

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036327.D
 Acq On : 10 Feb 2021 21:15
 Operator : SY/AP
 Sample : M1343-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-1BDL

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:42:34 PM

Quant Time: Feb 11 21:11:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1721842	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3701018	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3430814	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2771543	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	66282	0.310	ppbv #	87
9) Propene	3.01	41	30255	0.379	ppbv	84
13) Ethanol	3.59	45	3000910	200.299	ppbv	91
15) Acetone	3.84	43	141057	0.670	ppbv #	63
19) Isopropyl Alcohol	3.97	45	648969m	5.565	ppbv	
36) Benzene	6.87	78	38713m	0.123	ppbv	

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

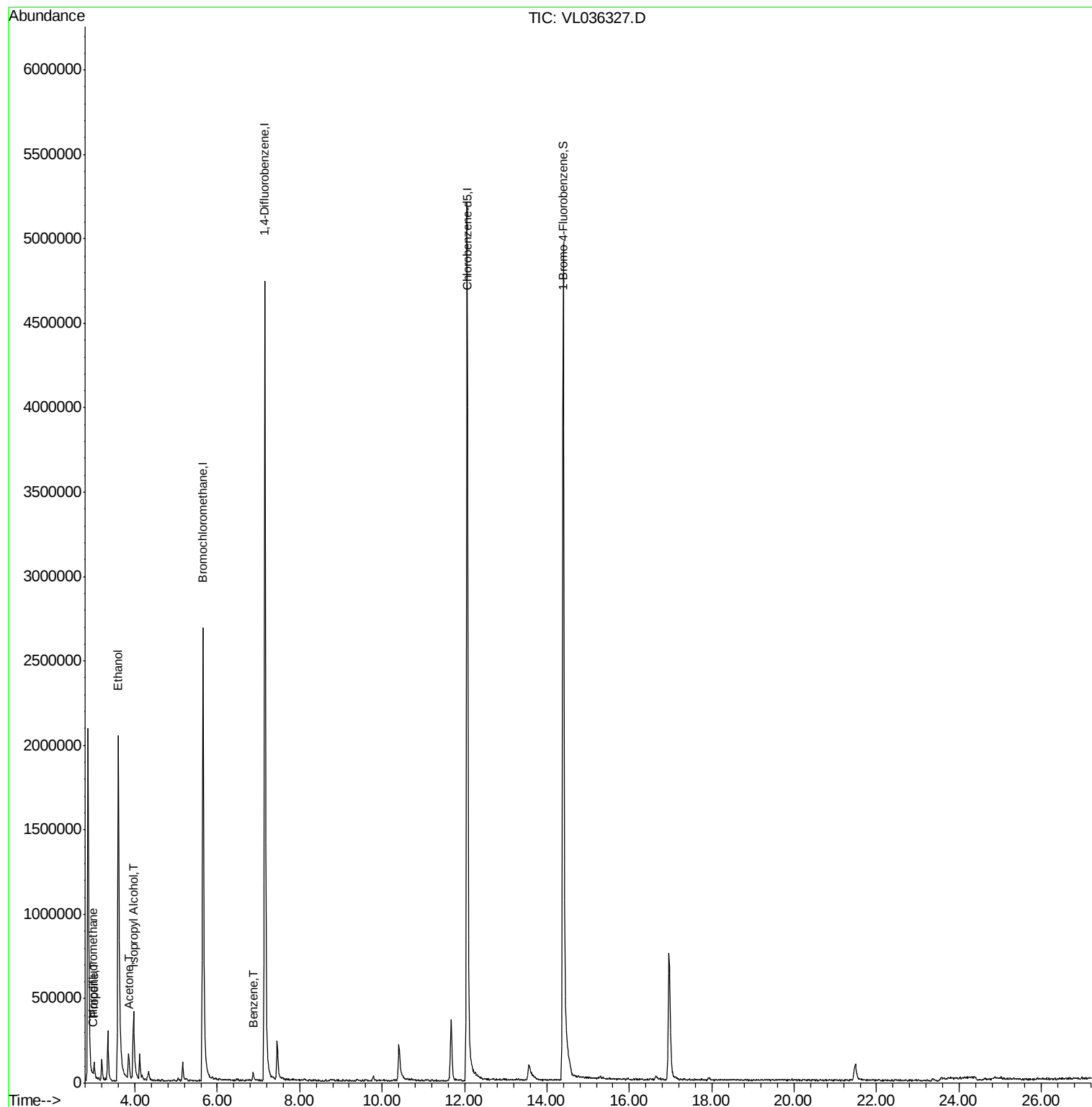
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021021\
Data File : VL036327.D
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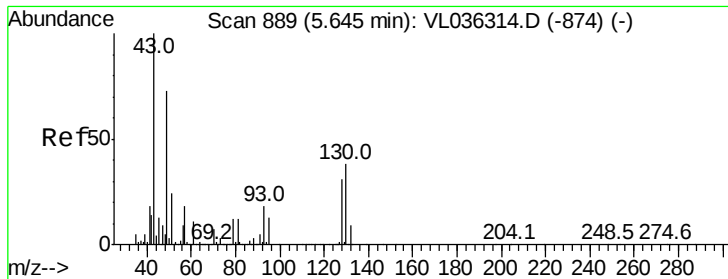
Instrument :
MSVOA_L
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
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QLast Update : Wed Feb 10 16:04:02 2021
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#1

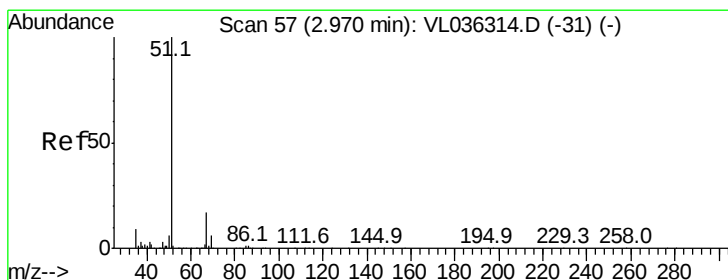
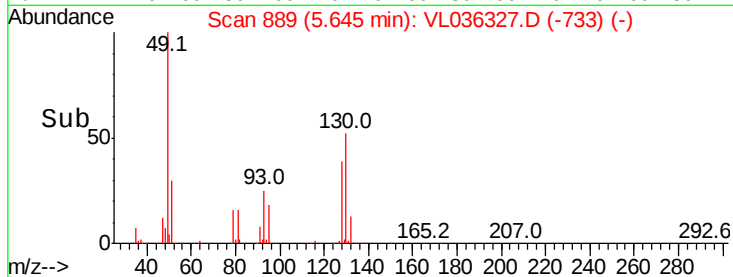
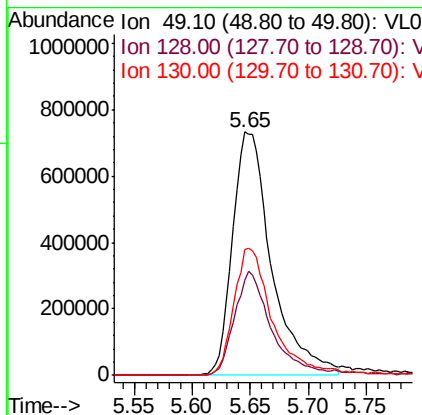
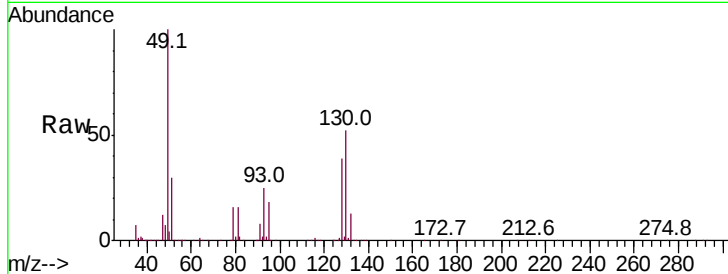
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VL036327.D
 Acq: 10 Feb 2021 21:15

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-1BDL

Tot Ion	Ratio	Lower	Upper
49	100		
128	42.0	20.8	62.5
130	53.1	26.7	80.1

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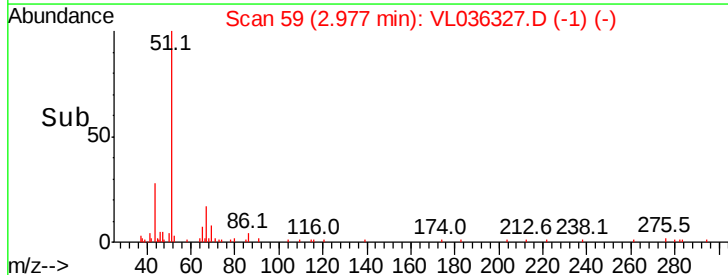
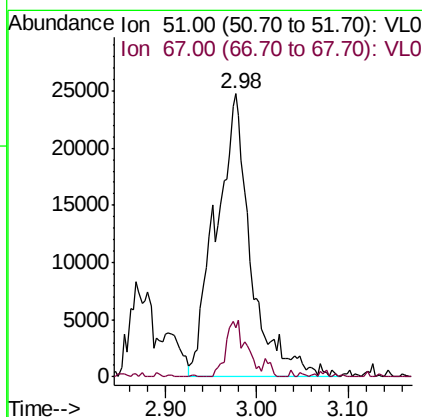
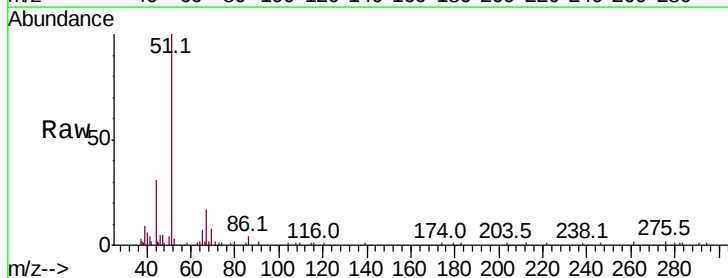
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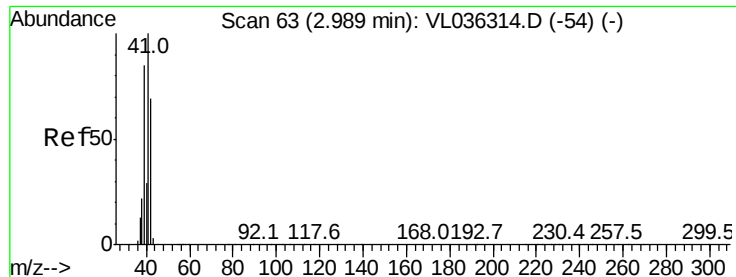


#3

Chlorodifluoromethane
 Concen: 0.310 ppbv
 RT: 2.98 min Scan# 59
 Delta R.T. 0.01 min
 Lab File: VL036327.D
 Acq: 10 Feb 2021 21:15

Tgt Ion	Ratio	Lower	Upper
51	100		
67	12.8	14.7	22.1





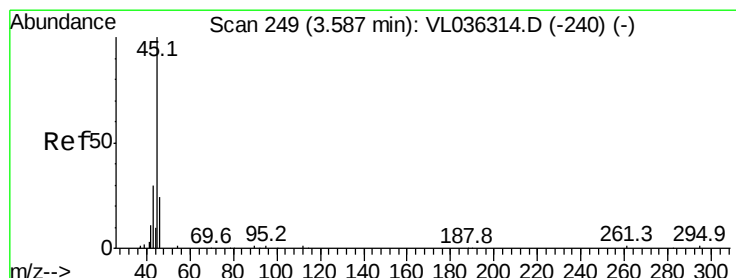
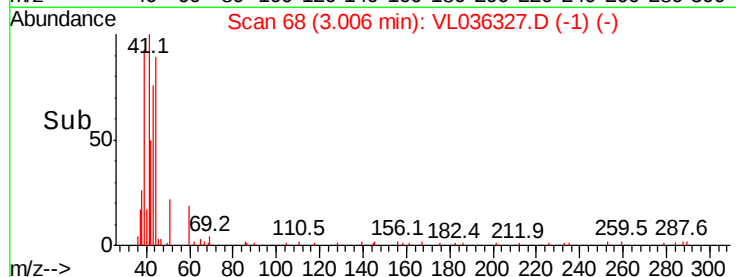
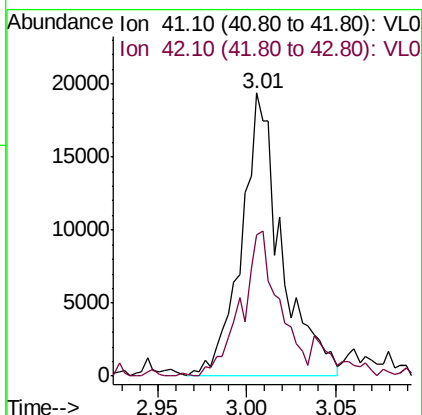
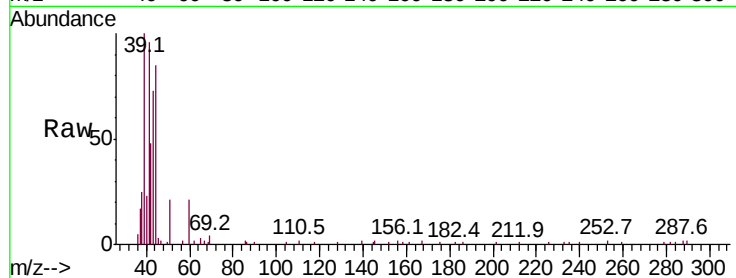
#9
Propene
Concen: 0.379 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.02 min
Lab File: VL036327.D
Acq: 10 Feb 2021 21:15

Instrument :
MSVOA_L
ClientSampleId :
SR-1BDL

Tot Ion: 41 Resp: 30255
Ion Ratio Lower Upper
41 100
42 57.4 56.2 84.2

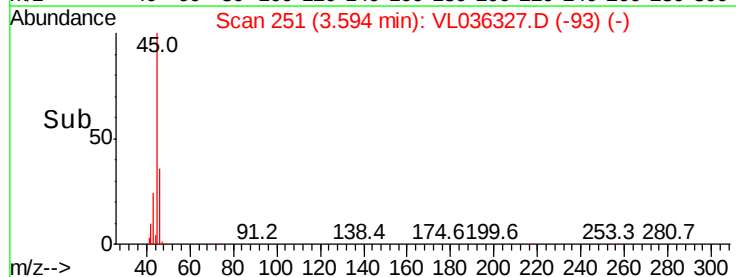
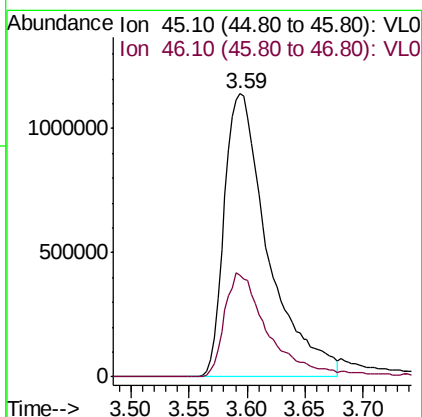
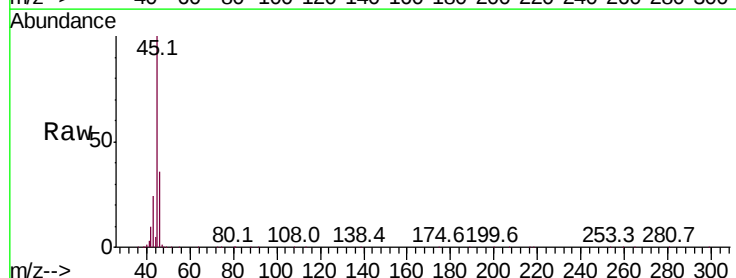
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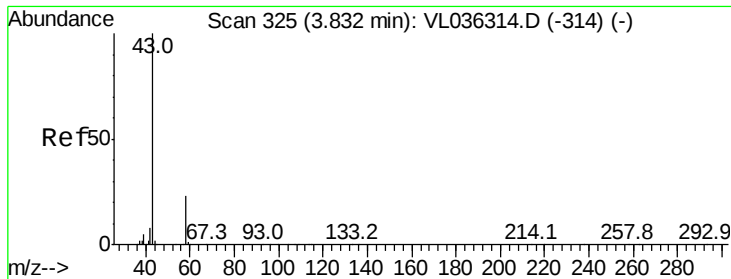
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#13
Ethanol
Concen: 200.299 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL036327.D
Acq: 10 Feb 2021 21:15

Tgt Ion: 45 Resp: 3000910
Ion Ratio Lower Upper
45 100
46 38.5 17.7 70.7





#15

Acetone

Concen: 0.670 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.01 min

Lab File: VL036327.D

Acq: 10 Feb 2021 21:15

Instrument :

MSVOA_L

ClientSampleId :

SR-1BDL

Tot Ion: 43 Resp: 141057

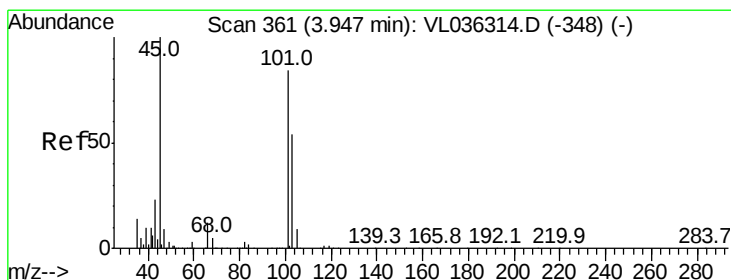
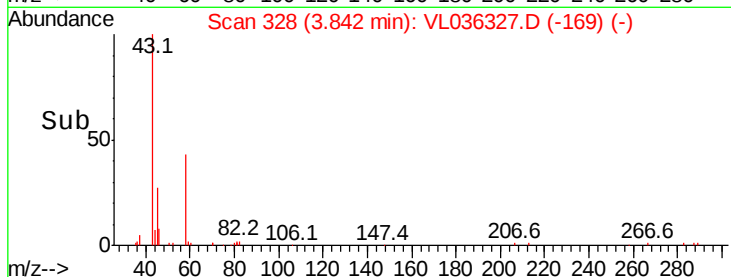
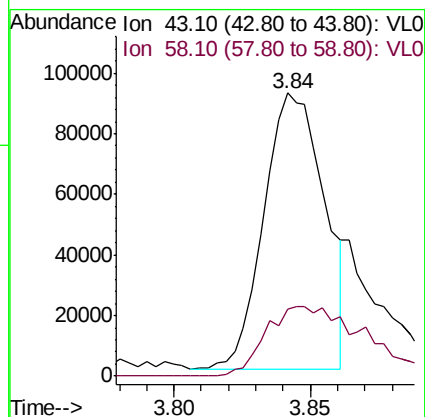
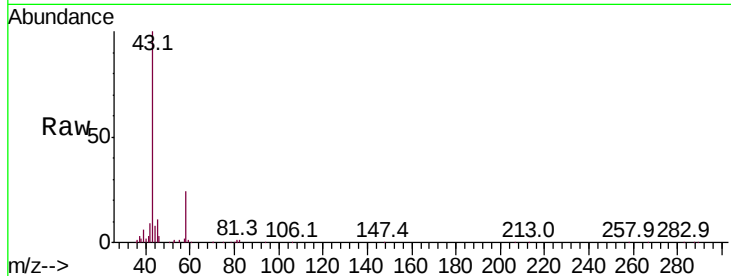
Ion Ratio Lower Upper

43 100

58 44.2 20.3 30.5#

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#19

Isopropyl Alcohol

Concen: 5.565 ppbv m

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL036327.D

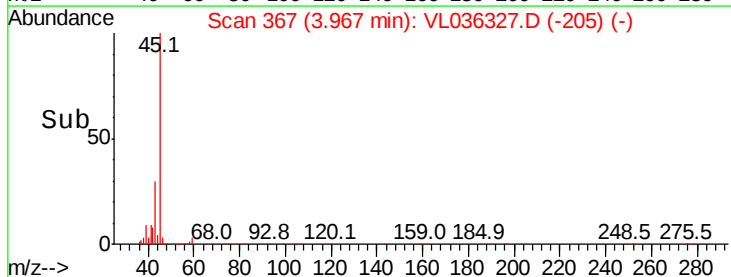
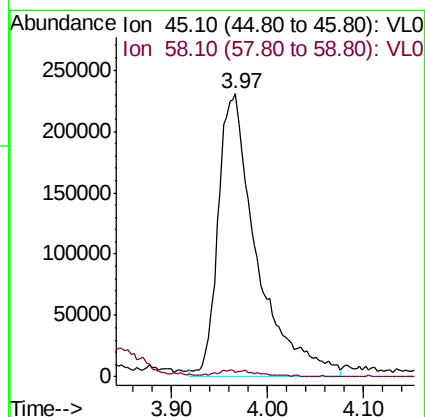
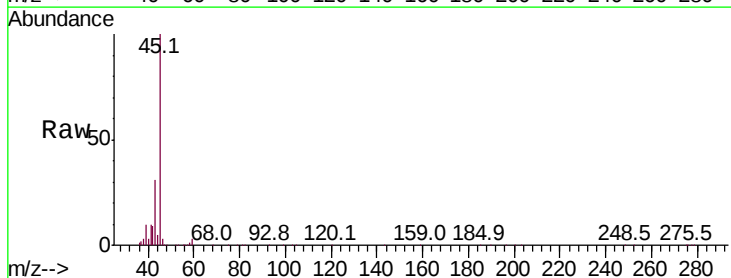
Acq: 10 Feb 2021 21:15

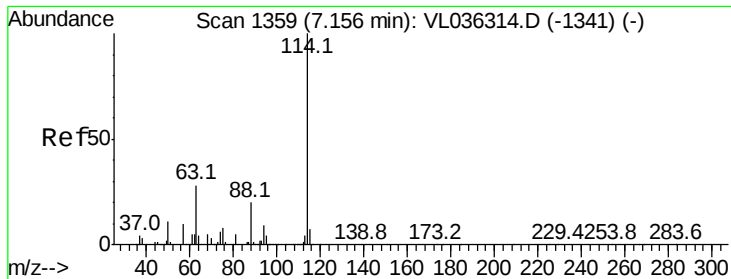
Tgt Ion: 45 Resp: 648969

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL036327.D

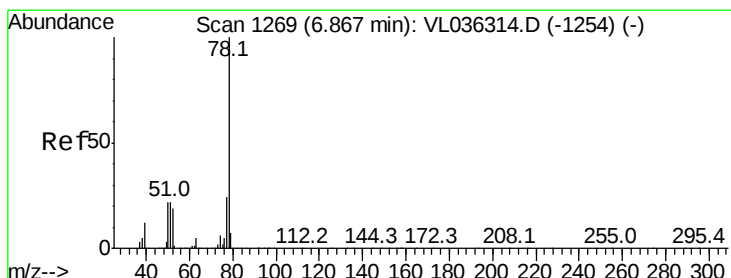
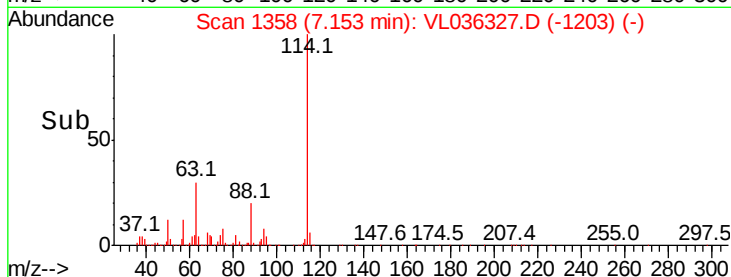
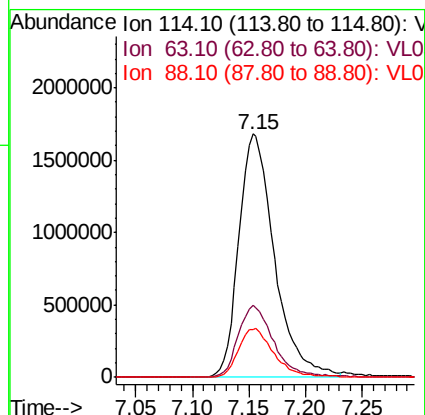
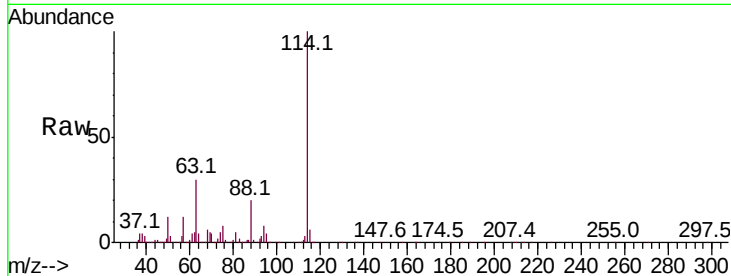
Acq: 10 Feb 2021 21:15

Instrument :
MSVOA_L
ClientSampleId :
SR-1BDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.8	24.1	36.1
88	20.2	16.0	24.0

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#36

Benzene

Concen: 0.123 ppbv m

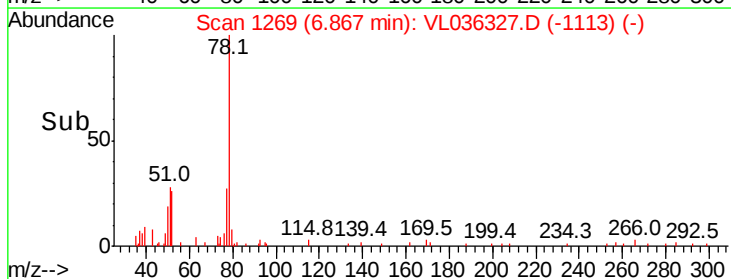
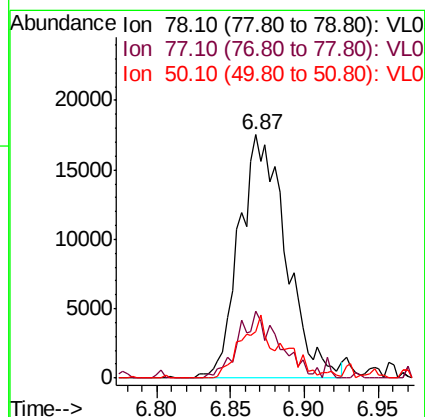
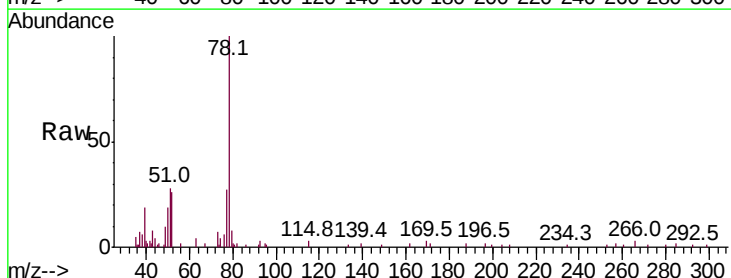
RT: 6.87 min Scan# 1269

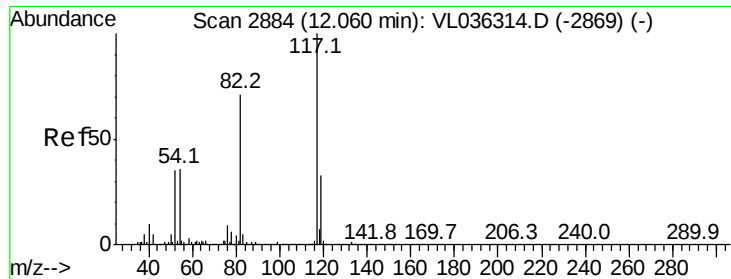
Delta R.T. 0.00 min

Lab File: VL036327.D

Acq: 10 Feb 2021 21:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.4	18.9	28.3
50	19.1	17.3	25.9





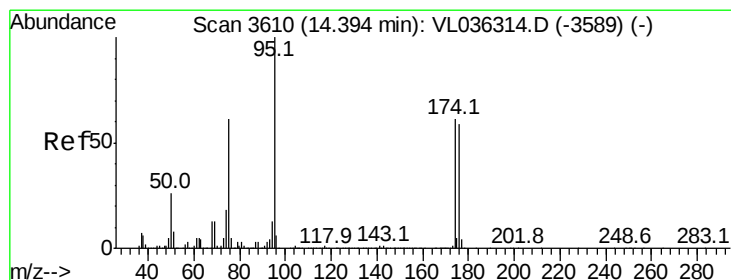
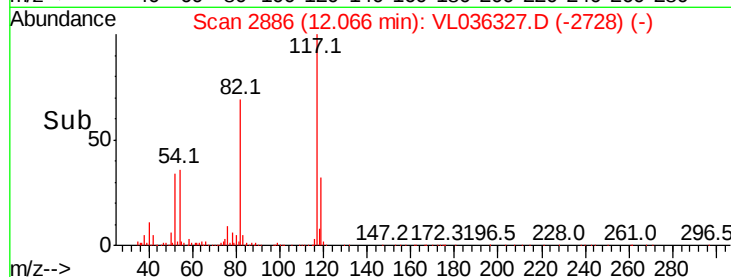
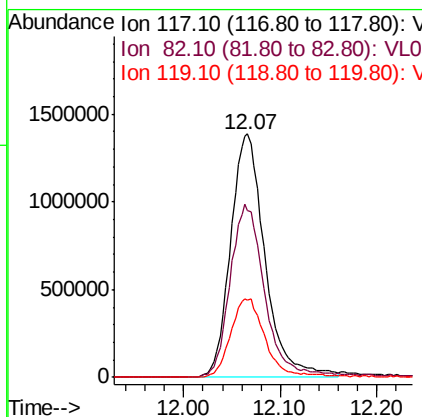
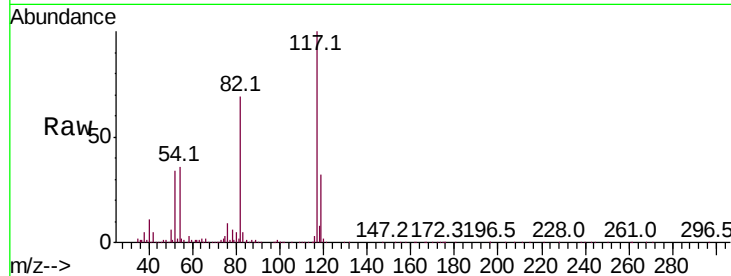
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.01 min
Lab File: VL036327.D
Acq: 10 Feb 2021 21:15

Instrument :
MSVOA_L
ClientSampleId :
SR-1BDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	73.1	59.1	88.7
119	32.9	46.3	69.5

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.819 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. 0.00 min
Lab File: VL036327.D
Acq: 10 Feb 2021 21:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.0	49.8	74.6
175	4.6	3.7	5.5

