

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111620\
 Data File : VL035954.D
 Acq On : 16 Nov 2020 21:52
 Operator : SY/AP
 Sample : L4722-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-4DL

Manual Integrations
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 11/18/2020 9:07:52 AM

Quant Time: Nov 17 22:14:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1283073	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4381931	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4129289	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3066368	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	115375	0.751	ppbv #	88
9) Propene	3.02	41	20211	0.359	ppbv	85
10) Heptane	8.12	43	27668	0.178	ppbv	94
13) Ethanol	3.60	45	2385051	195.486	ppbv	95
15) Acetone	3.84	43	1978348	14.422	ppbv	98
19) Isopropyl Alcohol	3.97	45	459475	5.451	ppbv #	90
59) m/p-Xylene	12.97	91	69729m	0.164	ppbv	

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

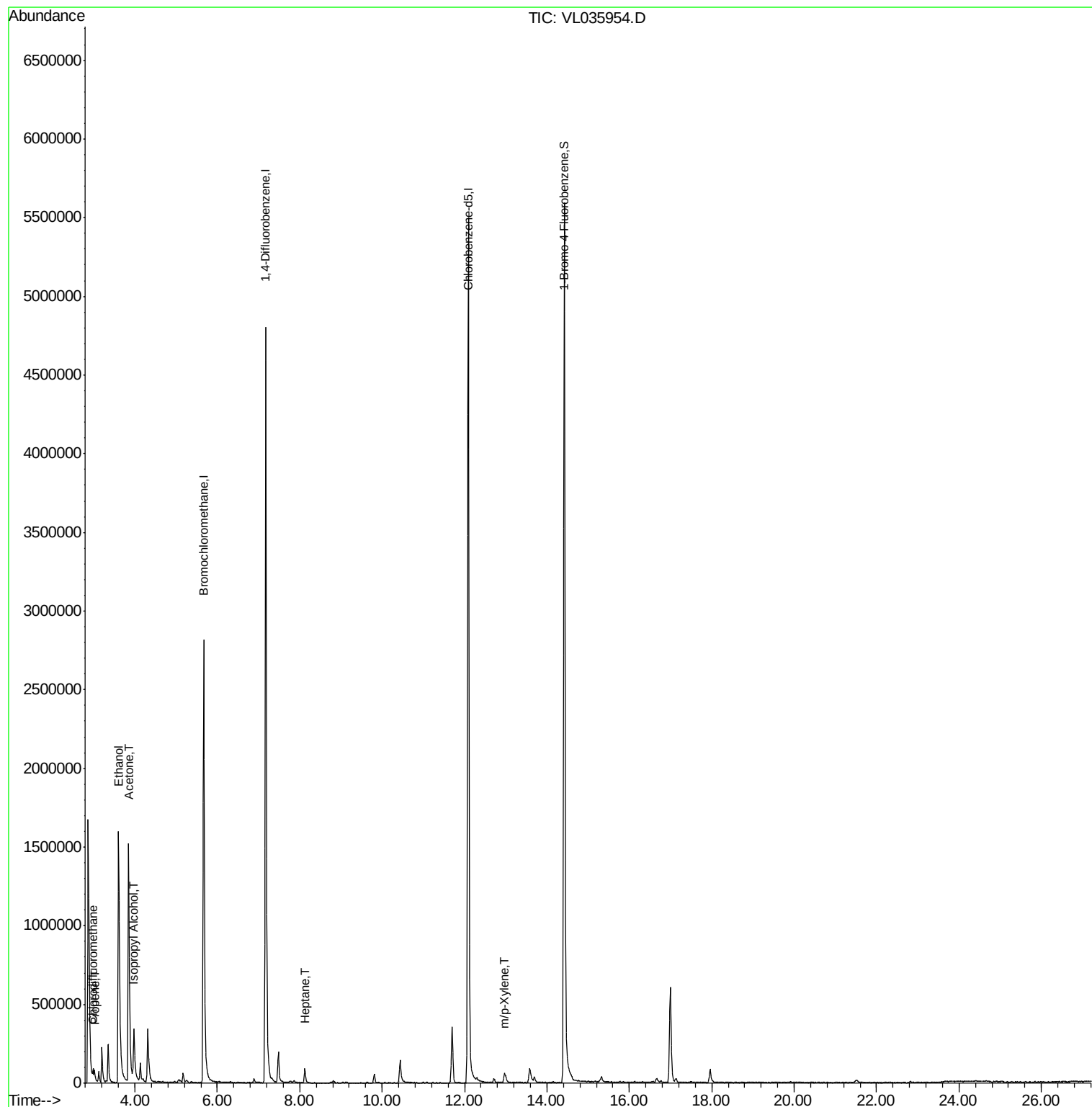
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111620\
Data File : VL035954.D
Acq On : 16 Nov 2020 21:52
Operator : SY/AP
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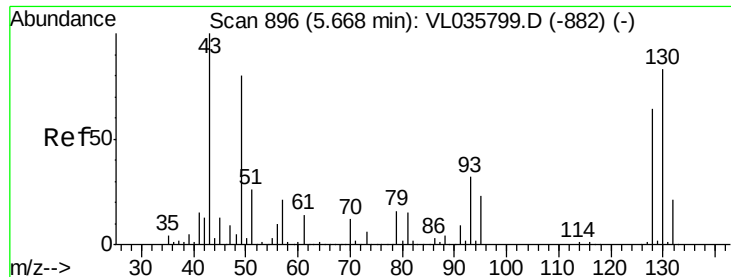
Instrument :
MSVOA_L
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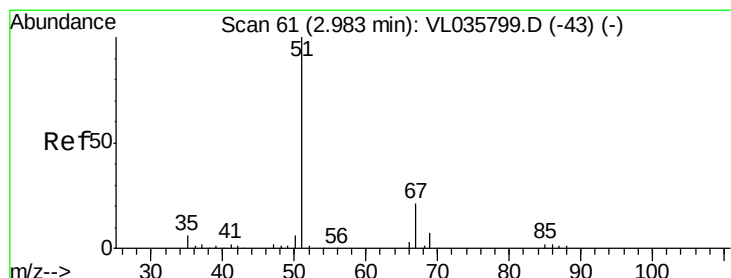
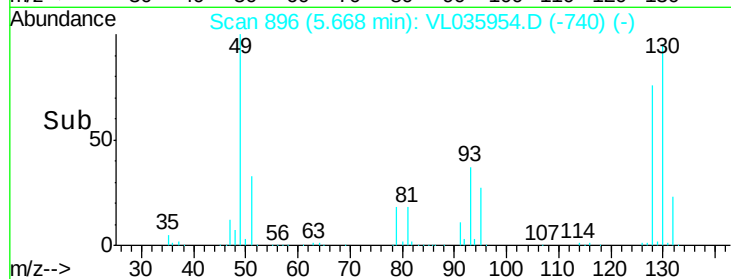
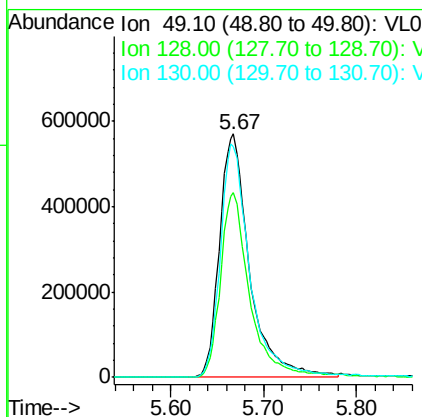
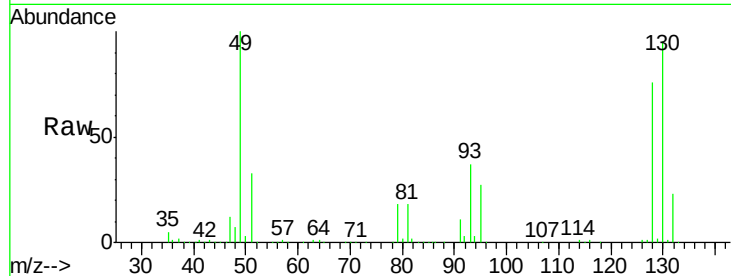
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL035954.D
 Acq: 16 Nov 2020 21:52

Instrument :
 MSVOA_L
 ClientSampled :
 SR-4DL

Tot Ion: 49 Resp: 1283073
 Ion Ratio Lower Upper
 49 100
 128 74.4 41.5 124.6
 130 95.8 53.7 161.1

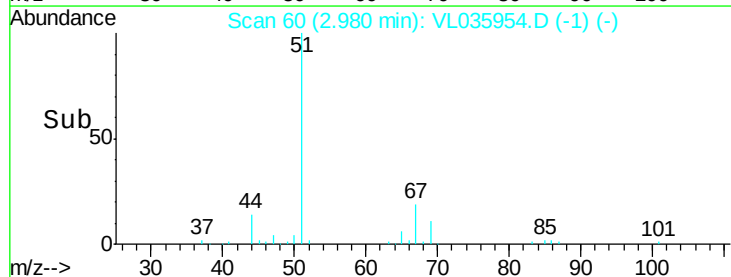
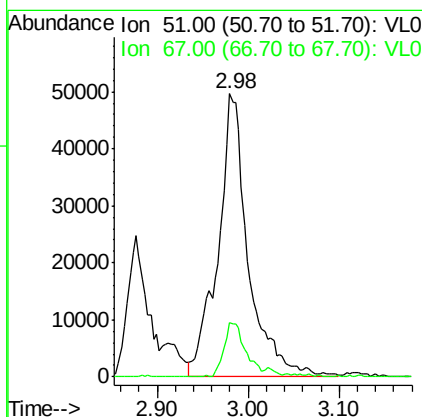
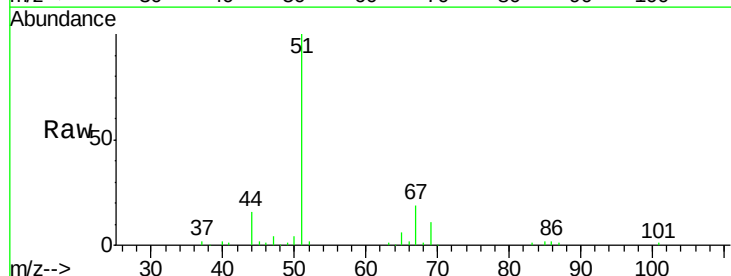
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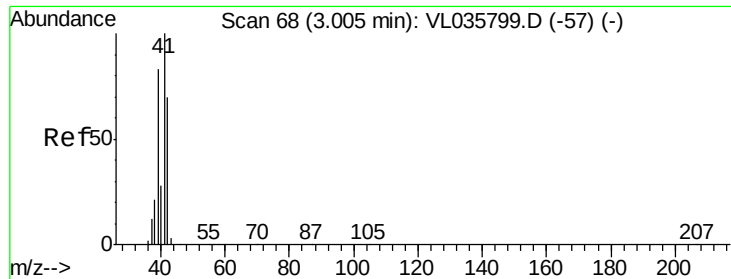
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#3
 Chlorodifluoromethane
 Concen: 0.751 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. -0.00 min
 Lab File: VL035954.D
 Acq: 16 Nov 2020 21:52

Tgt Ion: 51 Resp: 115375
 Ion Ratio Lower Upper
 51 100
 67 15.6 17.0 25.4#





#9

Propene

Concen: 0.359 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035954.D

Acq: 16 Nov 2020 21:52

Instrument :

MSVOA_L

ClientSampleId :

SR-4DL

Tot Ion: 41 Resp: 20211

Ion Ratio Lower Upper

41 100

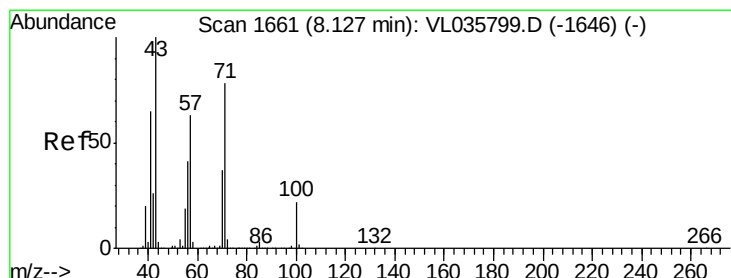
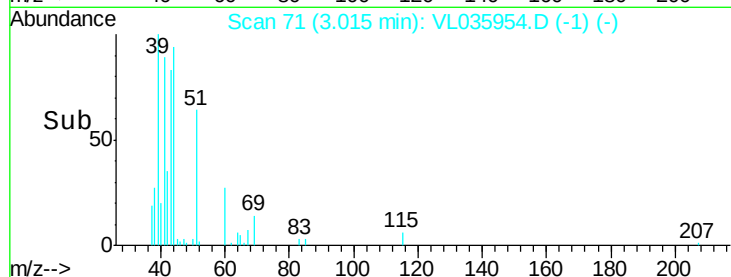
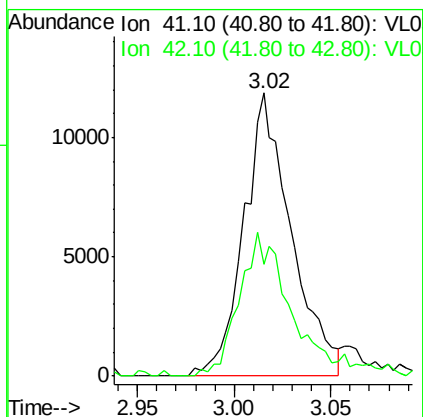
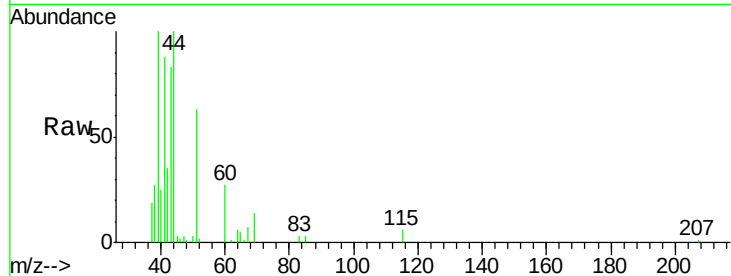
42 57.7 56.2 84.4

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#10

Heptane

Concen: 0.178 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL035954.D

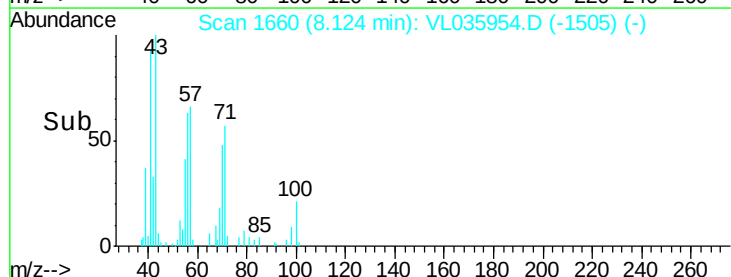
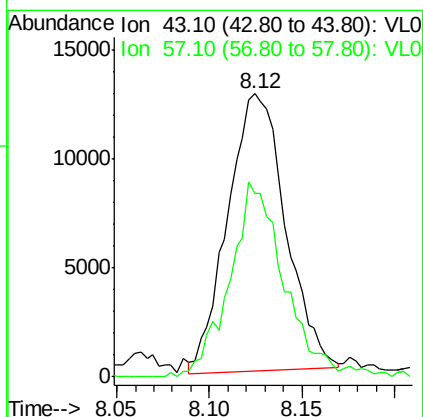
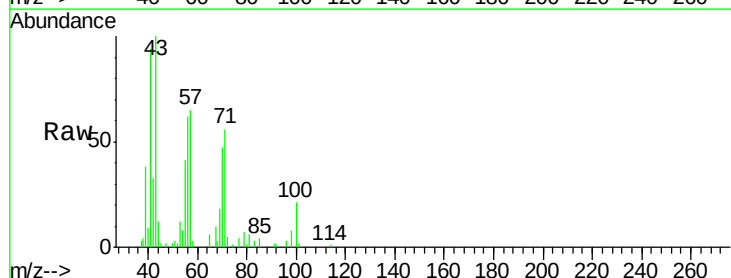
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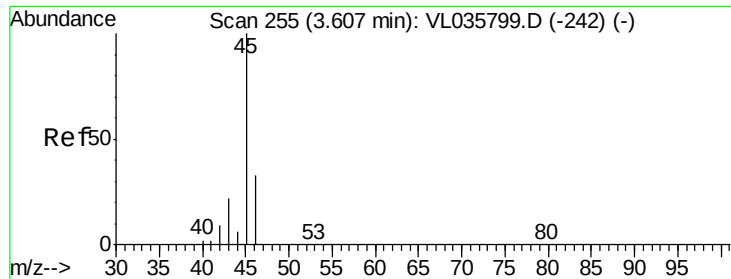
Tgt Ion: 43 Resp: 27668

Ion Ratio Lower Upper

43 100

57 66.8 50.0 75.0





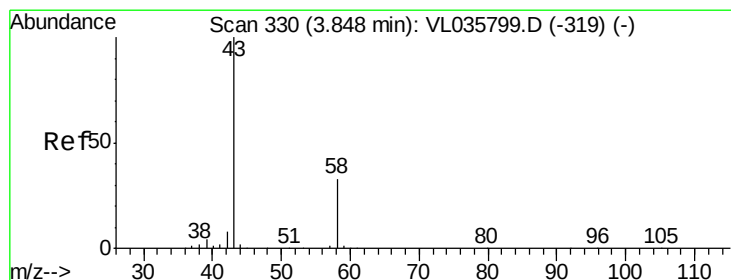
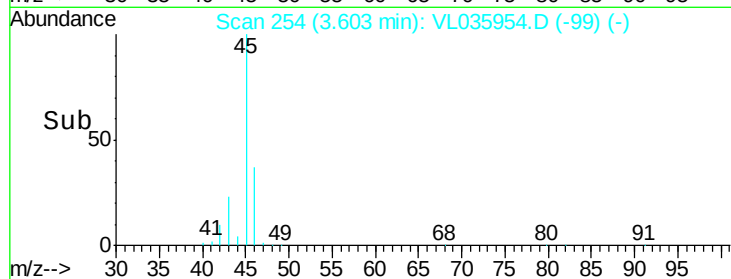
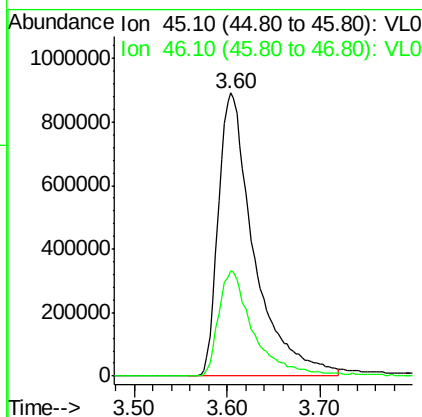
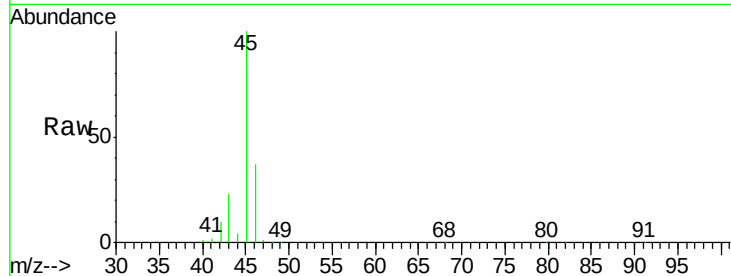
#13
Ethanol
Concen: 195.486 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL035954.D
Acq: 16 Nov 2020 21:52

Instrument :
MSVOA_L
ClientSampleId :
SR-4DL

Tot Ion: 45 Resp: 2385051
Ion Ratio Lower Upper
45 100
46 37.2 16.1 64.5

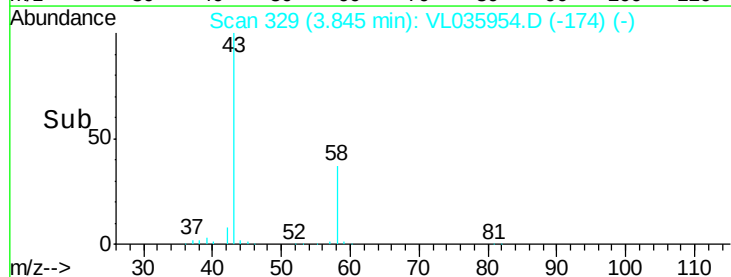
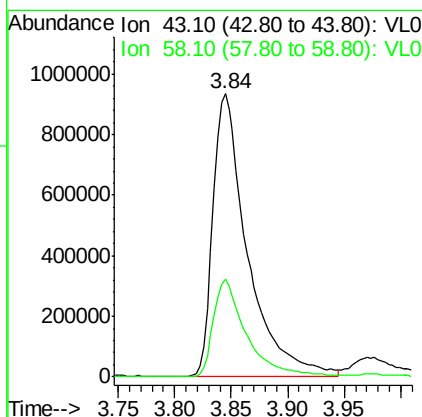
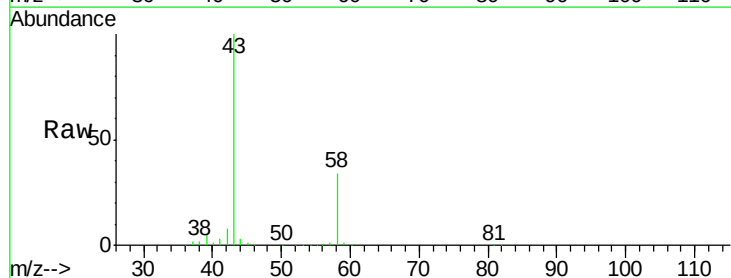
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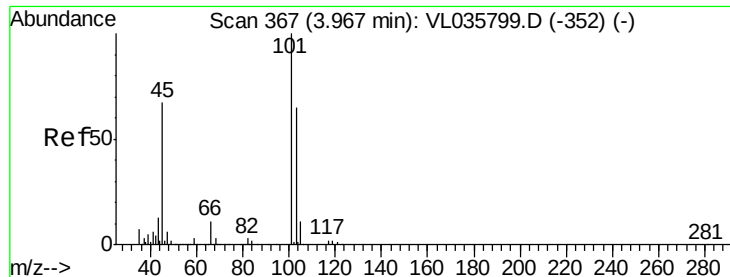
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#15
Acetone
Concen: 14.422 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL035954.D
Acq: 16 Nov 2020 21:52

Tgt Ion: 43 Resp: 1978348
Ion Ratio Lower Upper
43 100
58 33.3 27.5 41.3





#19

Isopropyl Alcohol

Concen: 5.451 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.01 min

Lab File: VL035954.D

Acq: 16 Nov 2020 21:52

Instrument :

MSVOA_L

ClientSampleId :

SR-4DL

Tot Ion: 45 Resp: 459475

Ion Ratio Lower Upper

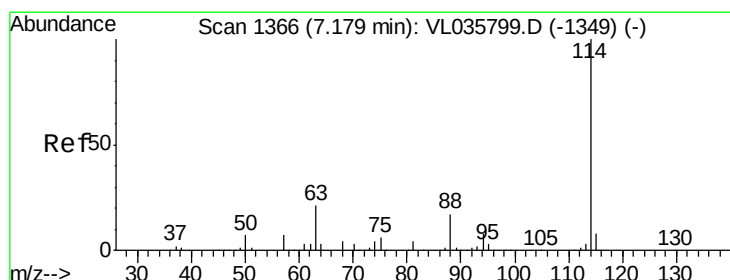
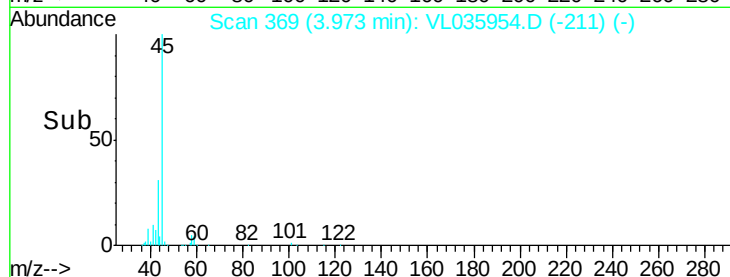
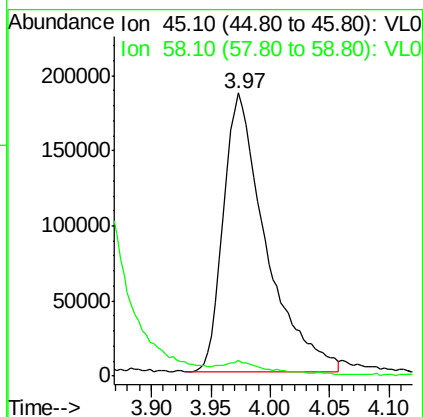
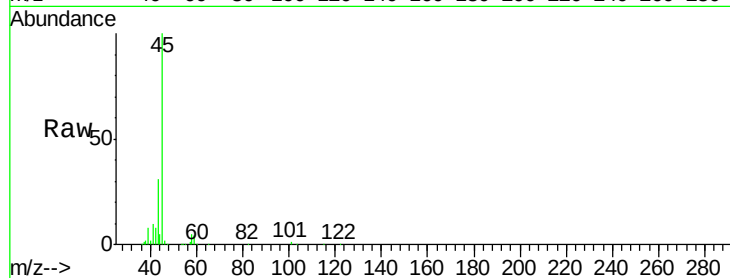
45 100

58 6.4 2.6 3.8#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL035954.D

Acq: 16 Nov 2020 21:52

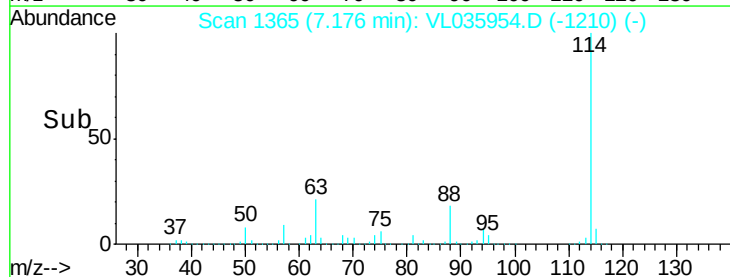
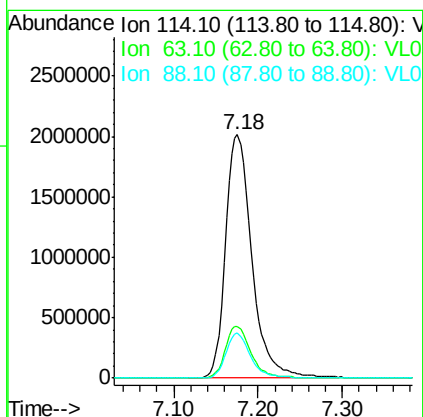
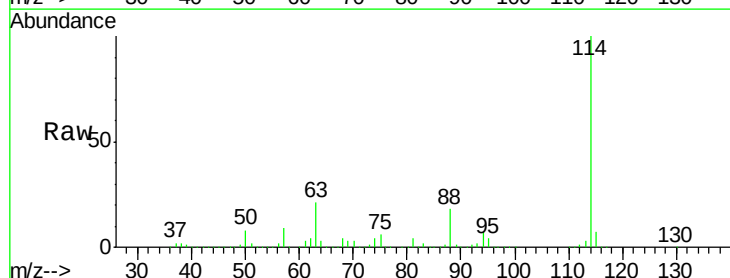
Tgt Ion: 114 Resp: 4381931

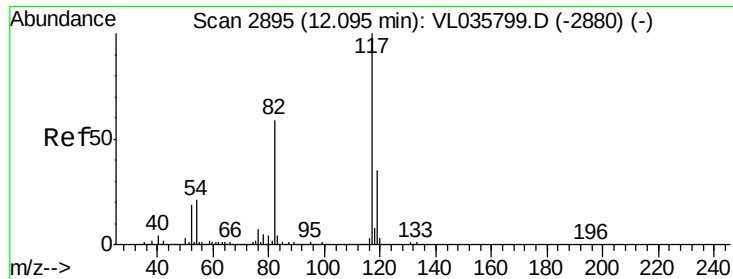
Ion Ratio Lower Upper

114 100

63 20.9 16.1 24.1

88 17.4 13.7 20.5





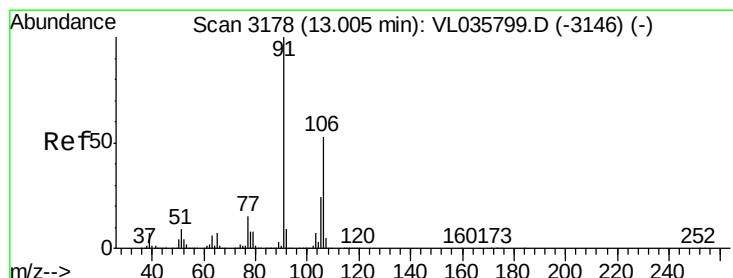
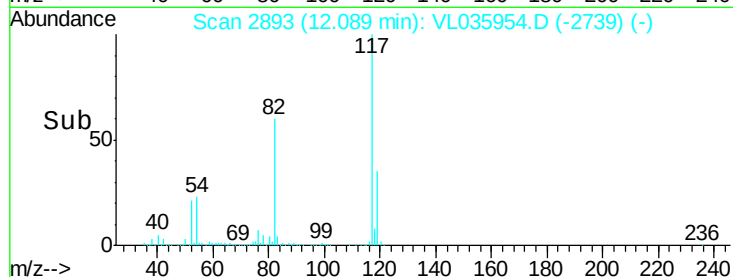
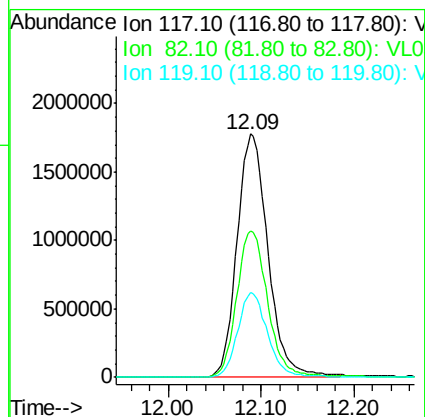
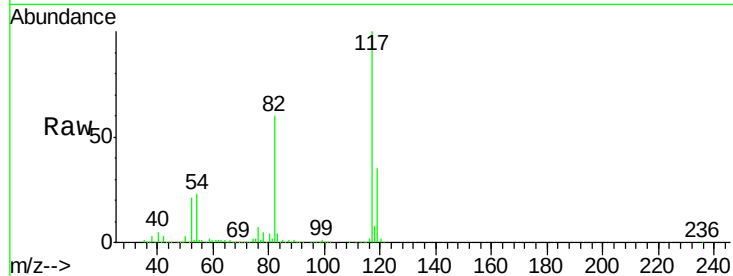
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035954.D
Acq: 16 Nov 2020 21:52

Instrument :
MSVOA_L
ClientSampleId :
SR-4DL

Tot Ion:117 Resp: 4129289
Ion Ratio Lower Upper
117 100
82 61.2 50.6 76.0
119 34.3 52.6 78.8#

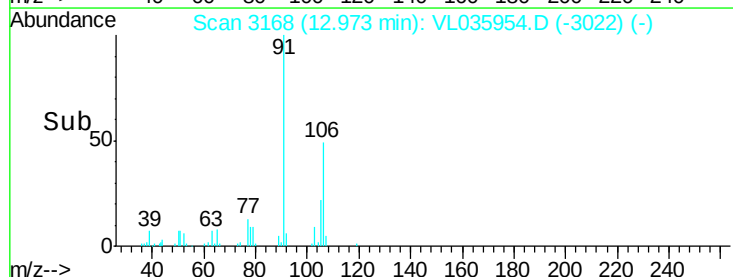
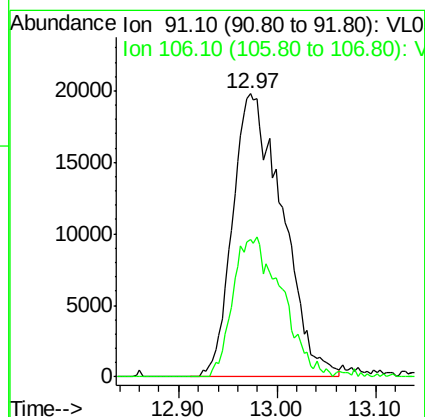
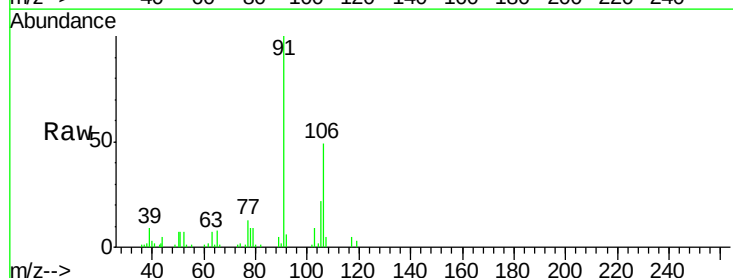
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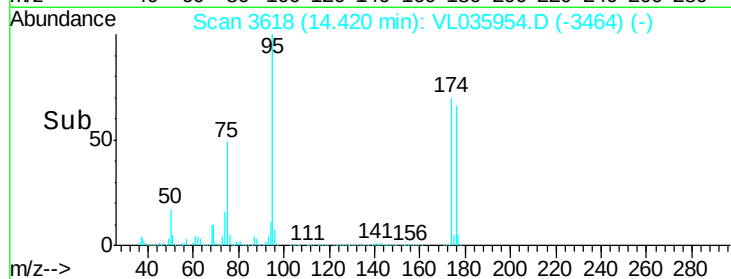
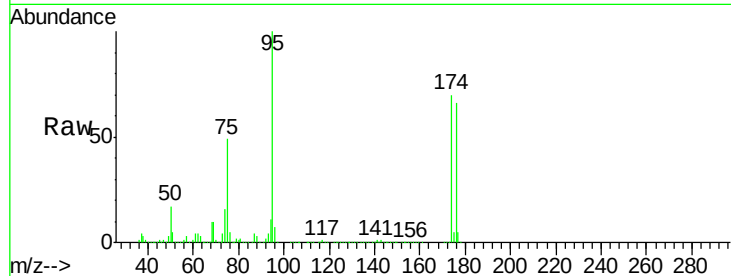
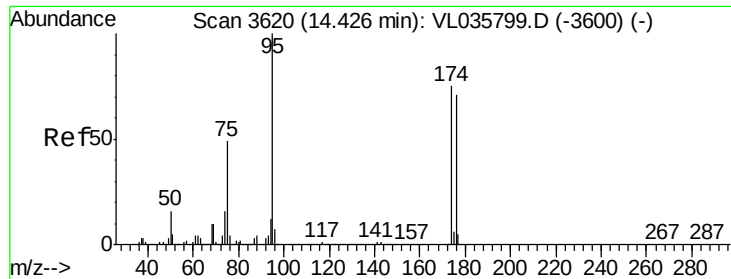
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#59
m/p-Xylene
Concen: 0.164 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.03 min
Lab File: VL035954.D
Acq: 16 Nov 2020 21:52

Tgt Ion: 91 Resp: 69729
Ion Ratio Lower Upper
91 100
106 0.0 39.5 59.3#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.452 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL035954.D

Acq: 16 Nov 2020 21:52

Tot Ion: 95 Resp: 3066368

Ion Ratio Lower Upper

95 100

174 72.1 59.8 89.6

175 5.1 4.3 6.5

Instrument :

MSVOA_L

ClientSampleId :

SR-4DL

Manual Integrations

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