

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035640.D
 Acq On : 16 Sep 2020 22:23
 Operator : SY/AP
 Sample : L4036-02DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DB-IA-Y02DL

Manual Integrations
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 9/17/2020 1:52:47 PM

Quant Time: Sep 17 08:00:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1222776	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4758812	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4701054	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3438468	10.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	20279	0.096	ppbv #	88
4) Chloromethane	3.13	50	8288	0.114	ppbv	90
9) Propene	3.02	41	7091	0.136	ppbv	85
13) Ethanol	3.61	45	52205m	4.039	ppbv	
15) Acetone	3.85	43	114377	0.848	ppbv	95
19) Isopropyl Alcohol	3.98	45	37548m	0.467	ppbv	
20) Methylene Chloride	4.34	84	126805	1.262	ppbv	94
26) Hexane	5.68	57	83415	0.618	ppbv #	49

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

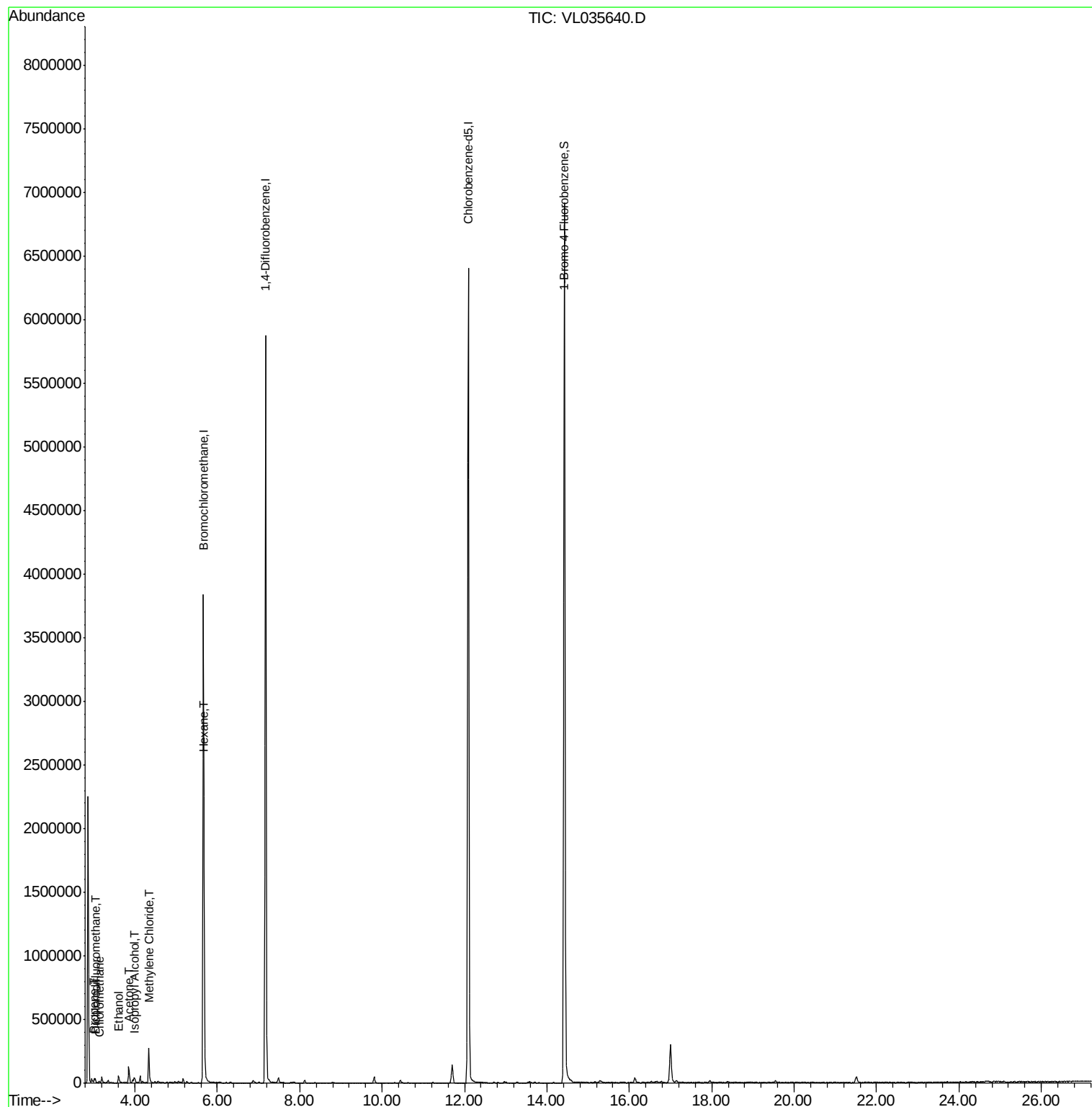
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091620\
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Quant Time: Sep 17 08:00:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL035640.D

Acq: 16 Sep 2020 22:23

Instrument :

MSVOA_L

ClientSampleId :

DB-IA-Y02DL

Tot Ion: 49 Resp: 1222776

Ion Ratio Lower Upper

49 100

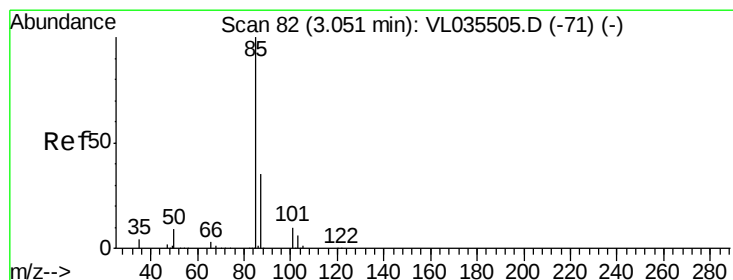
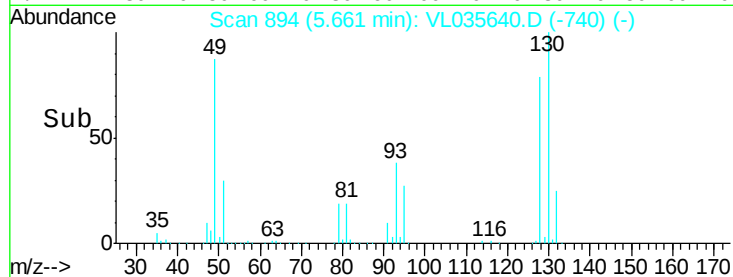
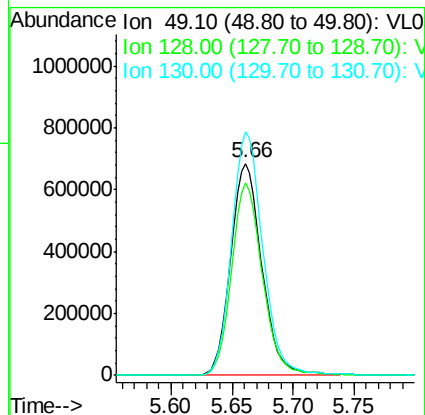
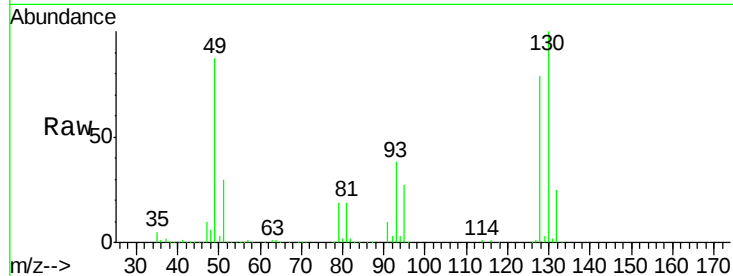
128 90.5 50.0 150.1

130 115.3 64.4 193.2

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#2

Dichlorodifluoromethane

Concen: 0.096 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.00 min

Lab File: VL035640.D

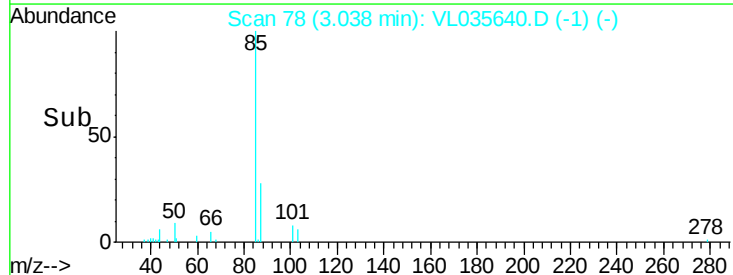
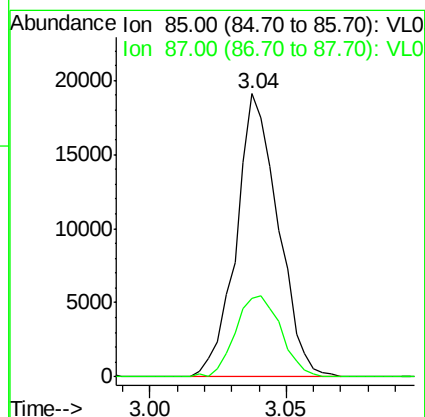
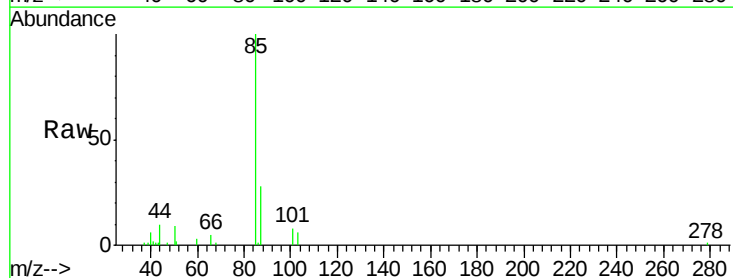
Acq: 16 Sep 2020 22:23

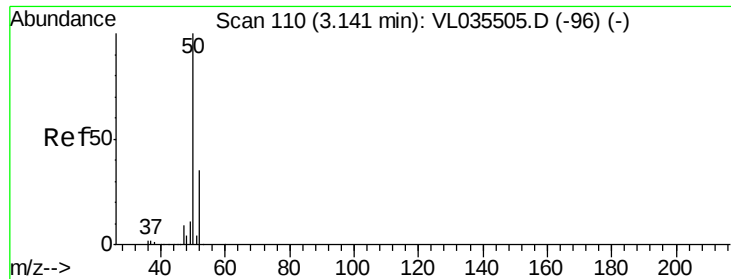
Tgt Ion: 85 Resp: 20279

Ion Ratio Lower Upper

85 100

87 27.8 28.0 42.0#





#4

Chloromethane

Concen: 0.114 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL035640.D

Acq: 16 Sep 2020 22:23

Instrument :

MSVOA_L

ClientSampleId :

DB-IA-Y02DL

Tot Ion: 50 Resp: 8288

Ion Ratio Lower Upper

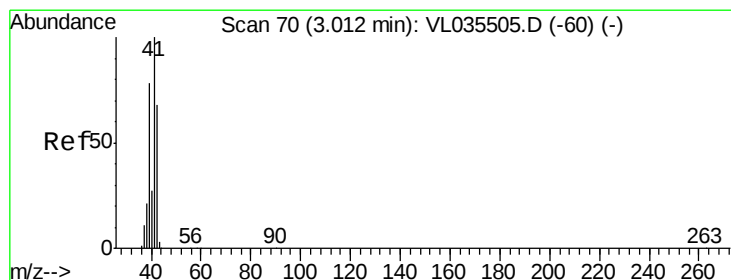
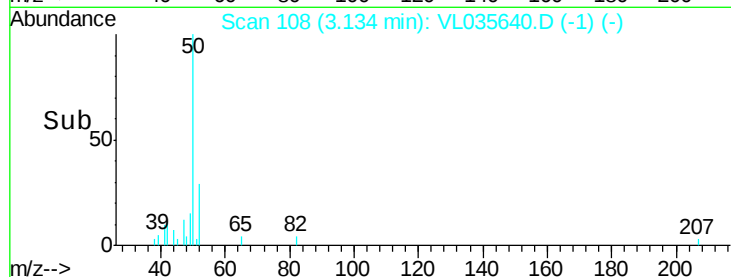
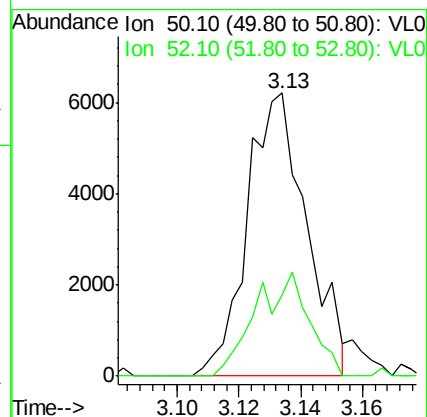
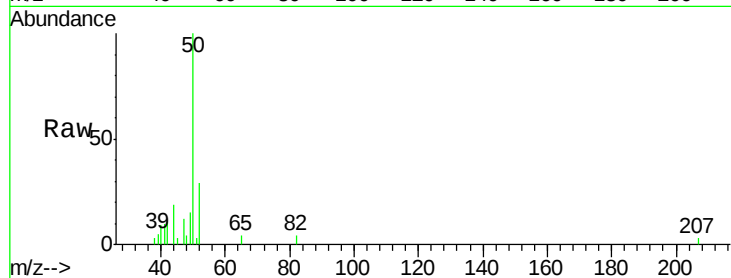
50 100

52 28.9 27.7 41.5

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#9

Propene

Concen: 0.136 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL035640.D

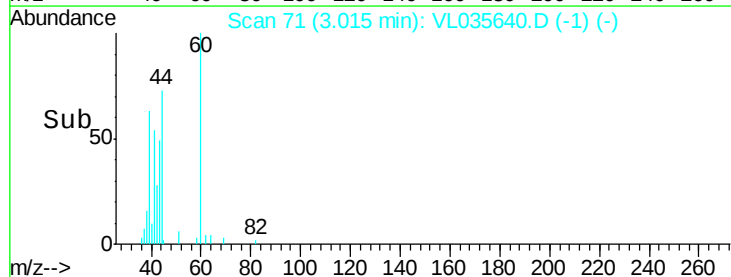
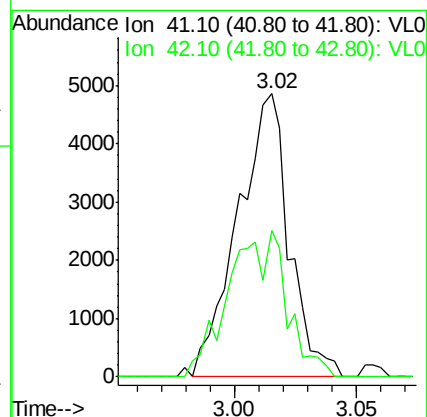
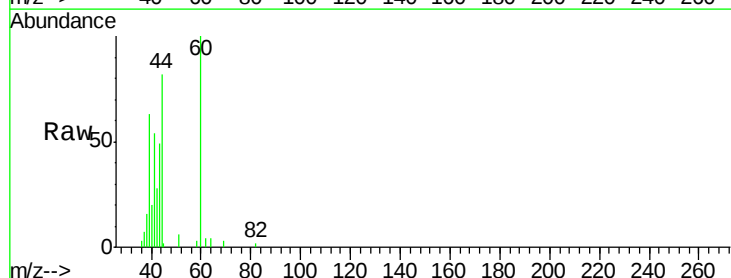
Acq: 16 Sep 2020 22:23

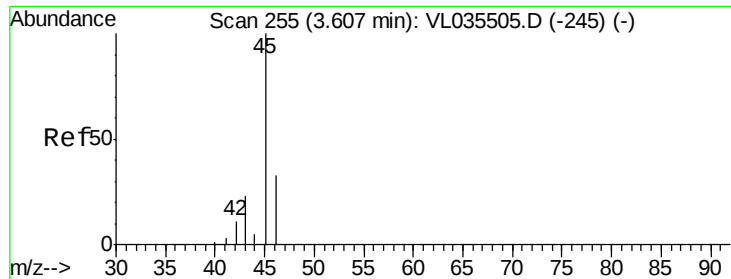
Tgt Ion: 41 Resp: 7091

Ion Ratio Lower Upper

41 100

42 58.3 56.3 84.5





#13

Ethanol

Concen: 4.039 ppbv m

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL035640.D

Acq: 16 Sep 2020 22:23

Instrument :

MSVOA_L

ClientSampleId :

DB-IA-Y02DL

Tot Ion: 45 Resp: 52205

Ion Ratio Lower Upper

45 100

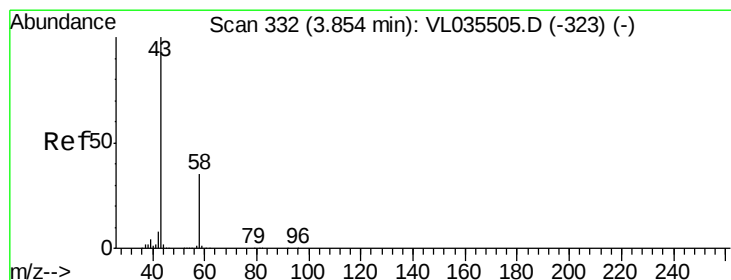
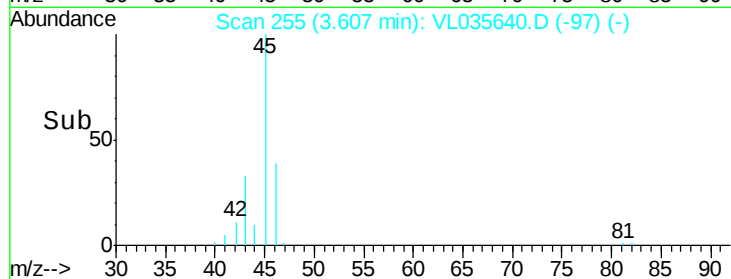
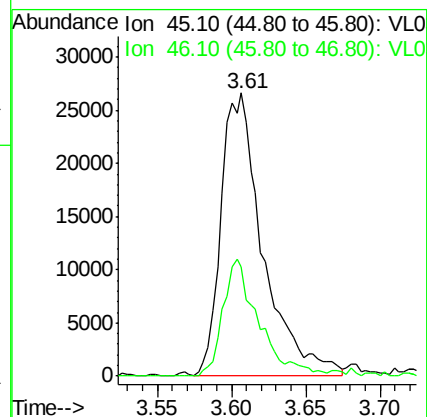
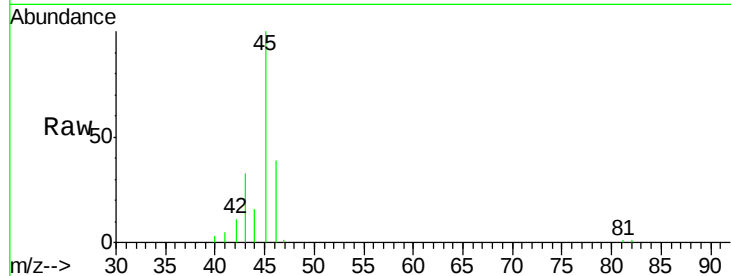
46 0.0 15.2 60.6#

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#15

Acetone

Concen: 0.848 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL035640.D

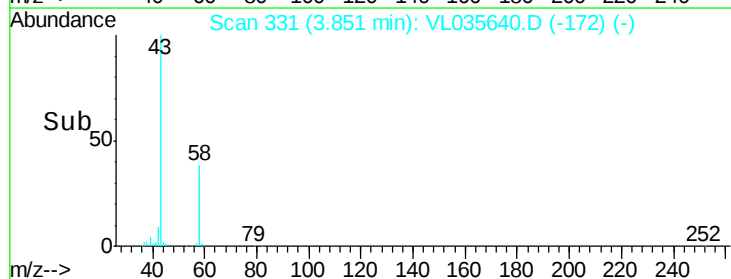
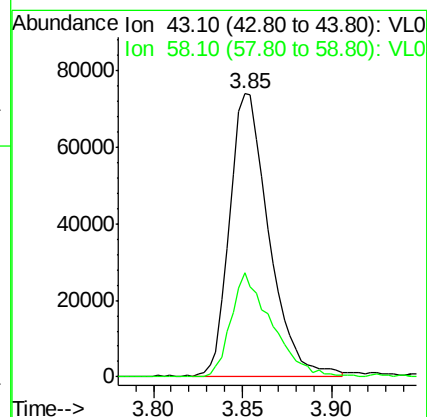
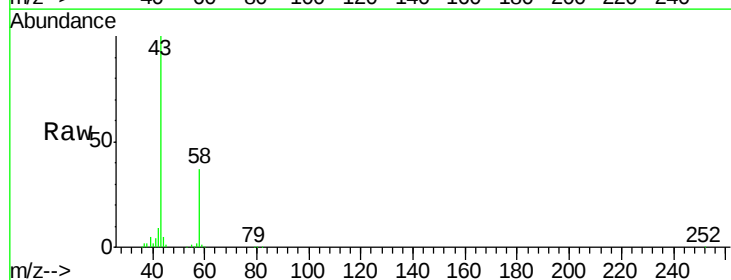
Acq: 16 Sep 2020 22:23

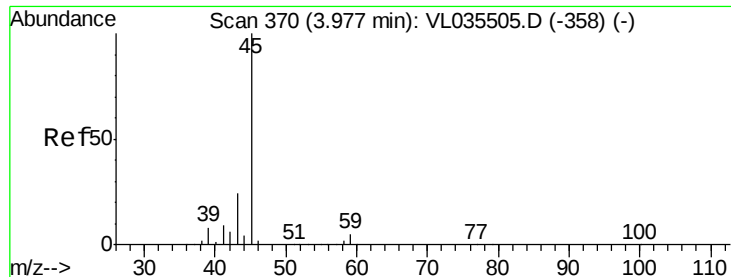
Tgt Ion: 43 Resp: 114377

Ion Ratio Lower Upper

43 100

58 38.3 28.4 42.6





#19

Isopropyl Alcohol

Concen: 0.467 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.02 min

Lab File: VL035640.D

Acq: 16 Sep 2020 22:23

Instrument :

MSVOA_L

ClientSampleId :

DB-IA-Y02DL

Tot Ion: 45 Resp: 37548

Ion Ratio Lower Upper

45 100

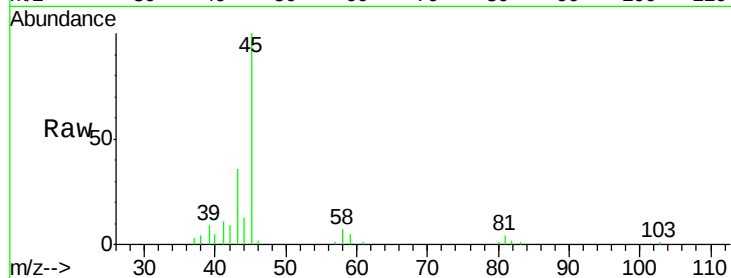
58 6.5 2.0 3.0#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

20000

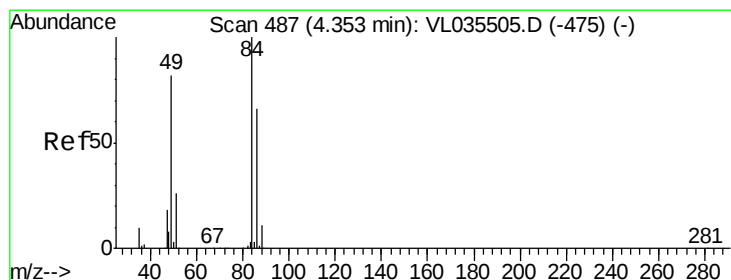
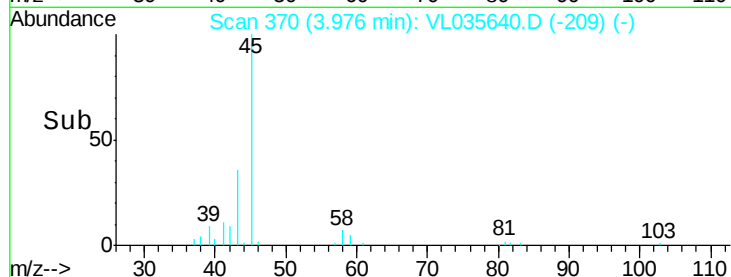
15000

10000

5000

0

Time-->



#20

Methylene Chloride

Concen: 1.262 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL035640.D

Acq: 16 Sep 2020 22:23

Tgt Ion: 84 Resp: 126805

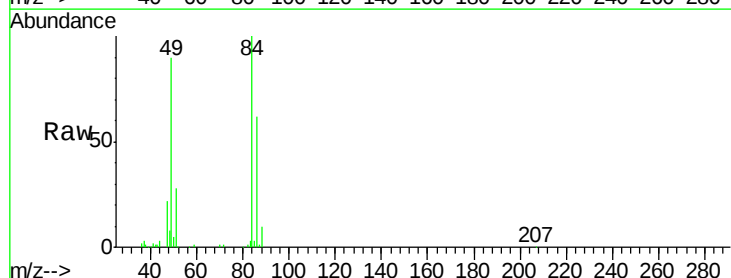
Ion Ratio Lower Upper

84 100

49 89.6 65.4 98.0

51 27.5 21.5 32.3

86 61.6 52.9 79.3



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

120000

100000

80000

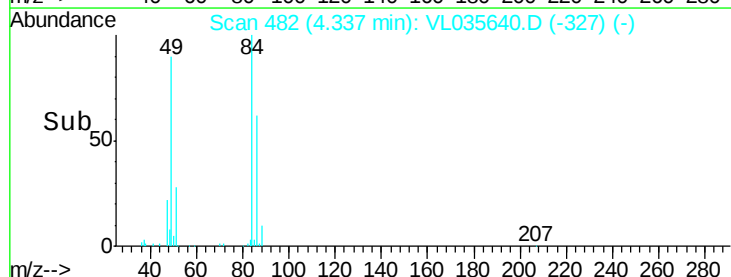
60000

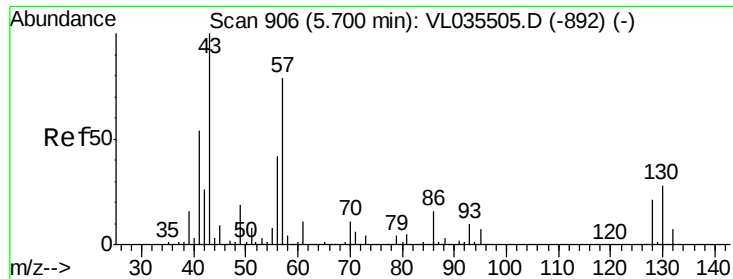
40000

20000

0

Time-->





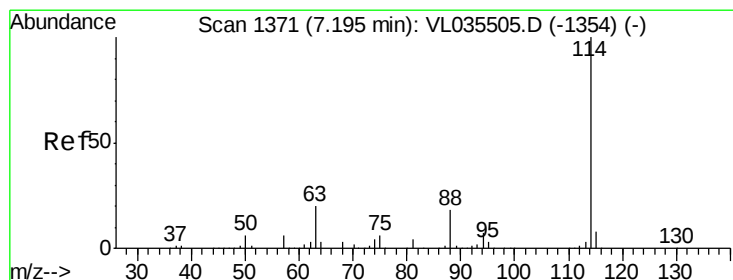
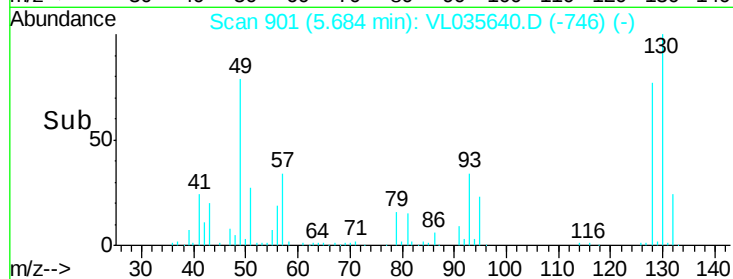
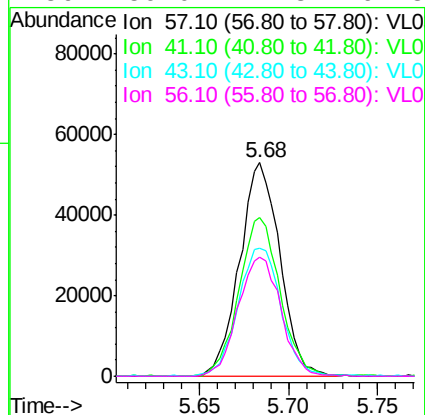
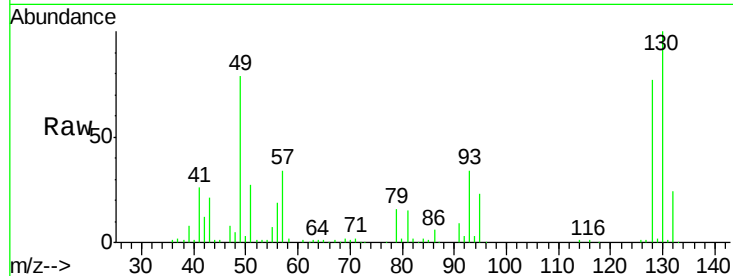
#26
Hexane
Concen: 0.618 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035640.D
Acq: 16 Sep 2020 22:23

Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y02DL

Tot Ion	Ion	Ratio	Lower	Upper
57	100			
41	76.0	55.9	83.9	
43	63.9	141.8	212.8	#
56	59.0	41.8	62.8	

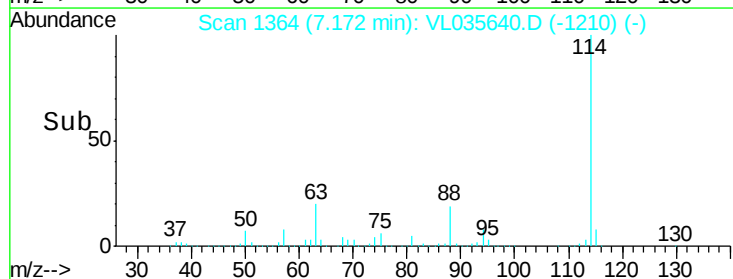
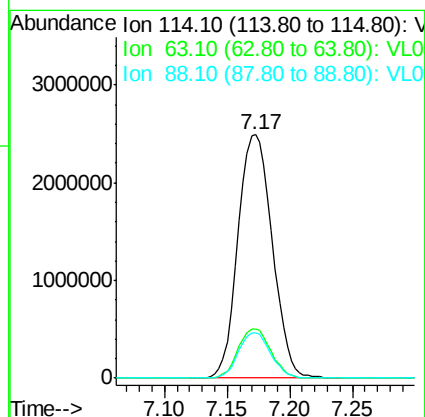
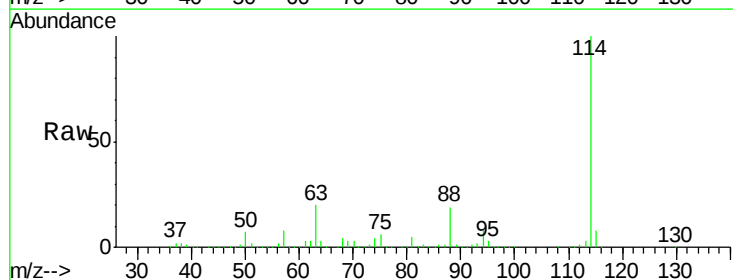
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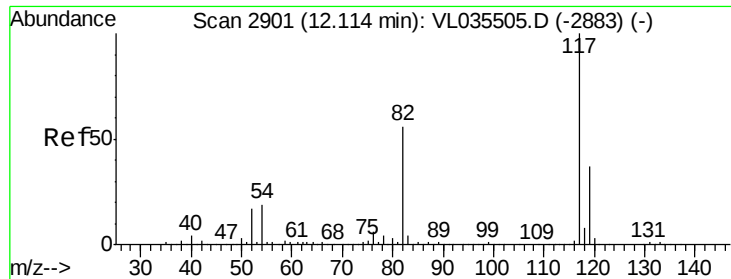
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VL035640.D
Acq: 16 Sep 2020 22:23

Tgt Ion	Ion	Ratio	Lower	Upper
114	100			
63	19.5	14.7	22.1	
88	17.6	13.4	20.2	





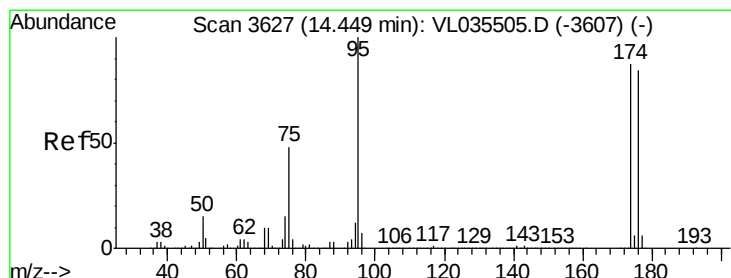
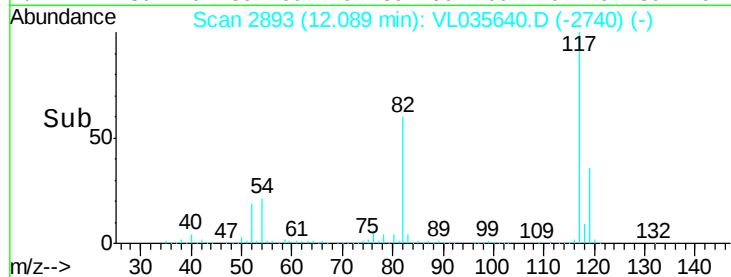
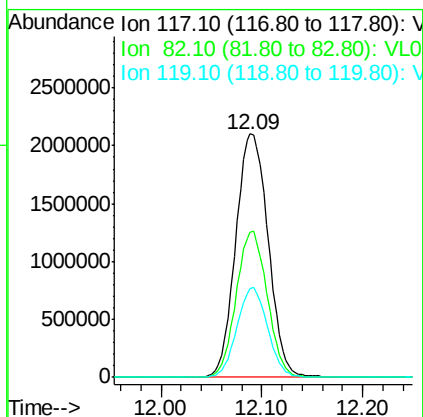
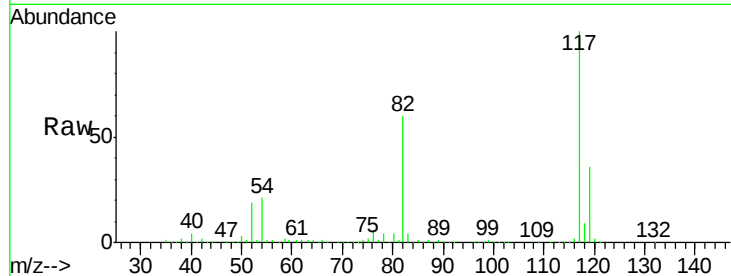
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035640.D
Acq: 16 Sep 2020 22:23

Instrument :
MSVOA_L
ClientSampleId :
DB-IA-Y02DL

Tot Ion:117 Resp: 4701054
Ion Ratio Lower Upper
117 100
82 57.7 41.6 62.4
119 35.0 29.3 43.9

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.300 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL035640.D
Acq: 16 Sep 2020 22:23

Tgt Ion: 95 Resp: 3438468
Ion Ratio Lower Upper
95 100
174 79.5 69.6 104.4
175 5.8 5.1 7.7

