

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036150.D
 Acq On : 11 Dec 2020 5:25
 Operator : SY/AP
 Sample : L5005-02DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 48-2DL2

Manual Integrations
 APPROVED

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 12/15/2020 4:52:00 PM

Quant Time: Dec 11 07:51:17 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	5.65	49	1305053	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2578672	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2313111	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2022265	11.01	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	19852m	0.266	ppbv	
13) Ethanol	3.59	45	160654m	15.624	ppbv	
15) Acetone	3.85	43	83839m	0.535	ppbv	
20) Methylene Chloride	4.33	84	36919	0.574	ppbv	95
25) Ethyl Acetate	5.67	43	37105m	0.118	ppbv	
26) Hexane	5.67	57	25524m	0.181	ppbv	

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

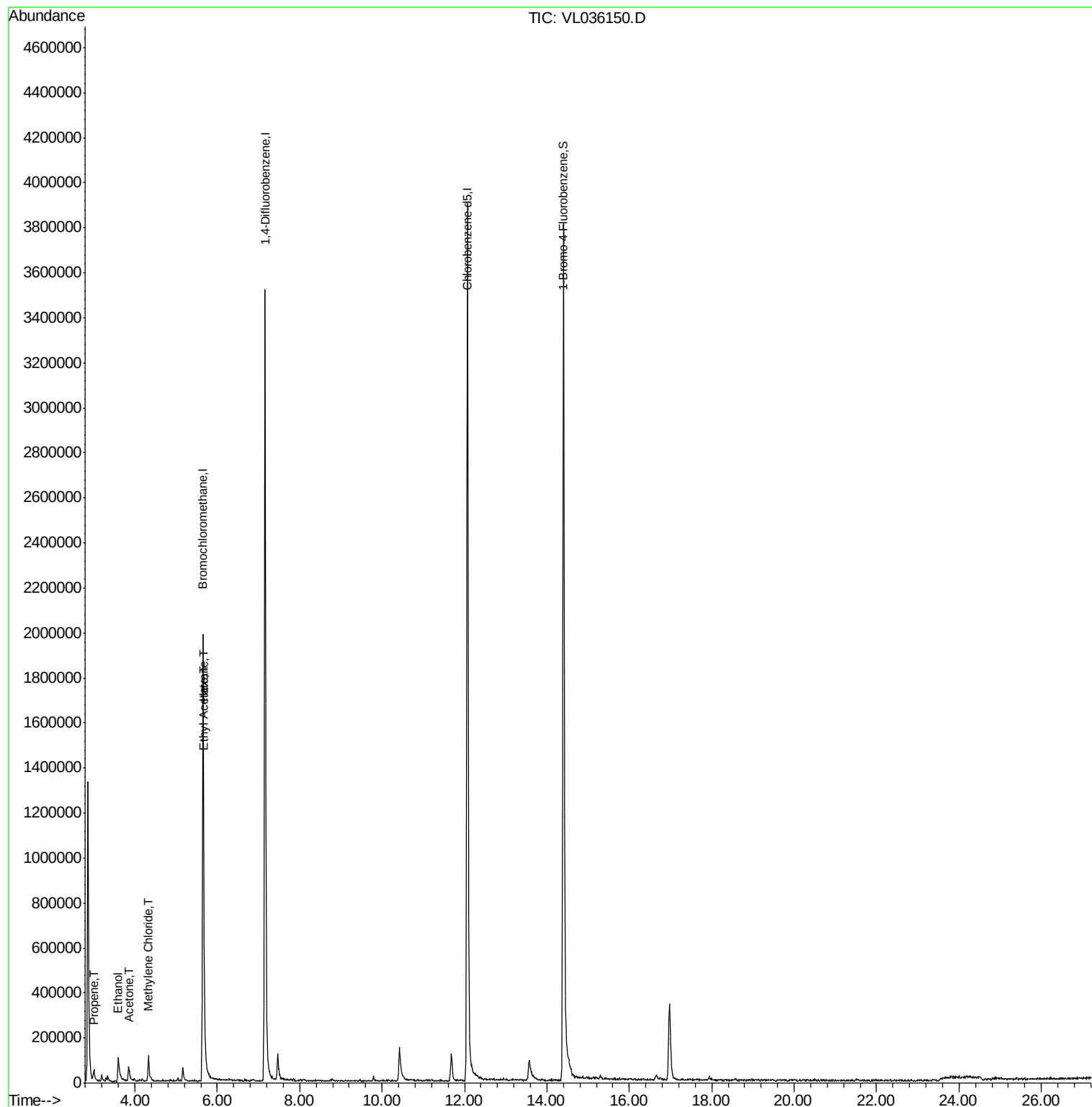
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121020\
Data File : VL036150.D
Acq On : 11 Dec 2020 5:25
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Sample : L5005-02DL2 40X
Misc : 400ml/MSVOA L
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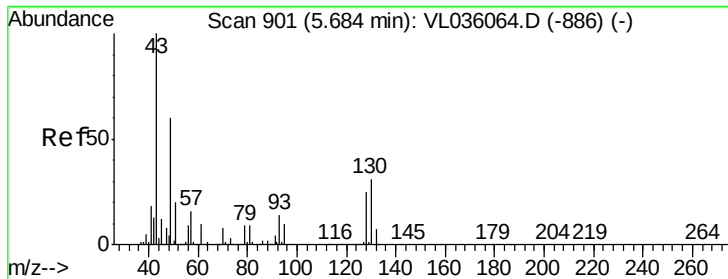
Instrument :
MSVOA_L
ClientSampleId :
48-2DL2

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QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

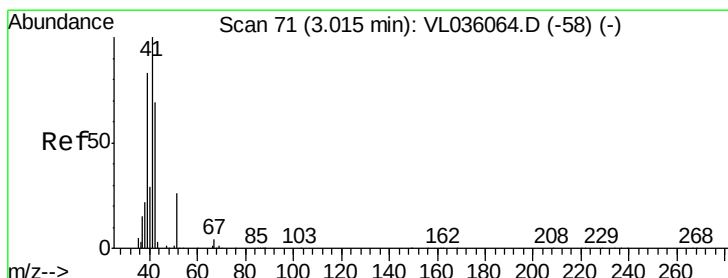
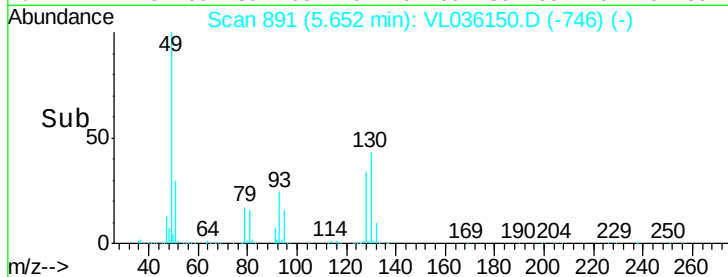
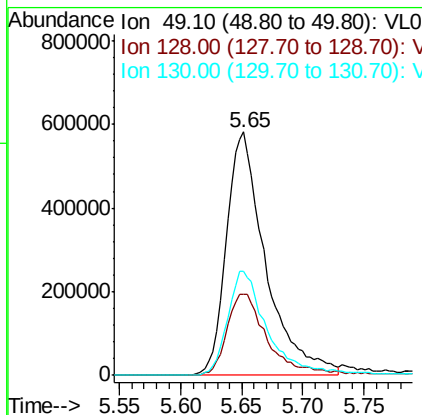
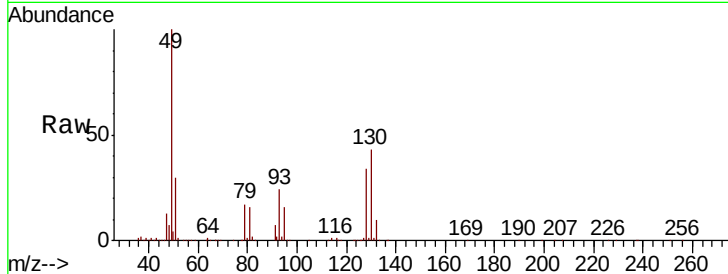
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. -0.03 min
 Lab File: VL036150.D
 Acq: 11 Dec 2020 5:25

Instrument :
 MSVOA_L
 ClientSampleId :
 48-2DL2

Tot Ion	Ratio	Lower	Upper
49	100		
128	35.6	21.1	63.1
130	44.4	27.1	81.3

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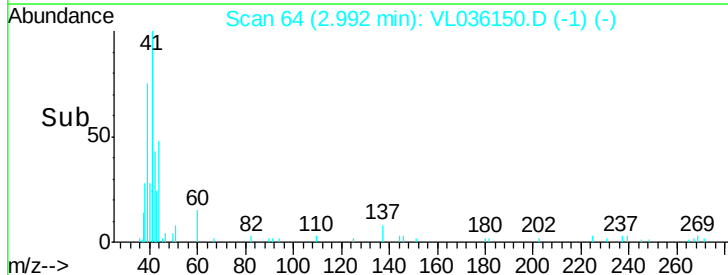
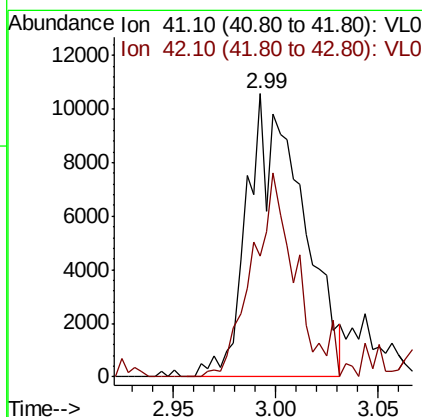
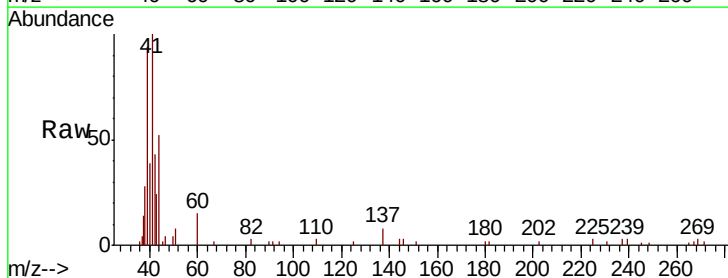
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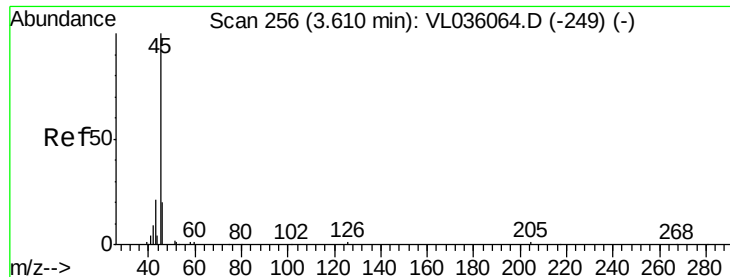


#9

Propene
 Concen: 0.266 ppbv m
 RT: 2.99 min Scan# 64
 Delta R.T. -0.02 min
 Lab File: VL036150.D
 Acq: 11 Dec 2020 5:25

Tgt Ion	Ratio	Lower	Upper
41	100		
42	56.8	57.0	85.6#





#13

Ethanol

Concen: 15.624 ppbv m

RT: 3.59 min Scan# 251

Delta R.T. -0.02 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Tot Ion: 45 Resp: 160654

Ion Ratio Lower Upper

45 100

46 41.3 19.0 75.8

Instrument :

MSVOA_L

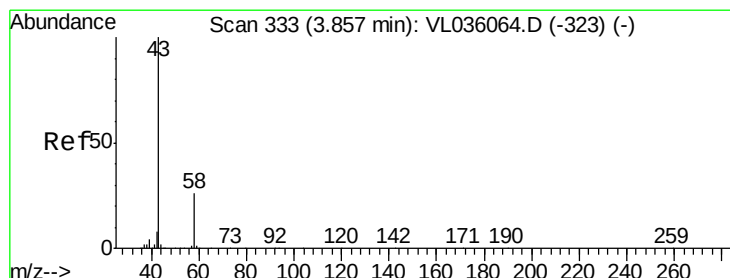
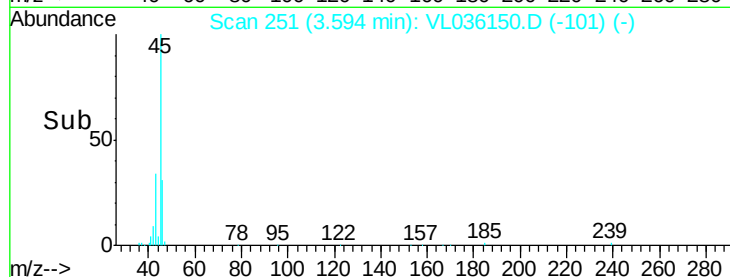
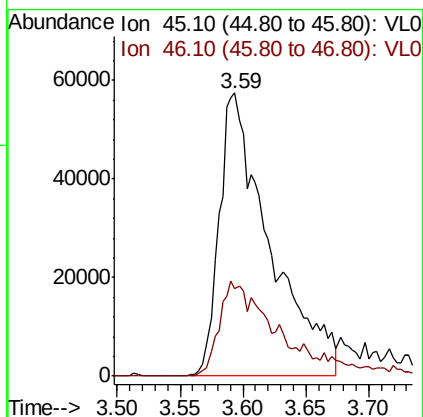
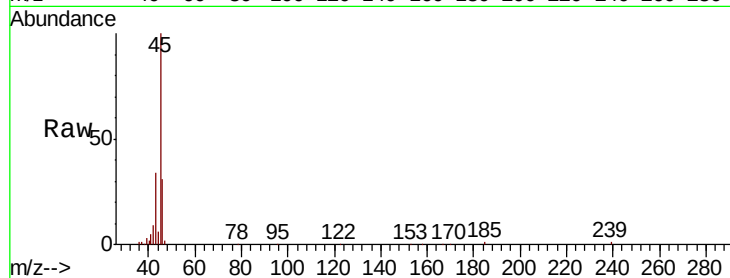
ClientSampleId :

48-2DL2

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#15

Acetone

Concen: 0.535 ppbv m

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL036150.D

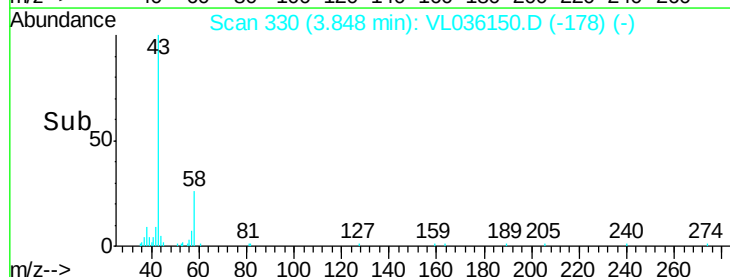
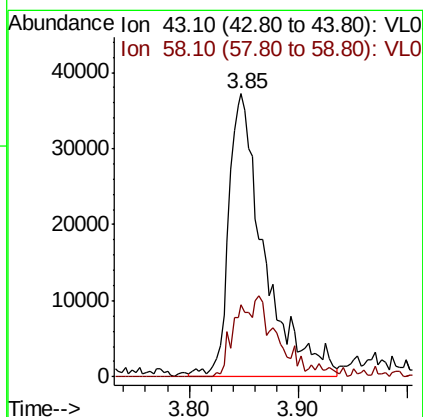
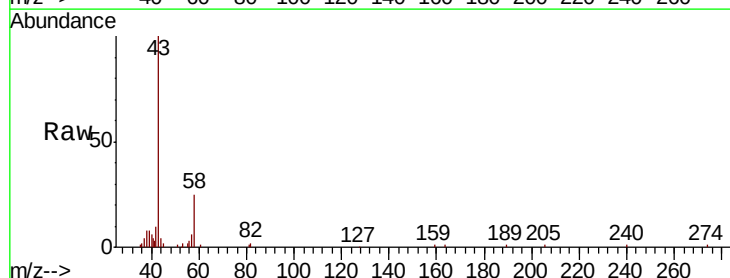
Acq: 11 Dec 2020 5:25

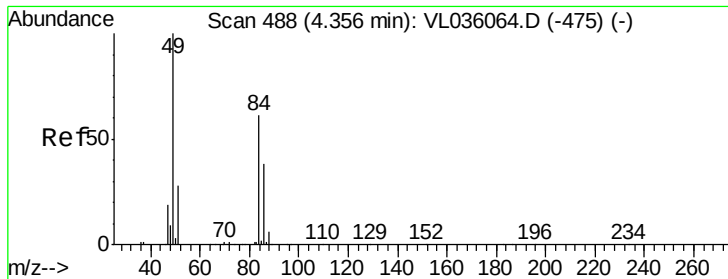
Tgt Ion: 43 Resp: 83839

Ion Ratio Lower Upper

43 100

58 32.0 20.9 31.3#





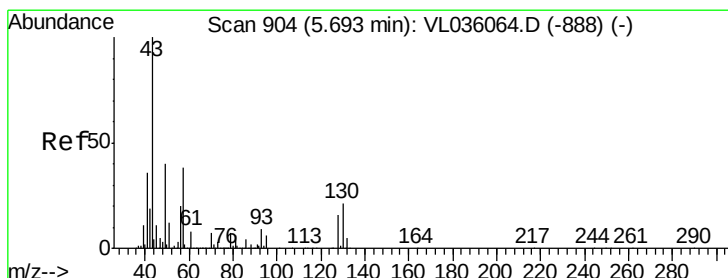
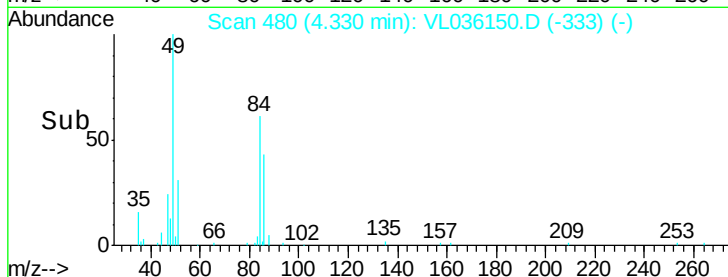
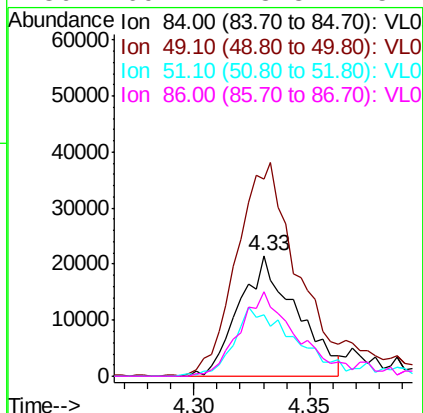
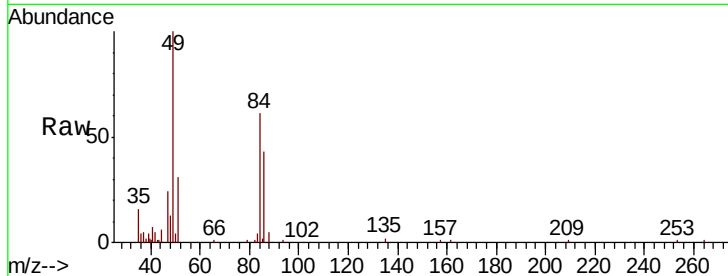
#20
Methvlene Chloride
Concen: 0.574 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.03 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Instrument :
MSVOA_L
ClientSampleId :
48-2DL2

Tot Ion	84	Resp	36919
Ion	Ratio	Lower	Upper
84	100		
49	161.0	133.0	199.4
51	49.1	38.9	58.3
86	69.7	48.8	73.2

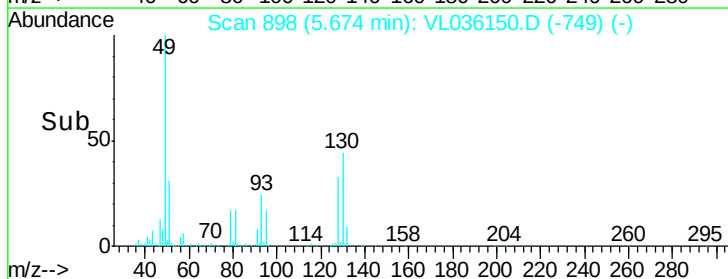
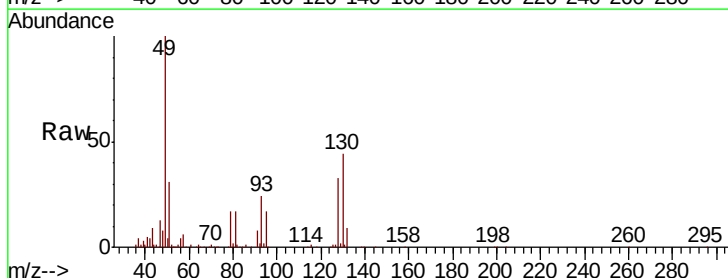
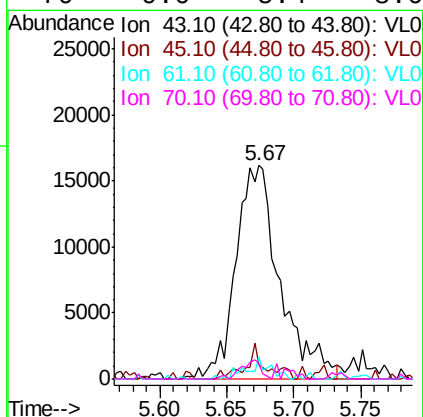
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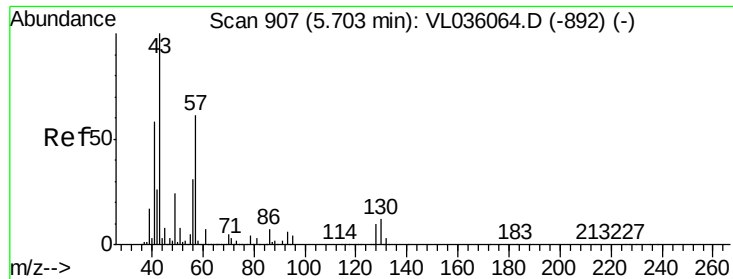
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#25
Ethyl Acetate
Concen: 0.118 ppbv m
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tgt Ion	43	Resp	37105
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	0.0	7.4	11.2#
70	0.0	5.4	8.0#





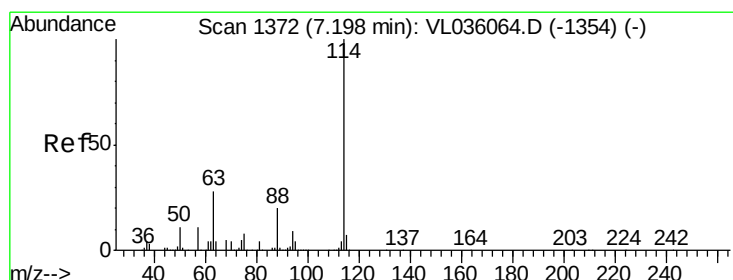
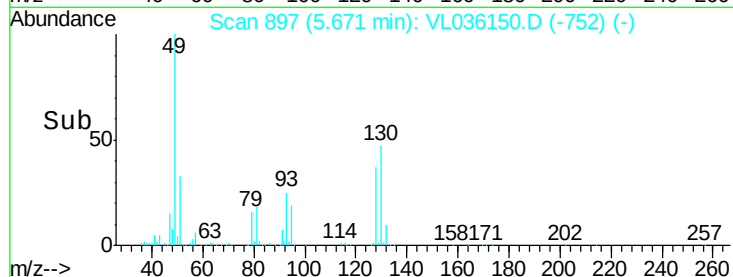
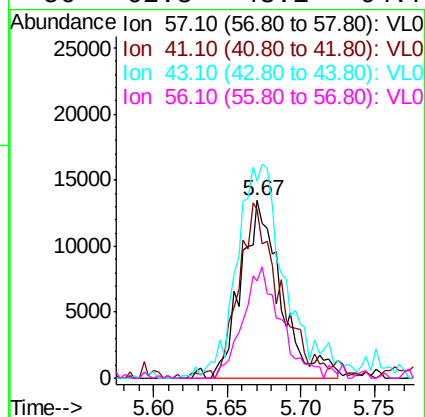
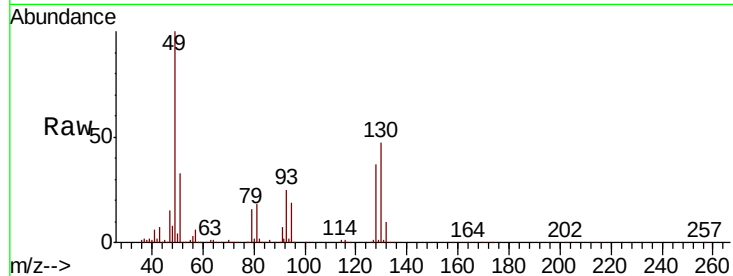
#26
Hexane
Concen: 0.181 ppbv m
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Instrument :
MSVOA_L
ClientSampleId :
48-2DL2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
57	100		25524		
41	107.0	82.9	124.3		
43	147.5	199.9	299.9#		
56	62.3	43.1	64.7		

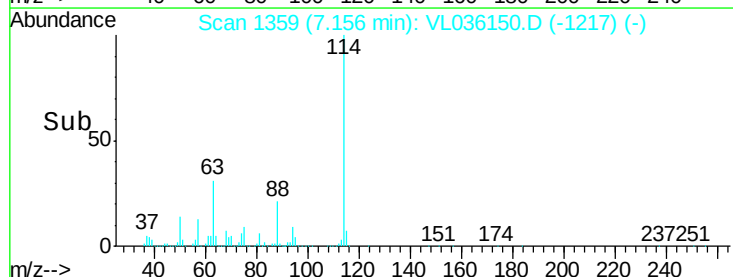
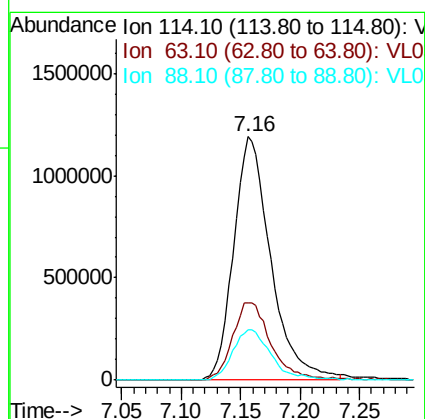
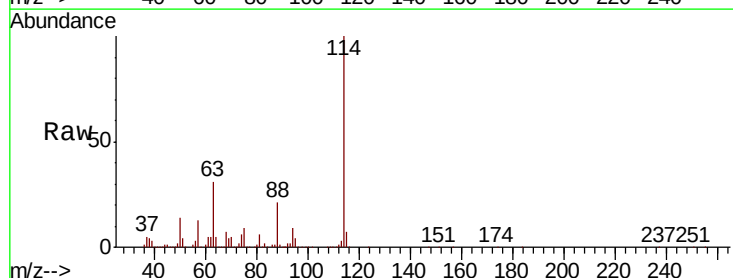
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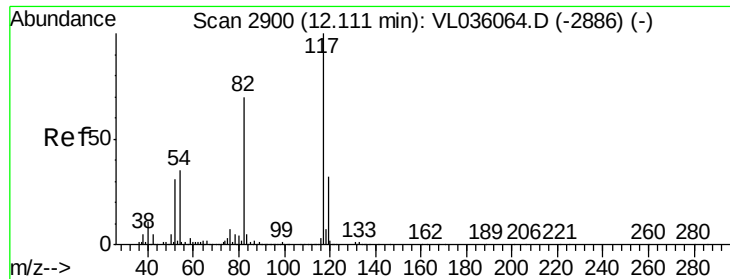
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.04 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
114	100		2578672		
63	33.5	23.6	35.4		
88	21.7	15.8	23.6		





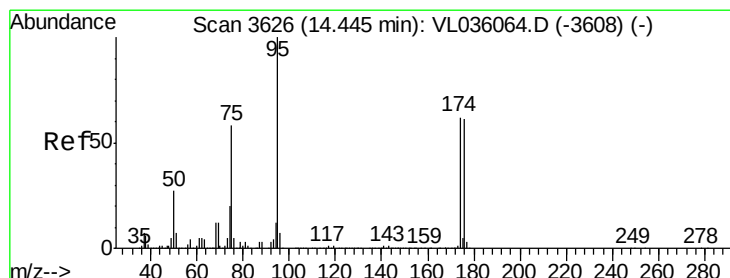
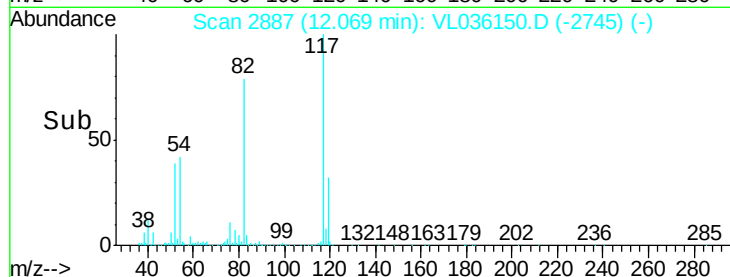
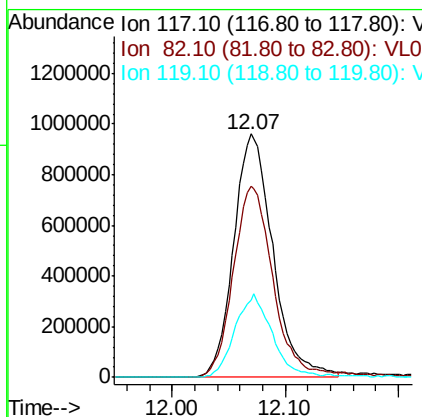
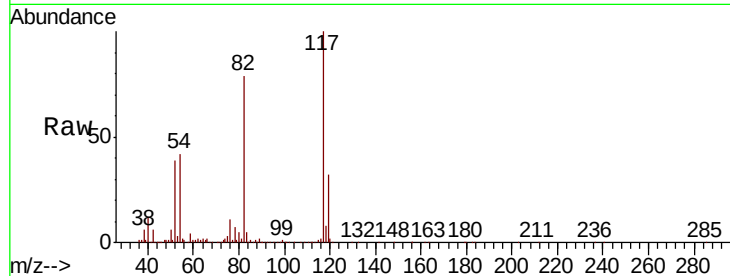
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.04 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Instrument :
MSVOA_L
ClientSampleId :
48-2DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	82.2	0.0	0.0#
119	33.2	0.0	0.0#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 11.010 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.04 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	56.0	50.7	76.1
175	4.0	4.0	6.0#

