

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037213.D
 Acq On : 17 Jun 2021 22:36
 Operator : SY/AP
 Sample : M2742-04DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

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Quant Time: Jun 18 03:08:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1398030	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4071841	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	3548814	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2568128	9.55	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	13485m	0.155	ppbv	
13) Ethanol	3.64	45	15344m	1.141	ppbv	
15) Acetone	3.87	43	142567	0.904	ppbv #	51
20) Methylene Chloride	4.35	84	84820m	0.899	ppbv	
26) Hexane	5.68	57	113296	0.657	ppbv #	47
52) Tetrachloroethene	11.22	164	17245m	0.113	ppbv	

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

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Misc : 400mL/MSVOA L
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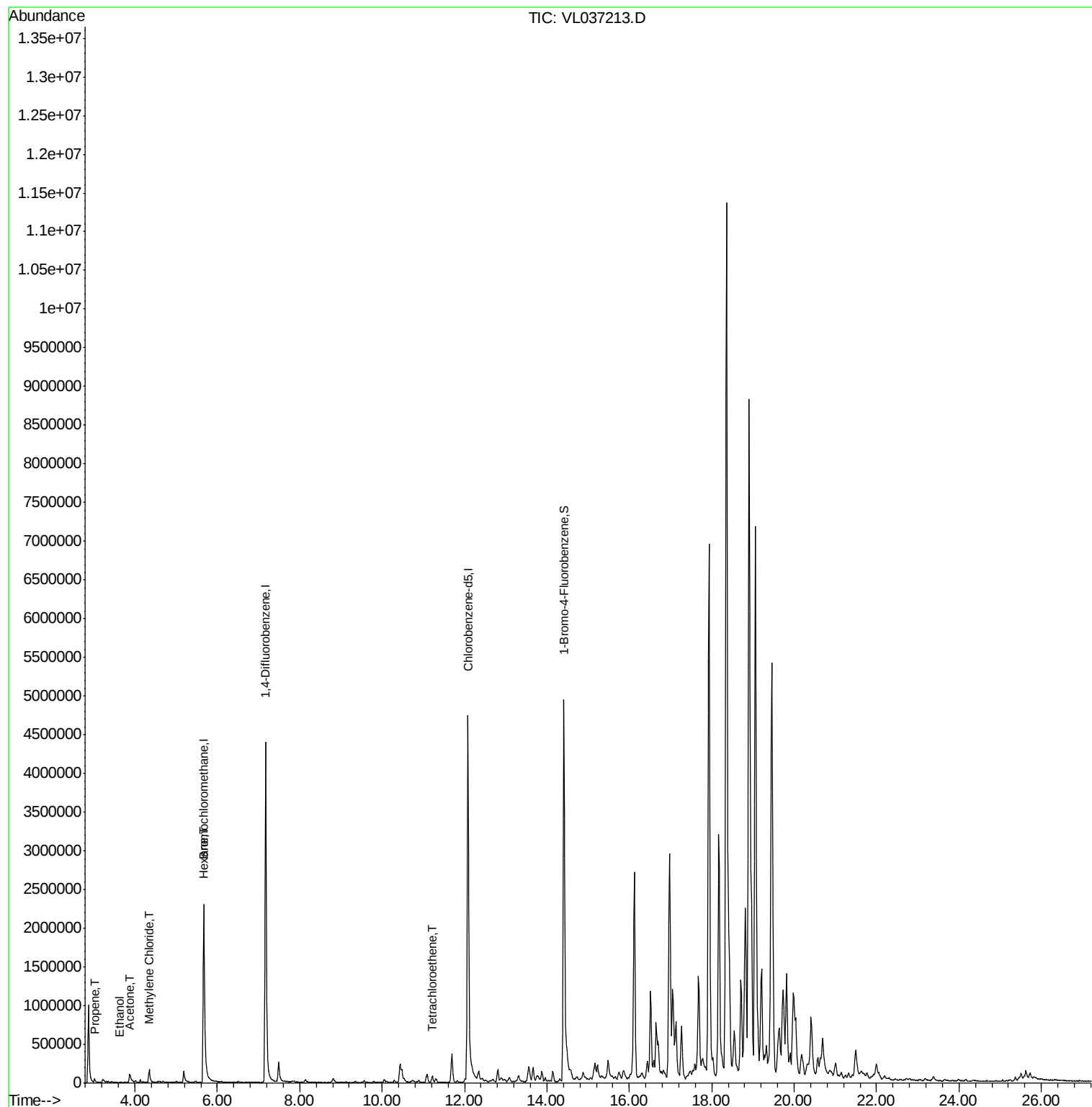
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

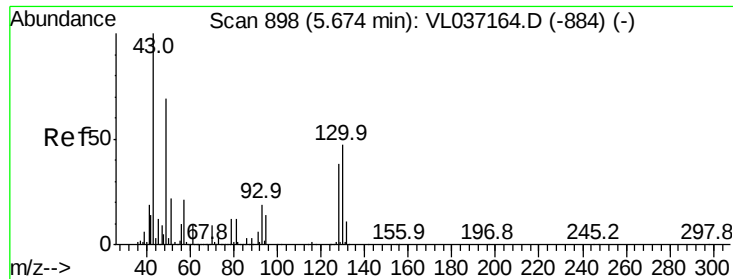
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun
QLast Update : Wed Jun 16 14:06:32 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037213.D

Acq: 17 Jun 2021 22:36

Instrument :

MSVOA_L

ClientSampled :

SV2DL

Tot Ion: 49 Resp: 1398030

Ion Ratio Lower Upper

49 100

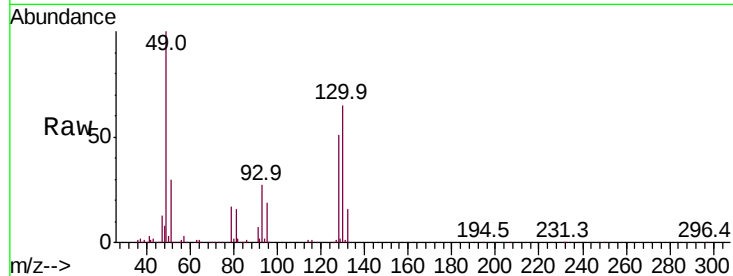
128 54.5 29.3 88.0

130 70.4 35.9 107.8

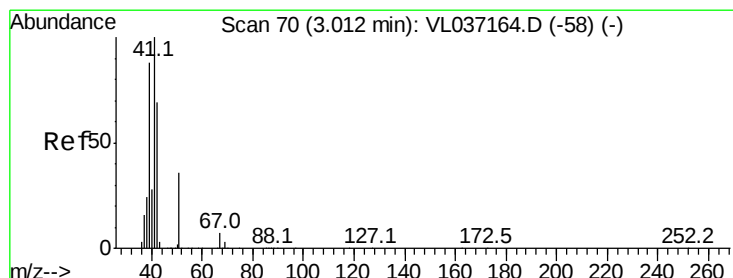
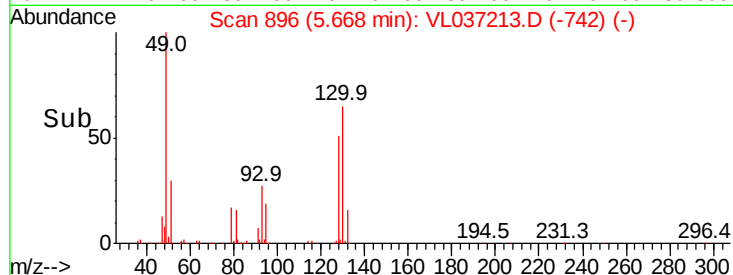
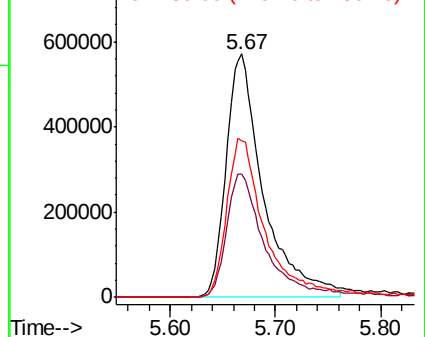
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.155 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL037213.D

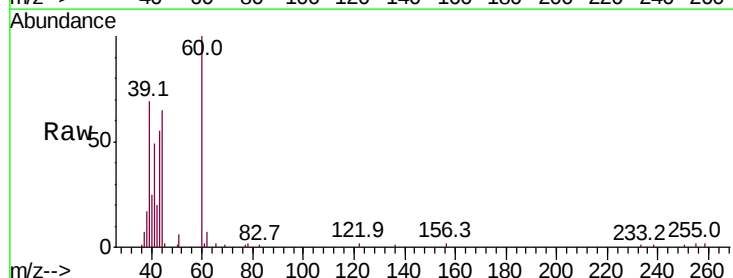
Acq: 17 Jun 2021 22:36

Tgt Ion: 41 Resp: 13485

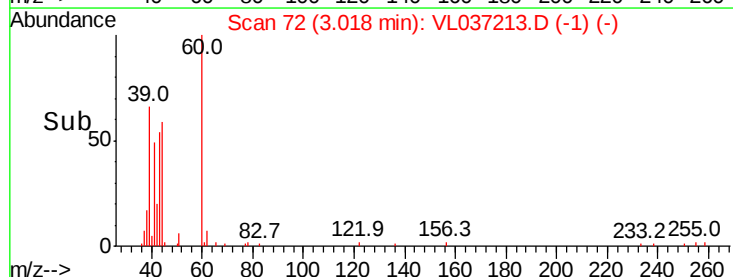
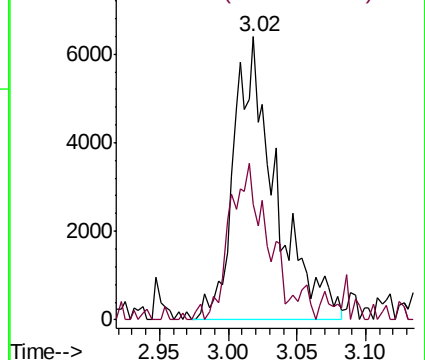
Ion Ratio Lower Upper

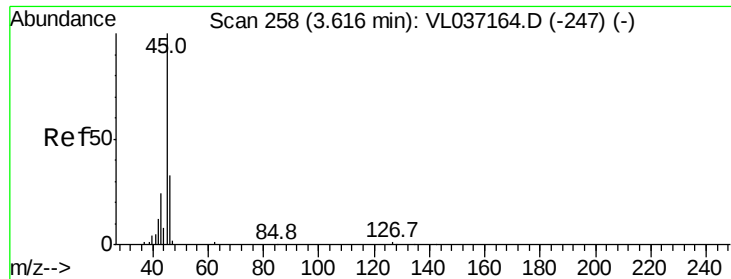
41 100

42 25.7 54.5 81.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





#13
Ethanol
Concen: 1.141 ppbv m
RT: 3.64 min Scan# 264
Delta R.T. 0.02 min
Lab File: VL037213.D
Acq: 17 Jun 2021 22:36

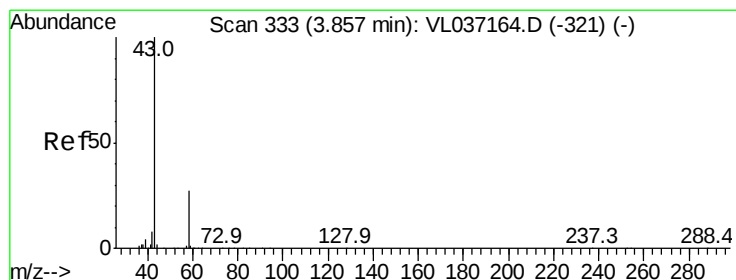
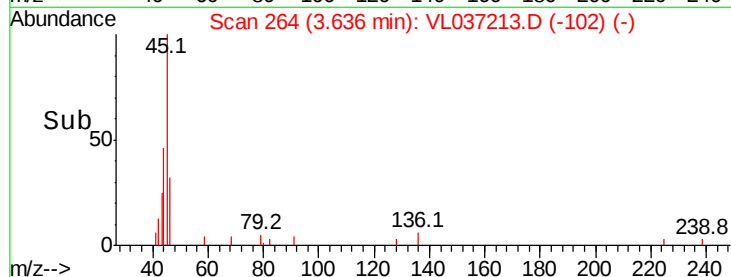
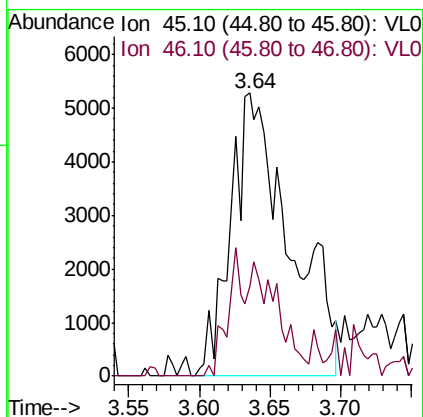
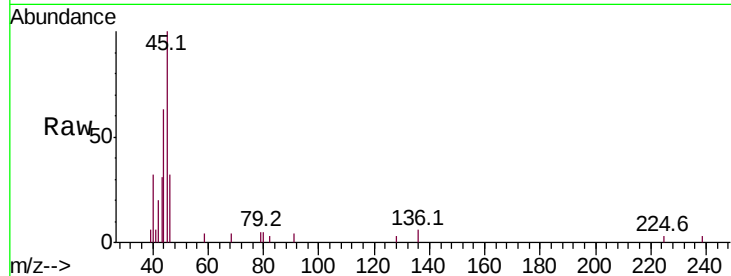
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tot Ion: 45 Resp: 15344
Ion Ratio Lower Upper
45 100
46 0.0 34.2 137.0#

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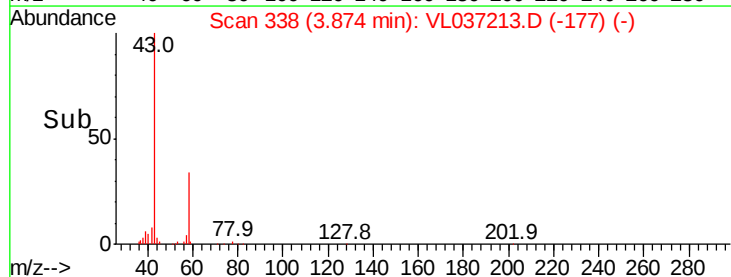
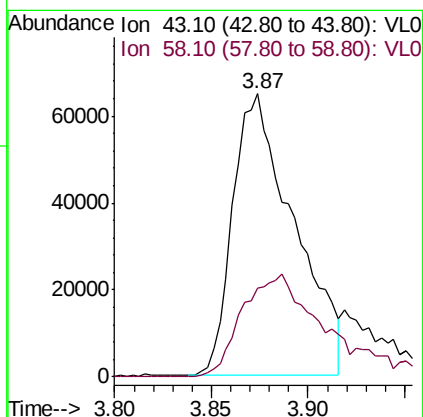
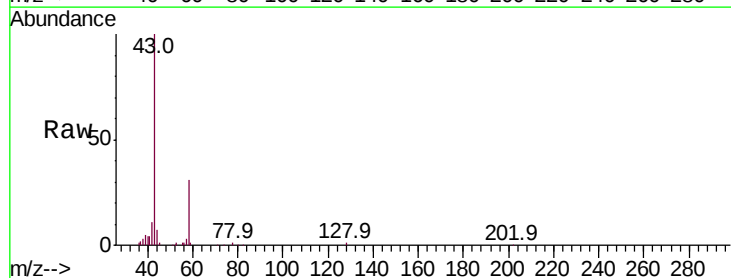
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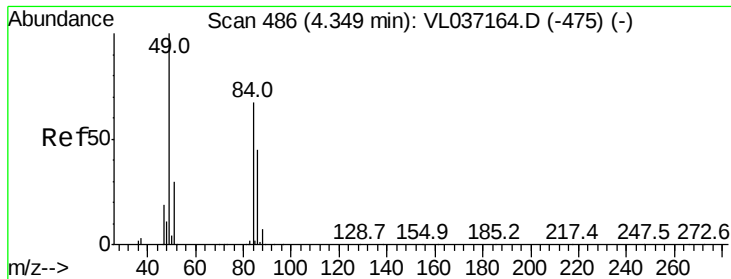
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#15
Acetone
Concen: 0.904 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.02 min
Lab File: VL037213.D
Acq: 17 Jun 2021 22:36

Tgt Ion: 43 Resp: 142567
Ion Ratio Lower Upper
43 100
58 55.9 23.7 35.5#





#20
Methvlene Chloride
Concen: 0.899 ppbv m
RT: 4.35 min Scan# 486
Delta R.T. 0.00 min
Lab File: VL037213.D
Acq: 17 Jun 2021 22:36

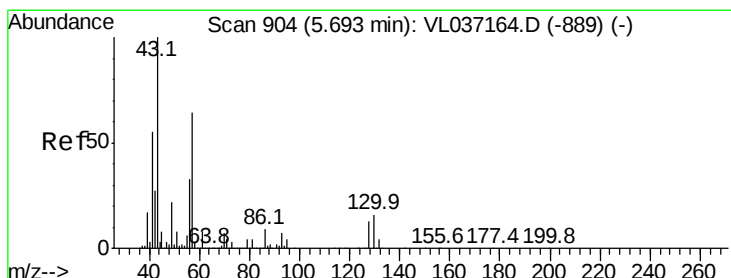
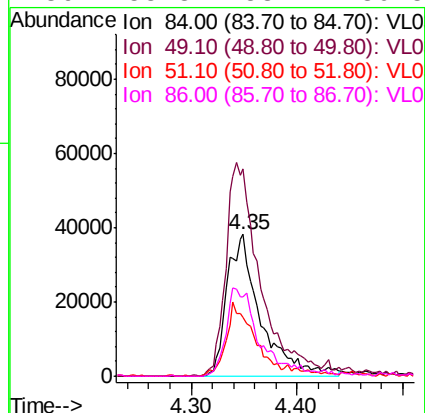
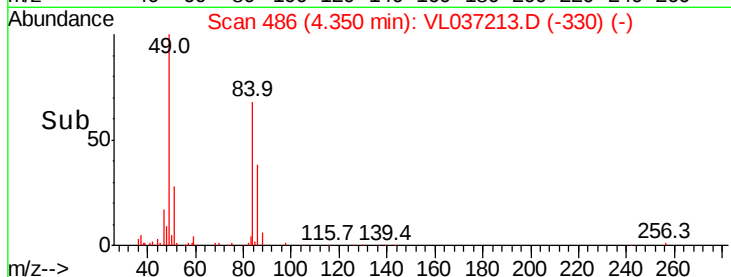
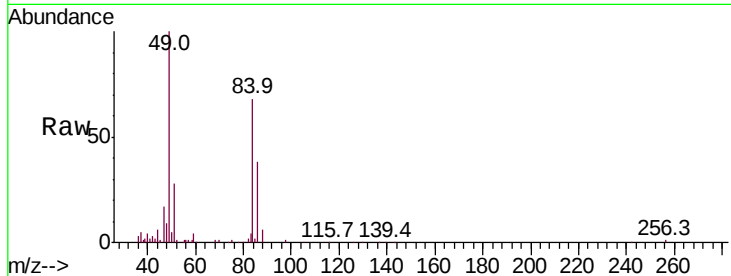
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tot Ion	84	Resp	84820
Ion Ratio	Lower	Upper	
84	100		
49	146.4	119.7	179.5
51	41.4	36.1	54.1
86	55.8	53.7	80.5

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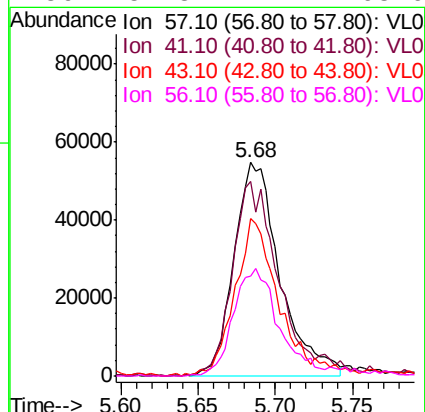
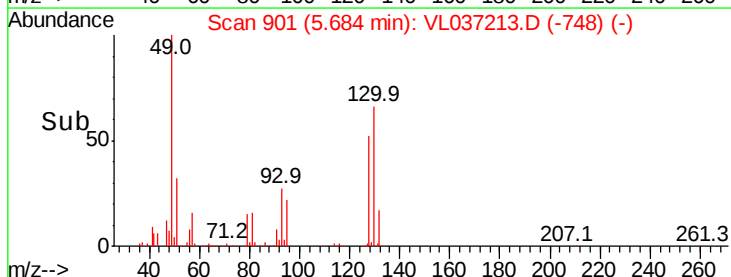
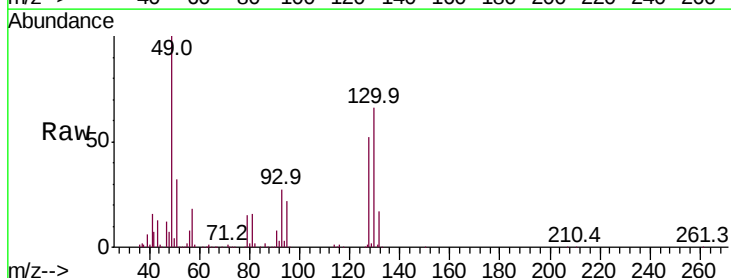
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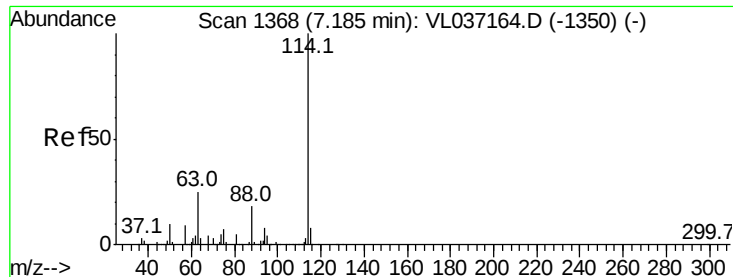
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#26
Hexane
Concen: 0.657 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL037213.D
Acq: 17 Jun 2021 22:36

Tgt Ion	57	Resp	113296
Ion Ratio	Lower	Upper	
57	100		
41	93.2	73.5	110.3
43	74.8	170.7	256.1#
56	52.8	42.4	63.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL037213.D
Acq: 17 Jun 2021 22:36

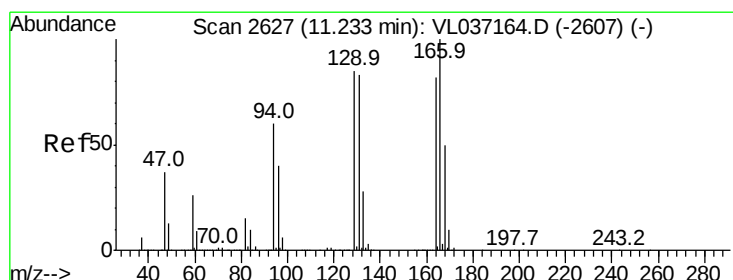
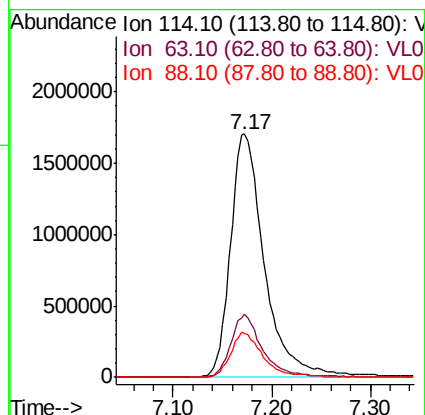
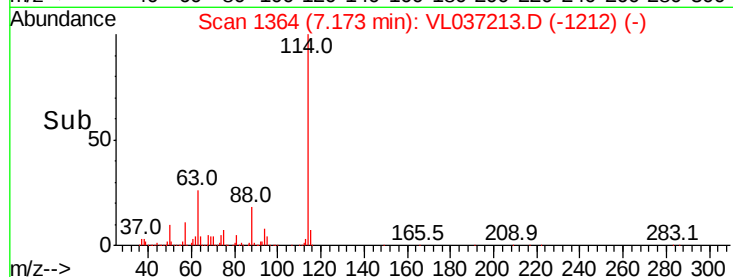
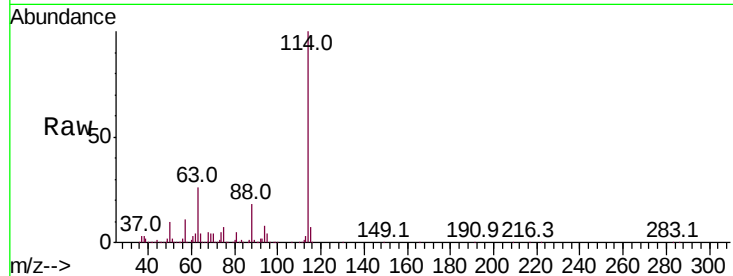
Instrument :
MSVOA_L
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Tot Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	18.0	14.2	21.2

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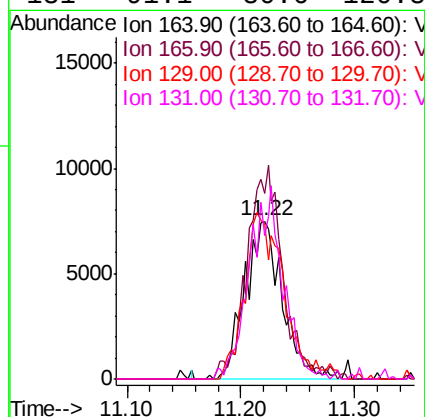
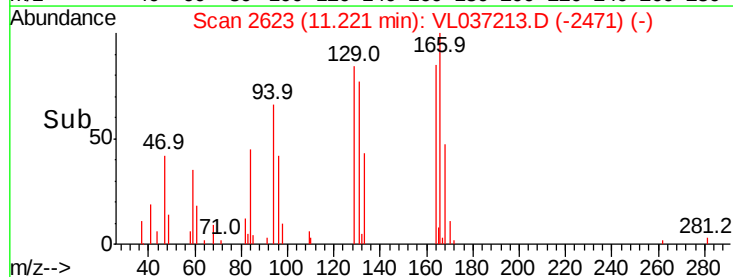
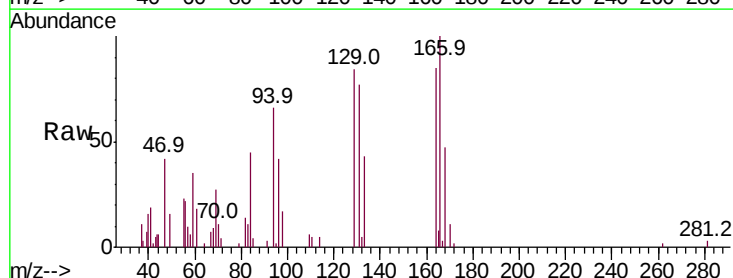
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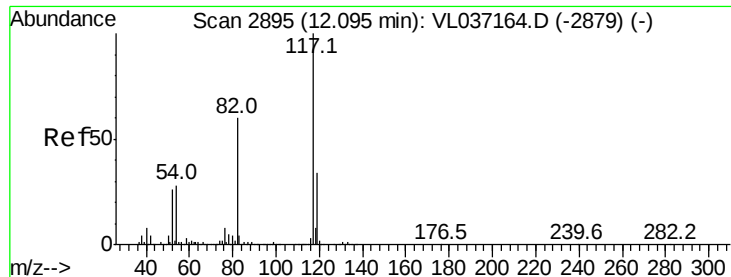
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#52
Tetrachloroethene
Concen: 0.113 ppbv m
RT: 11.22 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL037213.D
Acq: 17 Jun 2021 22:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.5	97.6	146.4
129	98.3	82.9	124.3
131	91.1	80.6	120.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL037213.D
Acq: 17 Jun 2021 22:36

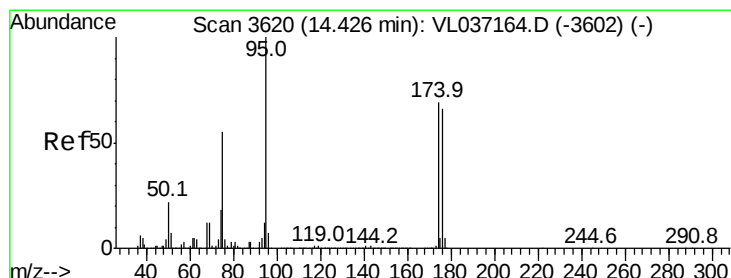
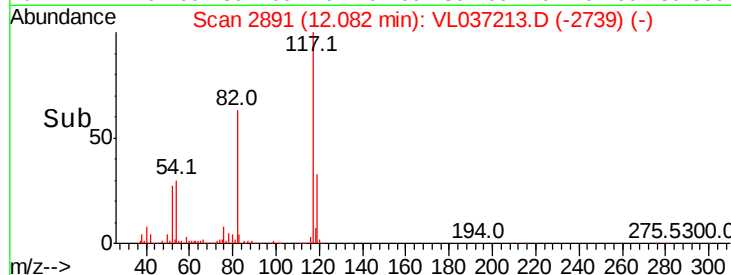
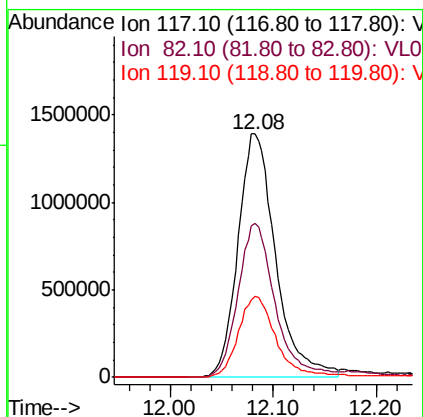
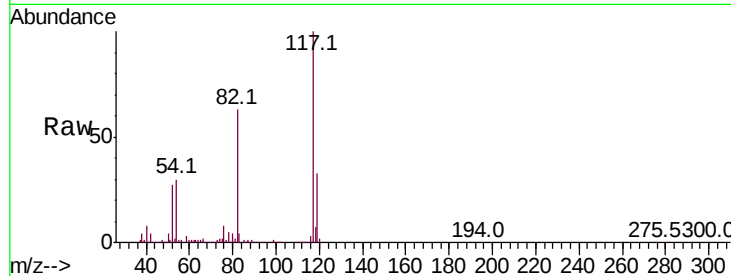
Instrument :
MSVOA_L
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Tot Ion	Ratio	Lower	Upper
117	100		
82	66.3	51.7	77.5
119	34.3	47.6	71.4

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.550 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL037213.D
Acq: 17 Jun 2021 22:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.5	57.0	85.4
175	5.2	4.4	6.6

