

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090820\
 Data File : VL035573.D
 Acq On : 9 Sep 2020 2:26
 Operator : SY/AP
 Sample : L3898-09DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8DL

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:45:43 AM

Quant Time: Sep 09 05:41:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1162924	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	4717601	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	4777863	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3542973	10.44	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	6139	0.124	ppbv	# 75
11) Trichlorofluoromethane	3.93	101	68105	0.232	ppbv	94
13) Ethanol	3.60	45	25779	2.097	ppbv	97
15) Acetone	3.84	43	321419	2.506	ppbv	99
19) Isopropyl Alcohol	3.98	45	17121m	0.224	ppbv	
20) Methylene Chloride	4.33	84	26516	0.278	ppbv	91

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

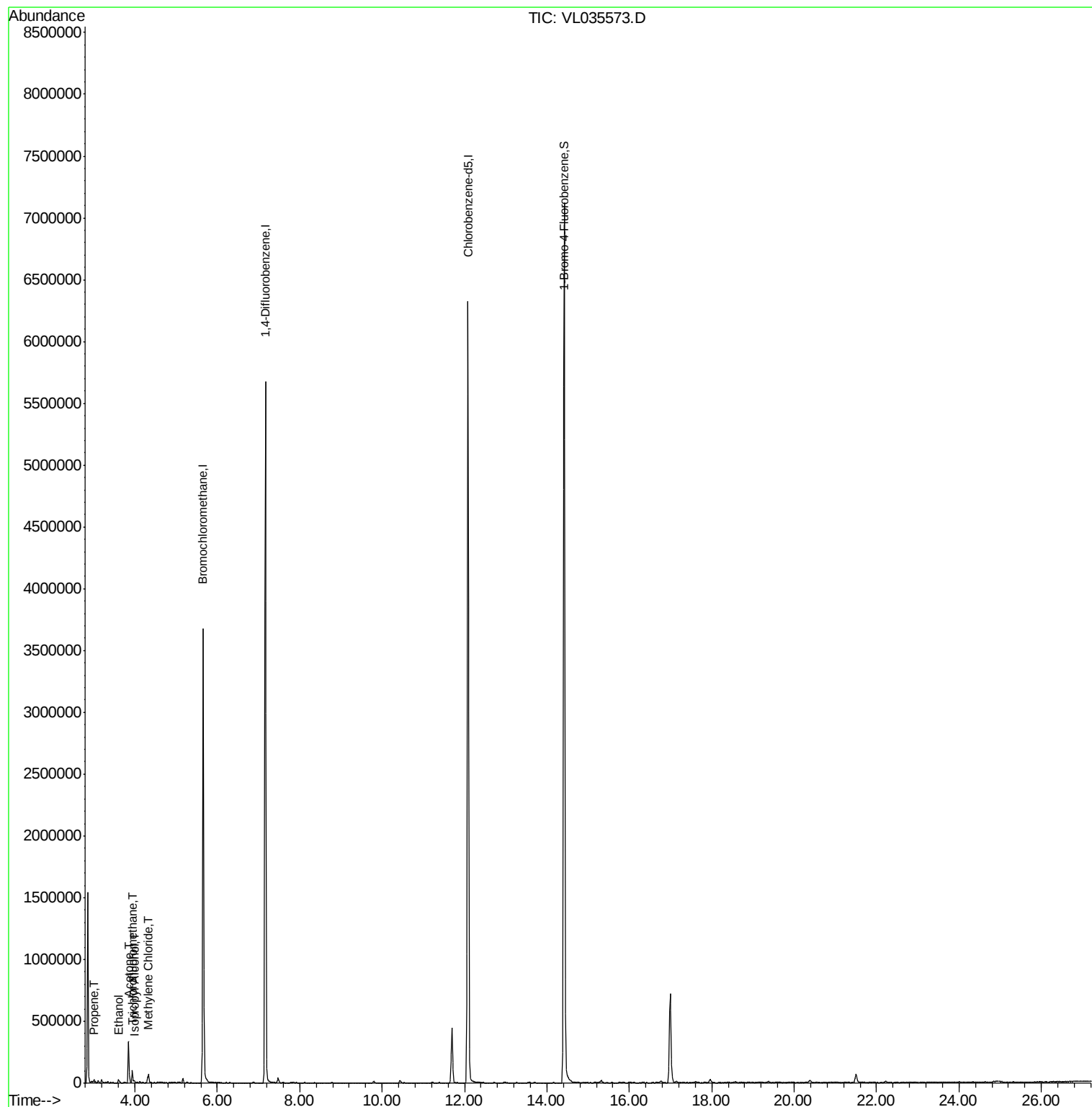
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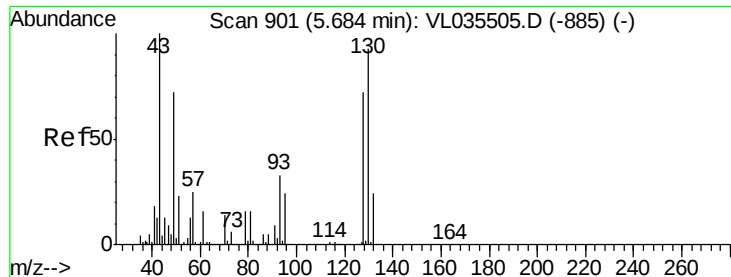
Instrument :
MSVOA_L
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QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL035573.D

Acq: 9 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampled :

SS-8DL

Tot Ion: 49 Resp: 1162924

Ion Ratio Lower Upper

49 100

128 94.0 50.0 150.1

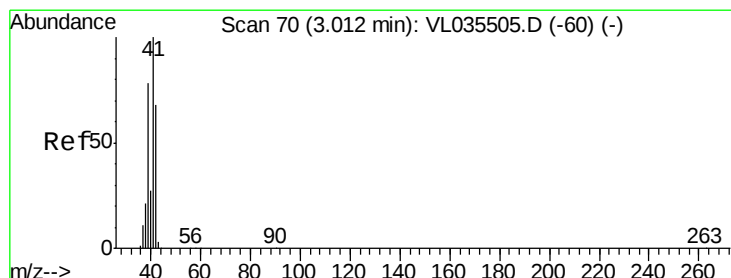
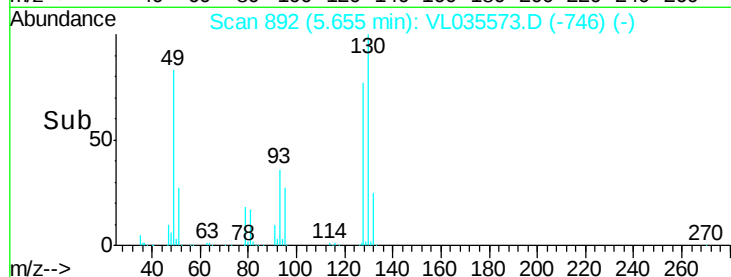
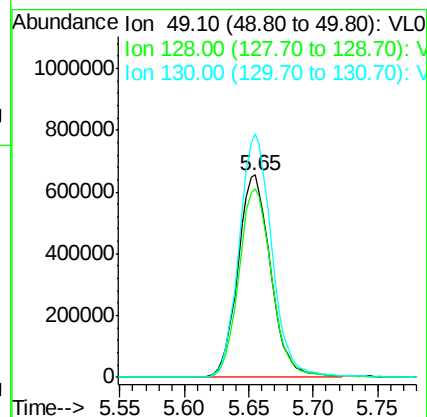
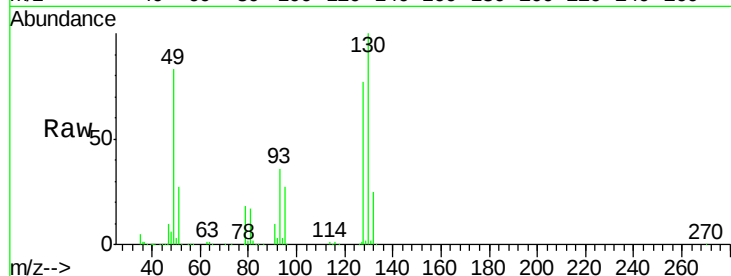
130 120.3 64.4 193.2

Manual Integrations

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#9

Propene

Concen: 0.124 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL035573.D

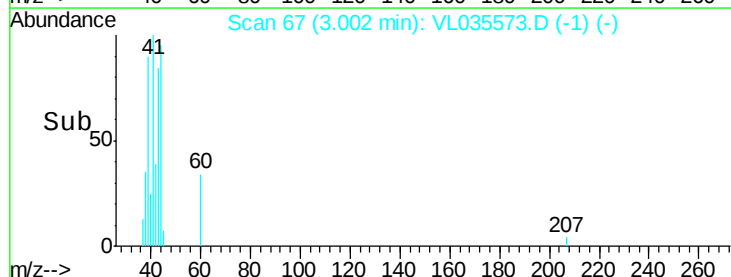
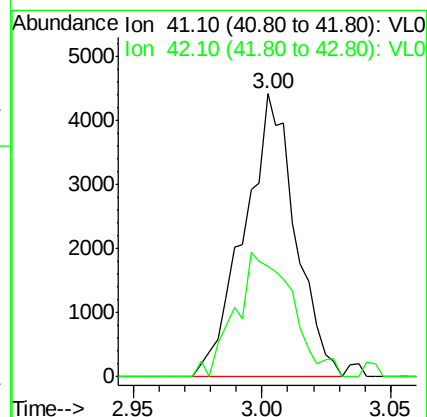
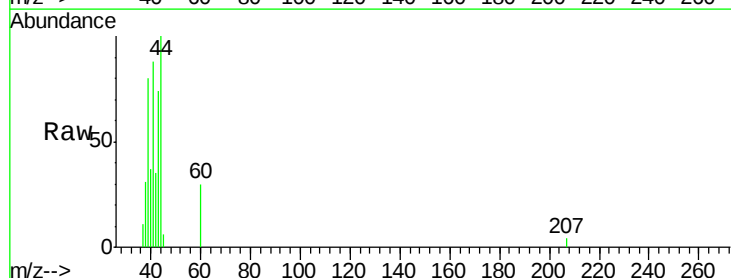
Acq: 9 Sep 2020 2:26

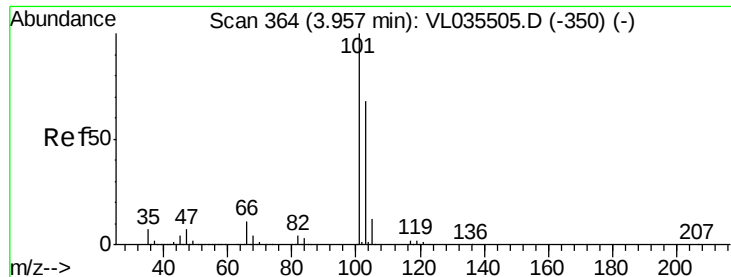
Tgt Ion: 41 Resp: 6139

Ion Ratio Lower Upper

41 100

42 50.1 56.3 84.5#





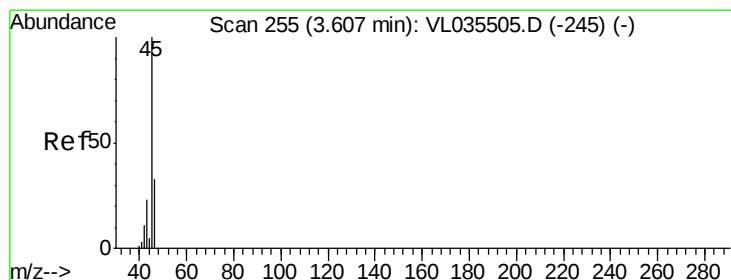
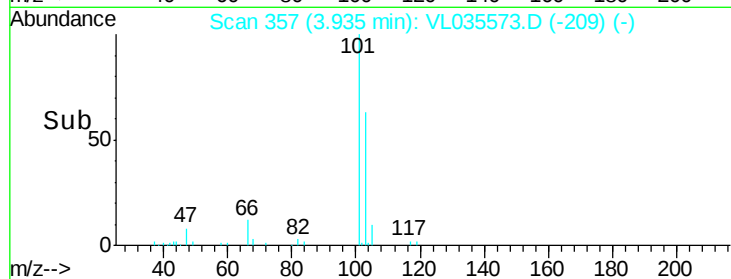
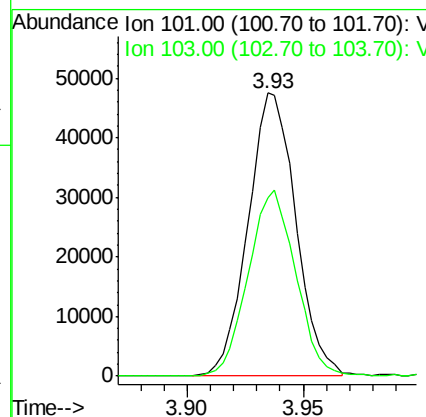
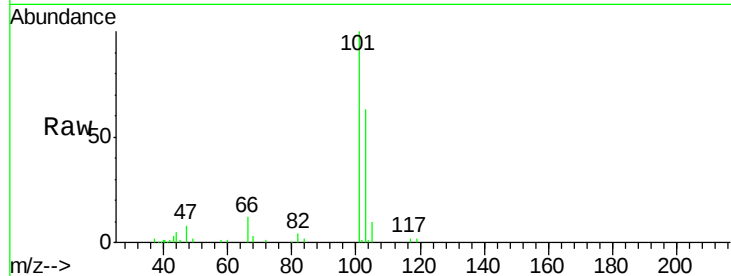
#11
 Trichlorofluoromethane
 Concen: 0.232 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.02 min
 Lab File: VL035573.D
 Acq: 9 Sep 2020 2:26

Instrument :
 MSVOA_L
 ClientSampled :
 SS-8DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		68105		
103	63.2	54.5	81.7		

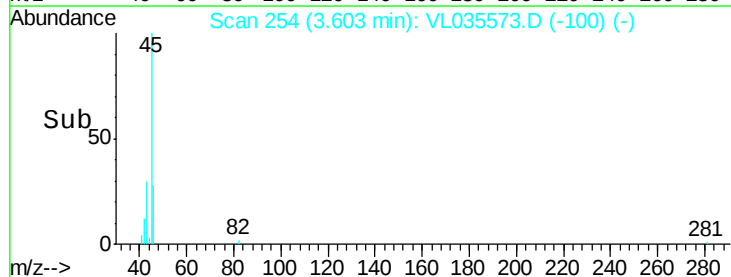
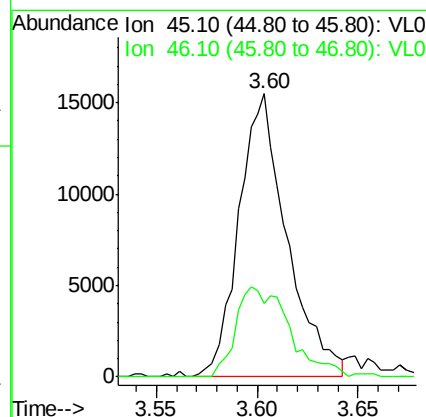
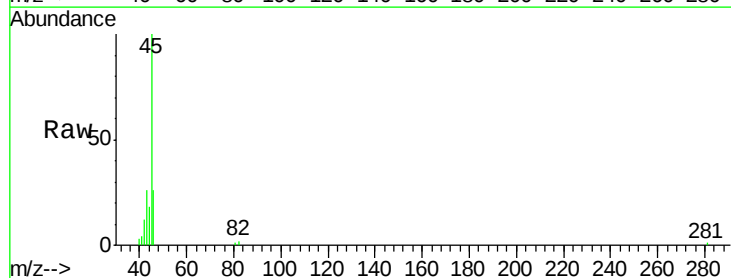
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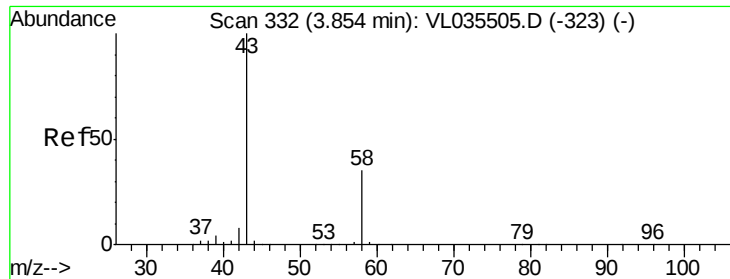
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#13
 Ethanol
 Concen: 2.097 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VL035573.D
 Acq: 9 Sep 2020 2:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		25779		
46	36.0	15.2	60.6		





#15

Acetone

Concen: 2.506 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL035573.D

Acq: 9 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

SS-8DL

Tot Ion: 43 Resp: 321419

Ion Ratio Lower Upper

43 100

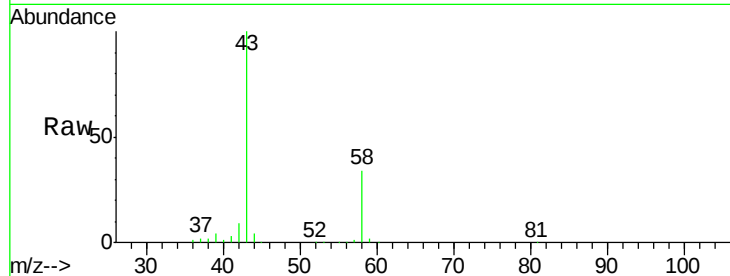
58 36.2 28.4 42.6

Manual Integrations

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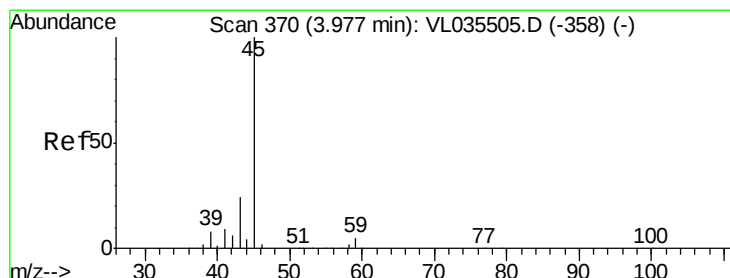
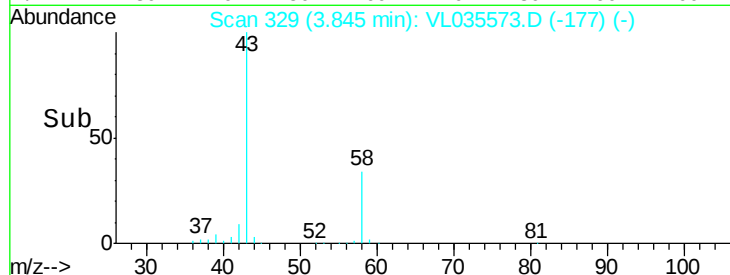
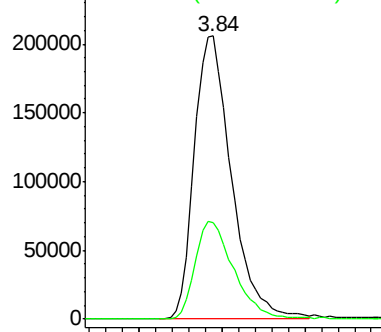
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.224 ppbv m

RT: 3.98 min Scan# 371

Delta R.T. 0.00 min

Lab File: VL035573.D

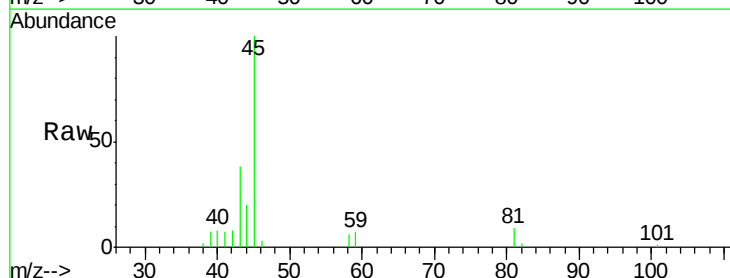
Acq: 9 Sep 2020 2:26

Tgt Ion: 45 Resp: 17121

Ion Ratio Lower Upper

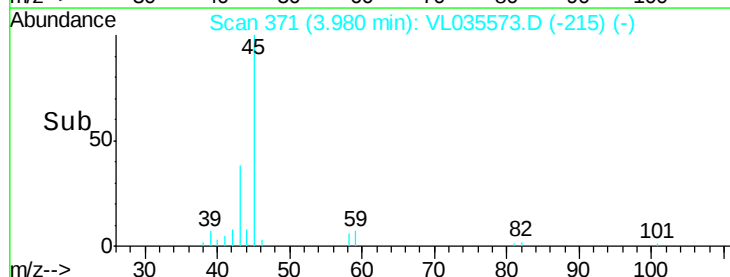
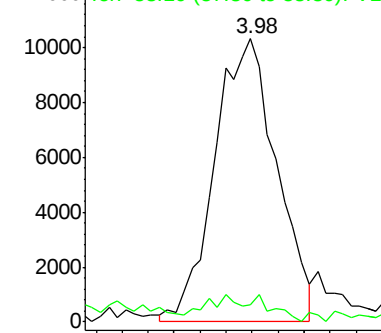
45 100

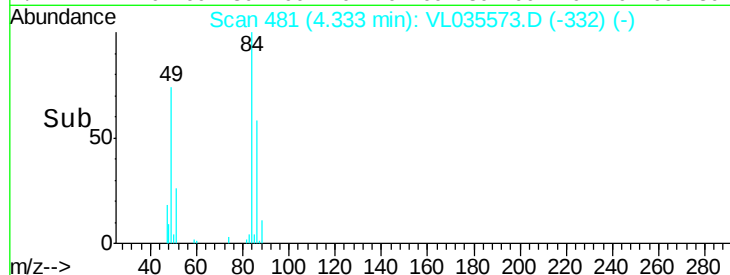
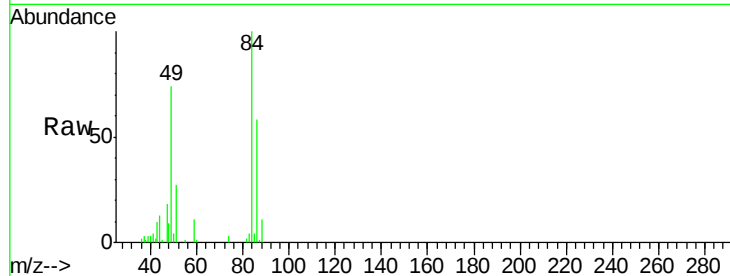
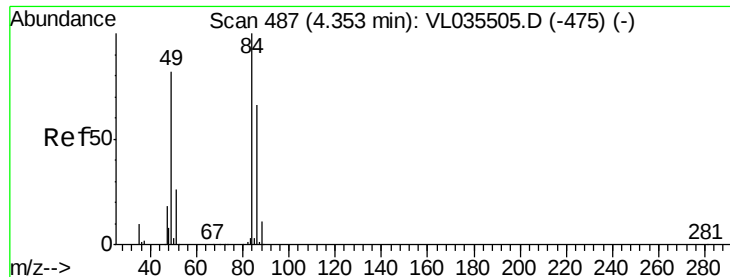
58 0.0 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





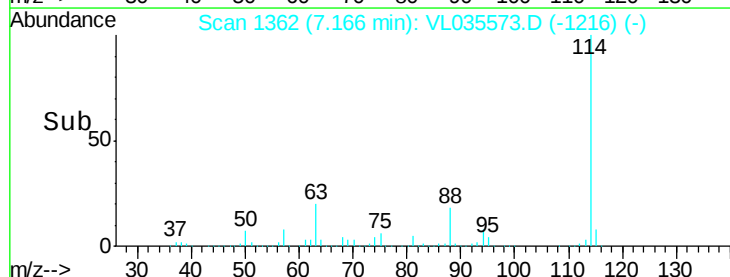
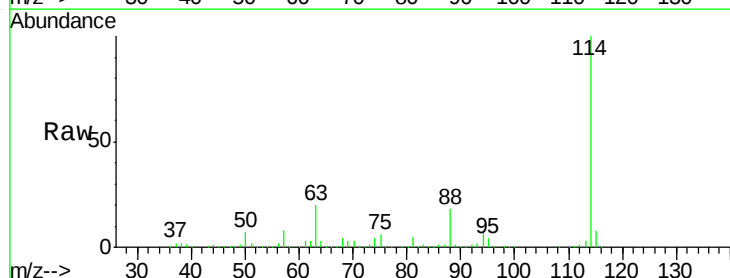
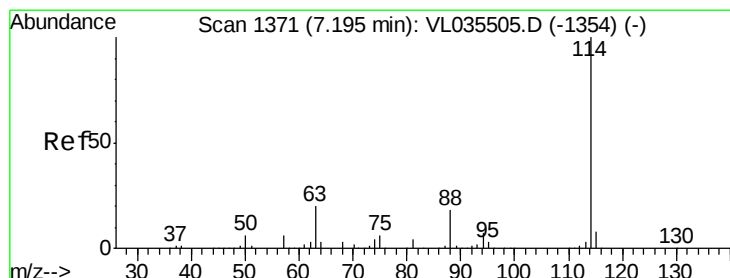
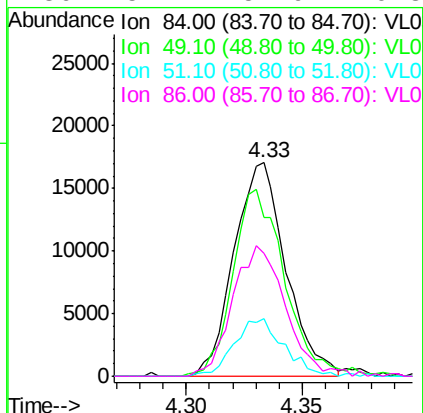
#20
Methvlene Chloride
Concen: 0.278 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.02 min
Lab File: VL035573.D
Acq: 9 Sep 2020 2:26

Tot Ion	84	Resp	26516
Ion Ratio	Lower	Upper	
84	100		
49	73.1	65.4	98.0
51	27.2	21.5	32.3
86	57.7	52.9	79.3

Instrument :
MSVOA_L
ClientSampled :
SS-8DL

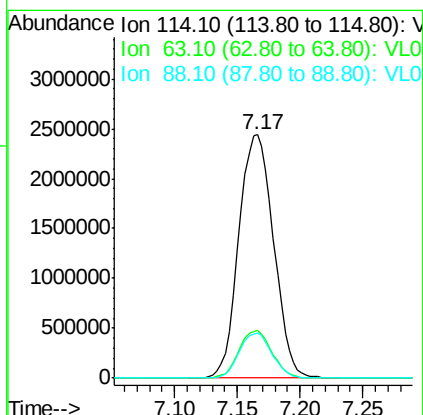
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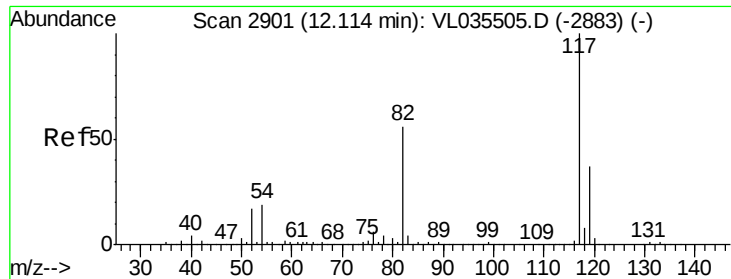
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL035573.D
Acq: 9 Sep 2020 2:26

Tgt Ion	114	Resp	4717601
Ion Ratio	Lower	Upper	
114	100		
63	18.7	14.7	22.1
88	17.4	13.4	20.2





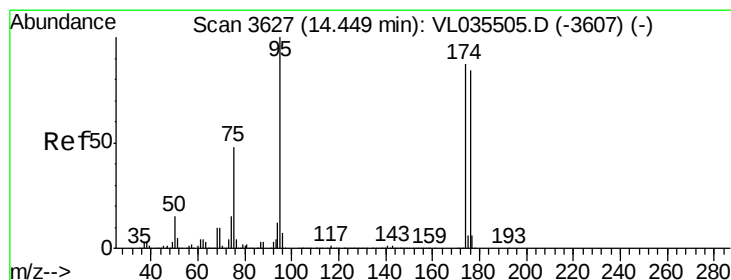
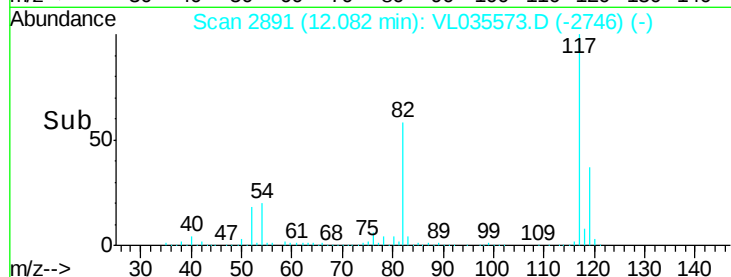
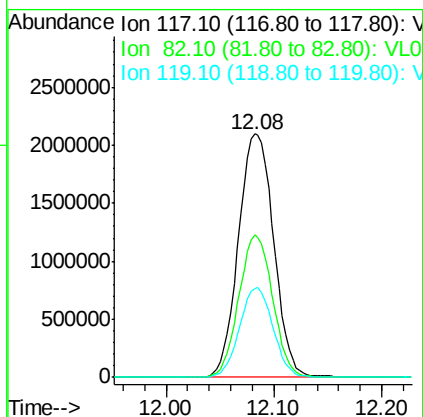
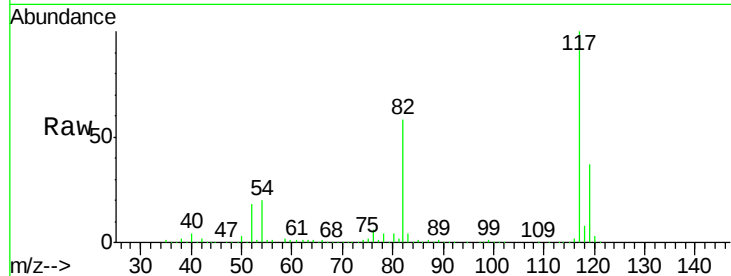
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.03 min
Lab File: VL035573.D
Acq: 9 Sep 2020 2:26

Instrument :
MSVOA_L
ClientSampled :
SS-8DL

Tot Ion:117 Resp: 4777863
Ion Ratio Lower Upper
117 100
82 56.4 41.6 62.4
119 35.1 29.3 43.9

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.442 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.03 min
Lab File: VL035573.D
Acq: 9 Sep 2020 2:26

Tgt Ion: 95 Resp: 3542973
Ion Ratio Lower Upper
95 100
174 82.6 69.6 104.4
175 6.0 5.1 7.7

