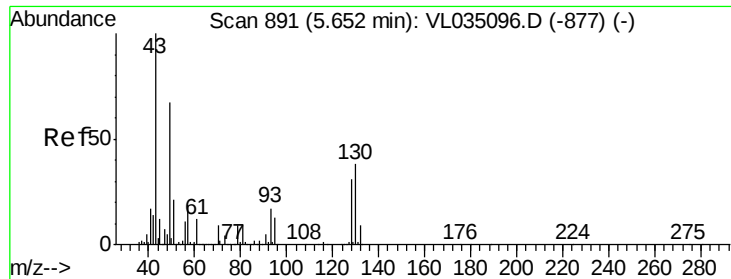
Instrument :
MSVOA_L
ClientSampleId :
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#1

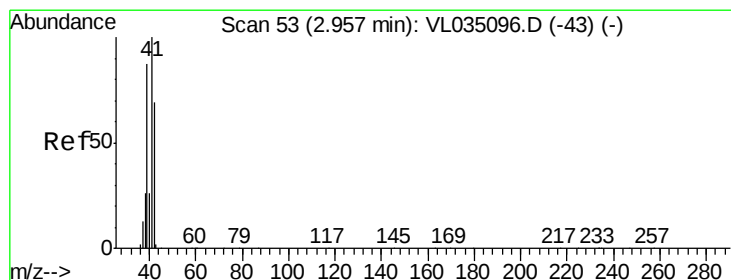
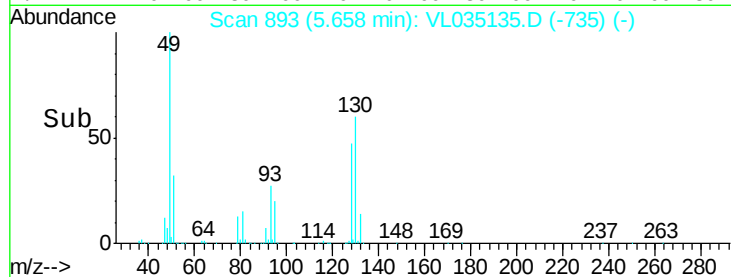
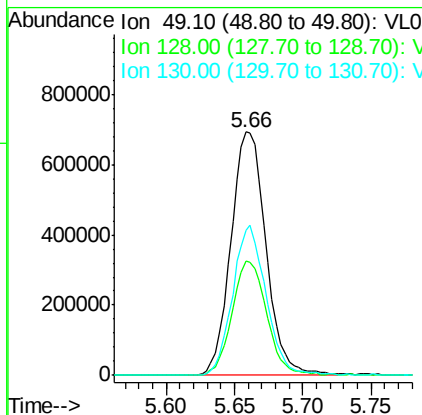
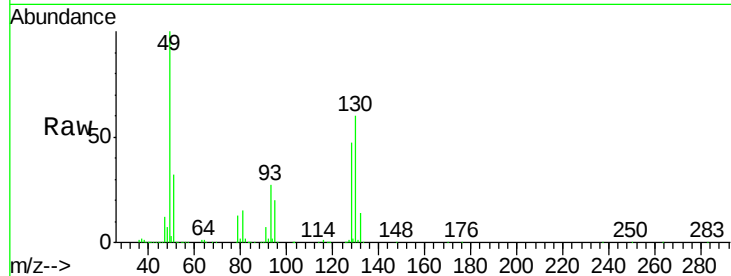
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VL035135.D
 Acq: 30 Jun 2020 21:31

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENTDL

Tot Ion	Ratio	Lower	Upper
49	100		
128	46.7	22.9	68.5
130	59.4	29.0	87.0

Manual Integrations
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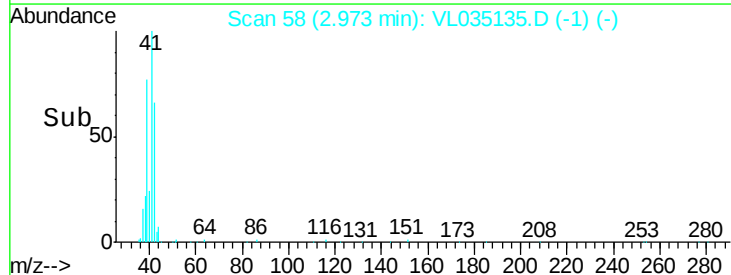
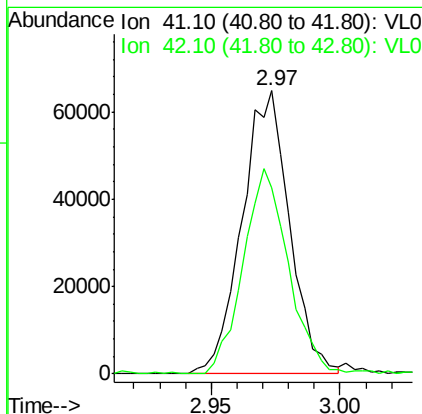
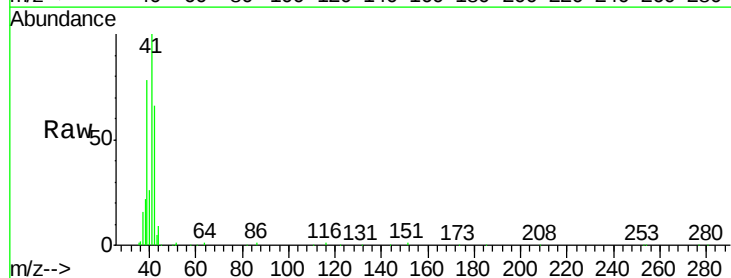
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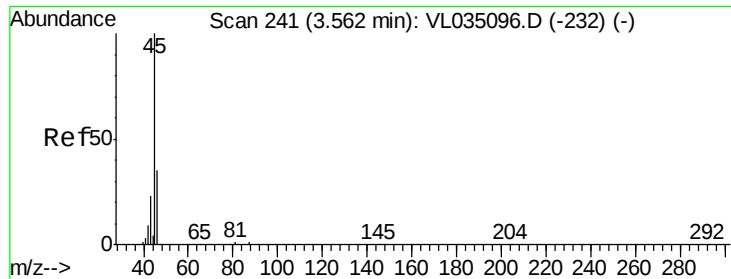


#9

Propene
 Concen: 1.536 ppbv
 RT: 2.97 min Scan# 58
 Delta R.T. 0.02 min
 Lab File: VL035135.D
 Acq: 30 Jun 2020 21:31

Tgt Ion	Ratio	Lower	Upper
41	100		
42	69.9	55.8	83.6





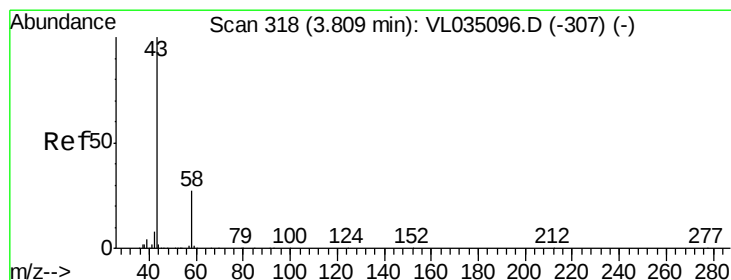
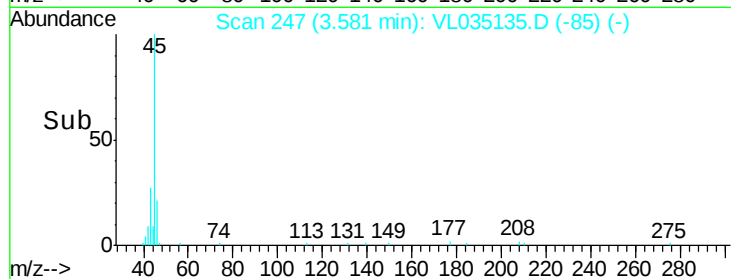
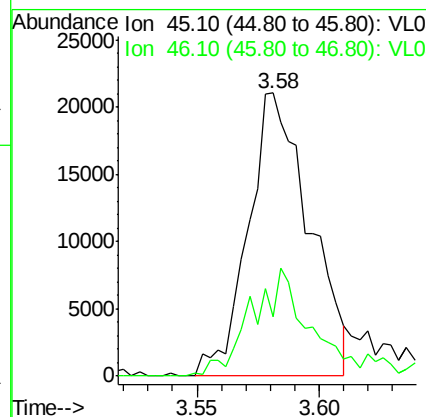
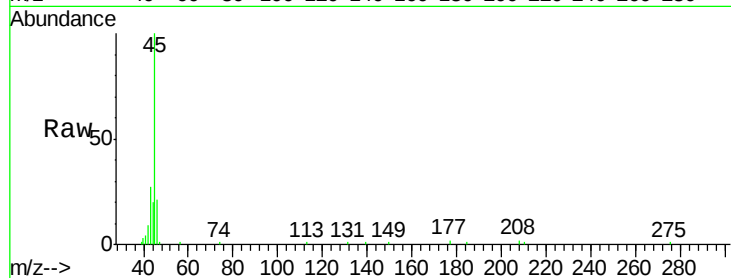
#13
Ethanol
Concen: 1.791 ppbv m
RT: 3.58 min Scan# 247
Delta R.T. 0.02 min
Lab File: VL035135.D
Acq: 30 Jun 2020 21:31

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.2	57.0#

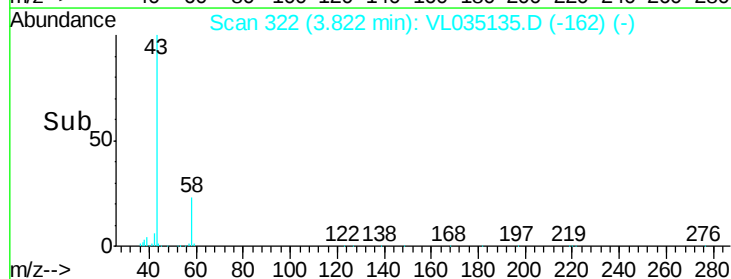
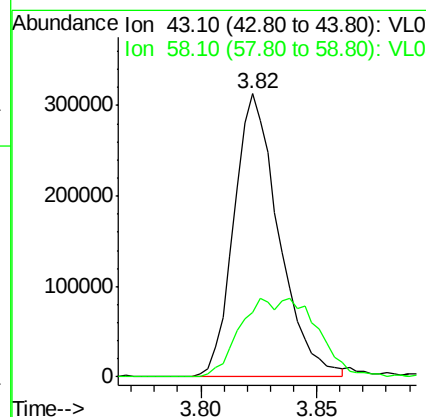
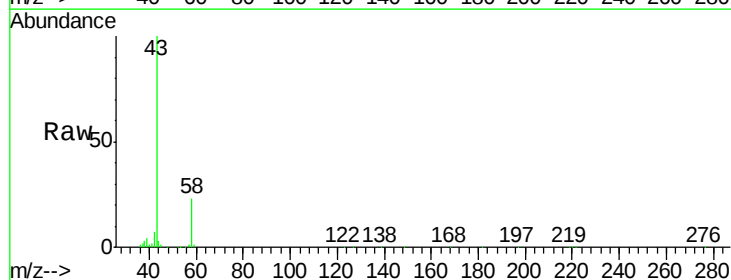
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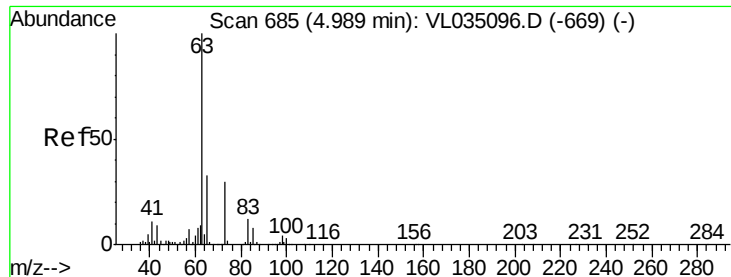
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#15
Acetone
Concen: 2.809 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.01 min
Lab File: VL035135.D
Acq: 30 Jun 2020 21:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.4	21.8	32.6#





#24

1,1-Dichloroethane

Concen: 0.270 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.01 min

Lab File: VL035135.D

Acq: 30 Jun 2020 21:31

Instrument :

MSVOA_L

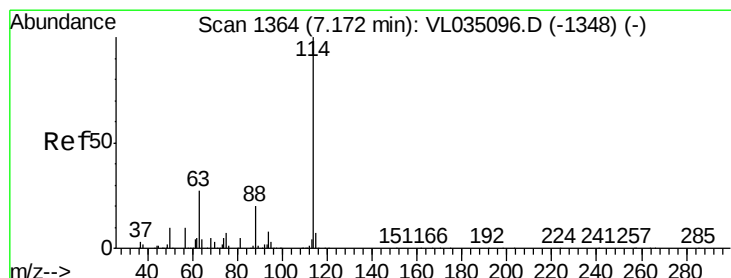
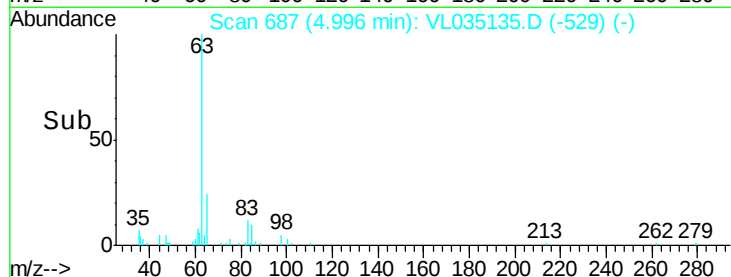
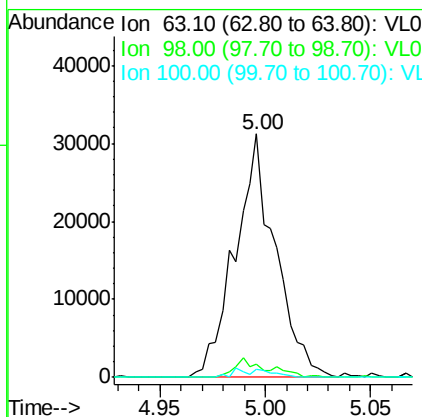
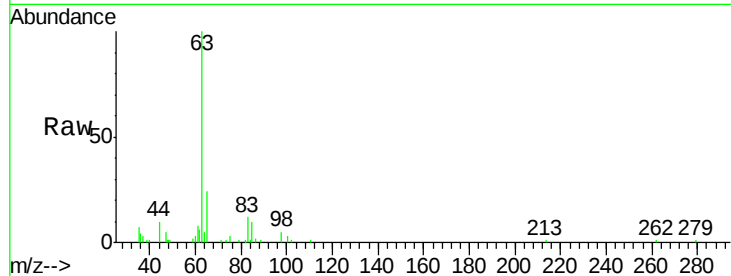
ClientSampleId :

EFFLUENTDL

Tot Ion:	63	Resp:	41404
Ion Ratio	Lower	Upper	
63	100		
98	5.3	2.3	6.9
100	3.1	1.4	4.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

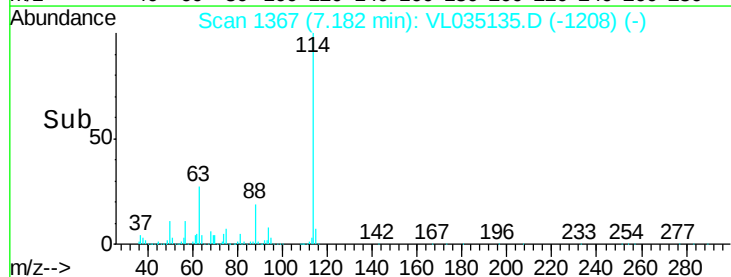
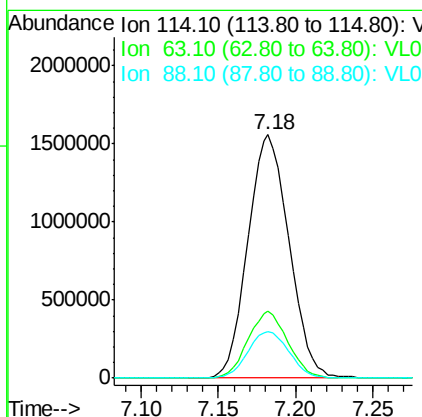
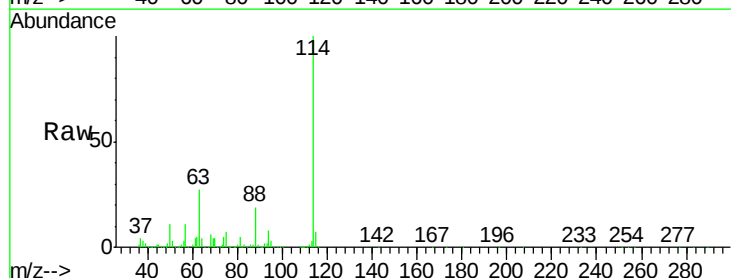
RT: 7.18 min Scan# 1367

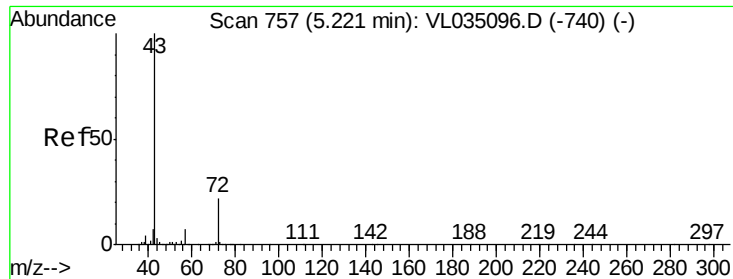
Delta R.T. 0.01 min

Lab File: VL035135.D

Acq: 30 Jun 2020 21:31

Tgt Ion:	114	Resp:	2882728
Ion Ratio	Lower	Upper	
114	100		
63	26.9	21.9	32.9
88	19.4	15.6	23.4





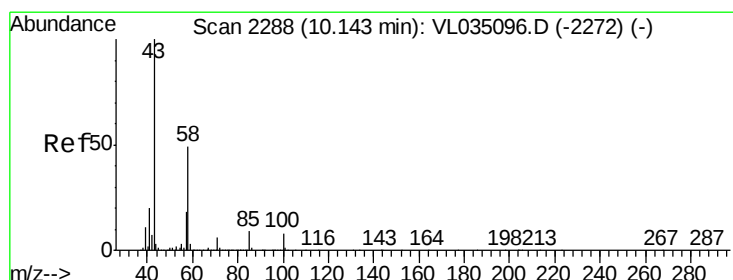
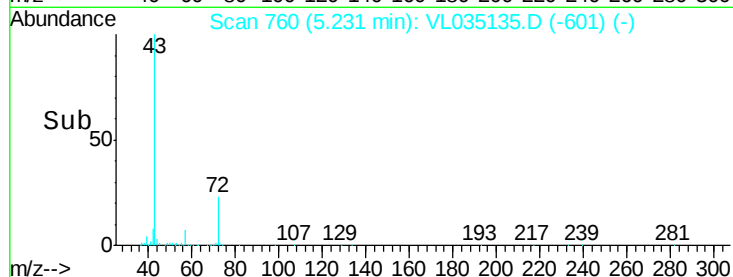
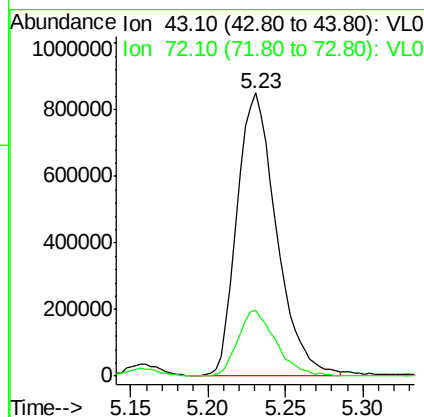
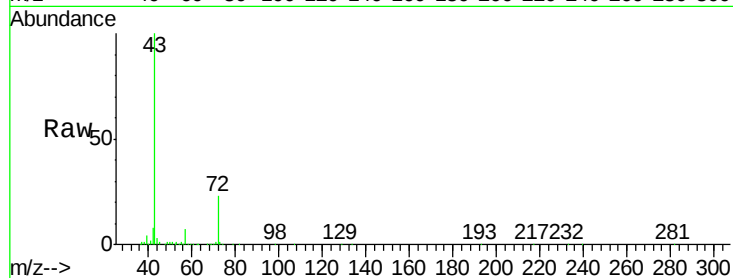
#34
2-Butanone
Concen: 9.094 ppbv
RT: 5.23 min Scan# 760
Delta R.T. 0.01 min
Lab File: VL035135.D
Acq: 30 Jun 2020 21:31

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Tot Ion: 43 Resp: 1505436
Ion Ratio Lower Upper
43 100
72 22.8 18.3 27.5

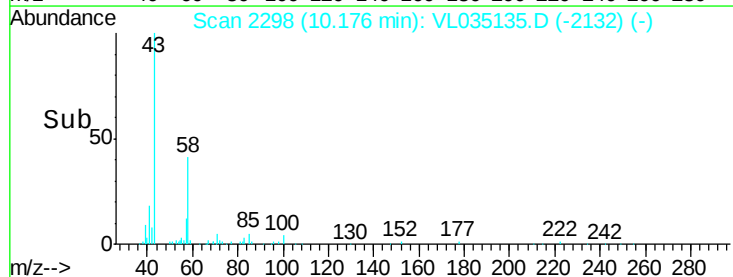
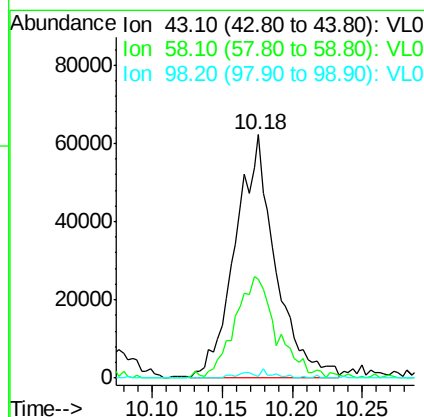
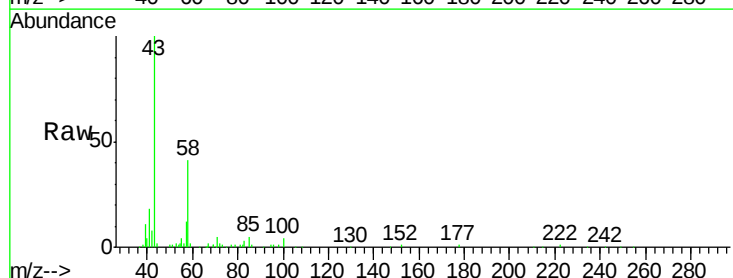
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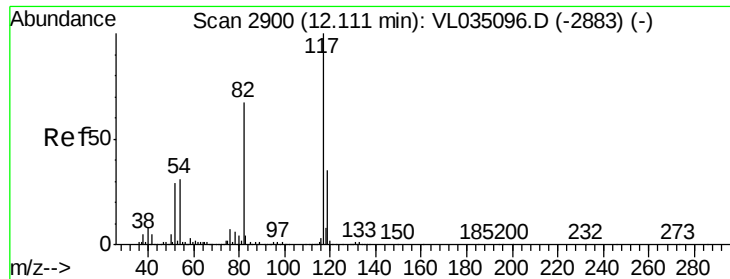
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#51
2-Hexanone
Concen: 0.671 ppbv m
RT: 10.18 min Scan# 2298
Delta R.T. 0.03 min
Lab File: VL035135.D
Acq: 30 Jun 2020 21:31

Tgt Ion: 43 Resp: 123536
Ion Ratio Lower Upper
43 100
58 0.0 39.2 58.8#
98 0.0 0.3 0.5#





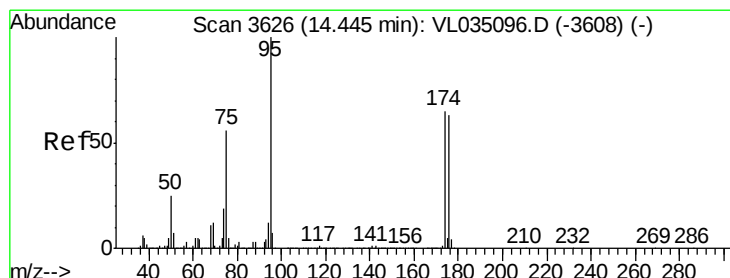
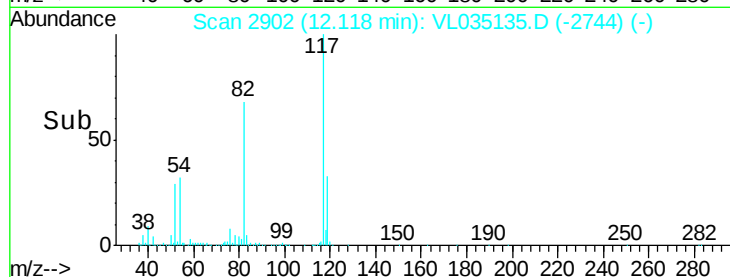
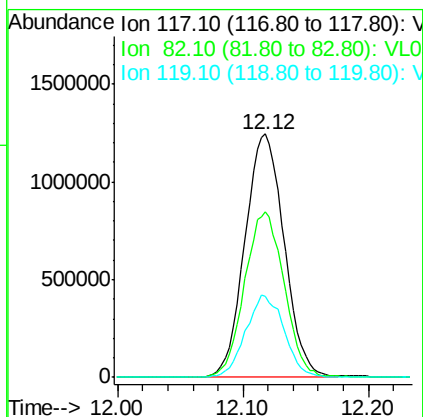
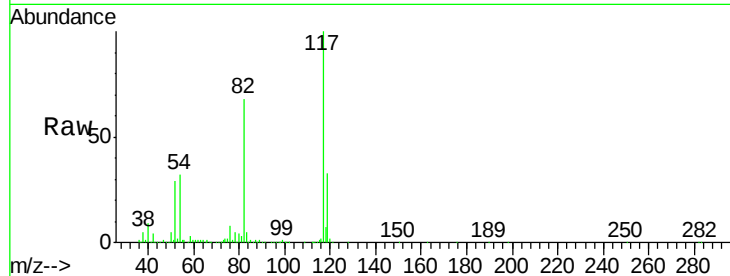
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035135.D
Acq: 30 Jun 2020 21:31

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENTDL

Tot Ion:117 Resp: 2708768
Ion Ratio Lower Upper
117 100
82 69.0 50.4 75.6
119 33.2 25.4 38.0

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.193 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. 0.01 min
Lab File: VL035135.D
Acq: 30 Jun 2020 21:31

Tgt Ion: 95 Resp: 2293507
Ion Ratio Lower Upper
95 100
174 65.7 52.2 78.2
175 5.0 4.0 6.0

