

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092721\
 Data File : VL037683.D
 Acq On : 27 Sep 2021 16:43
 Operator : SY/AP
 Sample : M3896-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MID

Manual Integrations
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MMDadoda
 10/1/2021 11:05:04 AM

Quant Time: Sep 28 20:12:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1522362	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	4367710	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3853007	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2681330	9.63	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	38757	0.141	ppbv	95
4) Chloromethane	3.16	50	31838m	0.300	ppbv	
9) Propene	3.03	41	42742m	0.422	ppbv	
10) Heptane	8.13	43	75851m	0.321	ppbv	
11) Trichlorofluoromethane	3.96	101	55786	0.252	ppbv	93
13) Ethanol	3.62	45	159292	16.078	ppbv	92
15) Acetone	3.85	43	3737119	23.627	ppbv	99
18) 1,1-Dichloroethene	4.29	96	8530m	0.112	ppbv	
19) Isopropyl Alcohol	3.98	45	828170	9.623	ppbv #	92
20) Methylene Chloride	4.35	84	371744	4.923	ppbv	95
24) 1,1-Dichloroethane	5.01	63	60063m	0.383	ppbv	
26) Hexane	5.69	57	349440	1.920	ppbv #	31
29) Chloroform	5.76	83	28466m	0.107	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	867260	3.506	ppbv	98
34) 2-Butanone	5.26	43	479551	2.702	ppbv	92
35) Carbon Tetrachloride	7.03	117	8320m	0.034	ppbv	
41) Tetrahydrofuran	6.07	42	93178m	1.117	ppbv	
51) 2-Hexanone	10.15	43	167597m	1.686	ppbv	
53) Toluene	9.82	91	361515m	0.893	ppbv	
58) Ethyl Benzene	12.72	91	182154	0.356	ppbv	99
59) m/p-Xylene	12.98	91	445187m	0.999	ppbv	
60) o-Xylene	13.70	91	246337m	0.581	ppbv	
61) Styrene	13.54	104	96130m	0.460	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	108721m	0.227	ppbv	

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

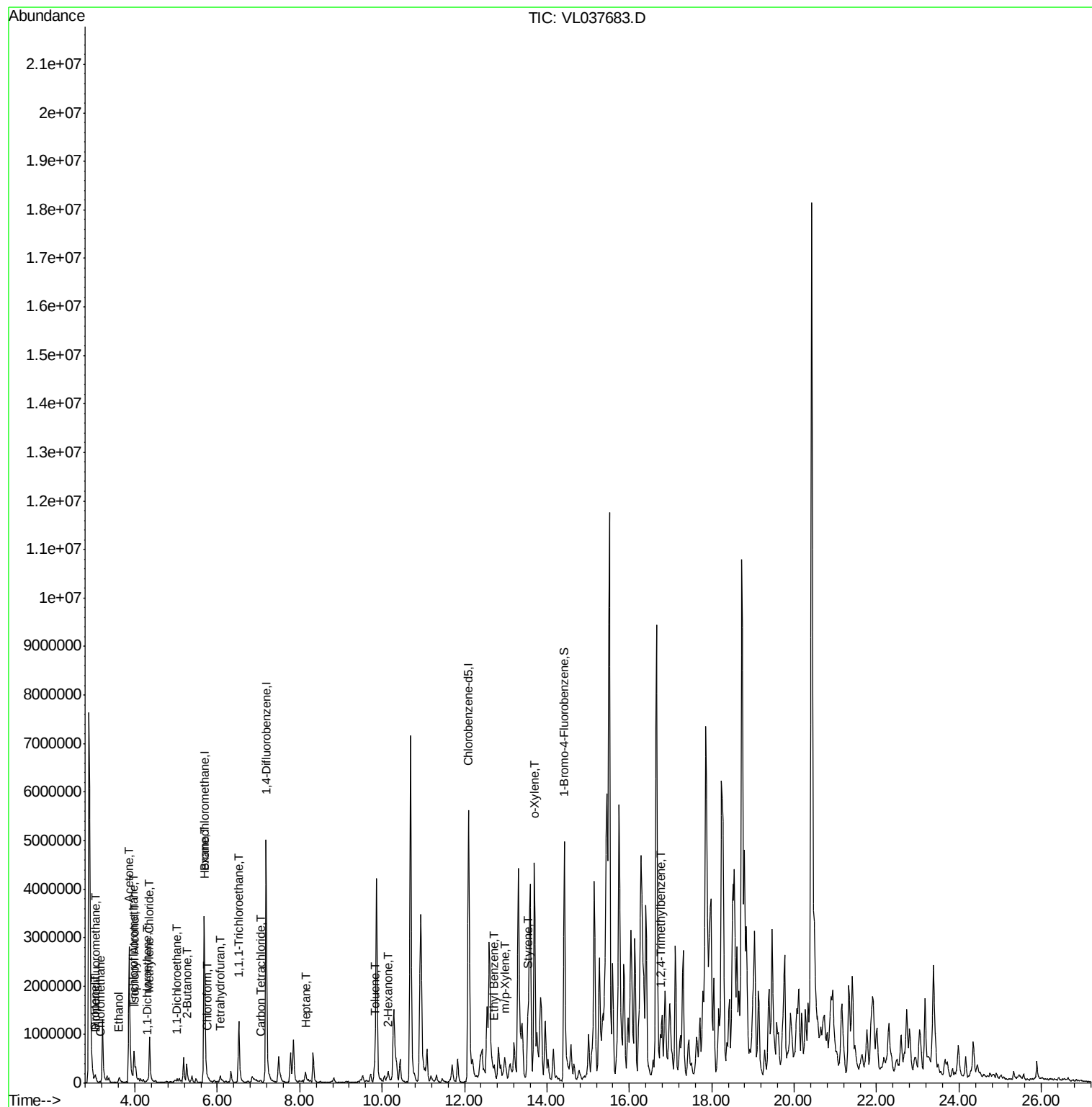
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092721\
Data File : VL037683.D
Acq On : 27 Sep 2021 16:43
Operator : SY/AP
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Misc : 400mL/MSVOA_L
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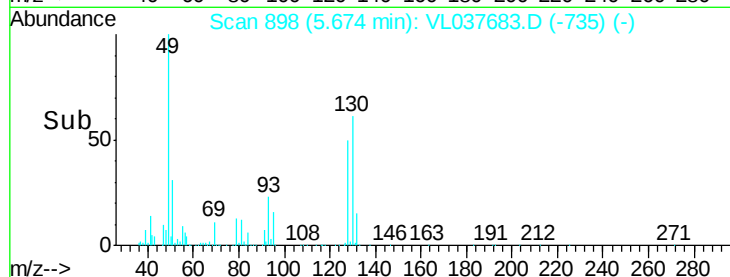
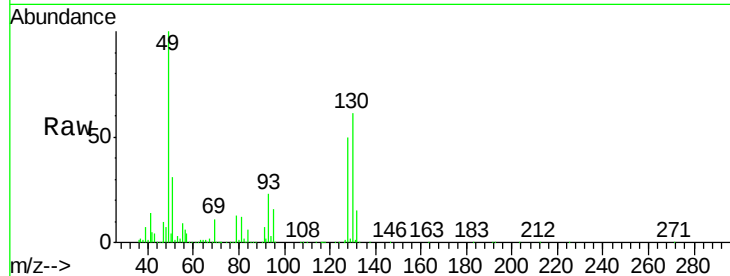
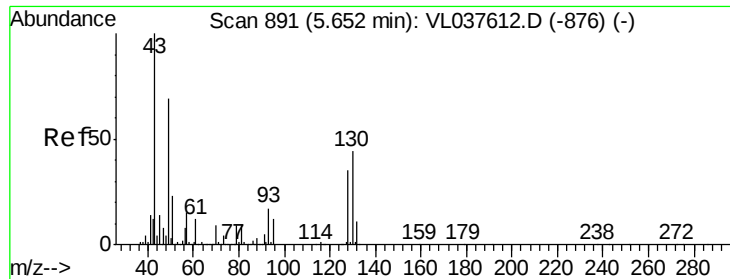
Instrument :
MSVOA_L
ClientSampleId :
MID

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Quant Time: Sep 28 20:12:53 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.02 min

Lab File: VL037683.D

Acq: 27 Sep 2021 16:43

Tgt Ion:	49	Resp:	1522362
Ion	Ratio	Lower	Upper
49	100		
128	53.3	27.9	83.6
130	68.1	33.9	101.7

Instrument :

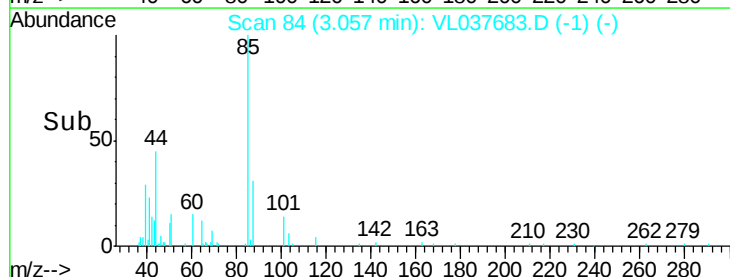
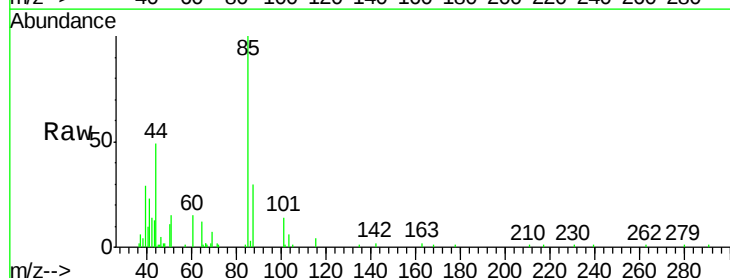
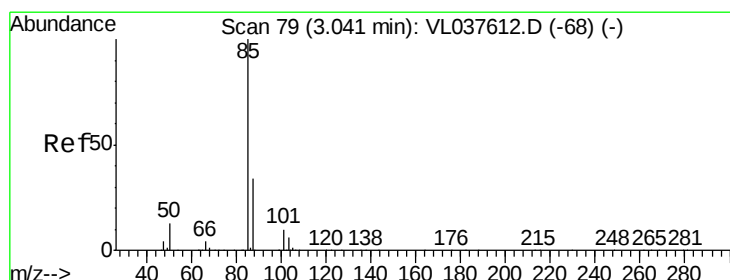
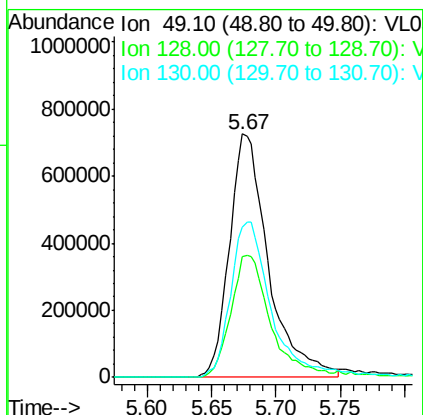
MSVOA_L

ClientSampled :

MID

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#2

Dichlorodifluoromethane

Concen: 0.141 ppbv

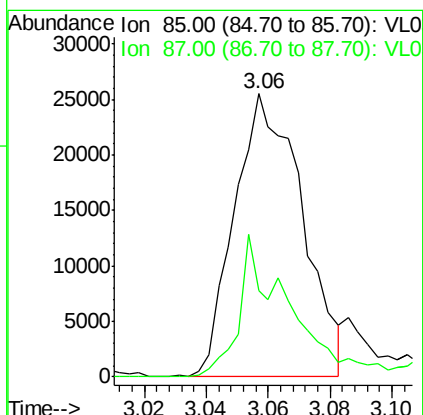
RT: 3.06 min Scan# 84

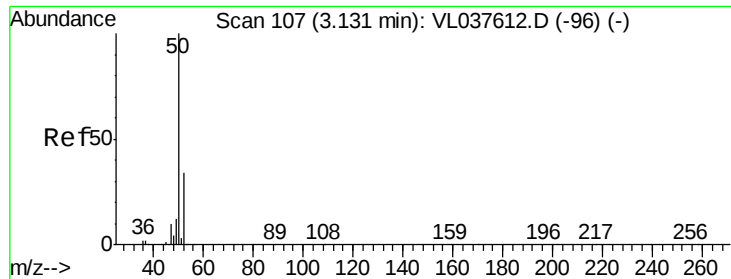
Delta R.T. 0.02 min

Lab File: VL037683.D

Acq: 27 Sep 2021 16:43

Tgt Ion:	85	Resp:	38757
Ion	Ratio	Lower	Upper
85	100		
87	30.5	26.8	40.2





#4

Chloromethane

Concen: 0.300 ppbv m

RT: 3.16 min Scan# 116

Delta R.T. 0.03 min

Lab File: VL037683.D

Acq: 27 Sep 2021 16:43

Instrument :

MSVOA_L

ClientSampleId :

MID

Tgt Ion: 50 Resp: 31838

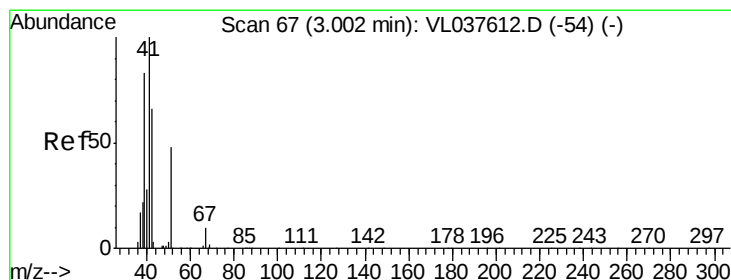
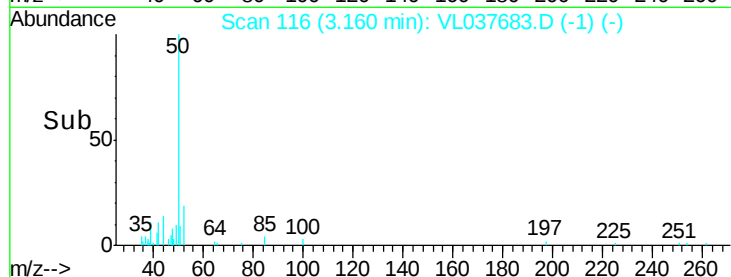
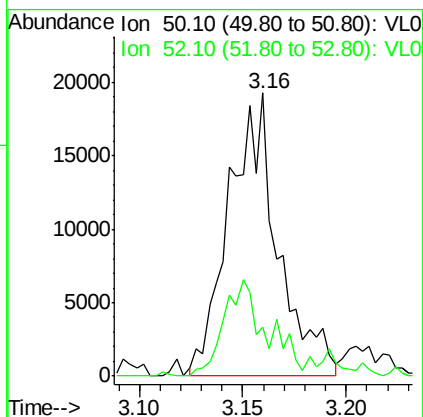
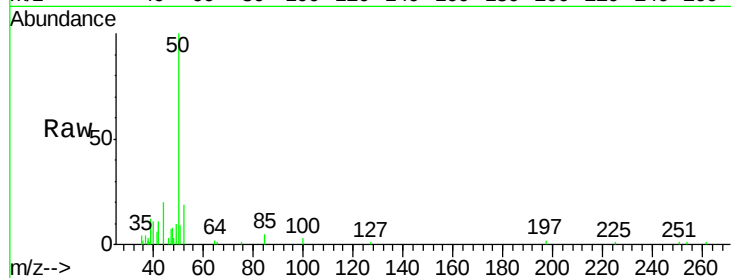
Ion Ratio Lower Upper

50 100

52 18.6 27.1 40.7#

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#9

Propene

Concen: 0.422 ppbv m

RT: 3.03 min Scan# 75

Delta R.T. 0.03 min

Lab File: VL037683.D

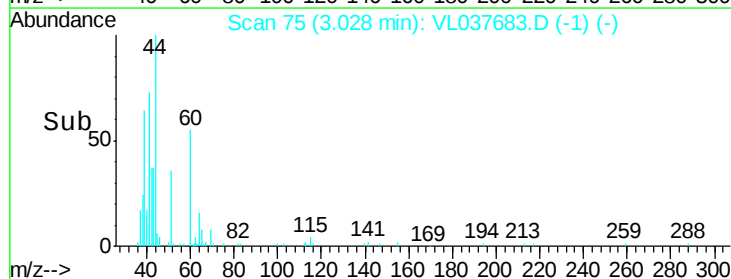
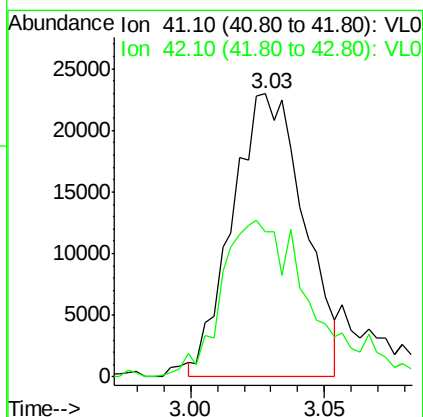
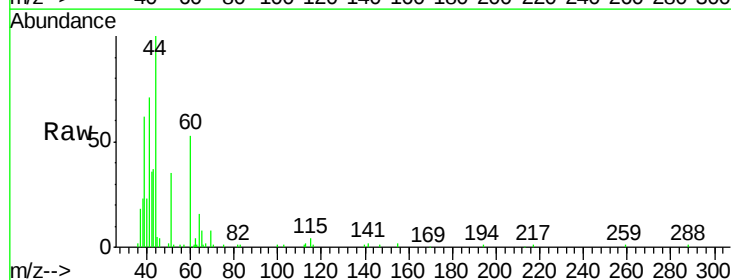
Acq: 27 Sep 2021 16:43

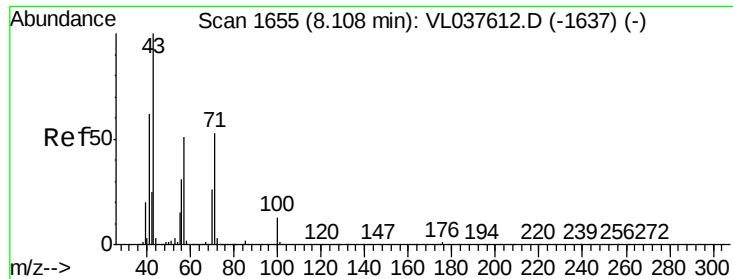
Tgt Ion: 41 Resp: 42742

Ion Ratio Lower Upper

41 100

42 71.0 57.2 85.8





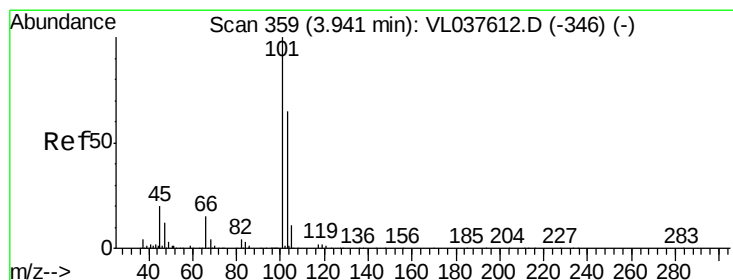
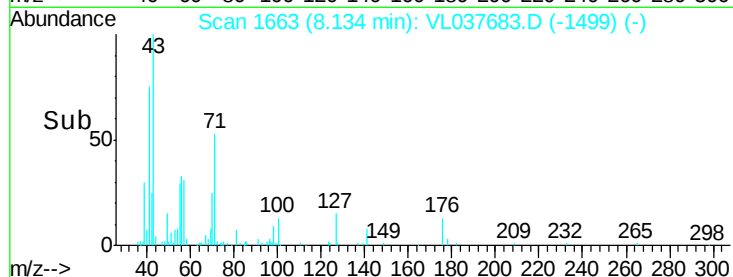
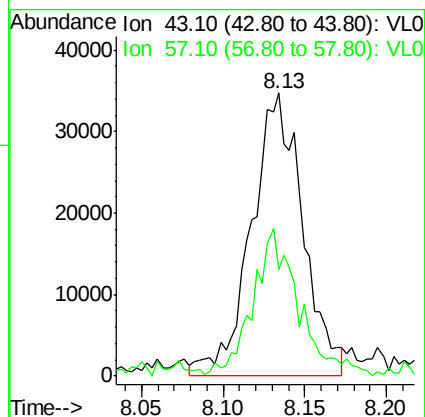
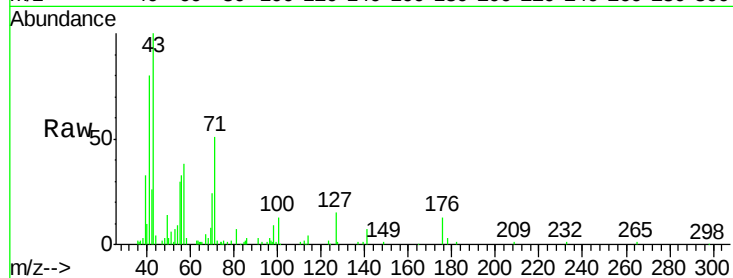
#10
 Heptane
 Concen: 0.321 ppbv m
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.03 min
 Lab File: VL037683.D
 Acq: 27 Sep 2021 16:43

Instrument :
 MSVOA_L
 ClientSampleId :
 MID

Tgt Ion: 43 Resp: 75851
 Ion Ratio Lower Upper
 43 100
 57 46.5 40.1 60.1

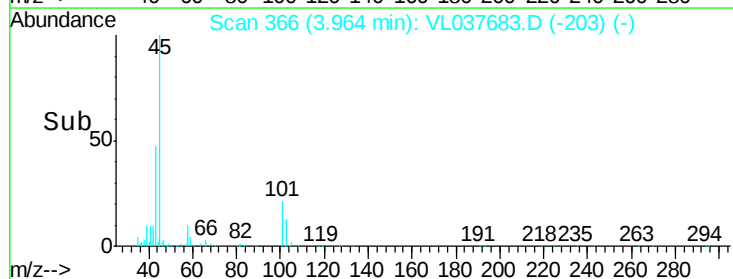
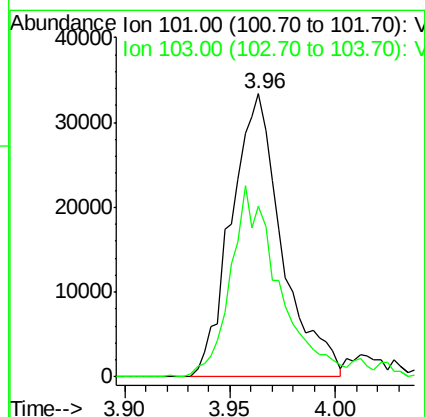
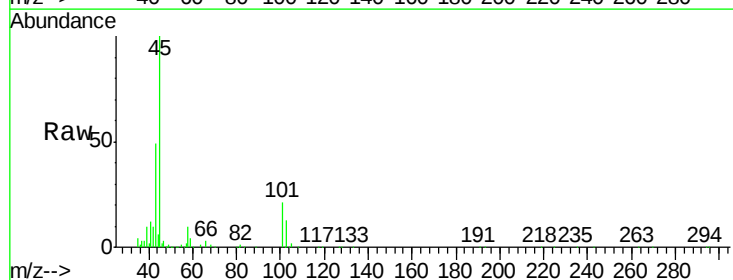
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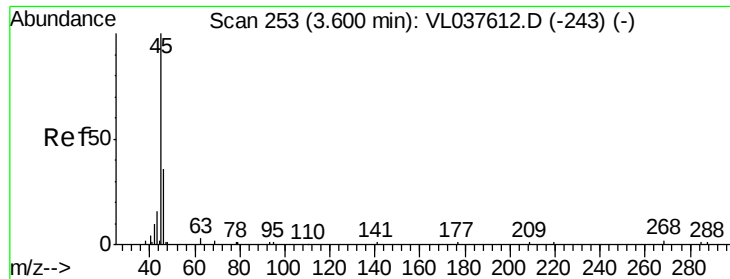
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#11
 Trichlorofluoromethane
 Concen: 0.252 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VL037683.D
 Acq: 27 Sep 2021 16:43

Tgt Ion: 101 Resp: 55786
 Ion Ratio Lower Upper
 101 100
 103 59.3 51.9 77.9





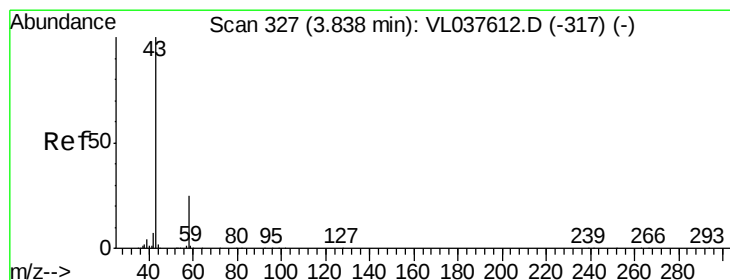
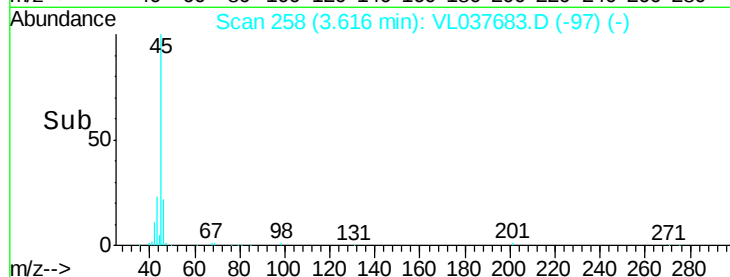
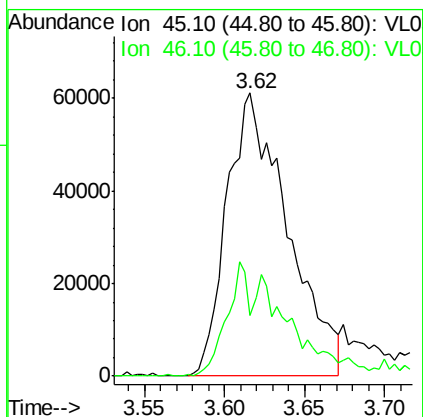
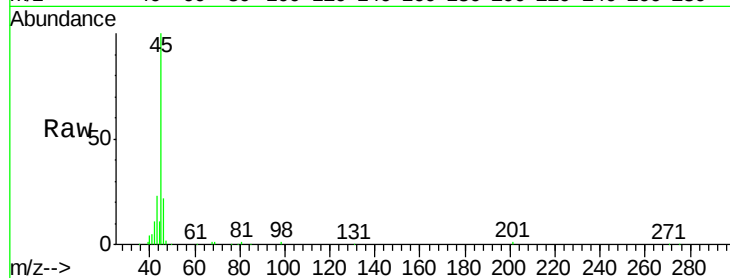
#13
Ethanol
Concen: 16.078 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL037683.D
Acq: 27 Sep 2021 16:43

Instrument :
MSVOA_L
ClientSampleId :
MID

Tgt Ion: 45 Resp: 159292
Ion Ratio Lower Upper
45 100
46 37.9 17.2 68.8

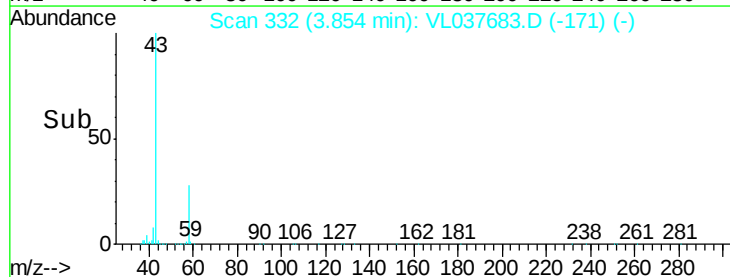
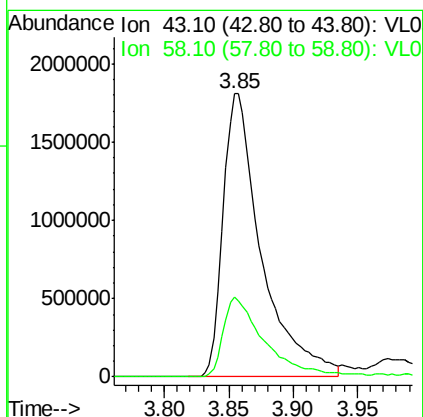
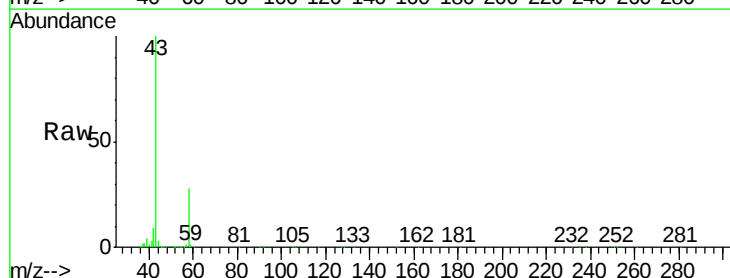
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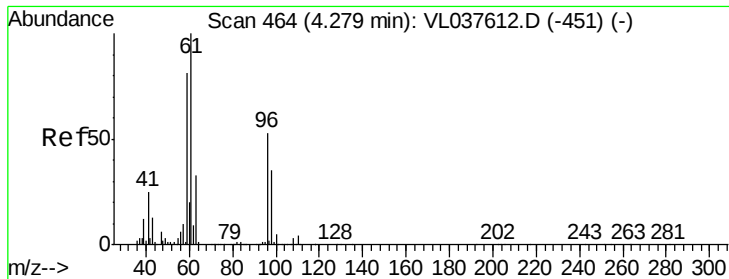
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#15
Acetone
Concen: 23.627 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL037683.D
Acq: 27 Sep 2021 16:43

Tgt Ion: 43 Resp: 3737119
Ion Ratio Lower Upper
43 100
58 30.7 24.9 37.3





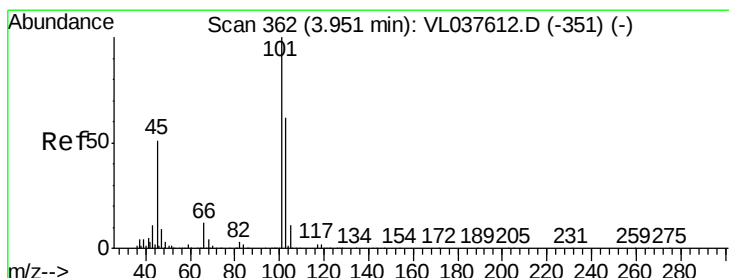
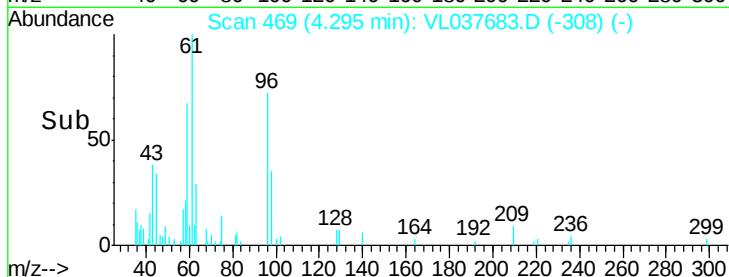
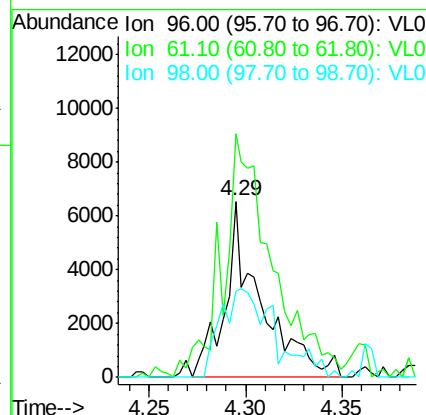
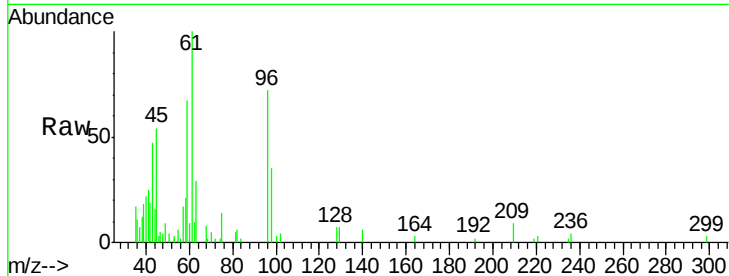
#18
 1,1-Dichloroethene
 Concen: 0.112 ppbv m
 RT: 4.29 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VL037683.D
 Acq: 27 Sep 2021 16:43

Instrument :
 MSVOA_L
 ClientSampleId :
 MID

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.2	150.4	225.6#
98	49.0	52.1	78.1#

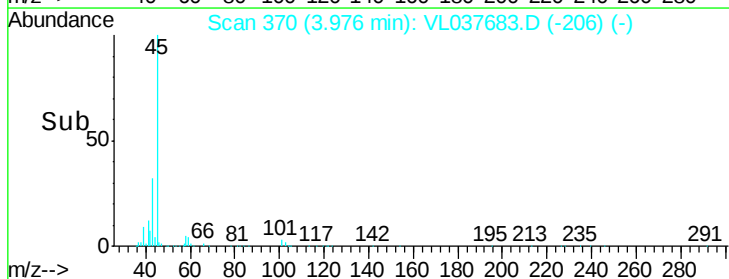
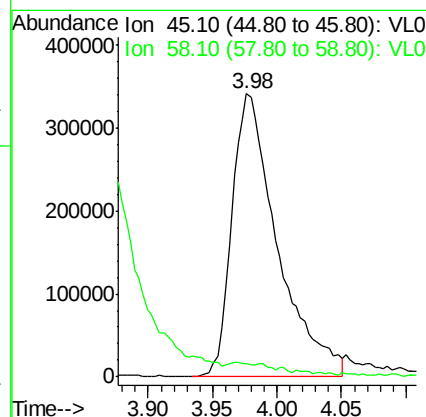
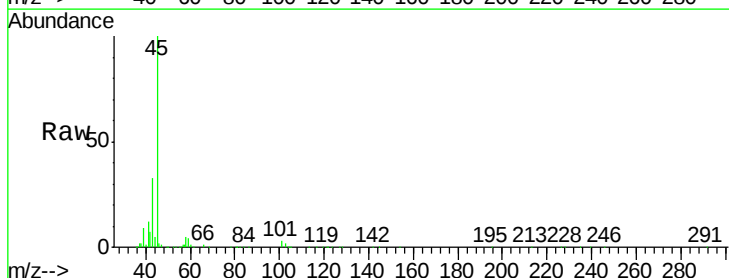
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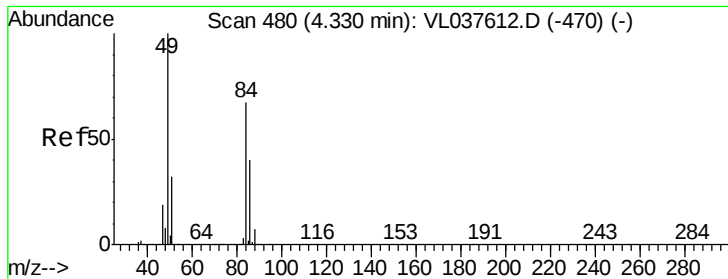
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#19
 Isopropyl Alcohol
 Concen: 9.623 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.03 min
 Lab File: VL037683.D
 Acq: 27 Sep 2021 16:43

Tgt Ion	Ratio	Lower	Upper
45	100		
58	6.1	2.9	4.3#





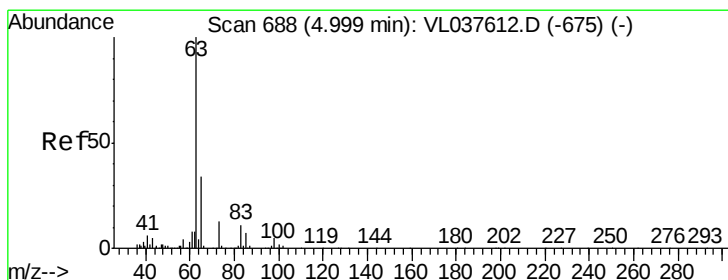
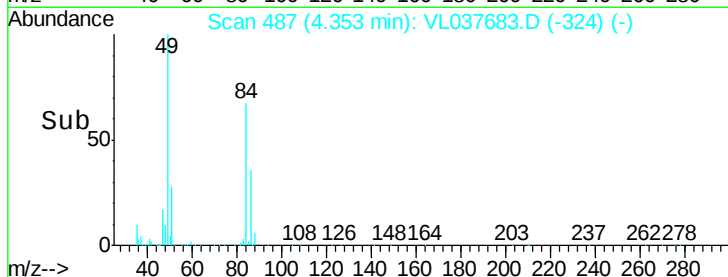
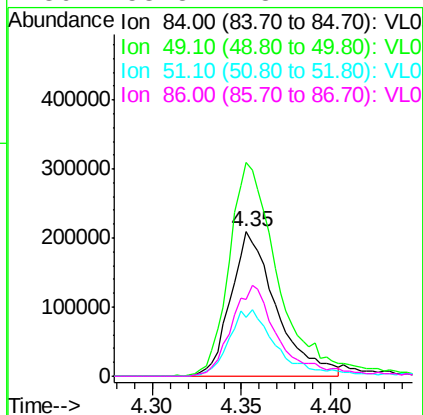
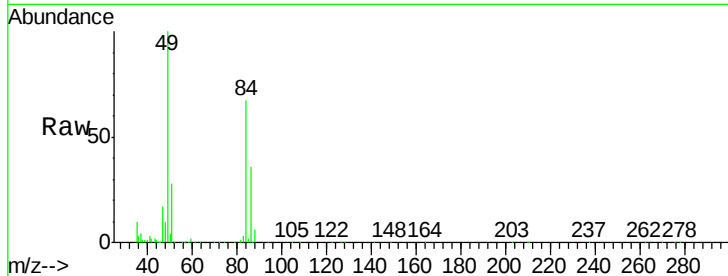
#20
Methylene Chloride
Concen: 4.923 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.02 min
Lab File: VL037683.D
Acq: 27 Sep 2021 16:43

Instrument :
MSVOA_L
ClientSampled :
MID

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.8	120.0	180.0
51	41.1	38.0	57.0
86	53.8	48.2	72.2

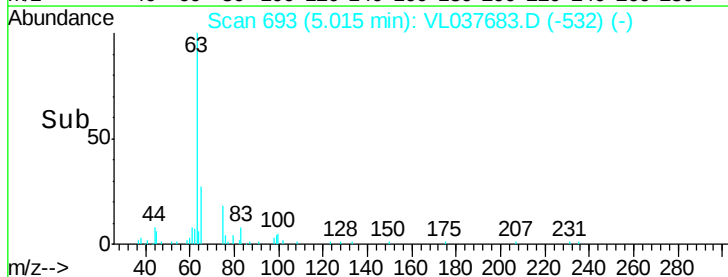
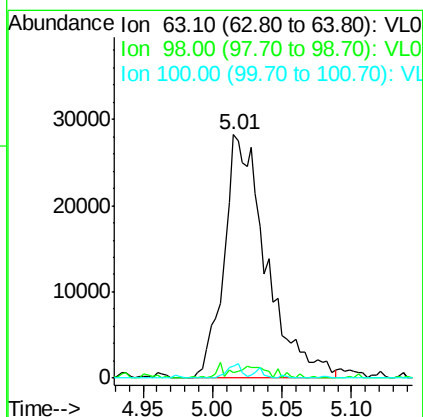
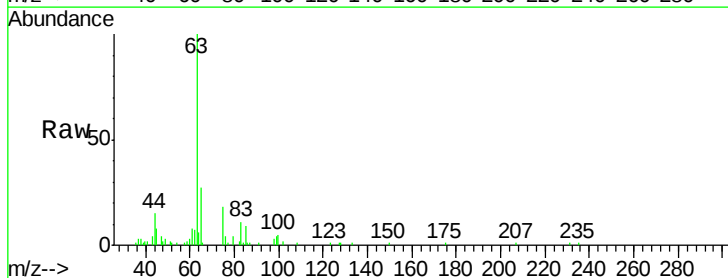
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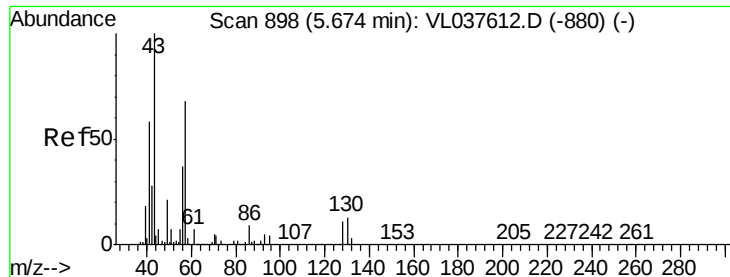
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#24
1,1-Dichloroethane
Concen: 0.383 ppbv m
RT: 5.01 min Scan# 693
Delta R.T. 0.02 min
Lab File: VL037683.D
Acq: 27 Sep 2021 16:43

Tgt Ion	Ratio	Lower	Upper
63	100		
98	2.5	2.4	7.2
100	4.7	1.1	3.5#





#26

Hexane

Concen: 1.920 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.02 min

Lab File: VL037683.D

Acq: 27 Sep 2021 16:43

Instrument :

MSVOA_L

ClientSampled :

MID

Tgt Ion: 57 Resp: 349440
Ion Ratio Lower Upper

57 100

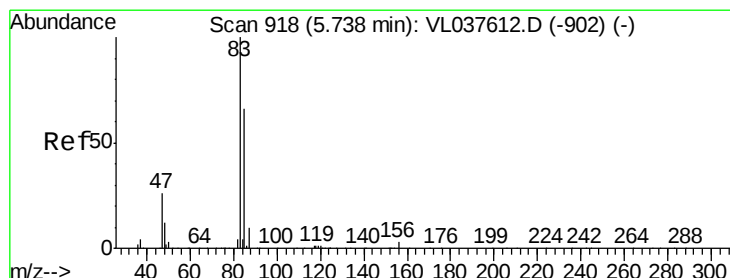
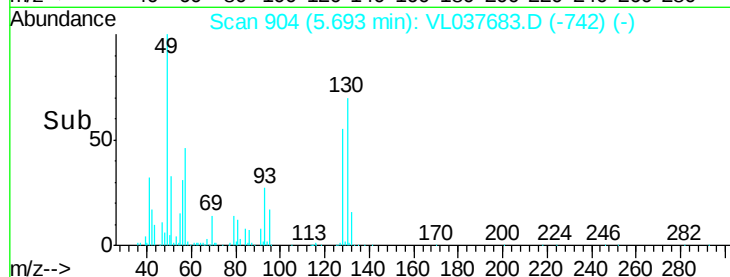
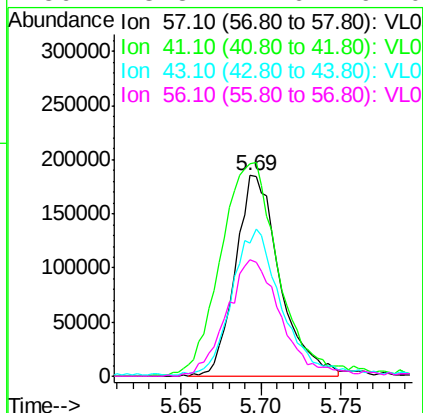
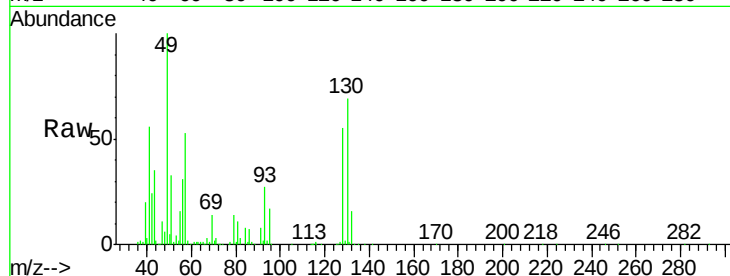
41 143.3 70.9 106.3#

43 82.9 170.4 255.6#

56 73.8 42.6 64.0#

Manual Integrations
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#29

Chloroform

Concen: 0.107 ppbv m

RT: 5.76 min Scan# 926

Delta R.T. 0.03 min

Lab File: VL037683.D

Acq: 27 Sep 2021 16:43

Tgt Ion: 83 Resp: 28466
Ion Ratio Lower Upper

83 100

85 57.1 52.6 79.0

