

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
 Data File : VL037793.D
 Acq On : 6 Oct 2021 3:45
 Operator : SY/AP
 Sample : M4012-16DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P11DL

Manual Integrations
 APPROVED

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 10/11/2021 7:36:49 PM

Quant Time: Oct 06 06:42:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Oct 0
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1169426	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3489439	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	2979758	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2022050	9.70	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.59	45	43940	6.499	ppbv	97
15) Acetone	3.84	43	102215m	0.974	ppbv	
19) Isopropyl Alcohol	3.95	45	643457	9.852	ppbv #	96
20) Methylene Chloride	4.33	84	23195	0.437	ppbv #	74
52) Tetrachloroethene	11.19	164	247967	2.138	ppbv	94
53) Toluene	9.78	91	32829m	0.099	ppbv	
75) 1,3-Dichlorobenzene	16.96	146	46602m	0.211	ppbv	

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

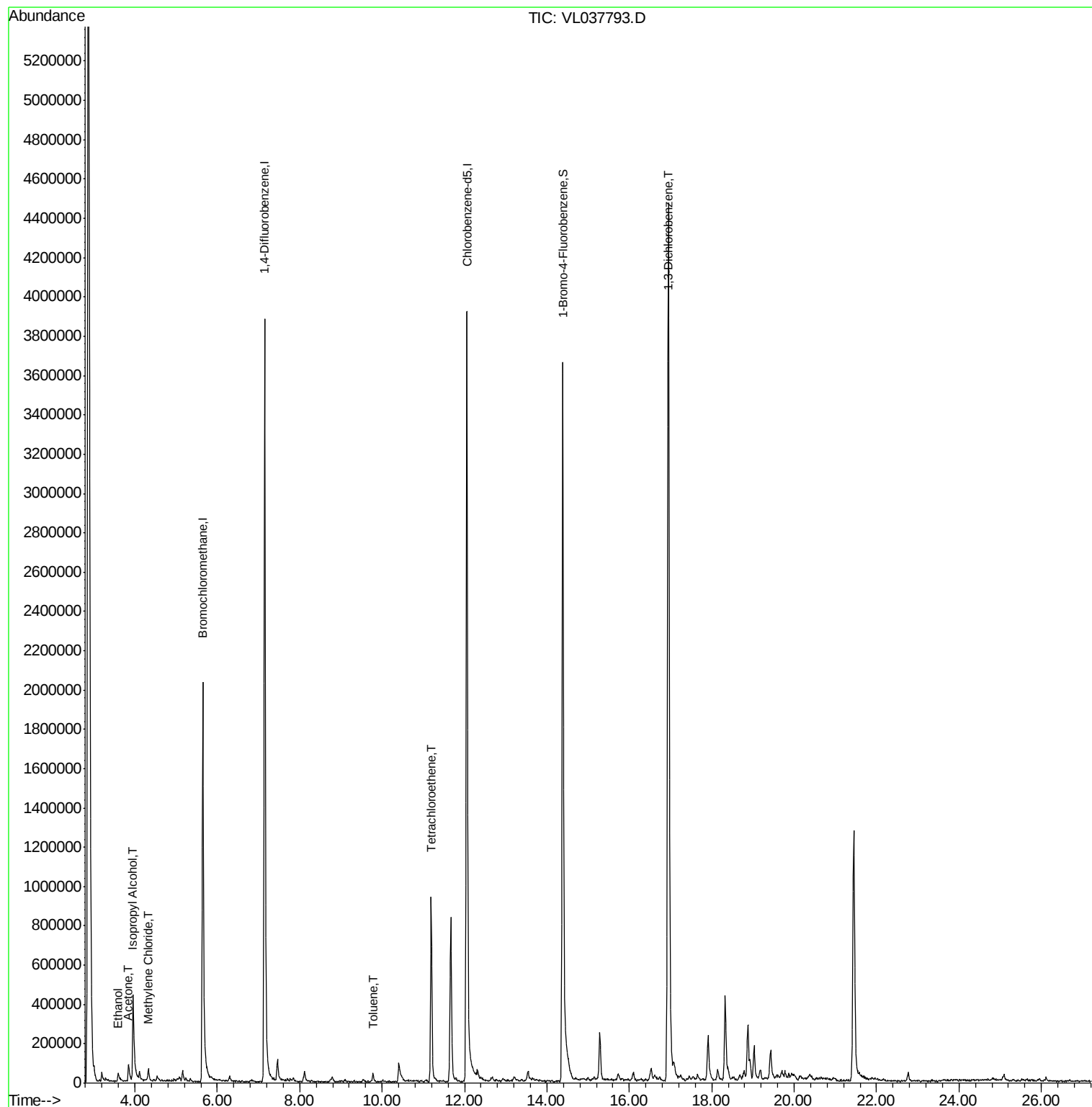
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Data File : VL037793.D
Acq On : 6 Oct 2021 3:45
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Sample : M4012-16DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

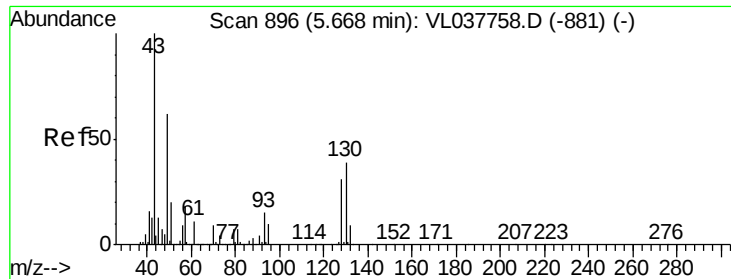
Instrument :
MSVOA_L
ClientSampleID :
C0P11DL

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10/11/2021 7:36:49 PM

Quant Time: Oct 06 06:42:05 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

Lab File: VL037793.D

Acq: 6 Oct 2021 3:45

Instrument :

MSVOA_L

ClientSampleId :

C0P11DL

Tgt Ion: 49 Resp: 1169426

Ion Ratio Lower Upper

49 100

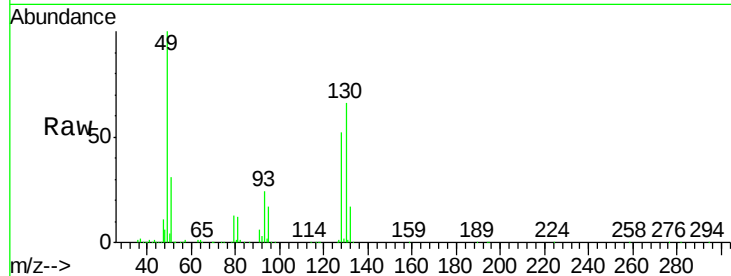
128 54.0 27.1 81.3

130 69.3 33.2 99.6

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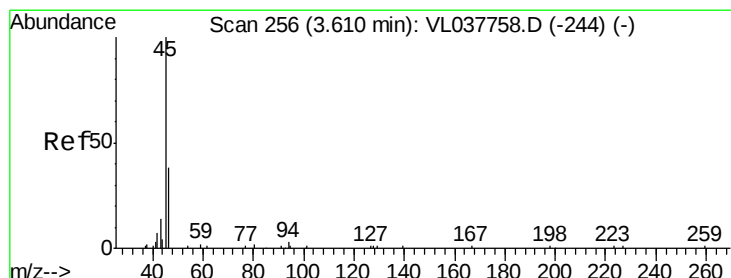
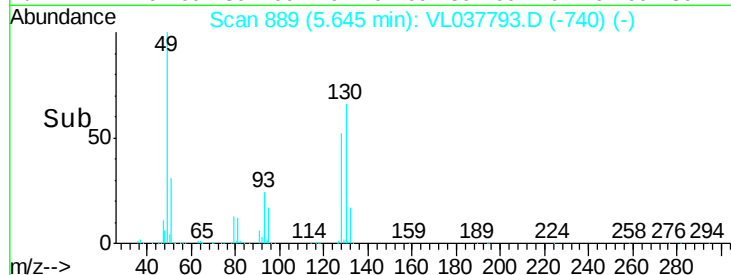
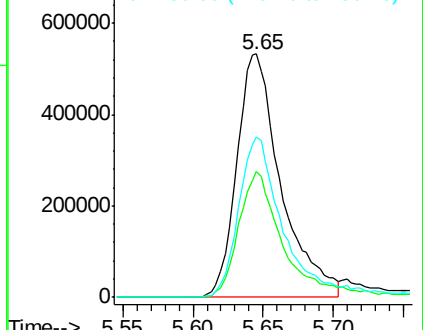
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 6.499 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.02 min

Lab File: VL037793.D

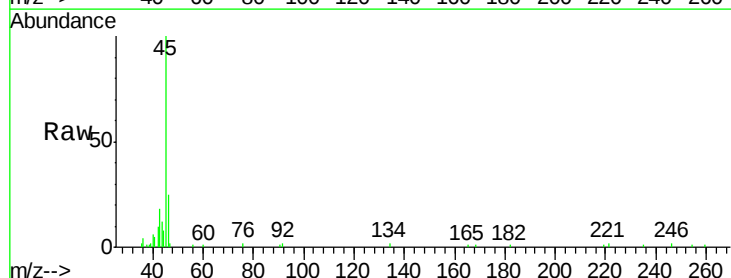
Acq: 6 Oct 2021 3:45

Tgt Ion: 45 Resp: 43940

Ion Ratio Lower Upper

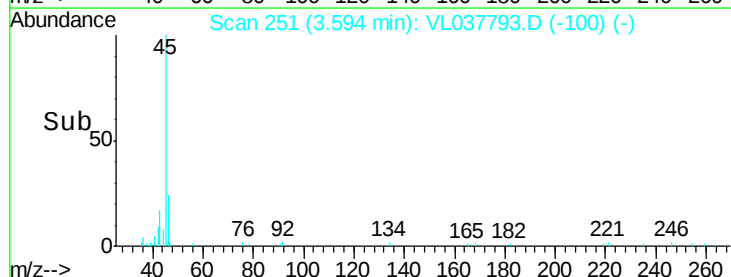
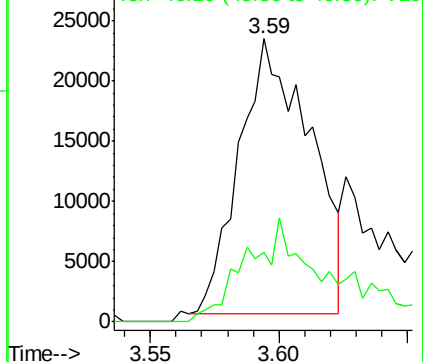
45 100

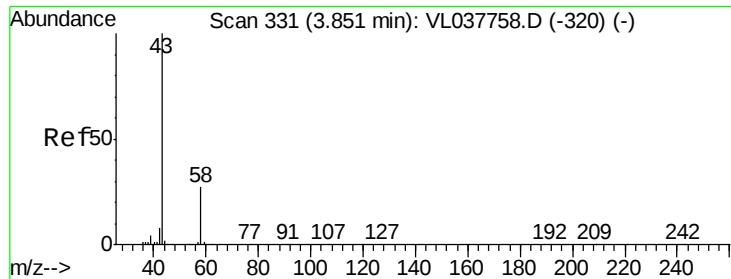
46 48.6 20.2 81.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





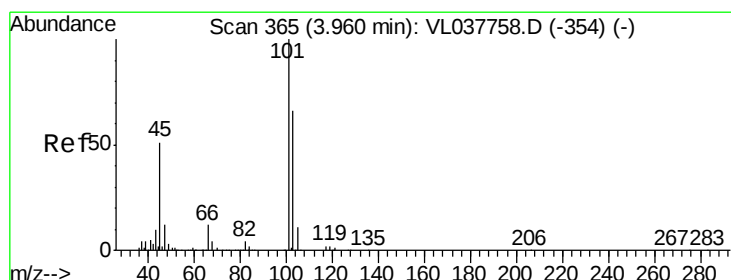
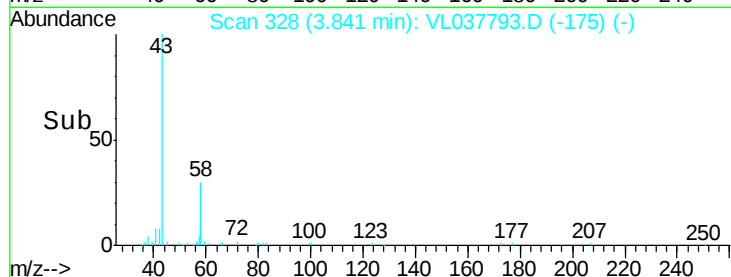
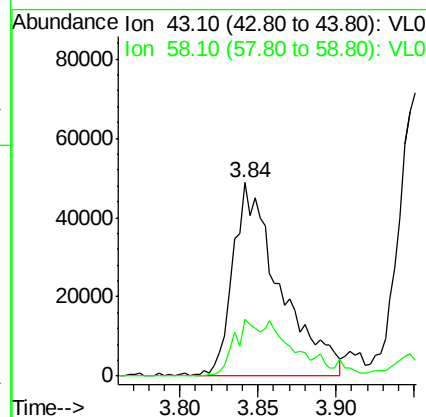
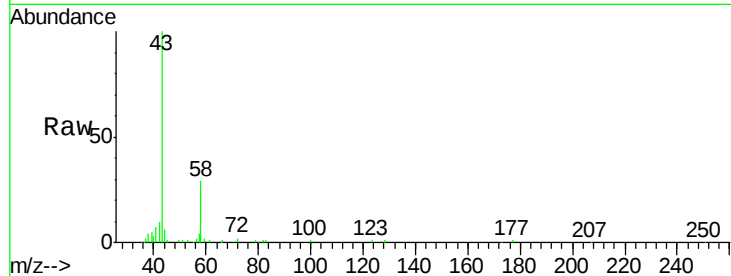
#15
Acetone
Concen: 0.974 ppbv m
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL037793.D
Acq: 6 Oct 2021 3:45

Instrument :
MSVOA_L
ClientSampled :
C0P11DL

Tgt Ion: 43 Resp: 102215
Ion Ratio Lower Upper
43 100
58 36.7 23.0 34.6#

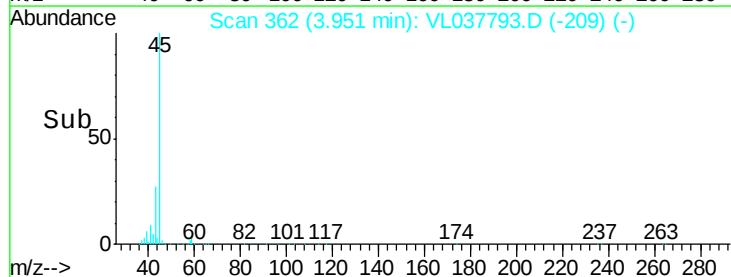
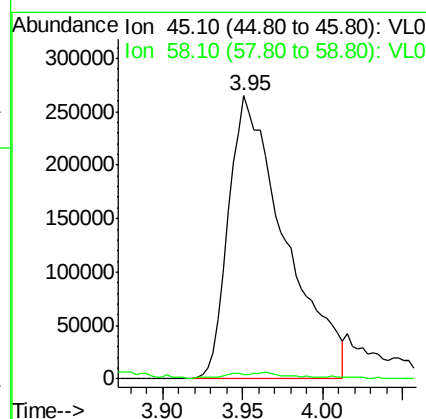
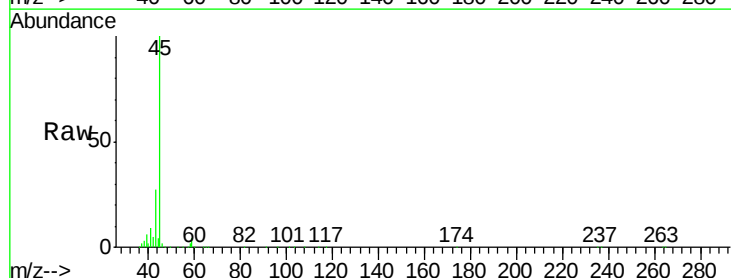
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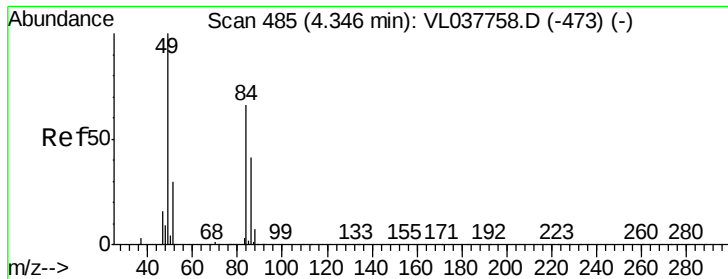
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#19
Isopropyl Alcohol
Concen: 9.852 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL037793.D
Acq: 6 Oct 2021 3:45

Tgt Ion: 45 Resp: 643457
Ion Ratio Lower Upper
45 100
58 3.0 1.1 1.7#





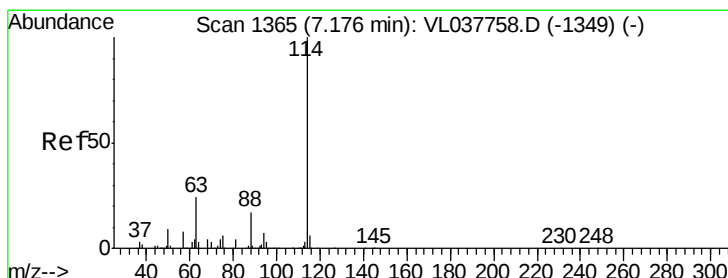
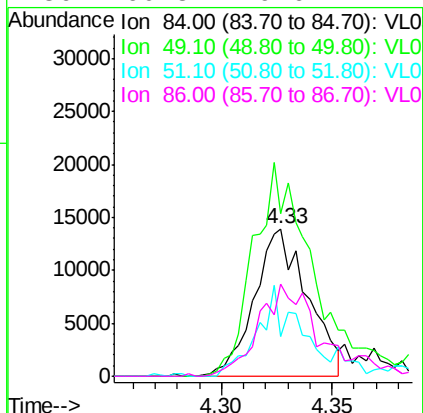
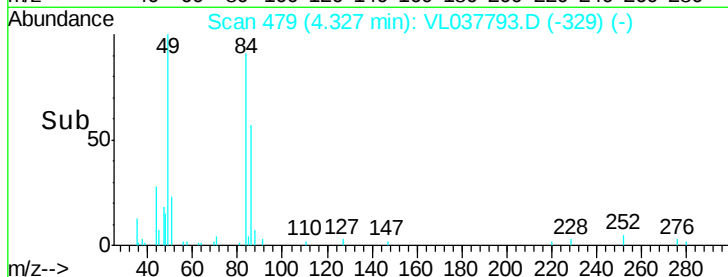
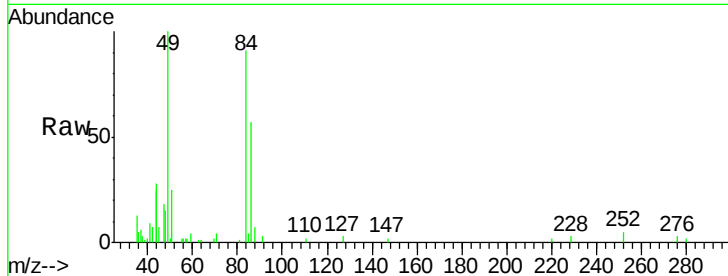
#20
Methylene Chloride
Concen: 0.437 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL037793.D
Acq: 6 Oct 2021 3:45

Instrument :
MSVOA_L
ClientSampleId :
C0P11DL

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.2	120.7	181.1#
51	27.3	36.2	54.4#
86	60.8	49.6	74.4

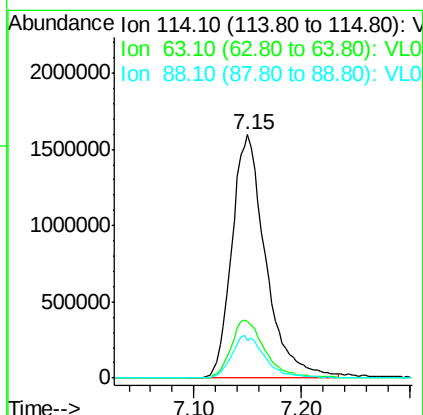
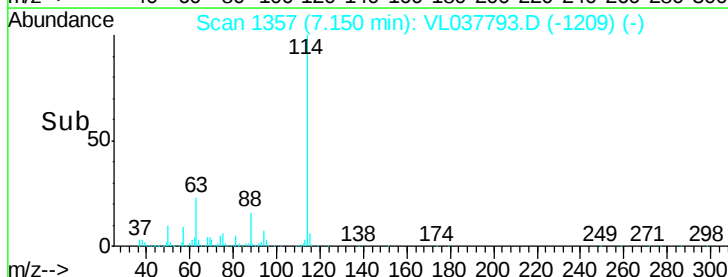
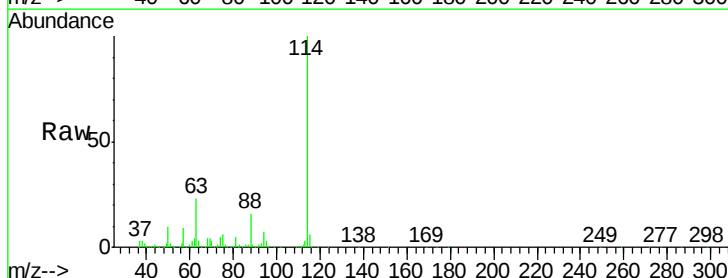
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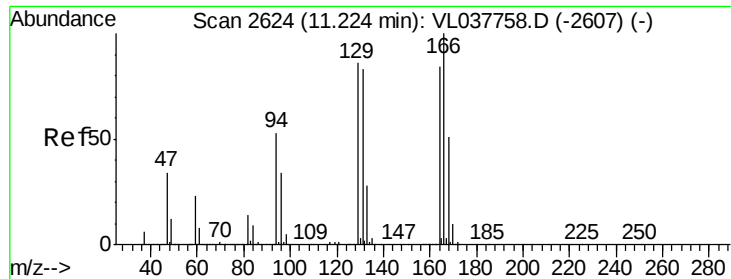
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL037793.D
Acq: 6 Oct 2021 3:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.4	29.2
88	17.4	14.4	21.6





#52

Tetrachloroethene

Concen: 2.138 ppbv

RT: 11.19 min Scan# 2614

Delta R.T. -0.03 min

Lab File: VL037793.D

Acq: 6 Oct 2021 3:45

Instrument :

MSVOA_L

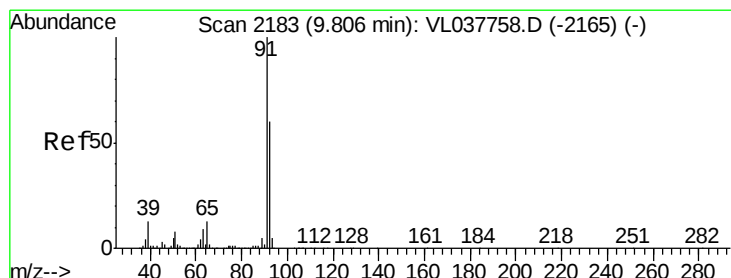
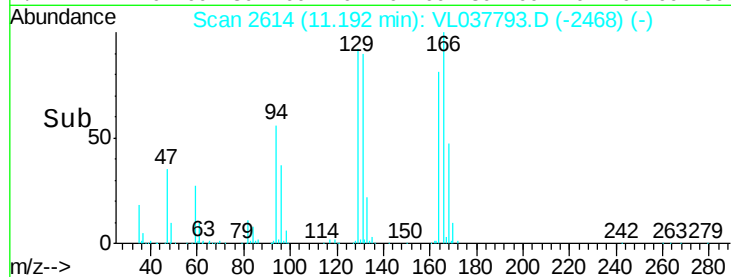
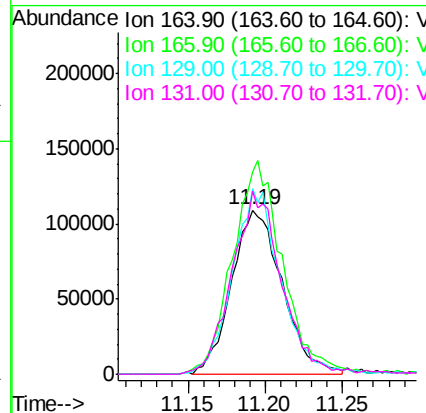
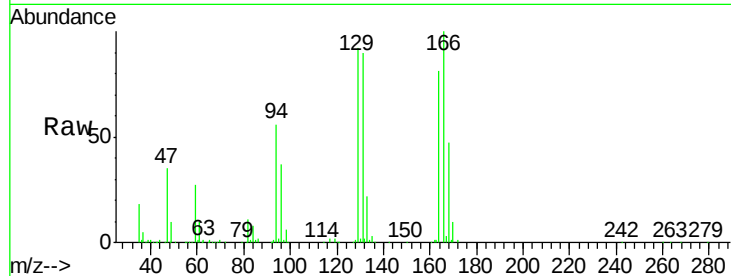
ClientSampleId :

C0P11DL

Tgt Ion:	164	Resp:	247967
Ion Ratio	Lower	Upper	
164	100		
166	120.3	95.4	143.2
129	111.6	82.2	123.4
131	109.1	79.4	119.2

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#53

Toluene

Concen: 0.099 ppbv m

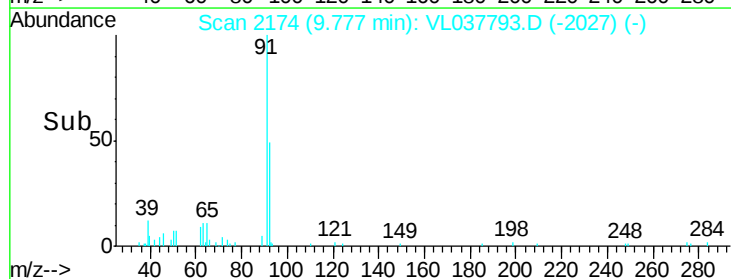
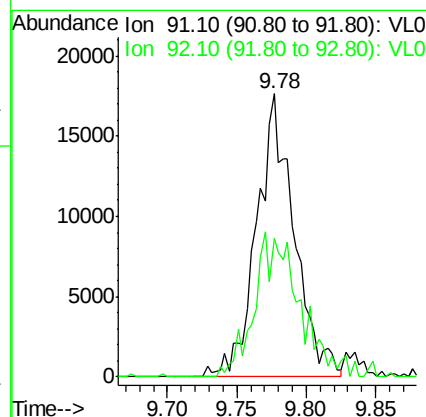
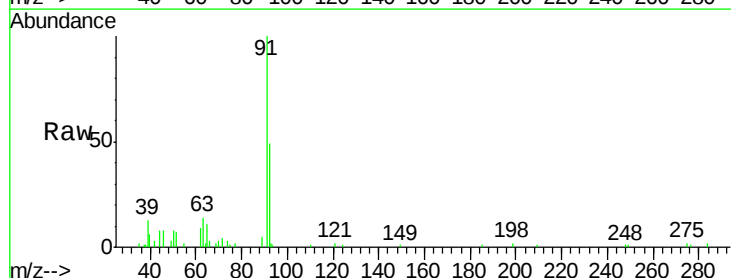
RT: 9.78 min Scan# 2174

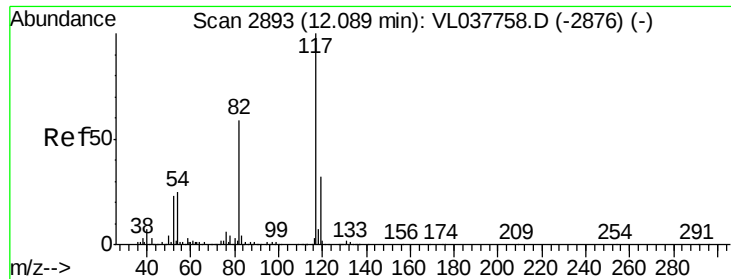
Delta R.T. -0.03 min

Lab File: VL037793.D

Acq: 6 Oct 2021 3:45

Tgt Ion:	91	Resp:	32829
Ion Ratio	Lower	Upper	
91	100		
92	61.8	48.4	72.6





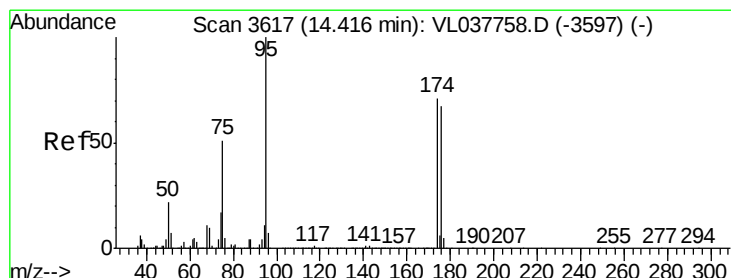
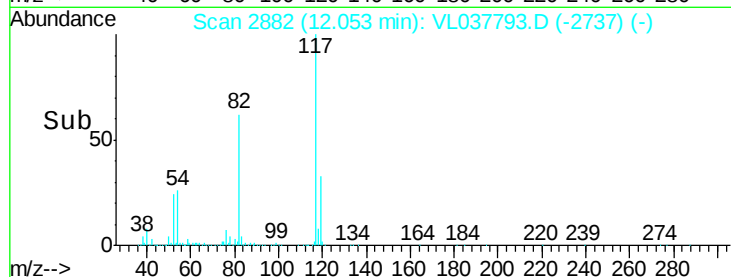
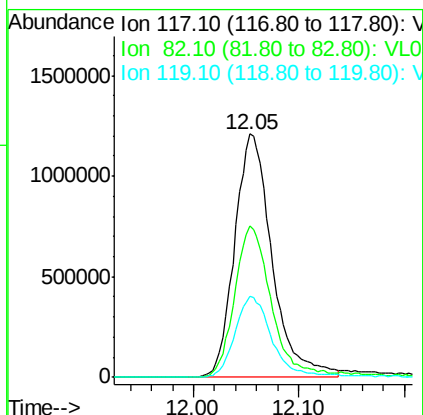
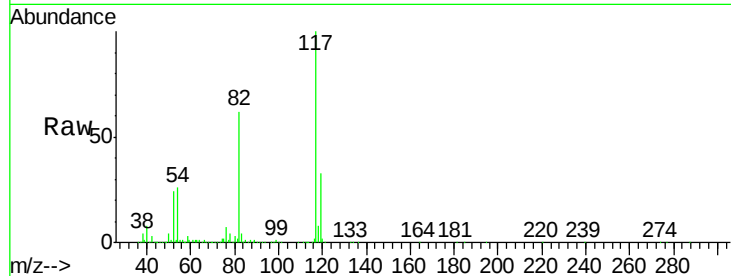
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.04 min
Lab File: VL037793.D
Acq: 6 Oct 2021 3:45

Instrument :
MSVOA_L
ClientSampleId :
C0P11DL

Tgt Ion: 117 Resp: 2979758
Ion Ratio Lower Upper
117 100
82 64.1 52.2 78.2
119 34.1 26.0 39.0

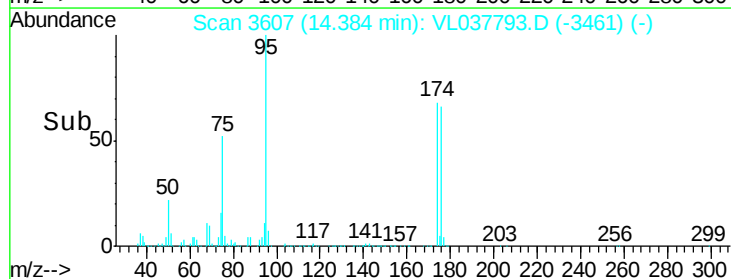
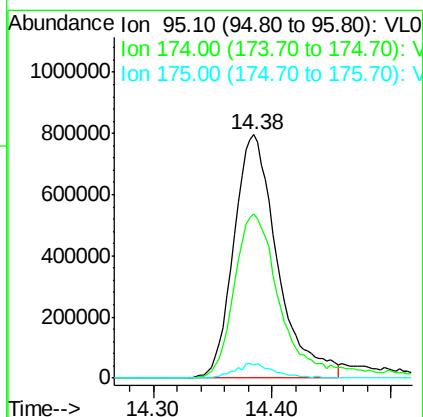
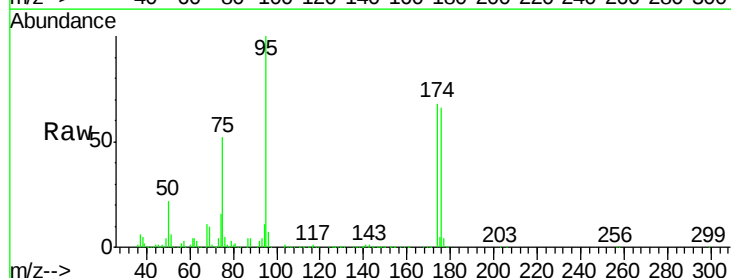
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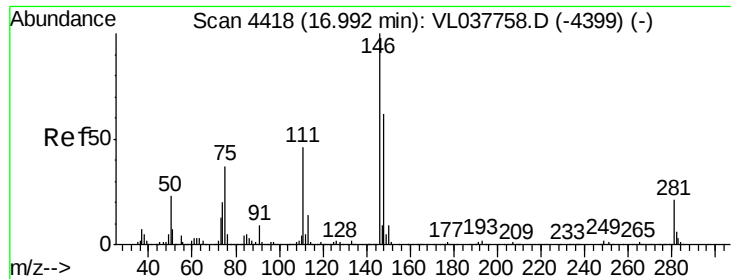
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.704 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.03 min
Lab File: VL037793.D
Acq: 6 Oct 2021 3:45

Tgt Ion: 95 Resp: 2022050
Ion Ratio Lower Upper
95 100
174 75.5 57.8 86.6
175 5.5 4.7 7.1





#75

1,3-Dichlorobenzene

Concen: 0.211 ppbv m

RT: 16.96 min Scan# 4408

Delta R.T. -0.03 min

Lab File: VL037793.D

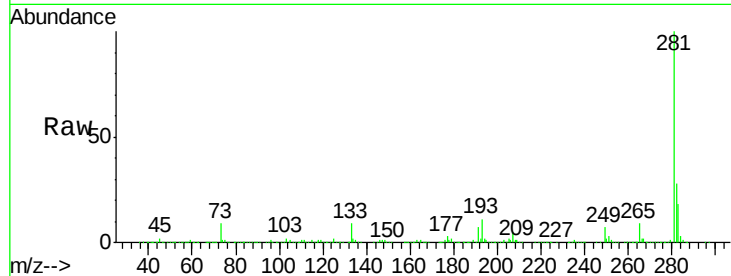
Acq: 6 Oct 2021 3:45

Instrument :

MSVOA_L

ClientSampleId :

C0P11DL



Tgt Ion:	146	Resp:	46602
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.8	68.4#
148	0.0	32.8	98.3#

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