

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037357.D
 Acq On : 6 Aug 2021 23:58
 Operator : SY/AP
 Sample : M3157-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-EFFLUENTDL

Manual Integrations
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8/10/2021 6:09:58 PM

Quant Time: Aug 07 03:51:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
 QLast Update : Fri Aug 06 17:52:04 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	825664	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2745361	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2342089	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1534566	9.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	9457	0.171	ppbv	90
13) Ethanol	3.63	45	12971m	1.273	ppbv	
15) Acetone	3.87	43	75864	0.882	ppbv #	39
20) Methylene Chloride	4.34	84	51201	0.711	ppbv #	89
26) Hexane	5.69	57	21786m	0.181	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	195458	2.059	ppbv	98
34) 2-Butanone	5.27	43	24670m	0.268	ppbv	
53) Toluene	9.79	91	32788m	0.134	ppbv	

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

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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

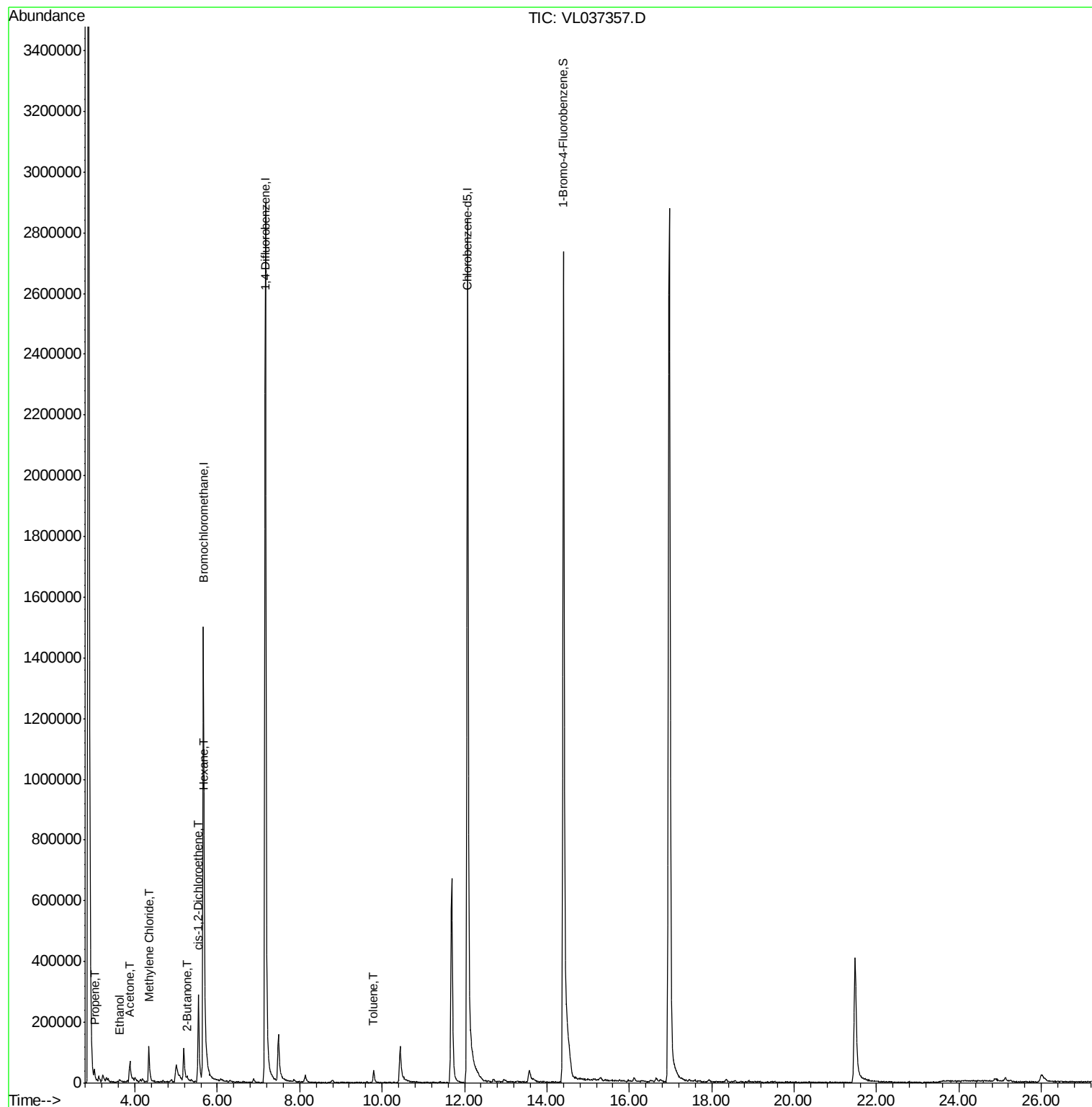
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENTDL

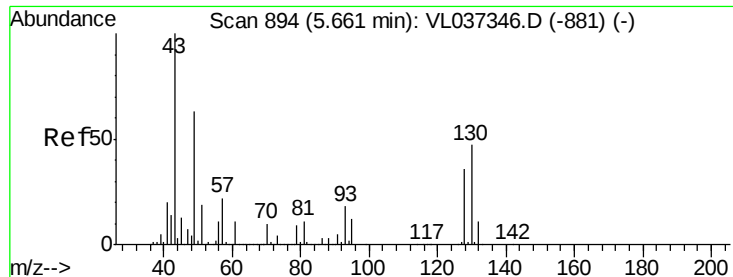
Quant Time: Aug 07 03:51:05 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 06 17:52:04 2021
Response via : Initial Calibration

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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037357.D
Acq: 6 Aug 2021 23:58

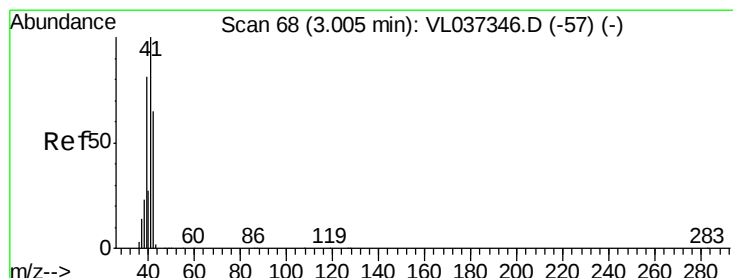
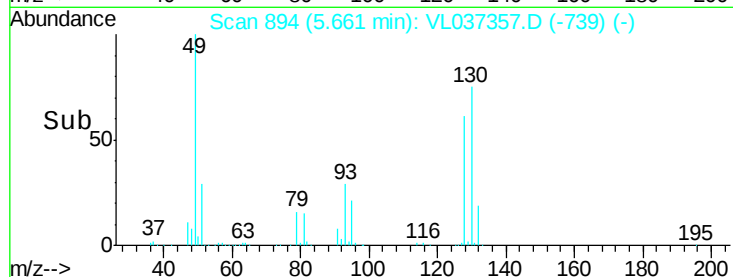
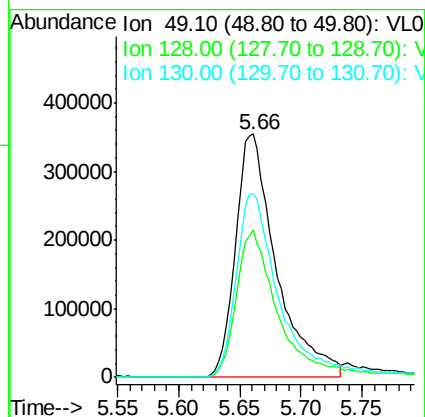
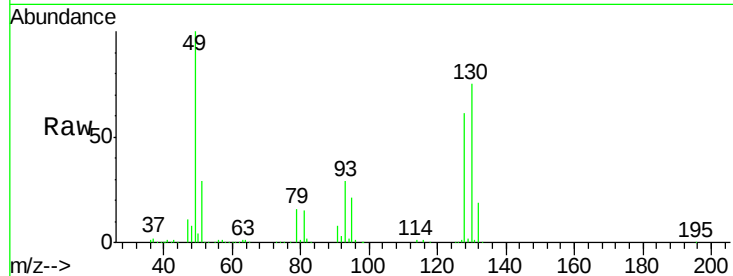
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENTDL

Tot Ion: 49 Resp: 825664
Ion Ratio Lower Upper
49 100
128 63.5 32.1 96.3
130 83.6 40.0 120.0

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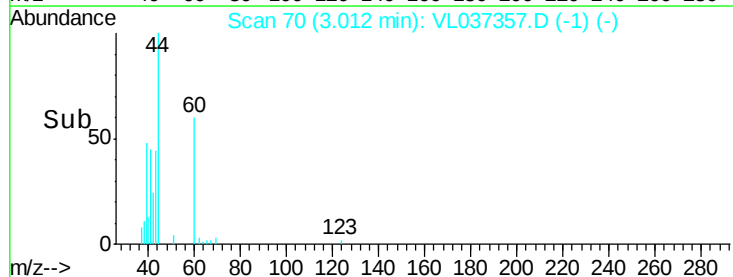
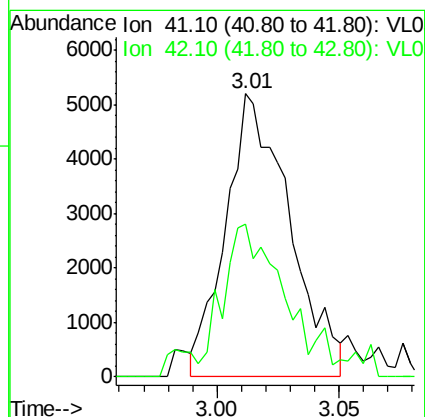
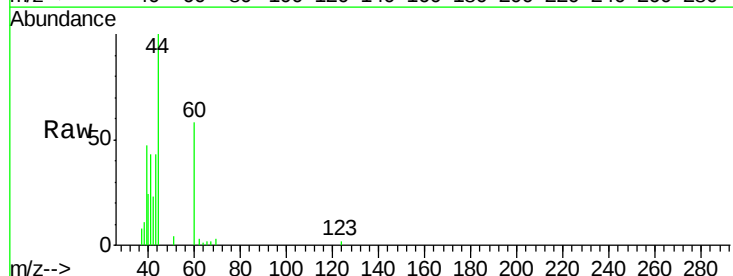
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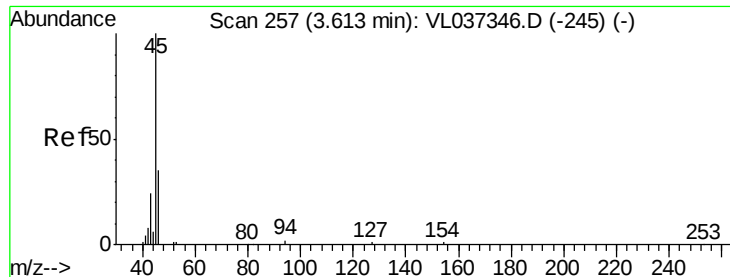
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#9
Propene
Concen: 0.171 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.01 min
Lab File: VL037357.D
Acq: 6 Aug 2021 23:58

Tgt Ion: 41 Resp: 9457
Ion Ratio Lower Upper
41 100
42 59.8 54.3 81.5





#13
Ethanol
Concen: 1.273 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.01 min
Lab File: VL037357.D
Acq: 6 Aug 2021 23:58

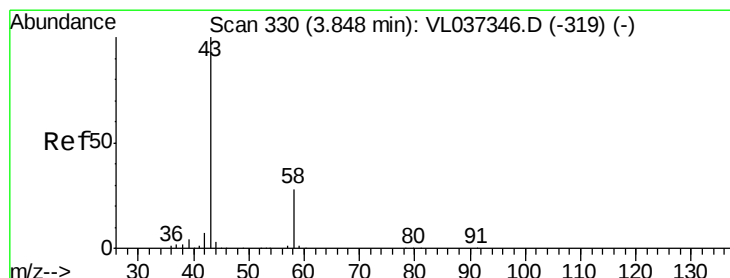
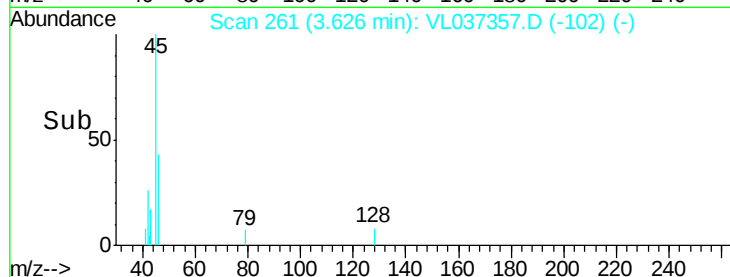
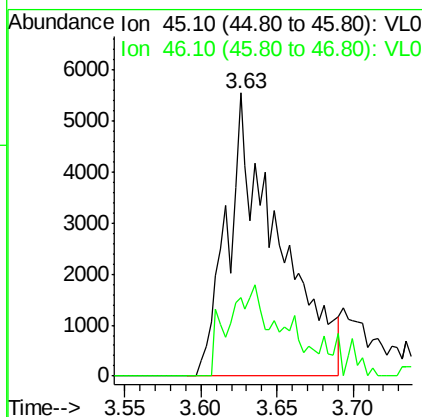
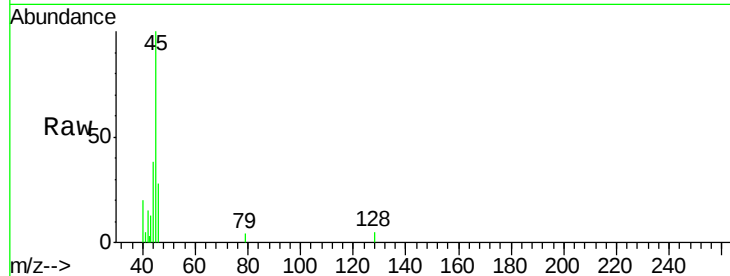
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENTDL

Tot Ion: 45 Resp: 12971
Ion Ratio Lower Upper
45 100
46 0.0 15.7 62.9#

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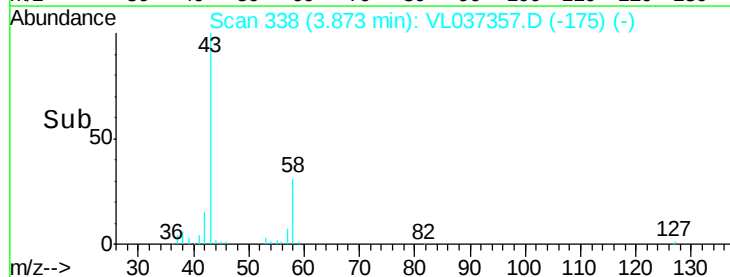
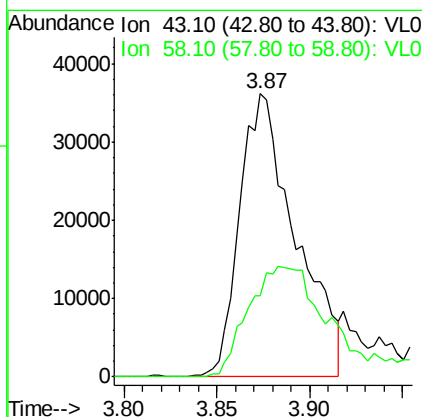
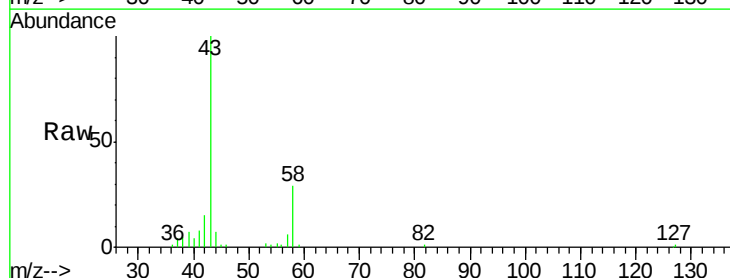
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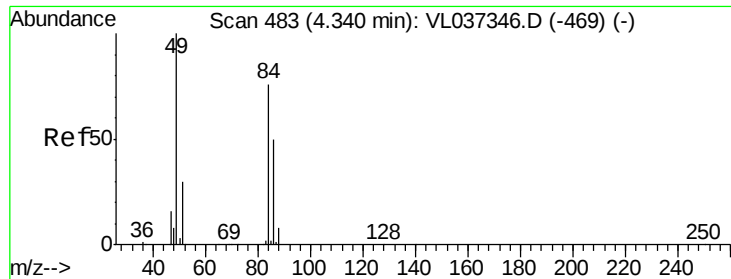
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#15
Acetone
Concen: 0.882 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.03 min
Lab File: VL037357.D
Acq: 6 Aug 2021 23:58

Tgt Ion: 43 Resp: 75864
Ion Ratio Lower Upper
43 100
58 63.9 24.6 36.8#





#20
Methvlene Chloride
Concen: 0.711 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL037357.D
Acq: 6 Aug 2021 23:58

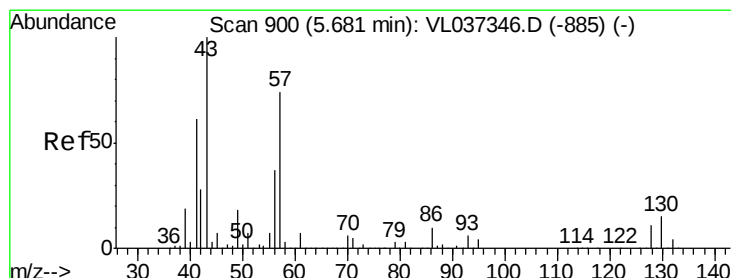
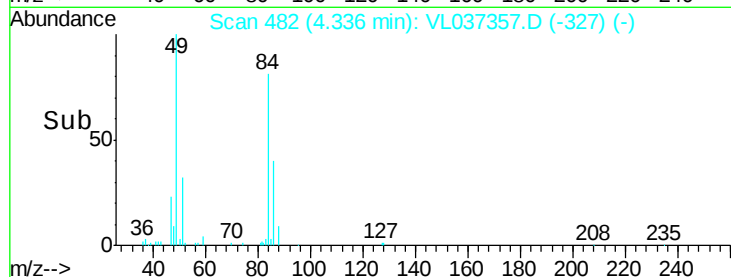
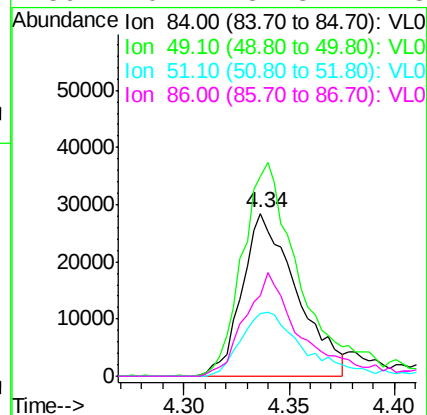
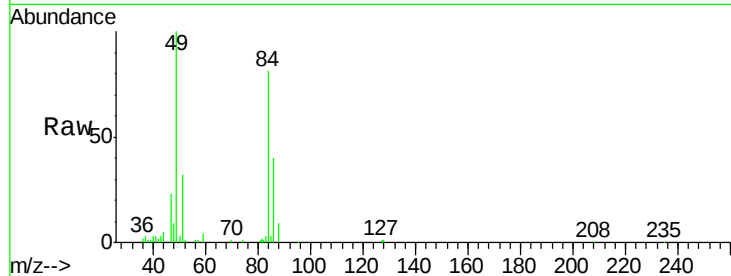
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENTDL

Tot Ion	Ratio	Lower	Upper
84	100		
49	123.1	107.3	160.9
51	38.8	33.0	49.4
86	49.7	51.8	77.8#

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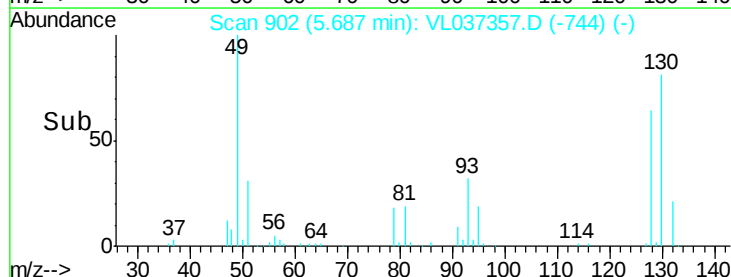
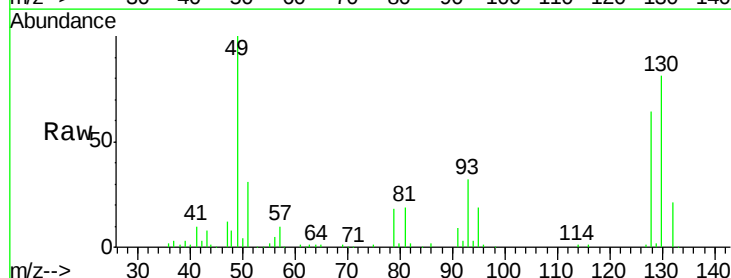
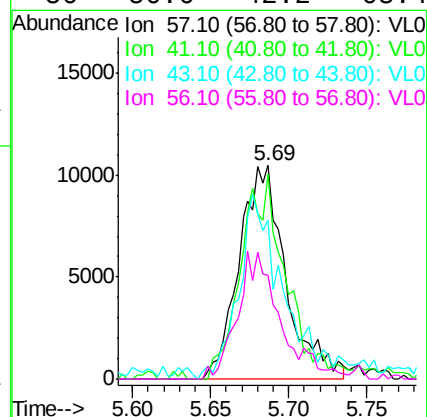
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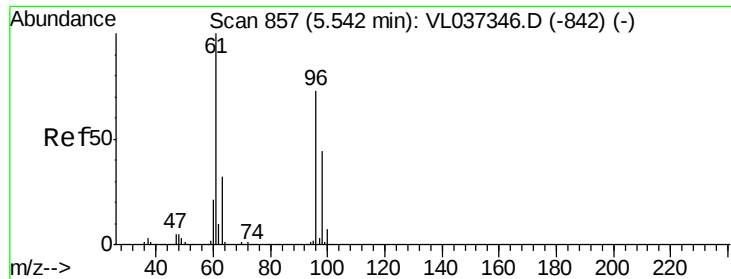
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#26
Hexane
Concen: 0.181 ppbv m
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL037357.D
Acq: 6 Aug 2021 23:58

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	69.2	103.8#
43	81.4	162.1	243.1#
56	56.6	42.2	63.4





#31
 cis-1,2-Dichloroethene
 Concen: 2.059 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL037357.D
 Acq: 6 Aug 2021 23:58

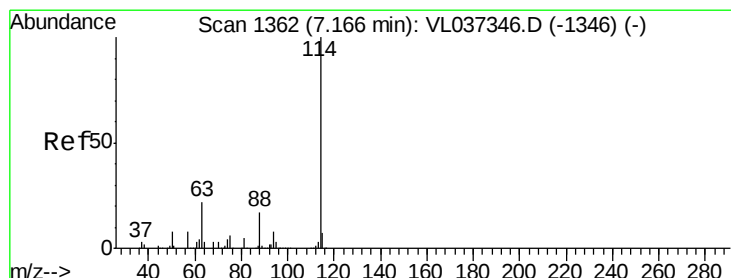
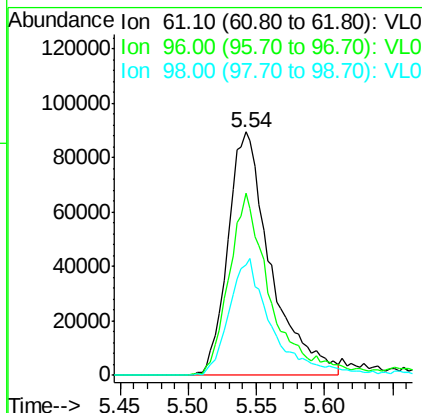
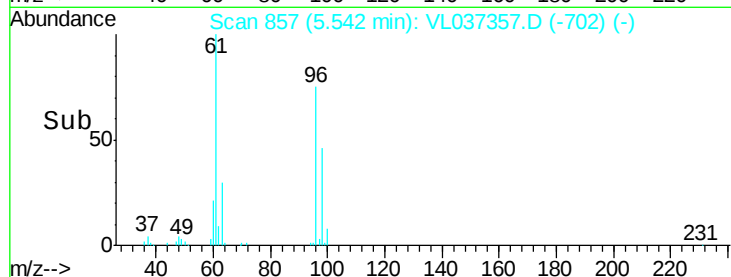
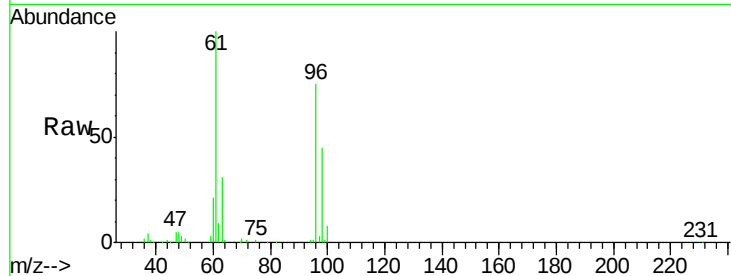
Instrument :
 MSVOA_L
 ClientSampleId :
 OFFSITE-DDC-EFFLUENTDL

Tot Ion	Ratio	Resp	Lower	Upper
61	100	195458		
96	74.7	58.5	87.7	
98	45.3	35.1	52.7	

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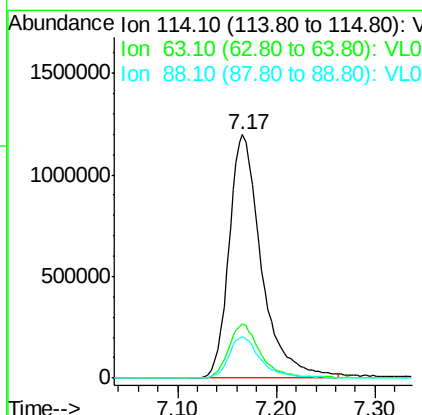
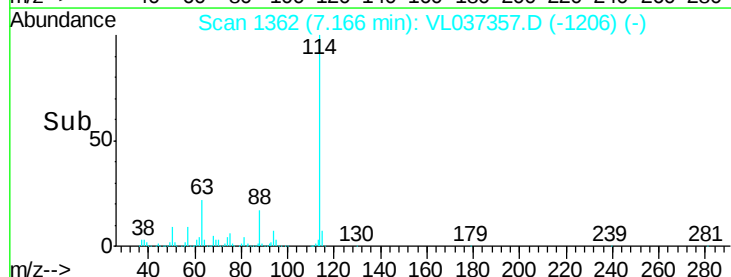
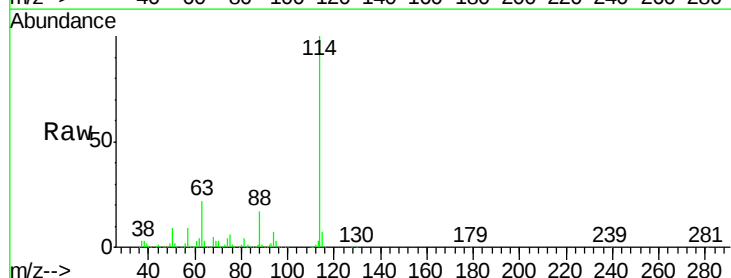
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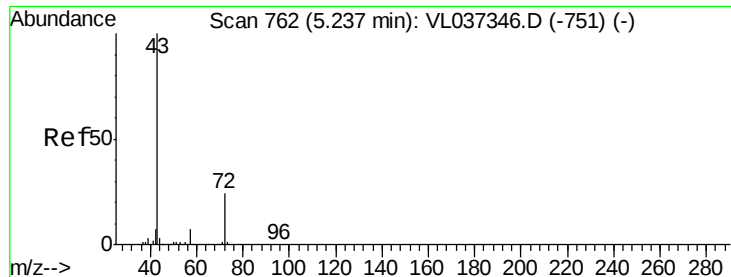
8/10/2021 6:09:58 PM



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VL037357.D
 Acq: 6 Aug 2021 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2745361		
63	22.4	17.8	26.6	
88	16.8	13.5	20.3	





#34

2-Butanone

Concen: 0.268 ppbv m

RT: 5.27 min Scan# 771

Delta R.T. 0.03 min

Lab File: VL037357.D

Acq: 6 Aug 2021 23:58

Instrument :

MSVOA_L

ClientSampleId :

OFFSITE-DDC-EFFLUENTDL

Tot Ion: 43 Resp: 24670

Ion Ratio Lower Upper

43 100

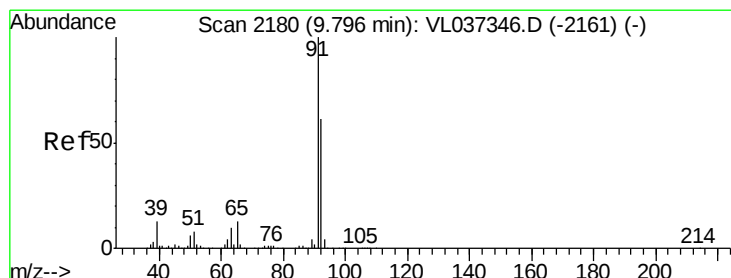
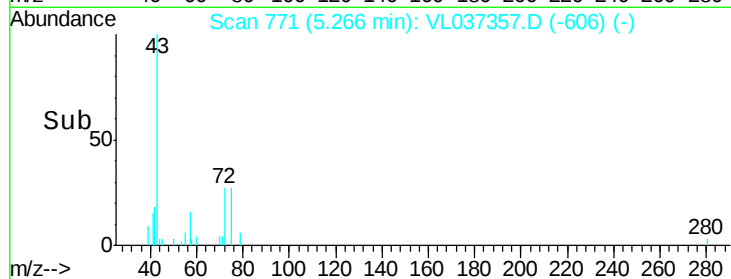
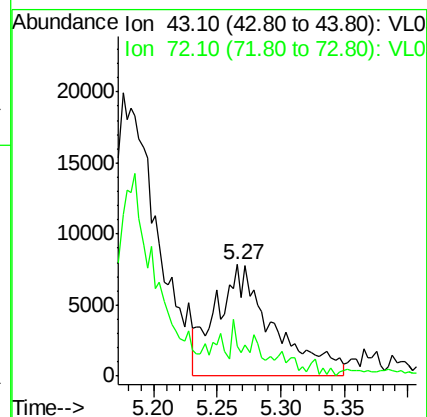
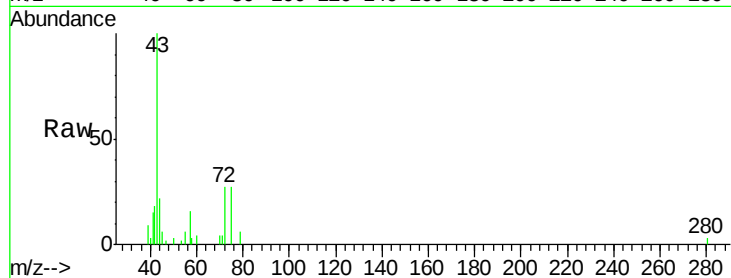
72 0.0 19.8 29.6#

Manual Integrations

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#53

Toluene

Concen: 0.134 ppbv m

RT: 9.79 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL037357.D

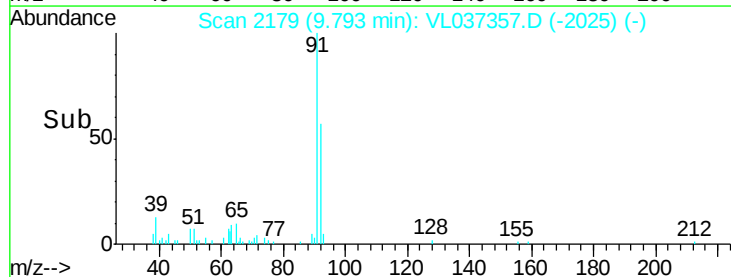
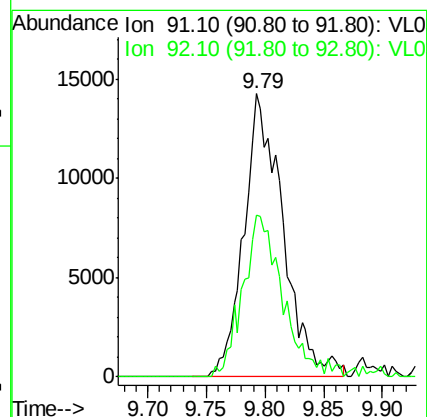
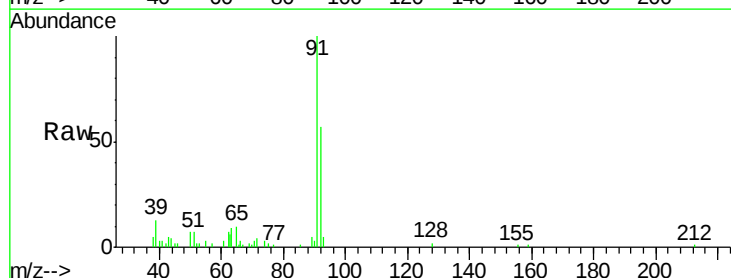
Acq: 6 Aug 2021 23:58

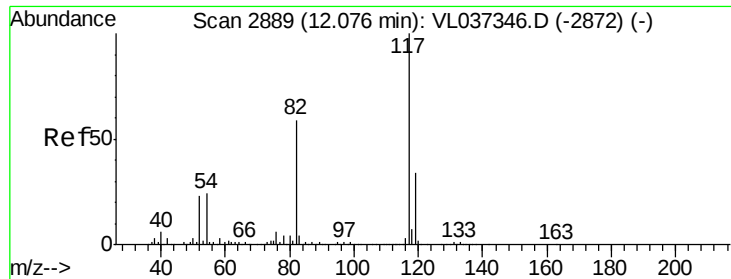
Tgt Ion: 91 Resp: 32788

Ion Ratio Lower Upper

91 100

92 61.0 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL037357.D
Acq: 6 Aug 2021 23:58

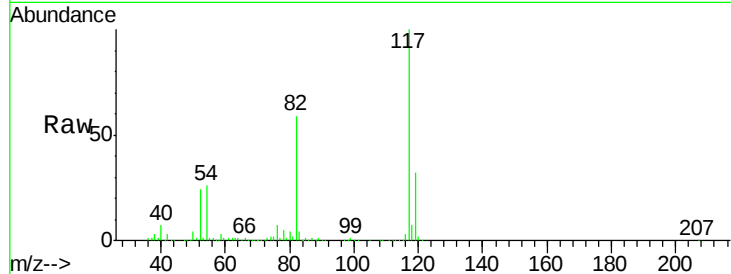
Instrument :
MSVOA_L
ClientSampleId :
OFFSITE-DDC-EFFLUENTDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	46.0	69.0
119	34.1	24.4	36.6

Manual Integrations
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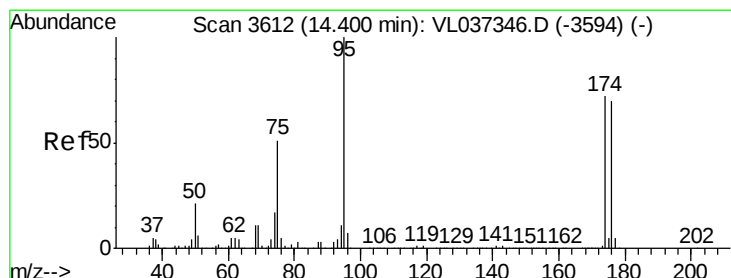
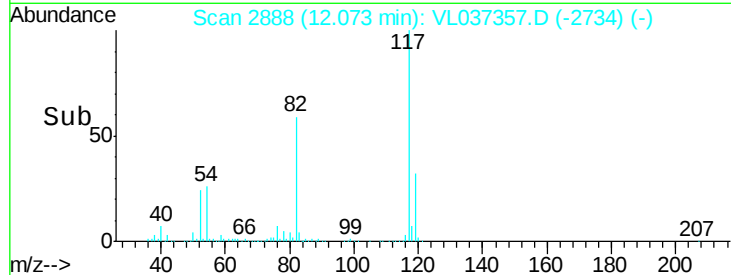
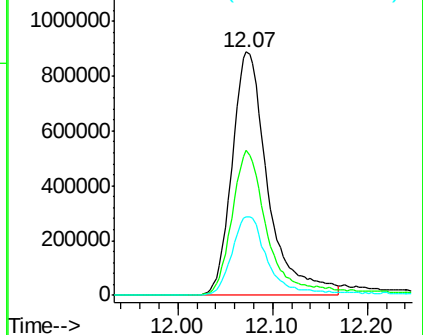


Abundance

Ion 117.10 (116.80 to 117.80): V

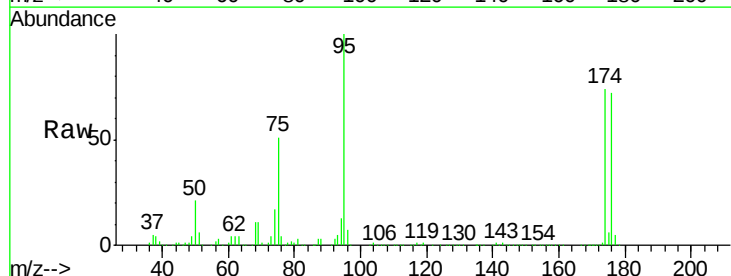
Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.301 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.00 min
Lab File: VL037357.D
Acq: 6 Aug 2021 23:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.4	60.8	91.2
175	5.6	4.3	6.5



Abundance

Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

