

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036092.D
 Acq On : 8 Dec 2020 9:00
 Operator : SY/AP
 Sample : L4948-07DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4BDL

Manual Integrations
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Quant Time: Dec 08 21:38:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1265364	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2768101	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2469878	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2078477	10.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	29933m	0.414	ppbv	
13) Ethanol	3.62	45	143634m	14.407	ppbv	
15) Acetone	3.86	43	304166m	2.000	ppbv	
26) Hexane	5.70	57	71247m	0.521	ppbv	
30) Cyclohexane	7.14	84	76503m	0.762	ppbv	
53) Toluene	9.82	91	116154	0.441	ppbv	97
58) Ethyl Benzene	12.73	91	59967	0.177	ppbv	90
59) m/p-Xylene	12.99	91	259965m	0.912	ppbv	
60) o-Xylene	13.71	91	94627m	0.352	ppbv	

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

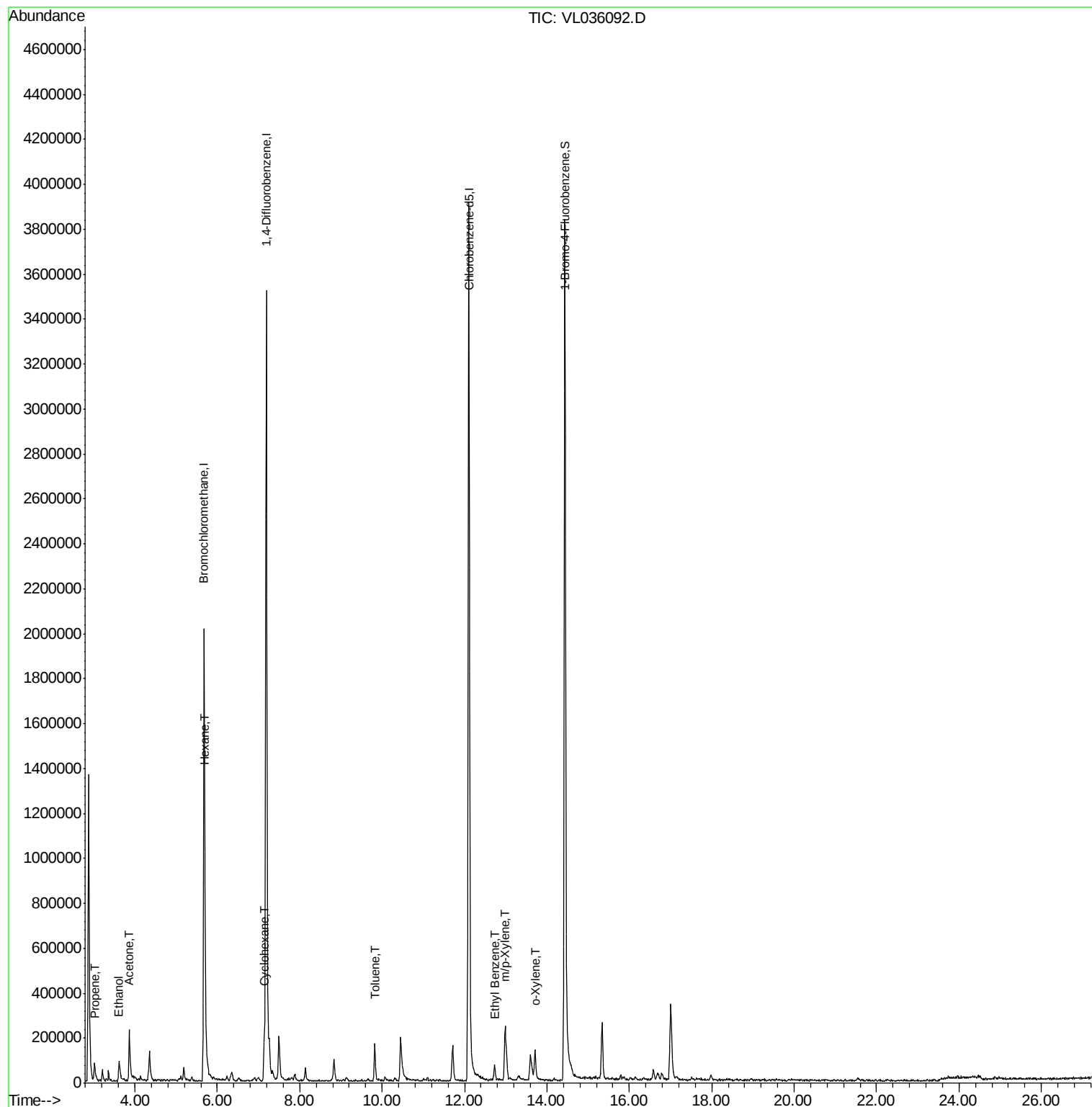
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Data File : VL036092.D
Acq On : 8 Dec 2020 9:00
Operator : SY/AP
Sample : L4948-07DL 10X
Misc : 400ml/MSVOA L
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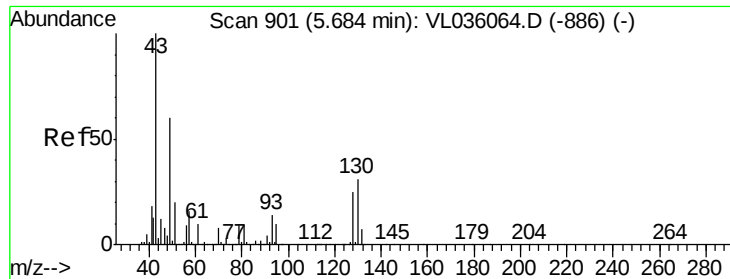
Instrument :
MSVOA_L
ClientSampleId :
IA-4BDL

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Quant Time: Dec 08 21:38:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

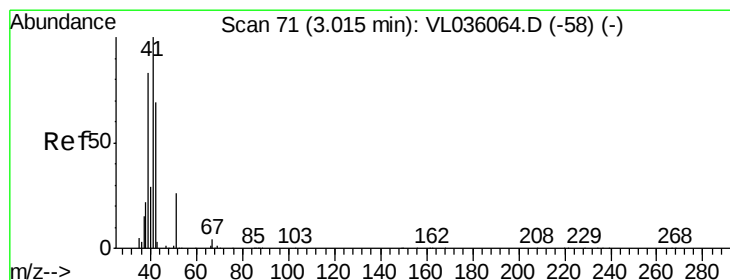
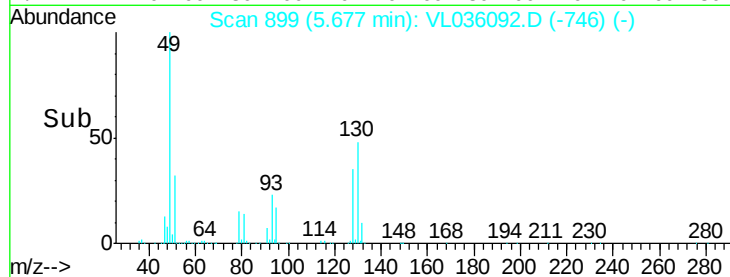
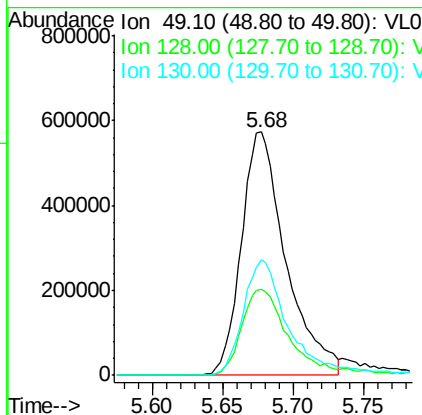
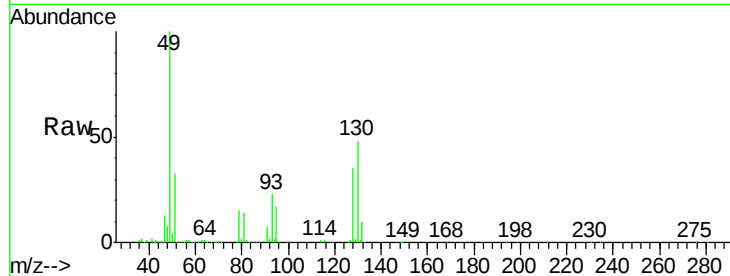
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VL036092.D
 Acq: 8 Dec 2020 9:00

Instrument :
 MSVOA_L
 ClientSampled :
 IA-4BDL

Tot Ion	Ratio	Lower	Upper
49	100		
128	39.2	21.1	63.1
130	50.3	27.1	81.3

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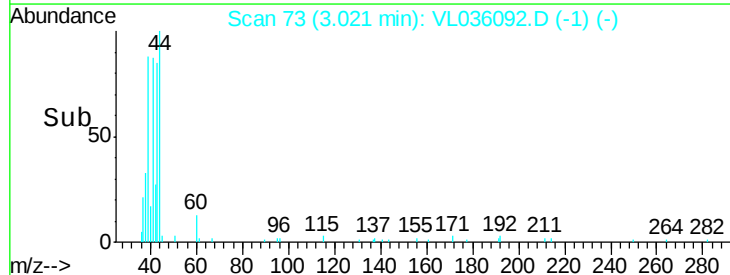
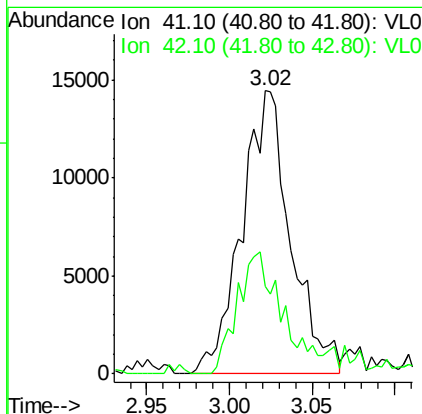
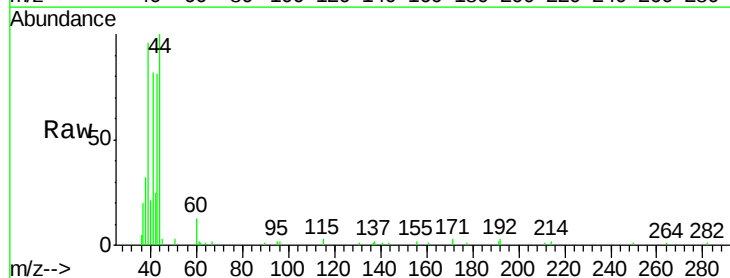
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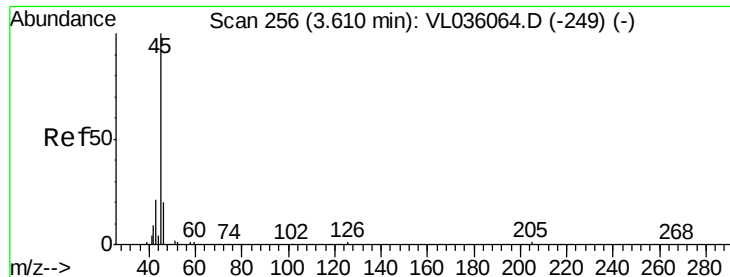


#9

Propene
 Concen: 0.414 ppbv m
 RT: 3.02 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: VL036092.D
 Acq: 8 Dec 2020 9:00

Tgt Ion	Ratio	Lower	Upper
41	100		
42	0.0	57.0	85.6#





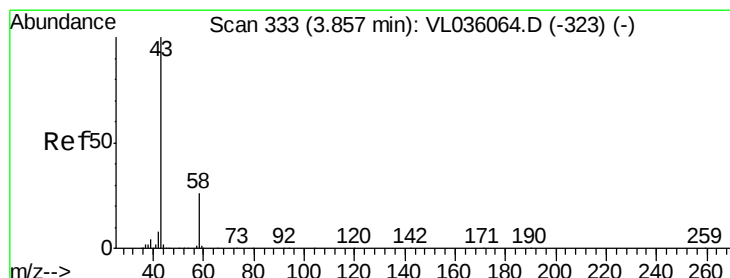
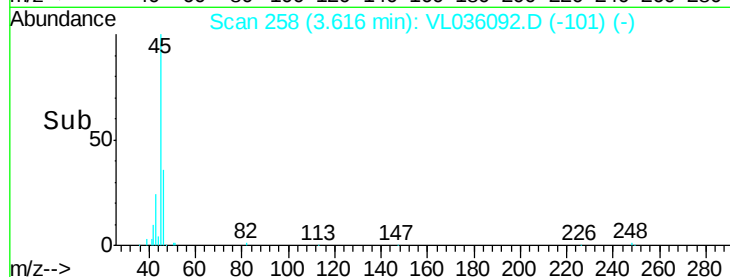
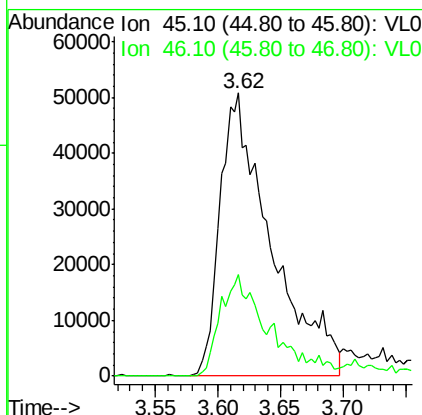
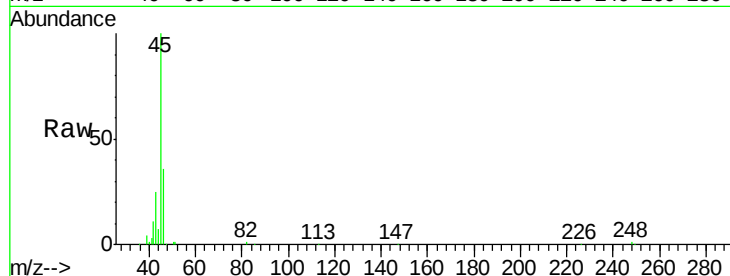
#13
Ethanol
Concen: 14.407 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036092.D
Acq: 8 Dec 2020 9:00

Instrument :
MSVOA_L
ClientSampled :
IA-4BDL

Tot Ion: 45 Resp: 143634
Ion Ratio Lower Upper
45 100
46 34.0 19.0 75.8

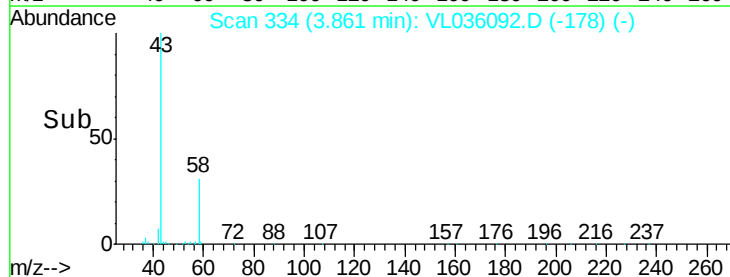
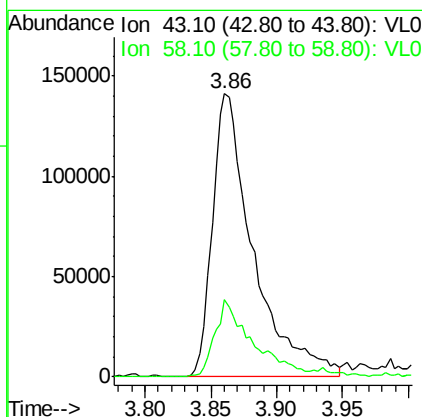
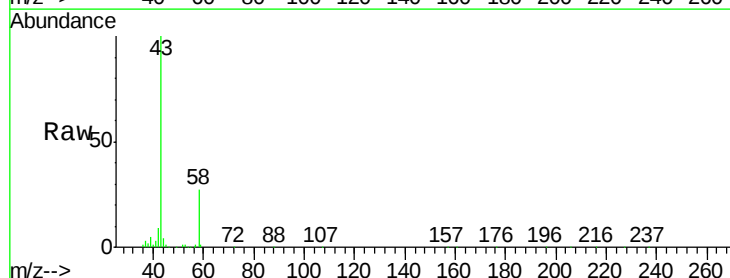
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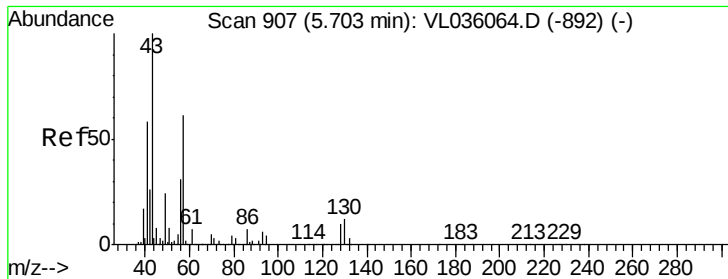
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#15
Acetone
Concen: 2.000 ppbv m
RT: 3.86 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL036092.D
Acq: 8 Dec 2020 9:00

Tgt Ion: 43 Resp: 304166
Ion Ratio Lower Upper
43 100
58 27.6 20.9 31.3





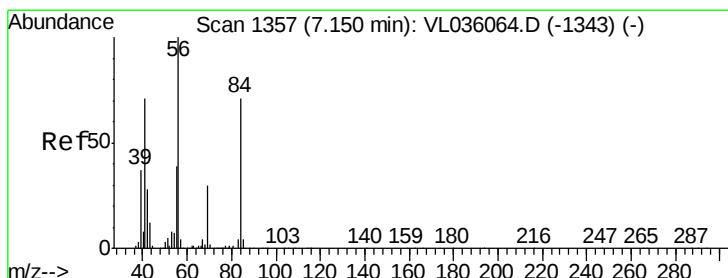
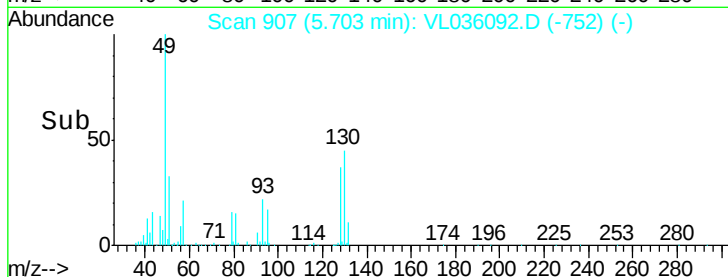
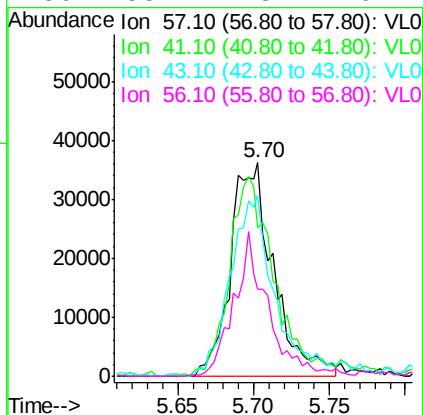
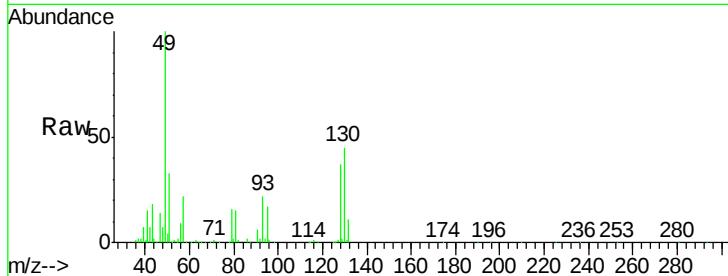
#26
Hexane
Concen: 0.521 ppbv m
RT: 5.70 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL036092.D
Acq: 8 Dec 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
IA-4BDL

Tot Ion:	57	Resp:	71247
Ion	Ratio	Lower	Upper
57	100		
41	103.8	82.9	124.3
43	92.1	199.9	299.9#
56	53.2	43.1	64.7

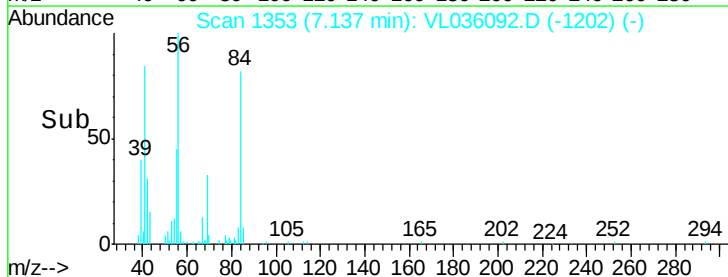
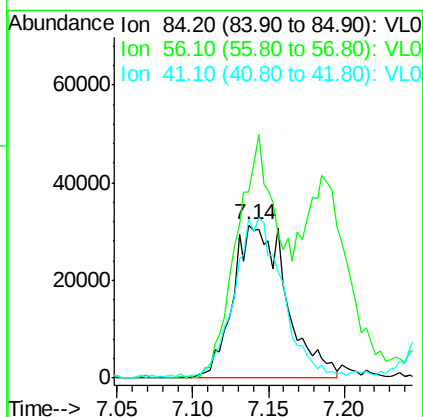
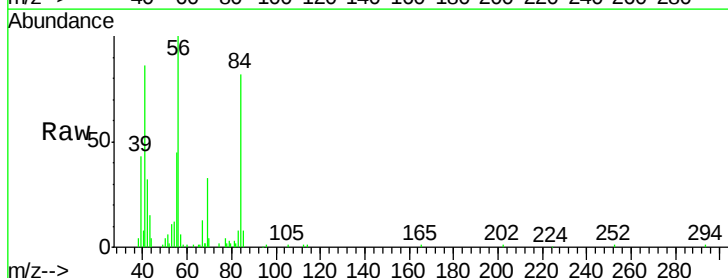
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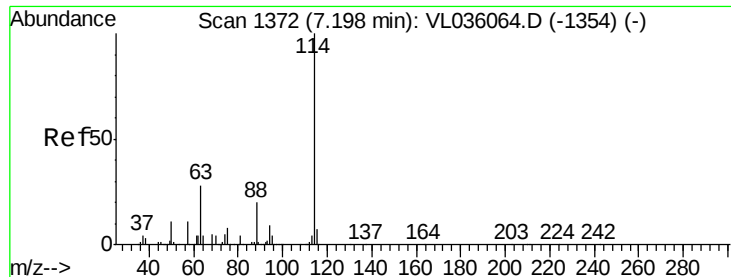
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#30
Cyclohexane
Concen: 0.762 ppbv m
RT: 7.14 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL036092.D
Acq: 8 Dec 2020 9:00

Tgt Ion:	84	Resp:	76503
Ion	Ratio	Lower	Upper
84	100		
56	142.1	128.0	192.0
41	95.2	81.3	121.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VL036092.D

Acq: 8 Dec 2020 9:00

Instrument :

MSVOA_L

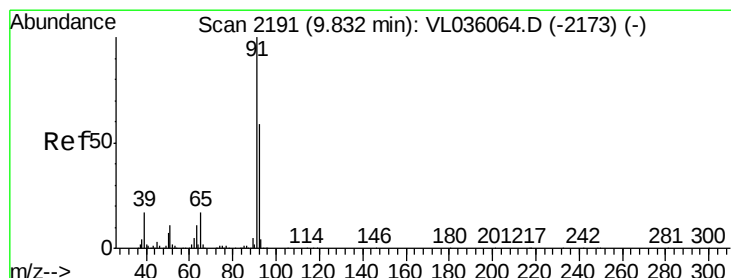
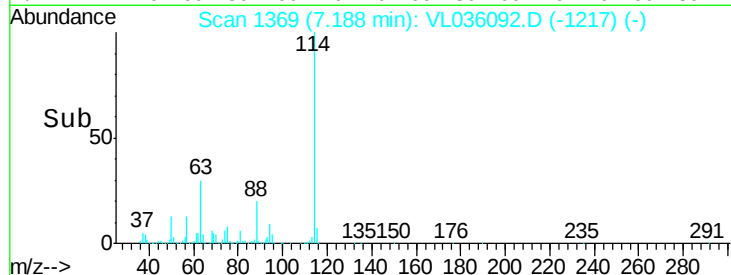
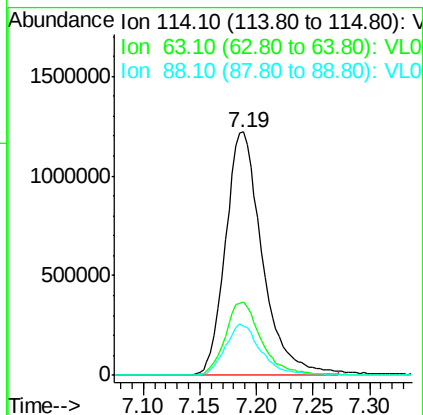
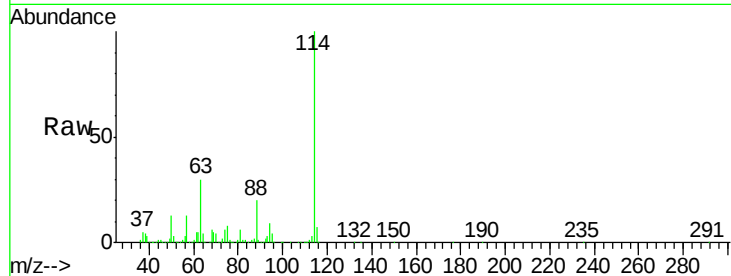
ClientSampleId :

IA-4BDL

Tot Ion:	114	Resp:	2768101
Ion	Ratio	Lower	Upper
114	100		
63	30.2	23.6	35.4
88	20.8	15.8	23.6

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#53

Toluene

Concen: 0.441 ppbv

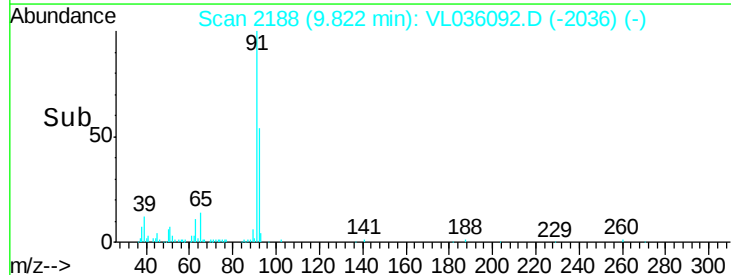
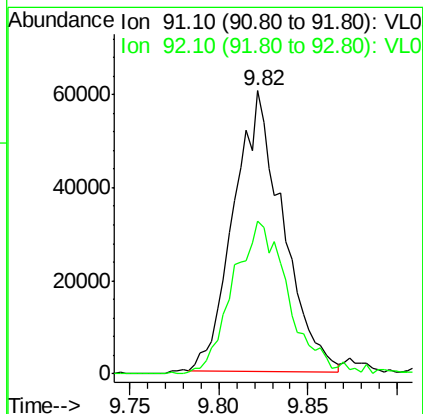
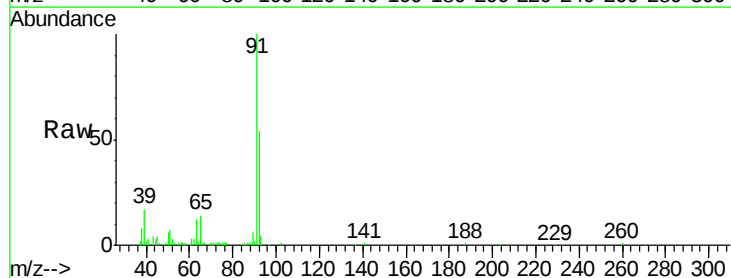
RT: 9.82 min Scan# 2188

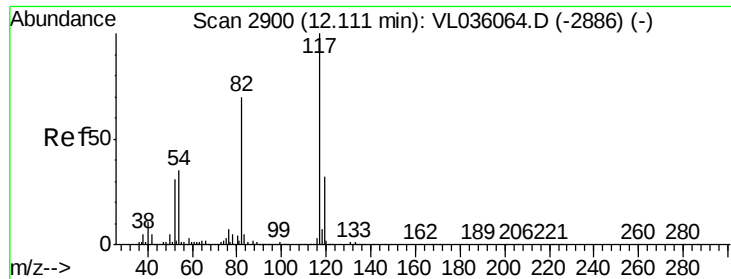
Delta R.T. -0.01 min

Lab File: VL036092.D

Acq: 8 Dec 2020 9:00

Tgt Ion:	91	Resp:	116154
Ion	Ratio	Lower	Upper
91	100		
92	62.4	48.2	72.2





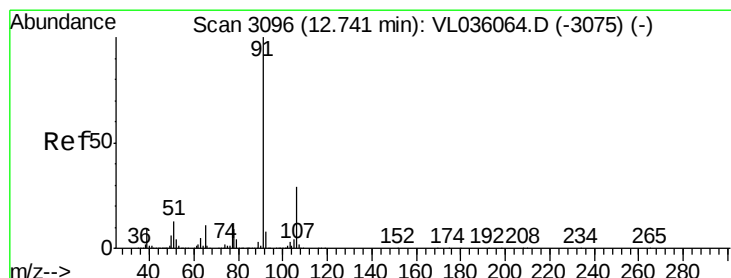
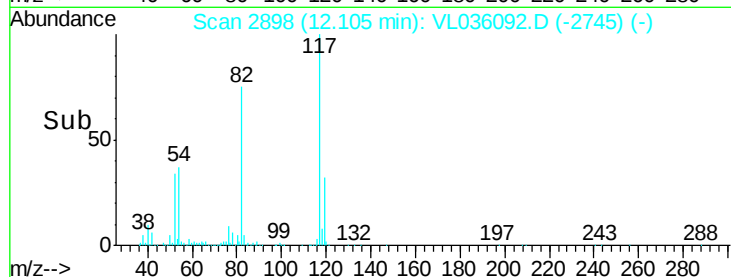
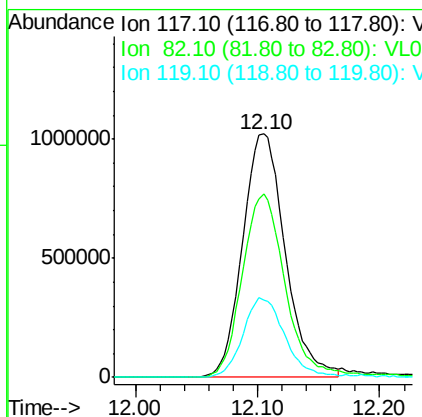
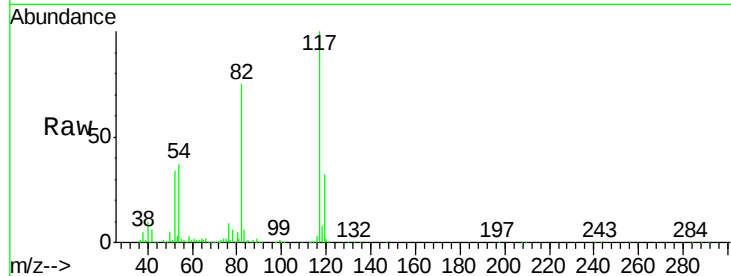
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL036092.D
Acq: 8 Dec 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
IA-4BDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	77.5	0.0	0.0#
119	32.2	0.0	0.0#

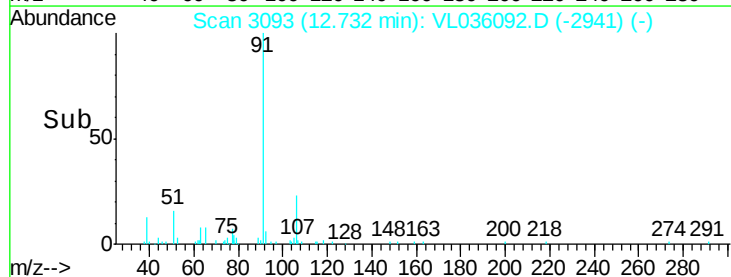
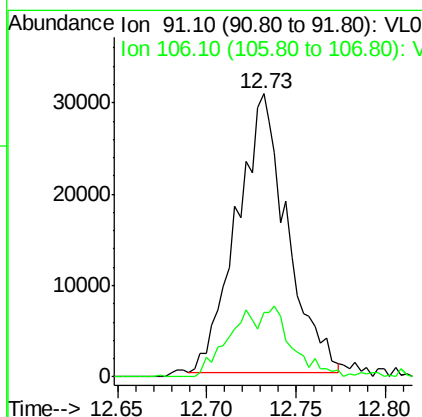
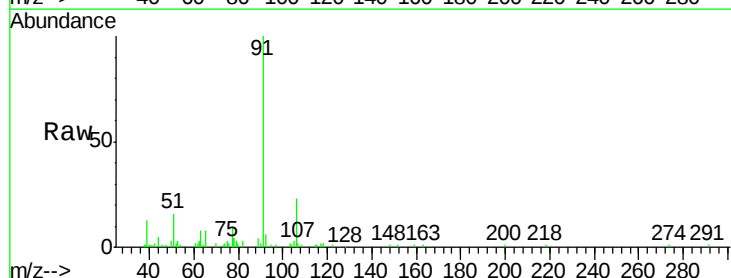
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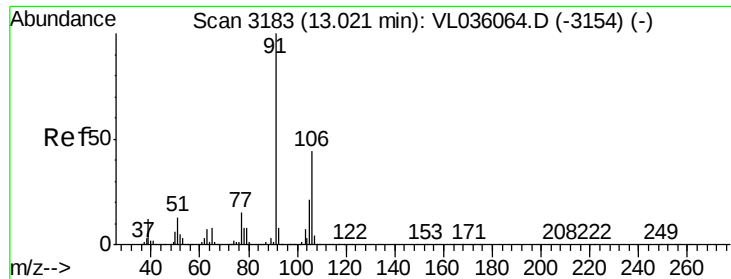
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#58
Ethyl Benzene
Concen: 0.177 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL036092.D
Acq: 8 Dec 2020 9:00

Tgt Ion	Ratio	Lower	Upper
91	100		
106	23.2	23.0	34.4





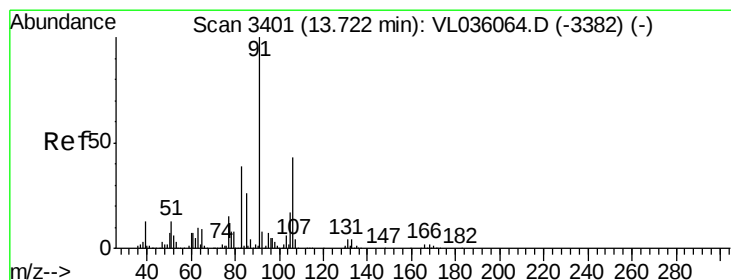
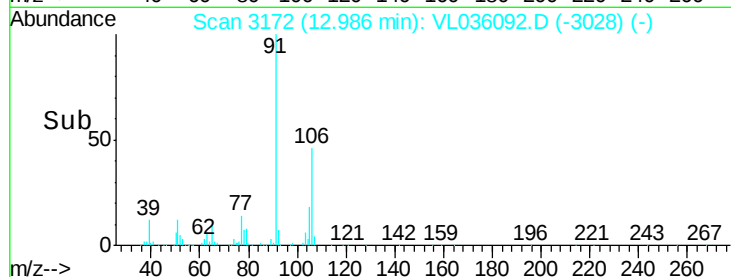
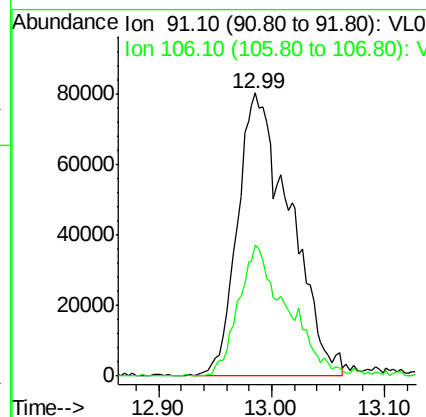
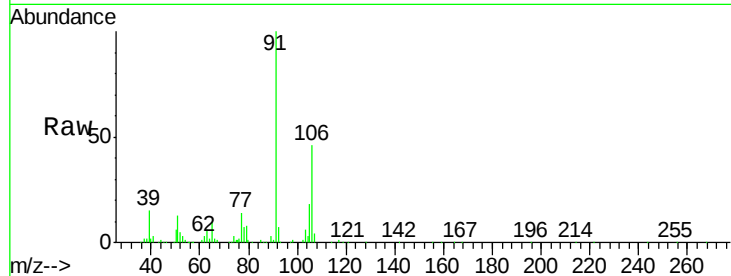
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m/p-Xylene
Concen: 0.912 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.04 min
Lab File: VL036092.D
Acq: 8 Dec 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
IA-4BDL

Tot Ion: 91 Resp: 259965
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#

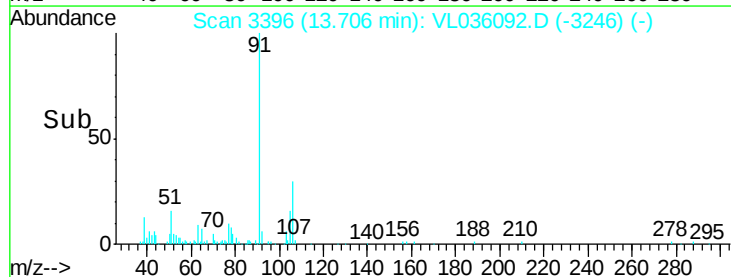
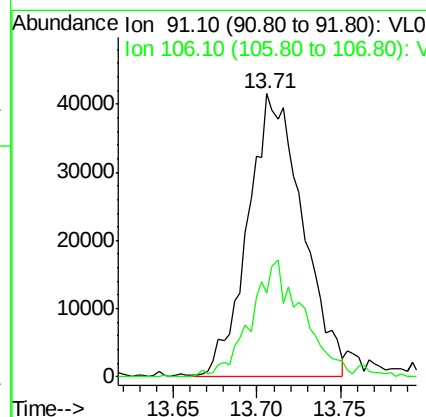
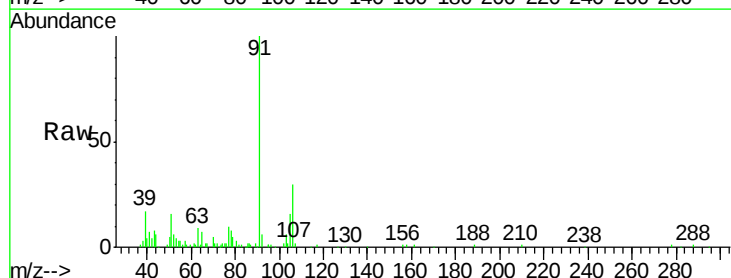
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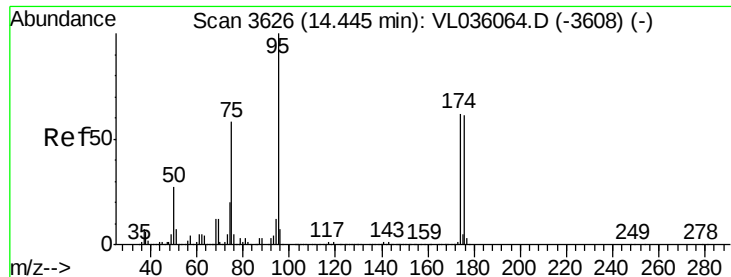
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#60
o-Xylene
Concen: 0.352 ppbv m
RT: 13.71 min Scan# 3396
Delta R.T. -0.02 min
Lab File: VL036092.D
Acq: 8 Dec 2020 9:00

Tgt Ion: 91 Resp: 94627
Ion Ratio Lower Upper
91 100
106 39.9 21.6 64.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.598 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. -0.01 min
 Lab File: VL036092.D
 Acq: 8 Dec 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4BDL

Tot Ion: 95 Resp: 2078477
 Ion Ratio Lower Upper
 95 100
 174 57.7 50.7 76.1
 175 4.3 4.0 6.0

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