

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092721\
 Data File : VL037681.D
 Acq On : 27 Sep 2021 15:25
 Operator : SY/AP
 Sample : M3949-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18B

Manual Integrations
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 10/1/2021 11:04:59 AM

Quant Time: Sep 28 20:08:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	1545892	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4447081	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3820949	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2694070	9.76	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	40891	0.146	ppbv #	86
4) Chloromethane	3.15	50	53456m	0.496	ppbv	
9) Propene	3.02	41	65741m	0.639	ppbv	
11) Trichlorofluoromethane	3.96	101	44299	0.197	ppbv	96
13) Ethanol	3.61	45	2850294	283.308	ppbv	93
15) Acetone	3.86	43	1655022	10.304	ppbv	90
19) Isopropyl Alcohol	3.97	45	584195	6.685	ppbv	98
20) Methylene Chloride	4.35	84	2654191	34.614	ppbv	97
26) Hexane	5.69	57	3329677	18.019	ppbv #	46
29) Chloroform	5.76	83	93123m	0.345	ppbv	
34) 2-Butanone	5.26	43	86483	0.479	ppbv #	82
35) Carbon Tetrachloride	7.02	117	15313m	0.061	ppbv	
38) Trichloroethene	7.83	130	8331m	0.054	ppbv	
53) Toluene	9.82	91	64476m	0.156	ppbv	

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

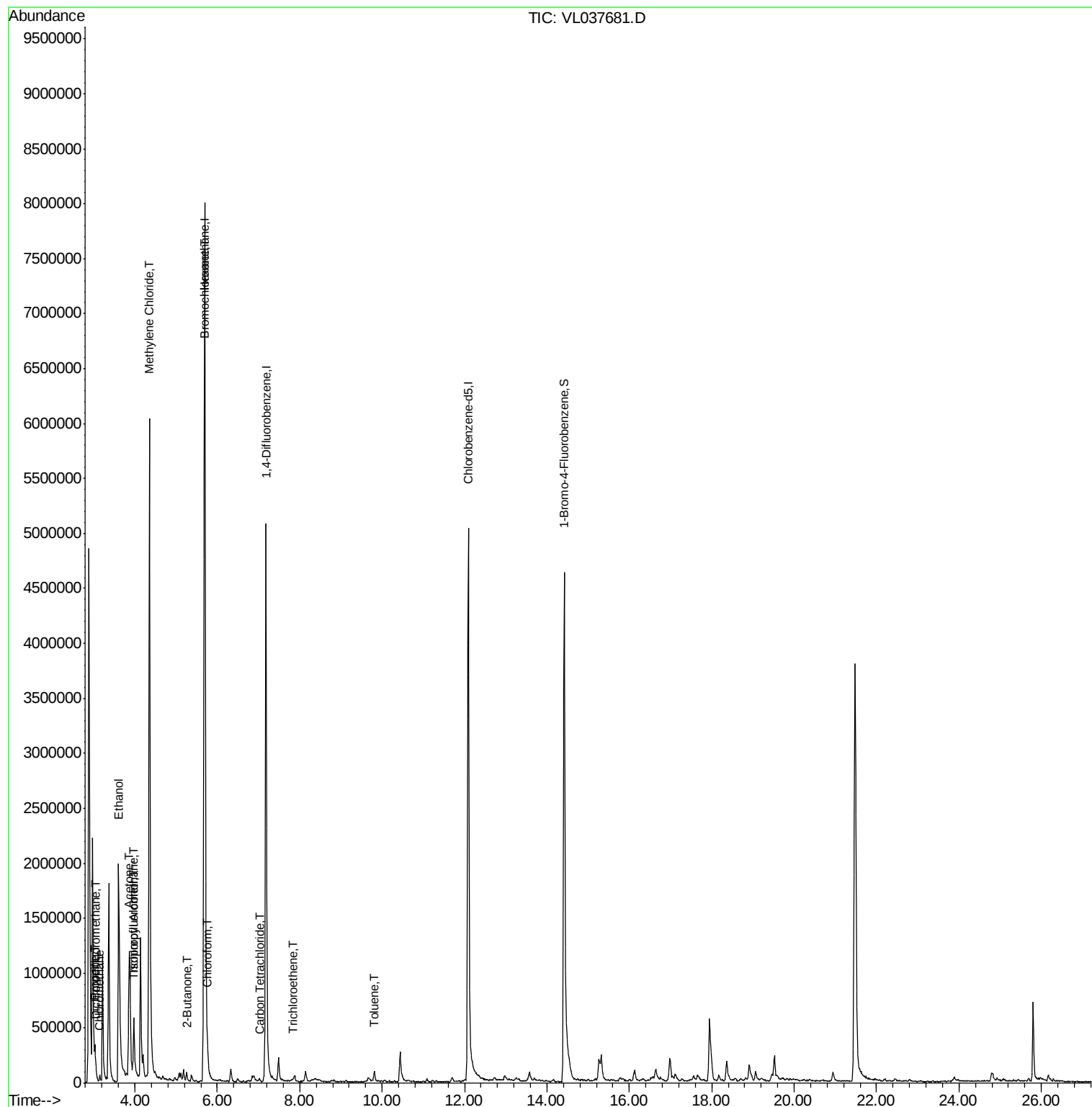
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092721\
Data File : VL037681.D
Acq On : 27 Sep 2021 15:25
Operator : SY/AP
Sample : M3949-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

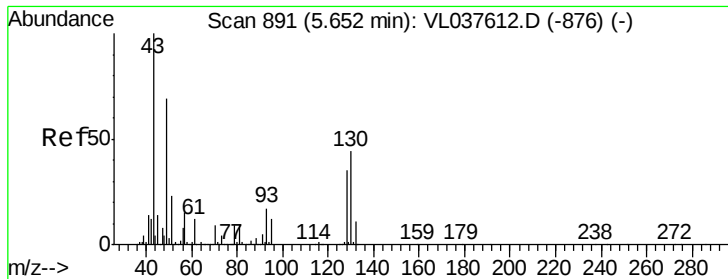
Instrument :
MSVOA_L
ClientSampleId :
IA-18B

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Quant Time: Sep 28 20:08:38 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

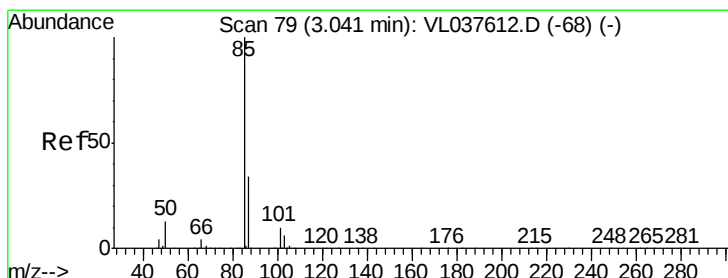
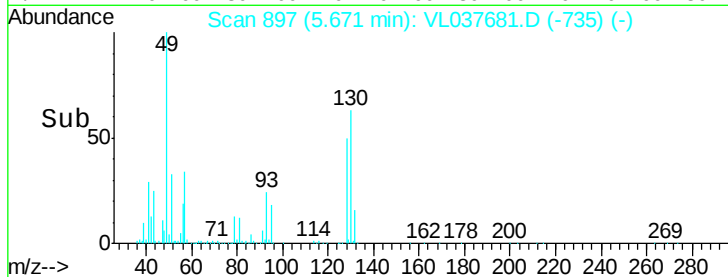
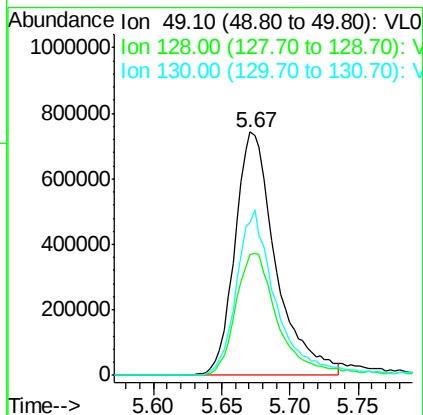
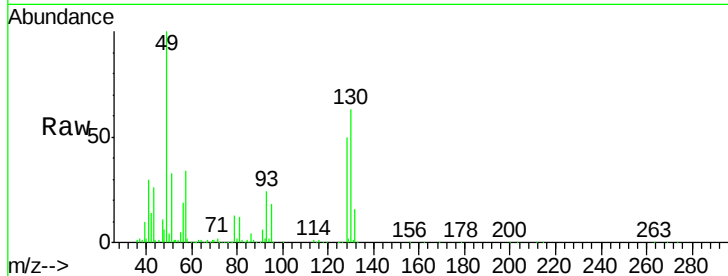
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.02 min
Lab File: VL037681.D
Acq: 27 Sep 2021 15:25

Instrument :
MSVOA_L
ClientSampled :
IA-18B

Tgt Ion: 49 Resp: 1545892
Ion Ratio Lower Upper
49 100
128 53.6 27.9 83.6
130 67.8 33.9 101.7

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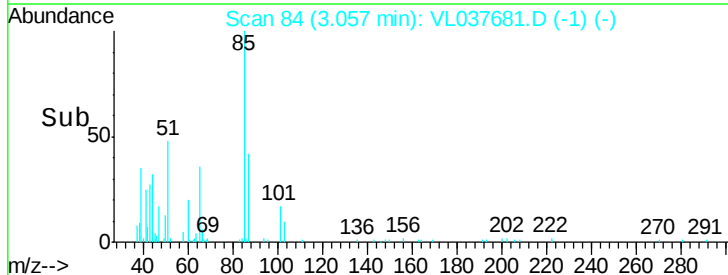
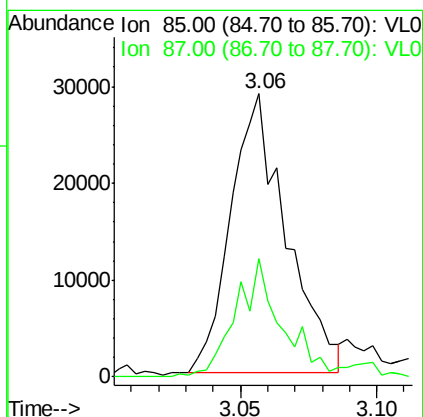
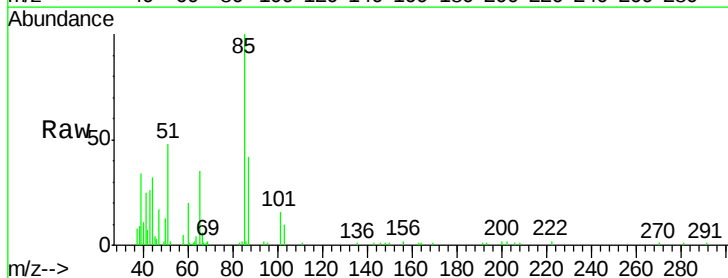
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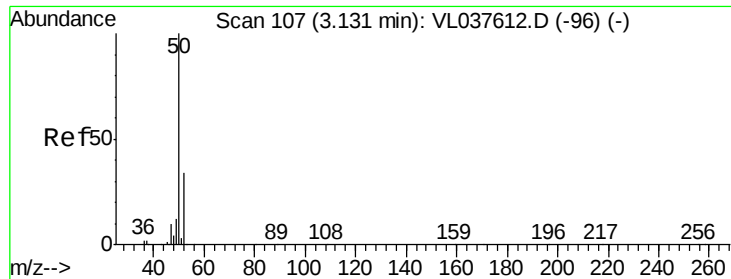


#2

Dichlorodifluoromethane
Concen: 0.146 ppbv
RT: 3.06 min Scan# 84
Delta R.T. 0.02 min
Lab File: VL037681.D
Acq: 27 Sep 2021 15:25

Tgt Ion: 85 Resp: 40891
Ion Ratio Lower Upper
85 100
87 41.4 26.8 40.2#





#4

Chloromethane

Concen: 0.496 ppbv m

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL037681.D

Acq: 27 Sep 2021 15:25

Instrument :

MSVOA_L

ClientSampleId :

IA-18B

Tgt Ion: 50 Resp: 53456

Ion Ratio Lower Upper

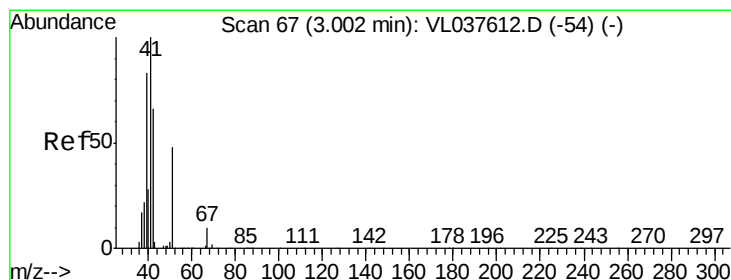
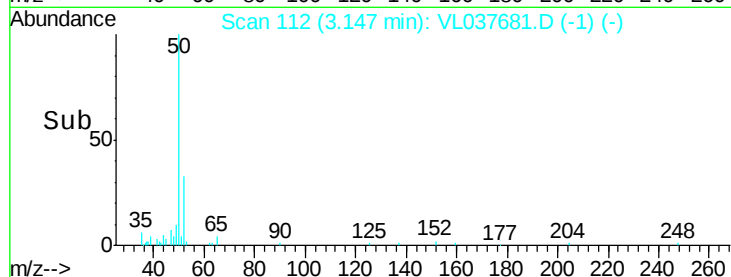
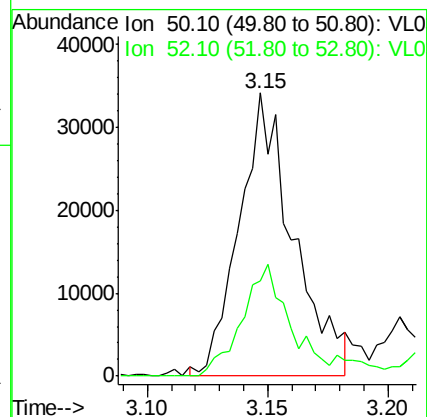
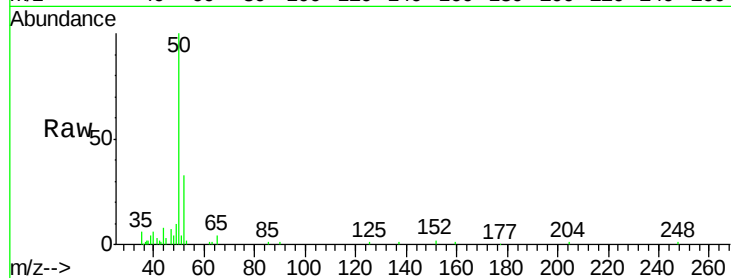
50 100

52 33.5 27.1 40.7

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#9

Propene

Concen: 0.639 ppbv m

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL037681.D

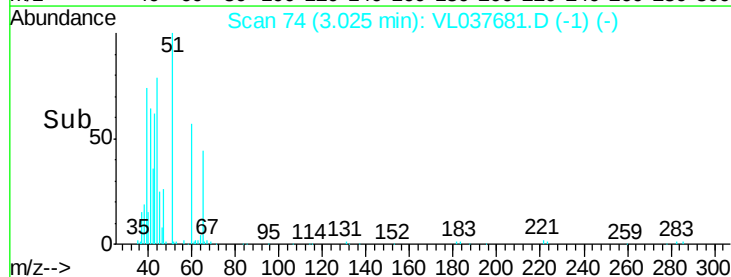
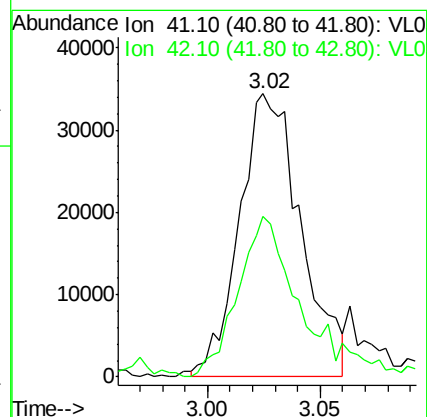
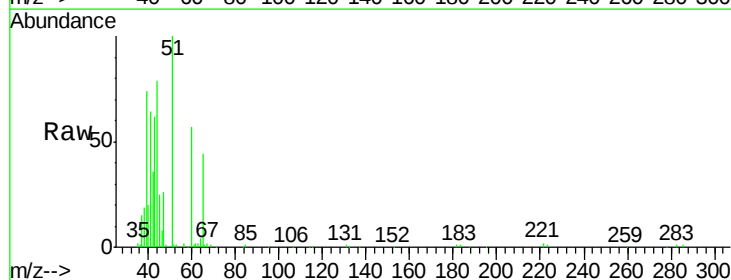
Acq: 27 Sep 2021 15:25

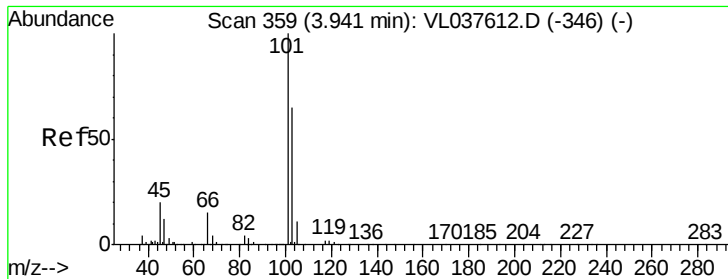
Tgt Ion: 41 Resp: 65741

Ion Ratio Lower Upper

41 100

42 59.6 57.2 85.8





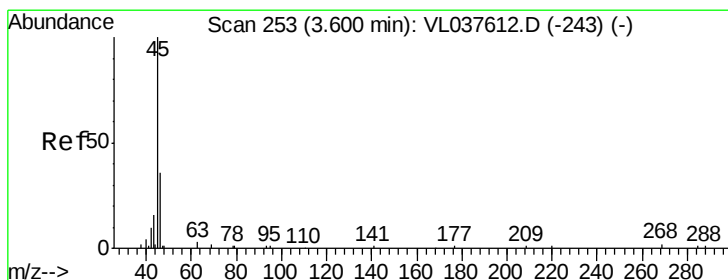
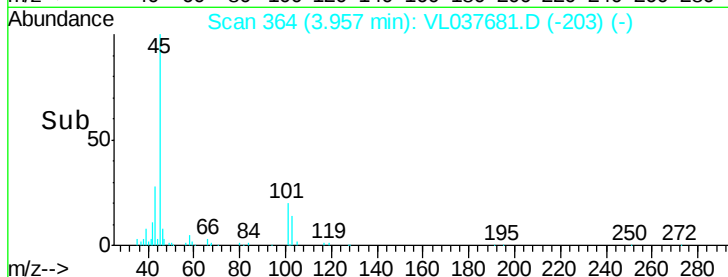
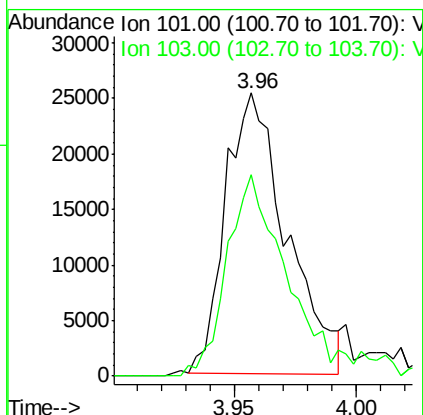
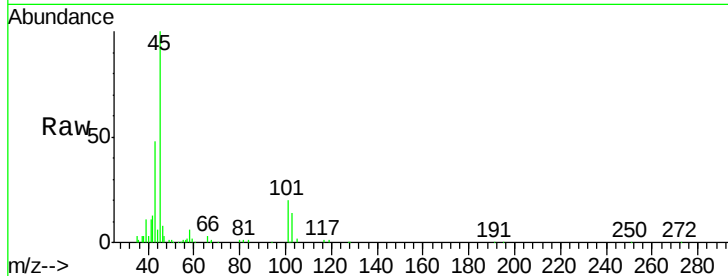
#11
Trichlorofluoromethane
Concen: 0.197 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.02 min
Lab File: VL037681.D
Acq: 27 Sep 2021 15:25

Instrument :
MSVOA_L
ClientSampled :
IA-18B

Tgt Ion: 101 Resp: 44299
Ion Ratio Lower Upper
101 100
103 68.0 51.9 77.9

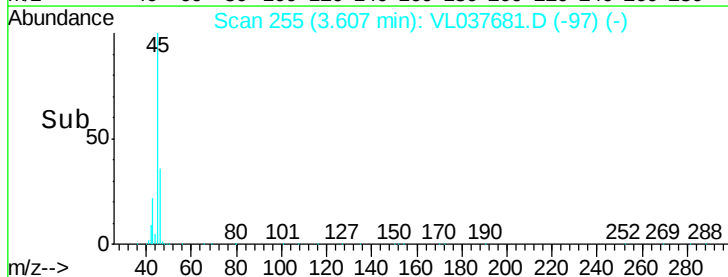
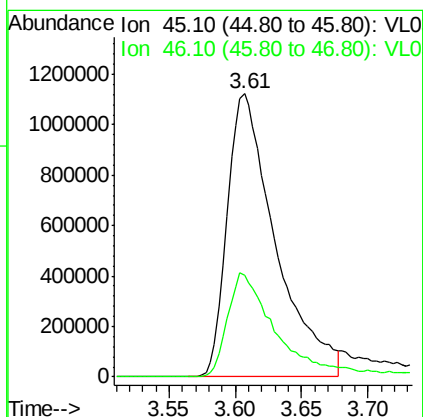
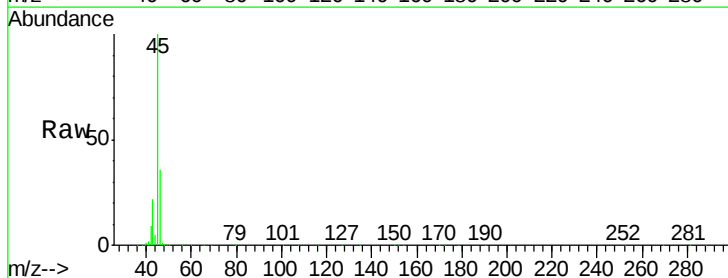
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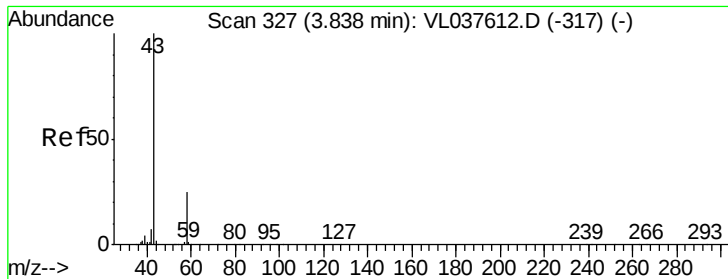
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#13
Ethanol
Concen: 283.308 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL037681.D
Acq: 27 Sep 2021 15:25

Tgt Ion: 45 Resp: 2850294
Ion Ratio Lower Upper
45 100
46 38.3 17.2 68.8





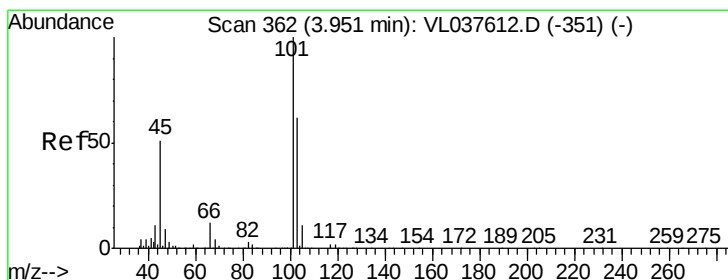
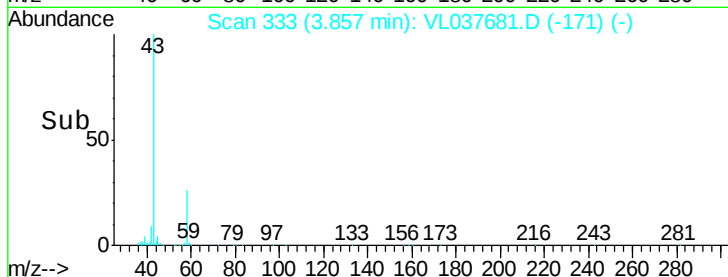
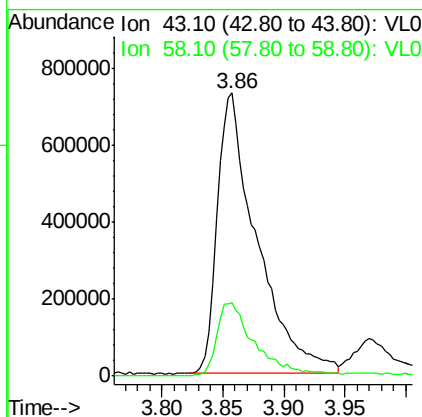
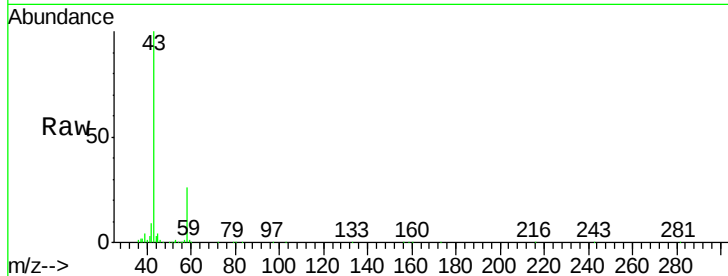
#15
Acetone
Concen: 10.304 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037681.D
Acq: 27 Sep 2021 15:25

Instrument :
MSVOA_L
ClientSampleId :
IA-18B

Tgt Ion: 43 Resp: 1655022
Ion Ratio Lower Upper
43 100
58 25.7 24.9 37.3

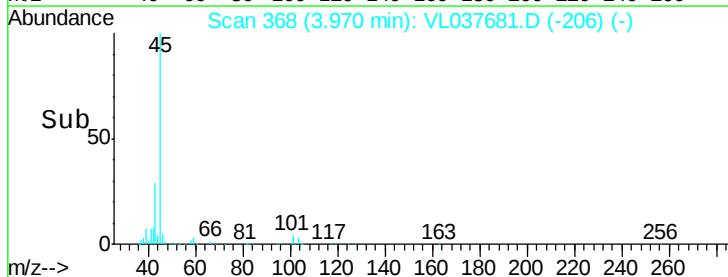
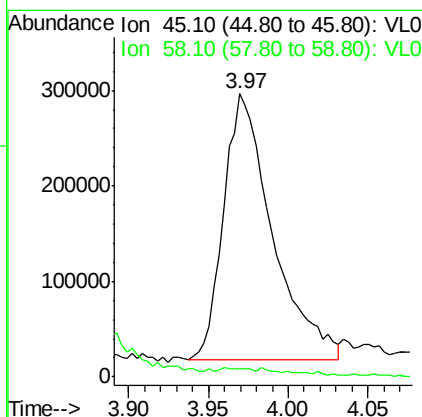
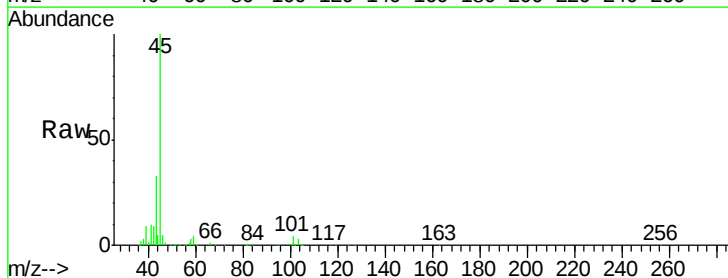
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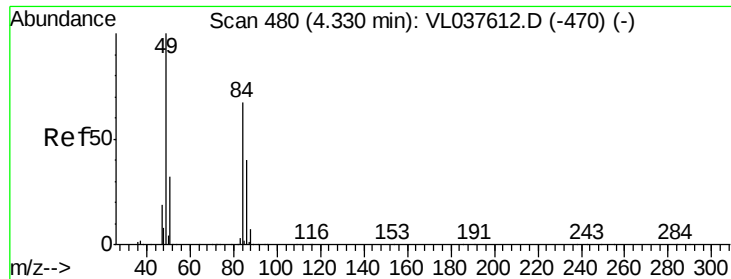
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#19
Isopropyl Alcohol
Concen: 6.685 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.02 min
Lab File: VL037681.D
Acq: 27 Sep 2021 15:25

Tgt Ion: 45 Resp: 584195
Ion Ratio Lower Upper
45 100
58 4.3 2.9 4.3





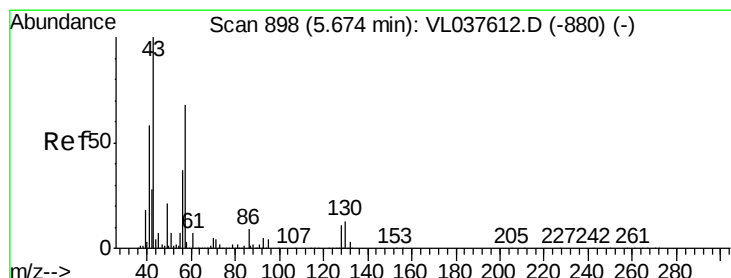
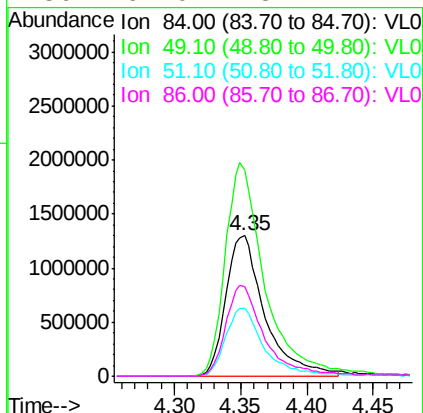
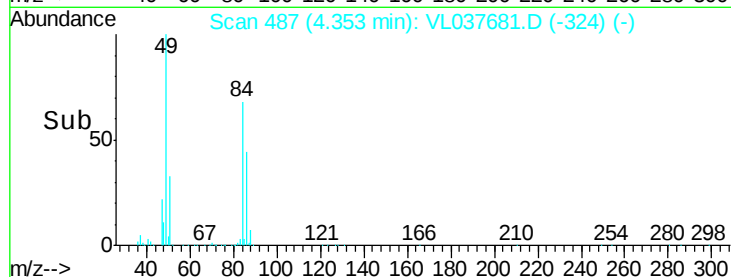
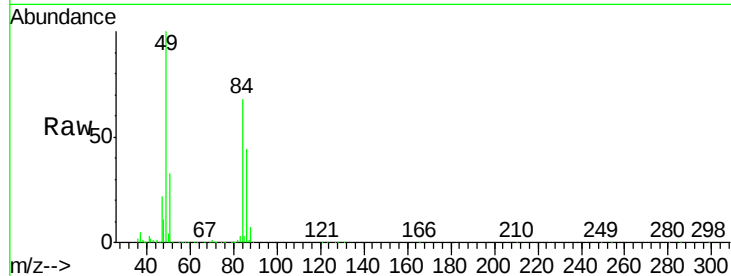
#20
Methylene Chloride
Concen: 34.614 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.02 min
Lab File: VL037681.D
Acq: 27 Sep 2021 15:25

Instrument :
MSVOA_L
ClientSampleId :
IA-18B

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.4	120.0	180.0
51	48.2	38.0	57.0
86	64.0	48.2	72.2

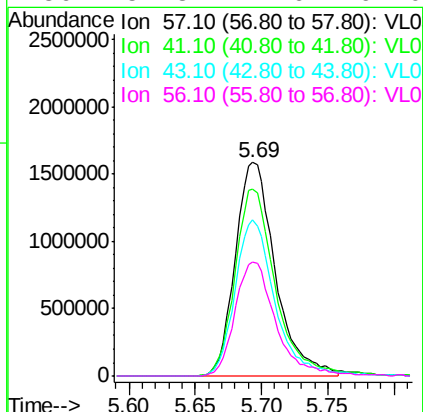
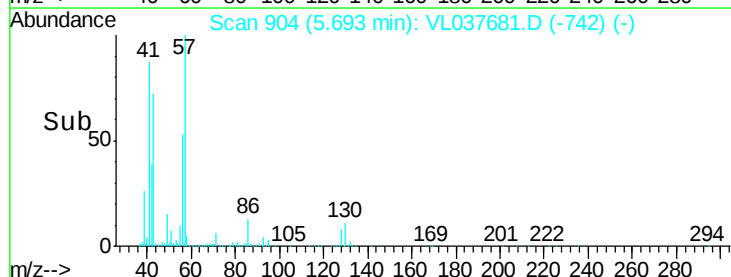
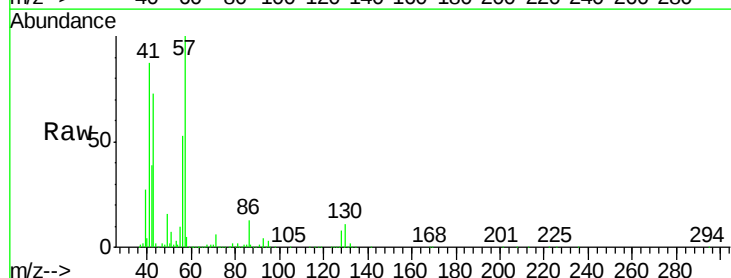
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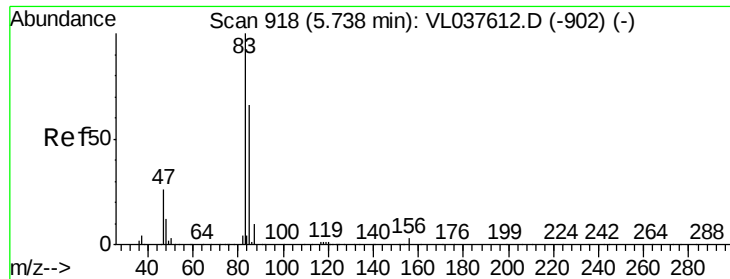
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#26
Hexane
Concen: 18.019 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL037681.D
Acq: 27 Sep 2021 15:25

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.4	70.9	106.3
43	73.3	170.4	255.6#
56	54.8	42.6	64.0





#29

Chloroform

Concen: 0.345 ppbv m

RT: 5.76 min Scan# 925

Delta R.T. 0.02 min

Lab File: VL037681.D

Acq: 27 Sep 2021 15:25

Instrument :

MSVOA_L

ClientSampleId :

IA-18B

Tgt Ion: 83 Resp: 93123

Ion Ratio Lower Upper

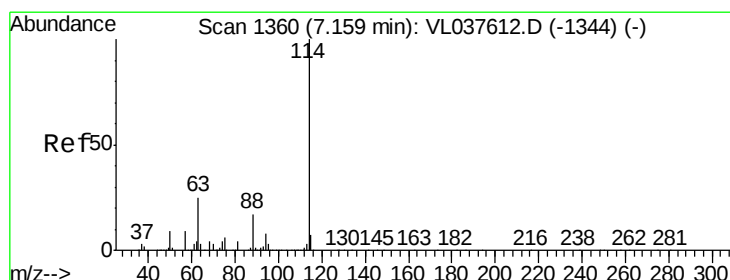
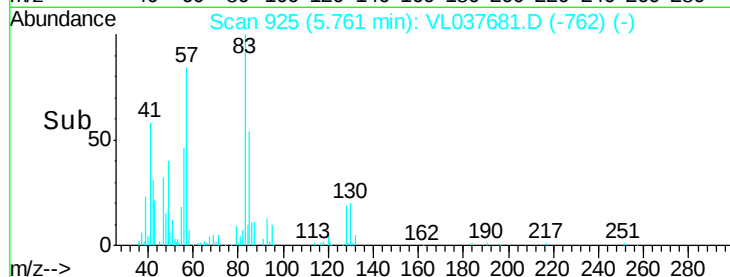
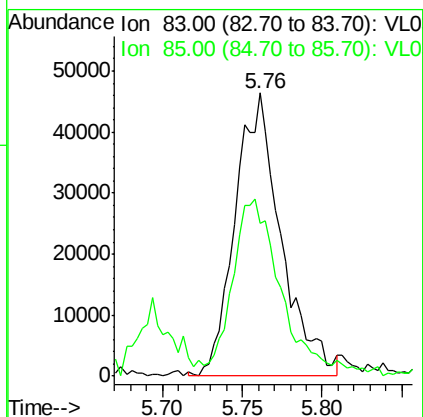
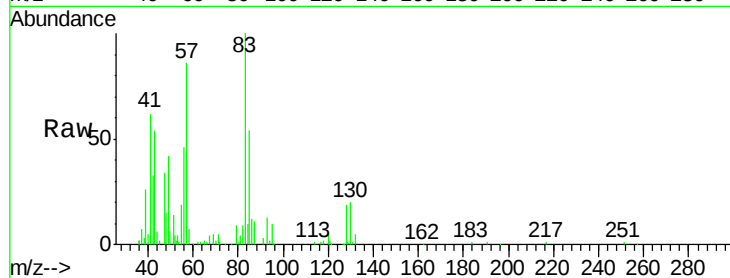
83 100

85 54.0 52.6 79.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.02 min

Lab File: VL037681.D

Acq: 27 Sep 2021 15:25

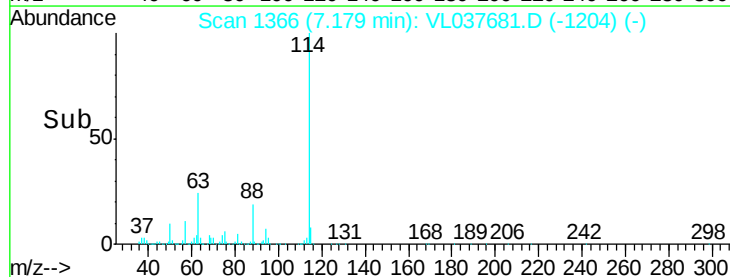
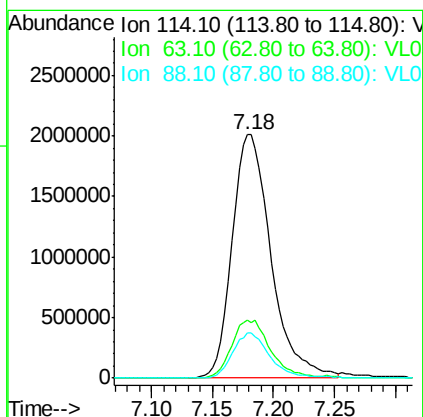
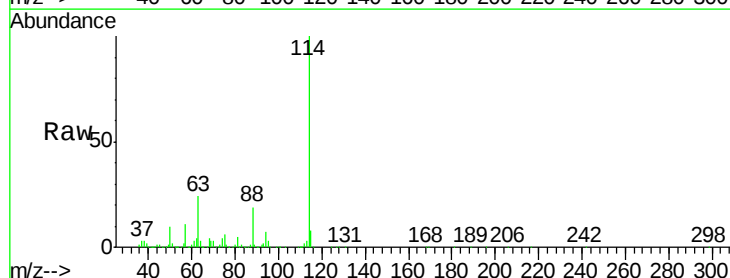
Tgt Ion: 114 Resp: 4447081

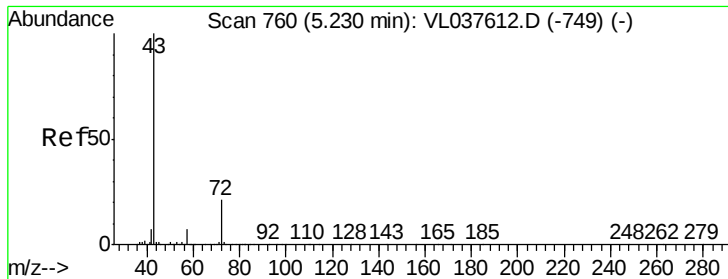
Ion Ratio Lower Upper

114 100

63 24.2 19.6 29.4

88 18.1 14.2 21.4





#34

2-Butanone

Concen: 0.479 ppbv

RT: 5.26 min Scan# 768

Delta R.T. 0.03 min

Lab File: VL037681.D

Acq: 27 Sep 2021 15:25

Instrument :

MSVOA_L

ClientSampled :

IA-18B

Tgt Ion: 43 Resp: 86483

Ion Ratio Lower Upper

43 100

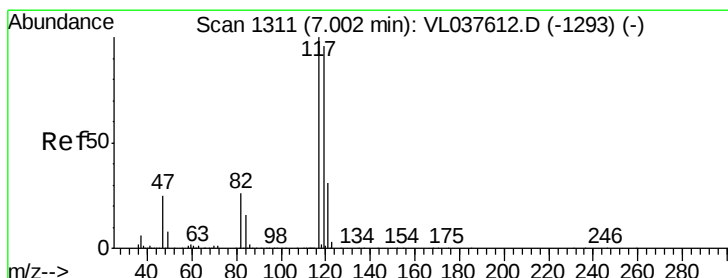
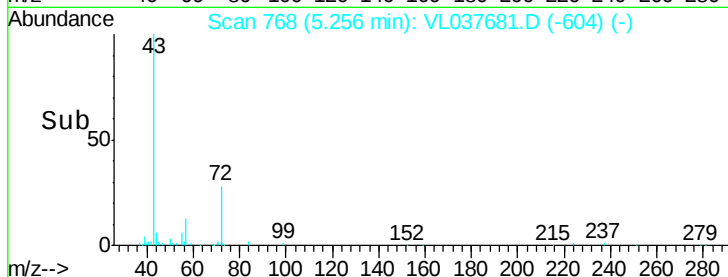
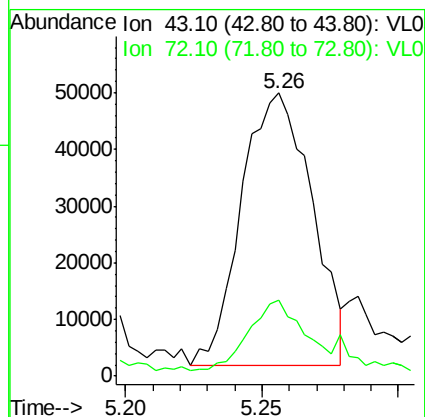
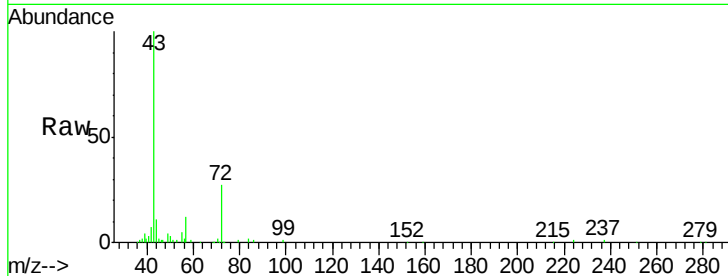
72 31.9 18.4 27.6#

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#35

Carbon Tetrachloride

Concen: 0.061 ppbv m

RT: 7.02 min Scan# 1318

Delta R.T. 0.02 min

Lab File: VL037681.D

Acq: 27 Sep 2021 15:25

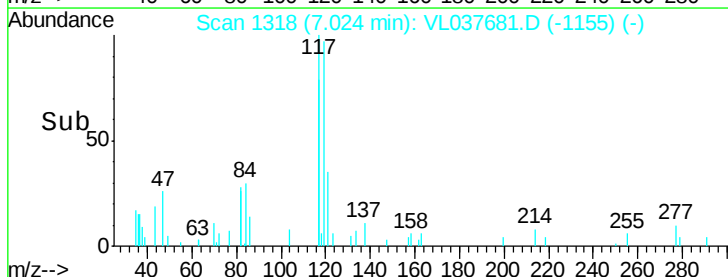
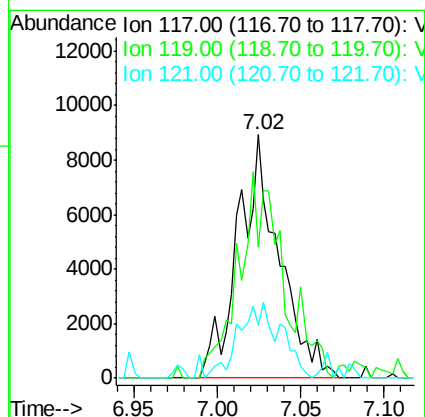
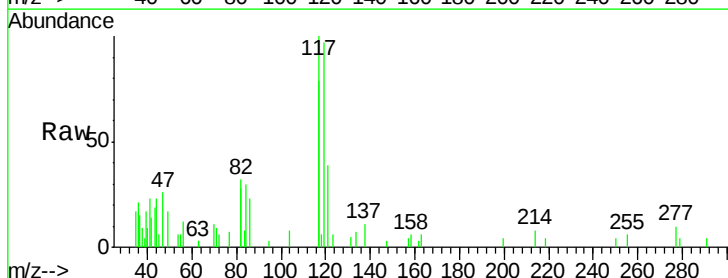
Tgt Ion: 117 Resp: 15313

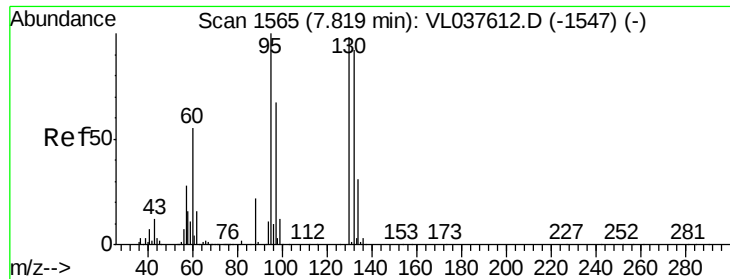
Ion Ratio Lower Upper

117 100

119 96.5 77.0 115.6

121 39.3 24.5 36.7#





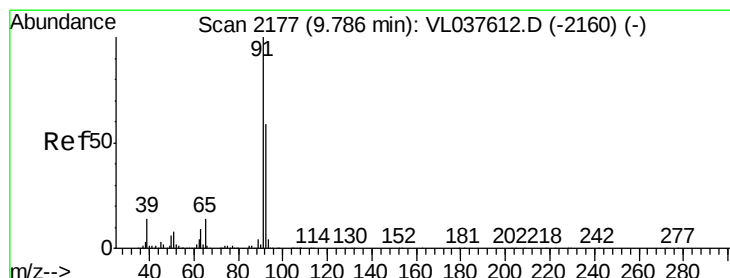
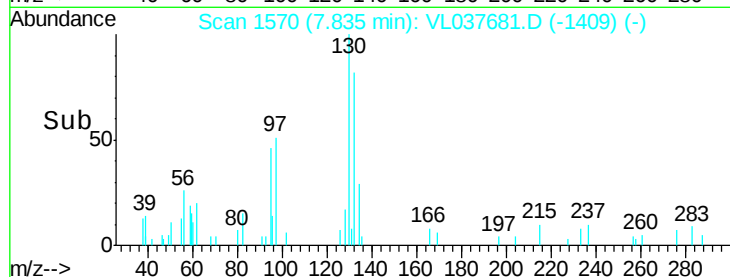
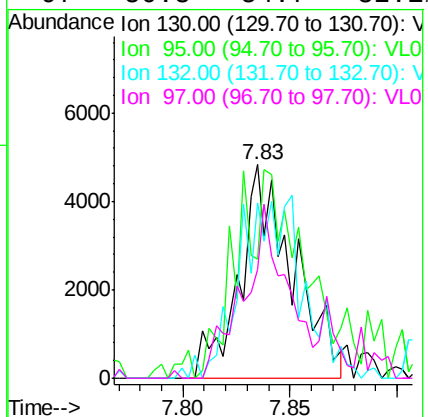
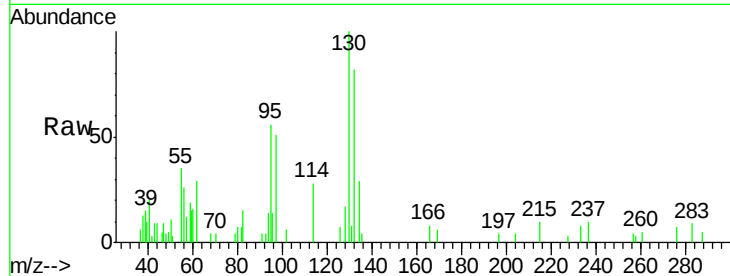
#38
 Trichloroethene
 Concen: 0.054 ppbv m
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.02 min
 Lab File: VL037681.D
 Acq: 27 Sep 2021 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18B

Tgt Ion	Ratio	Lower	Upper
130	100		
95	55.8	81.8	122.6#
132	82.0	75.3	112.9
97	50.8	54.7	82.1#

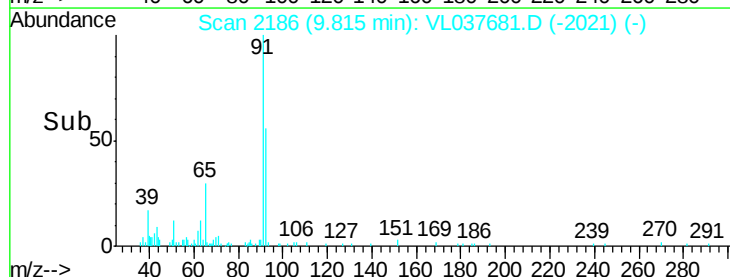
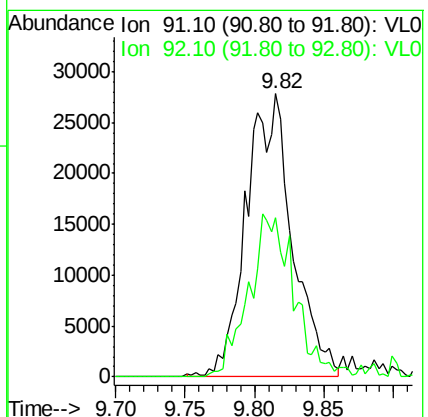
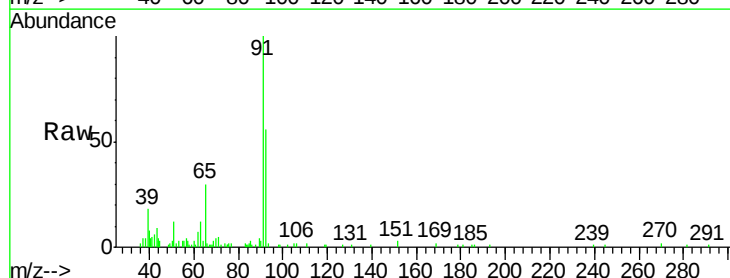
Manual Integrations
 APPROVED

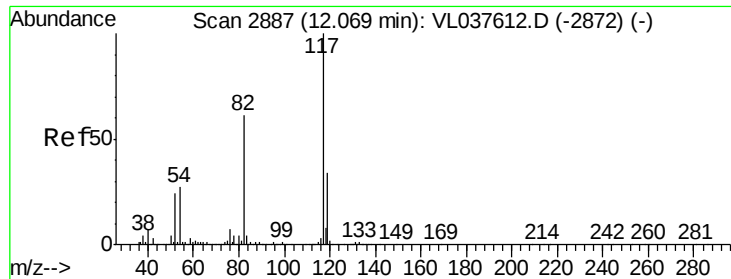
MMDadoda
 10/1/2021 11:04:59 AM



#53
 Toluene
 Concen: 0.156 ppbv m
 RT: 9.82 min Scan# 2186
 Delta R.T. 0.03 min
 Lab File: VL037681.D
 Acq: 27 Sep 2021 15:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.9	73.3#





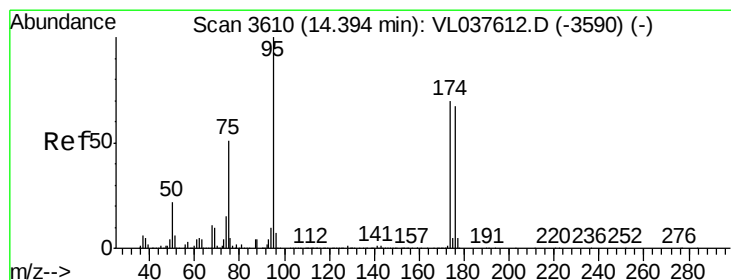
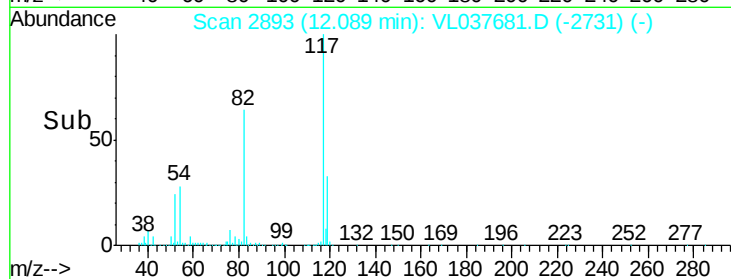
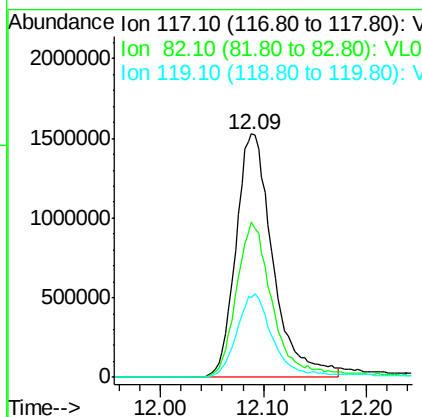
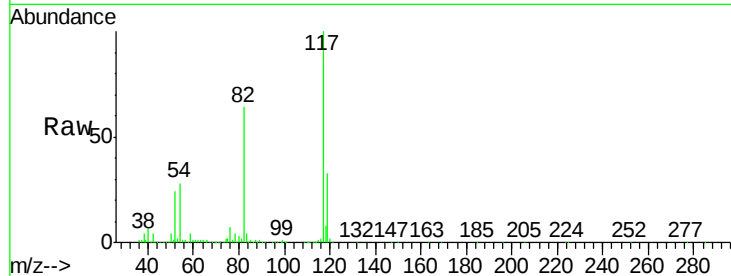
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.02 min
Lab File: VL037681.D
Acq: 27 Sep 2021 15:25

Instrument :
MSVOA_L
ClientSampled :
IA-18B

Tgt Ion: 117 Resp: 3820949
Ion Ratio Lower Upper
117 100
82 64.7 50.6 75.8
119 34.5 26.2 39.2

Manual Integrations
APPROVED

MMDadoda
10/1/2021 11:04:59 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.756 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. 0.03 min
Lab File: VL037681.D
Acq: 27 Sep 2021 15:25

Tgt Ion: 95 Resp: 2694070
Ion Ratio Lower Upper
95 100
174 74.7 56.3 84.5
175 5.2 4.4 6.6

