

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091721\
 Data File : VL037648.D
 Acq On : 17 Sep 2021 19:20
 Operator : SY/AP
 Sample : M3801-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Manual Integrations
 APPROVED

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Quant Time: Sep 18 07:49:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 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	5.65	49	1296952	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3780905	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3297771	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2231492	9.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	34097m	4.040	ppbv	
15) Acetone	3.86	43	92688m	0.688	ppbv	
19) Isopropyl Alcohol	3.98	45	37449m	0.511	ppbv	
20) Methylene Chloride	4.34	84	58689m	0.912	ppbv	
26) Hexane	5.68	57	28681	0.185	ppbv #	52

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

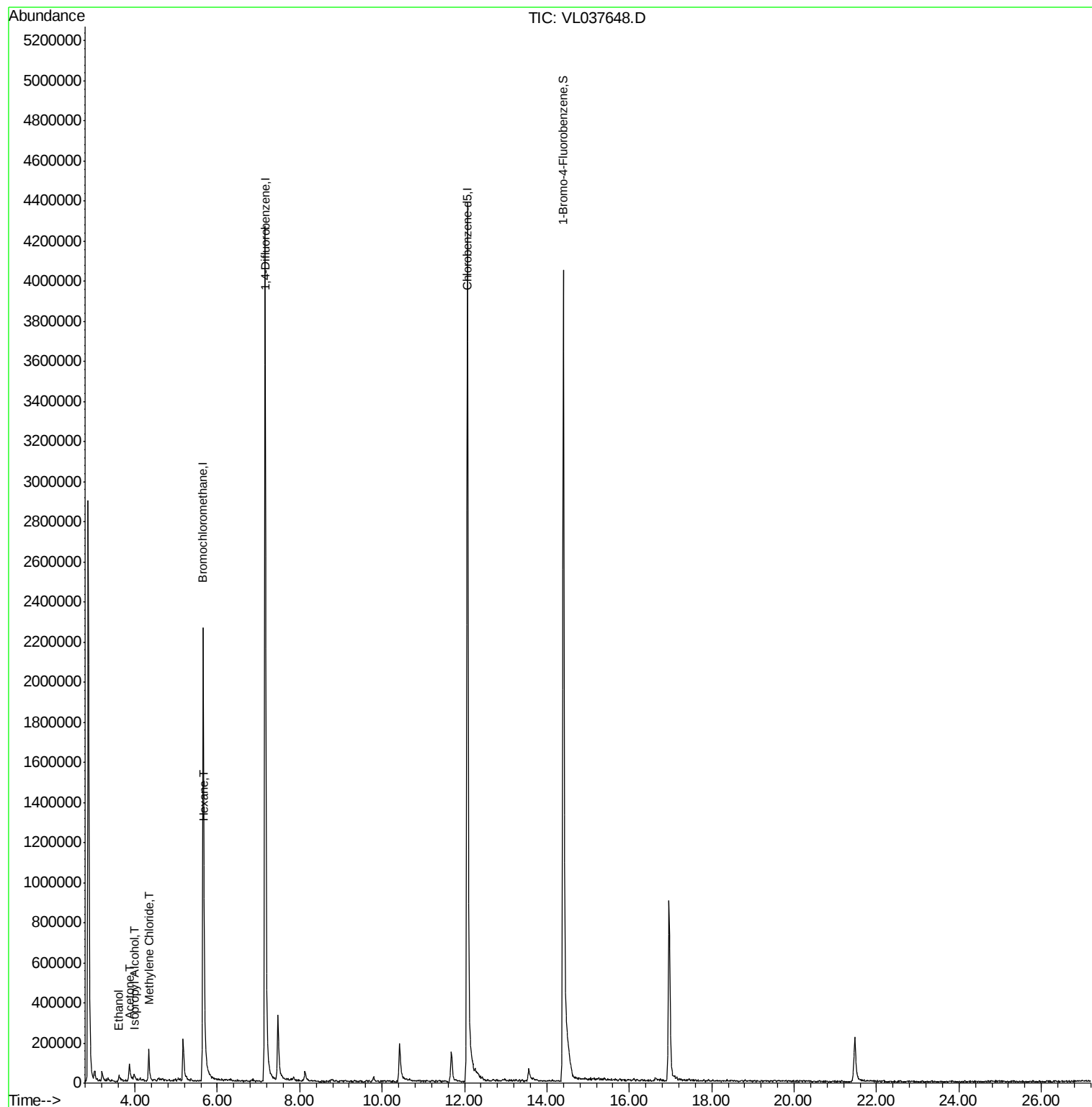
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091721\
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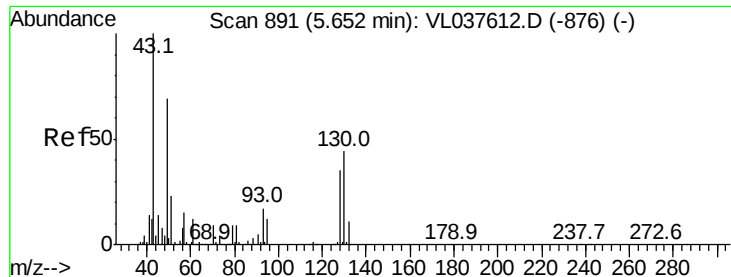
Instrument :
MSVOA_L
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
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QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL037648.D

Acq: 17 Sep 2021 19:20

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tot Ion: 49 Resp: 1296952

Ion Ratio Lower Upper

49 100

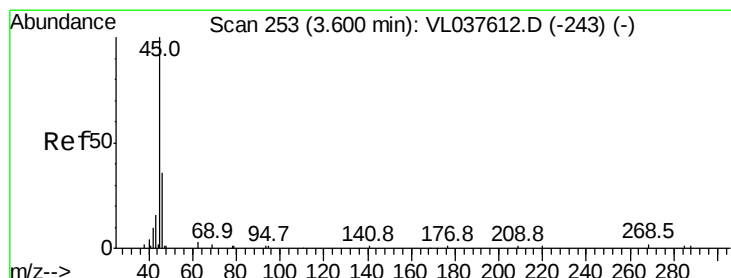
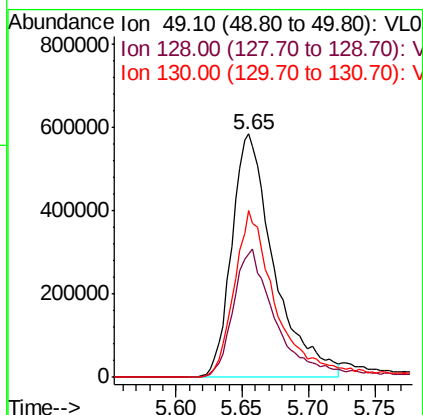
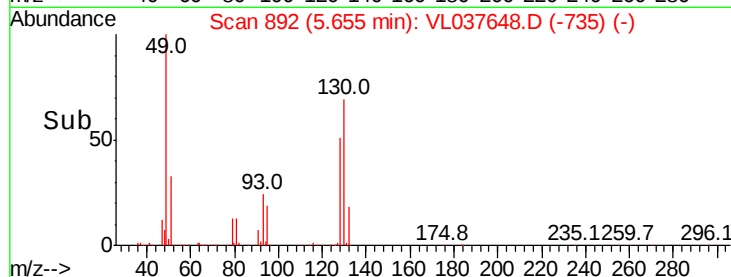
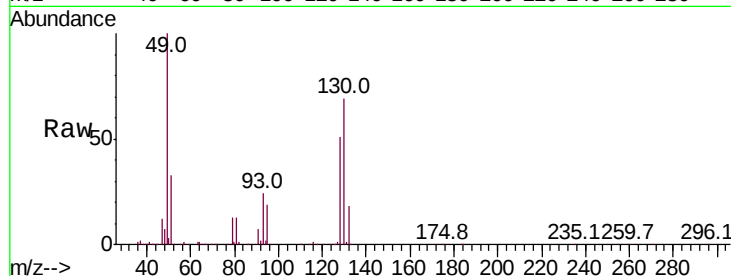
128 54.8 27.9 83.6

130 71.2 33.9 101.7

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#13

Ethanol

Concen: 4.040 ppbv m

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL037648.D

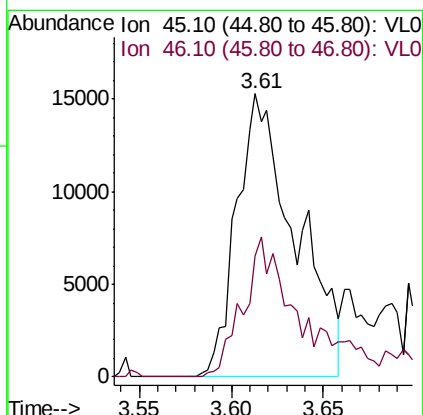
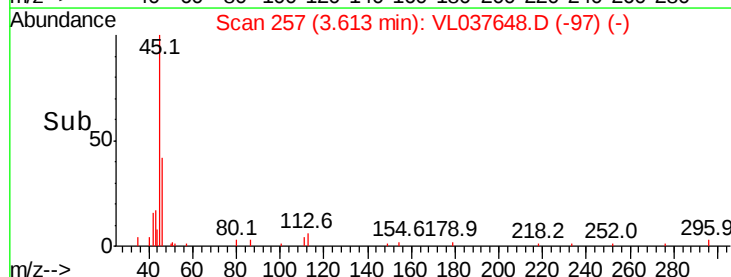
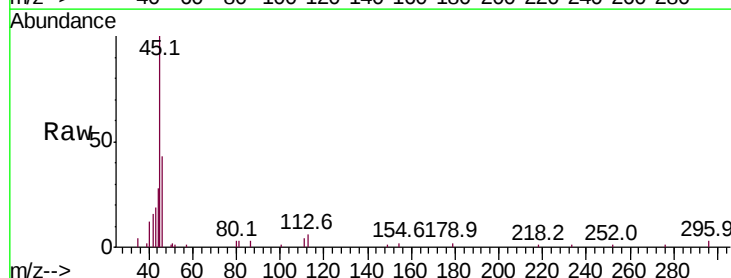
Acq: 17 Sep 2021 19:20

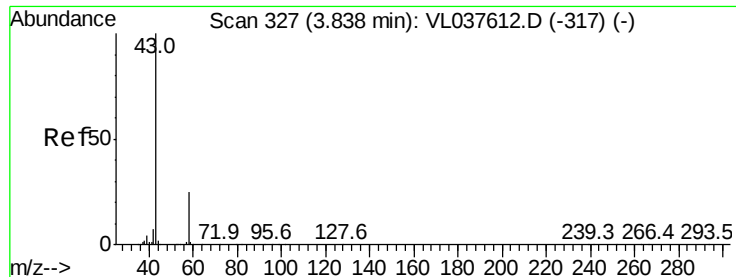
Tgt Ion: 45 Resp: 34097

Ion Ratio Lower Upper

45 100

46 54.8 17.2 68.8





#15

Acetone

Concen: 0.688 ppbv m

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL037648.D

Acq: 17 Sep 2021 19:20

Instrument :

MSVOA_L

ClientSampled :

QA1DL

Tot Ion: 43 Resp: 92688

Ion Ratio Lower Upper

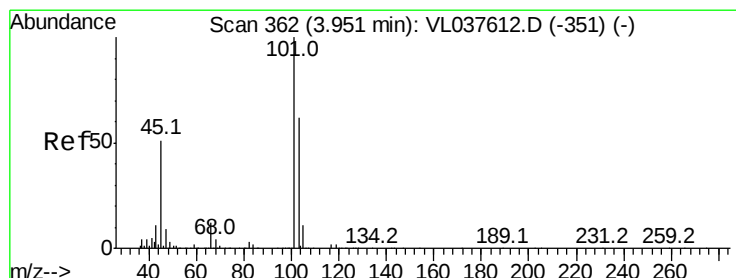
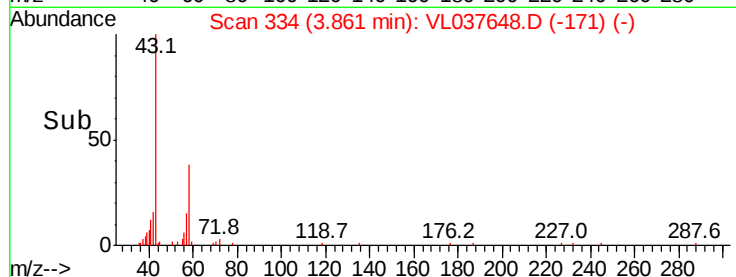
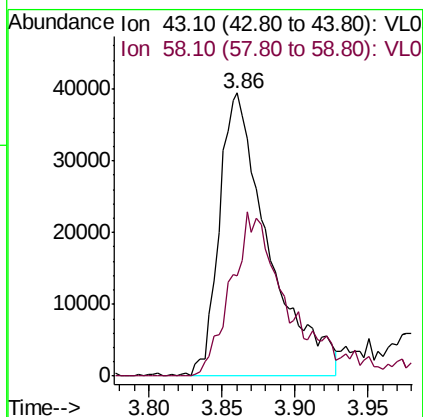
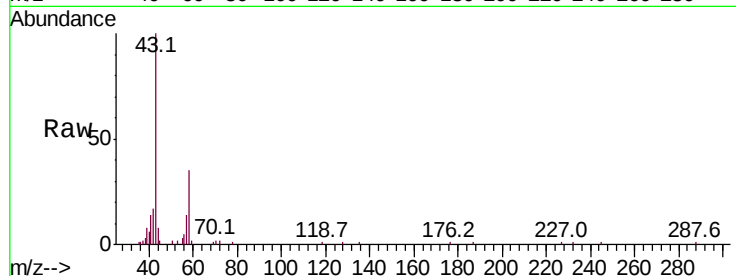
43 100

58 0.0 24.9 37.3#

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#19

Isopropyl Alcohol

Concen: 0.511 ppbv m

RT: 3.98 min Scan# 370

Delta R.T. 0.03 min

Lab File: VL037648.D

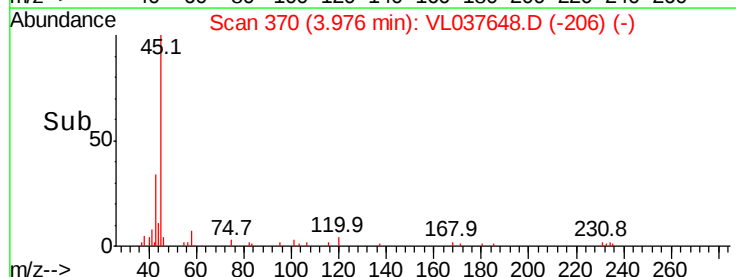
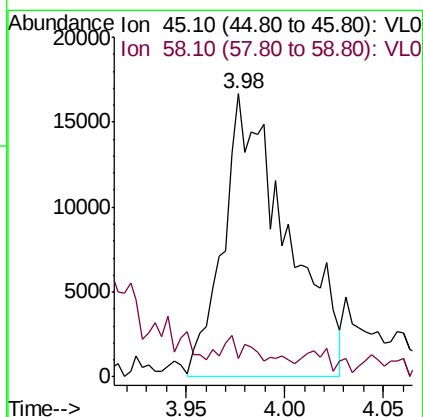
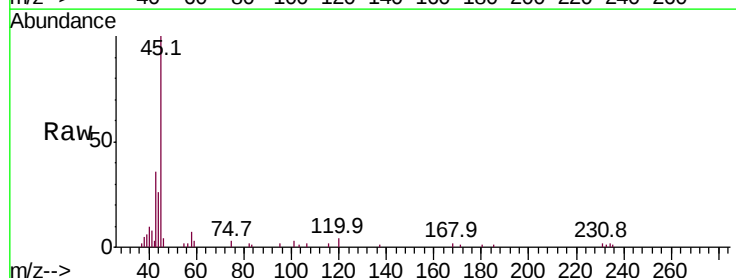
Acq: 17 Sep 2021 19:20

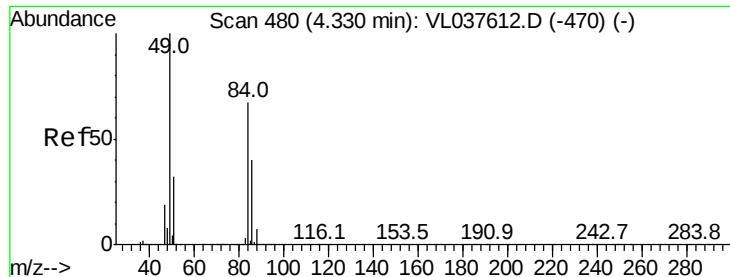
Tgt Ion: 45 Resp: 37449

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#





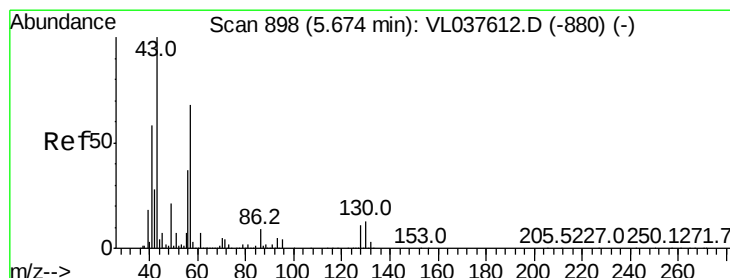
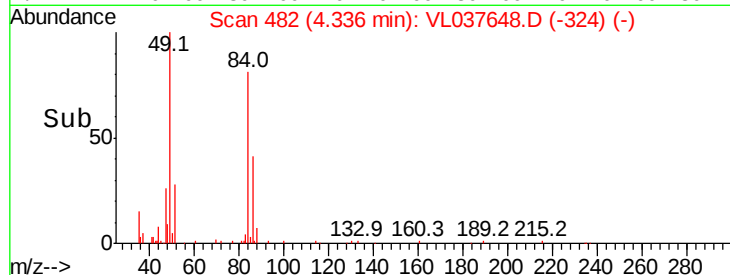
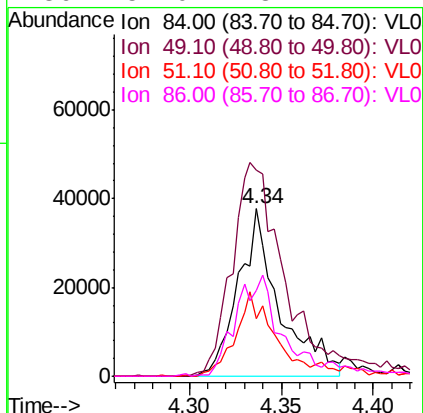
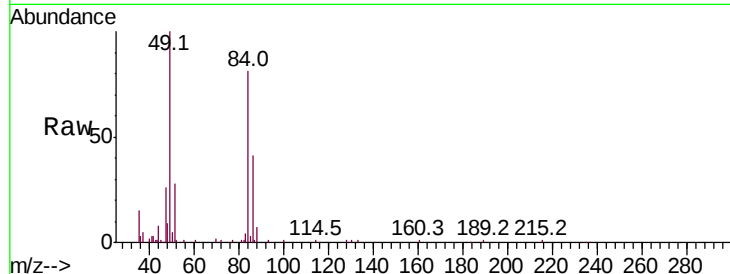
#20
Methylene Chloride
Concen: 0.912 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL037648.D
Acq: 17 Sep 2021 19:20

Instrument :
MSVOA_L
ClientSampled :
QA1DL

Tot Ion	84	Resp:	58689
Ion	Ratio	Lower	Upper
84	100		
49	123.6	120.0	180.0
51	34.7	38.0	57.0#
86	51.0	48.2	72.2

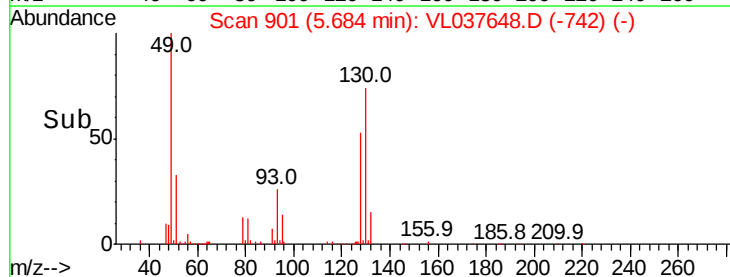
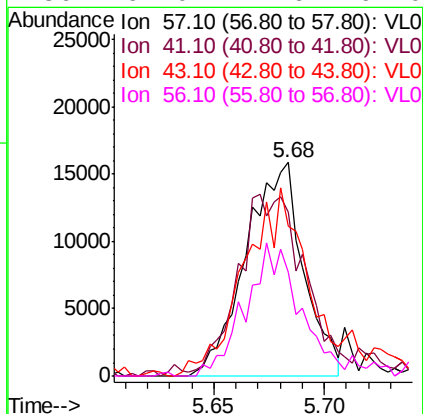
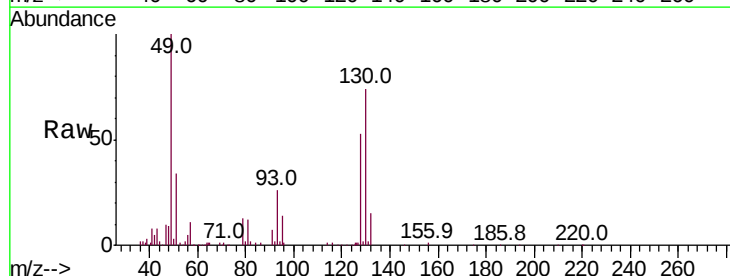
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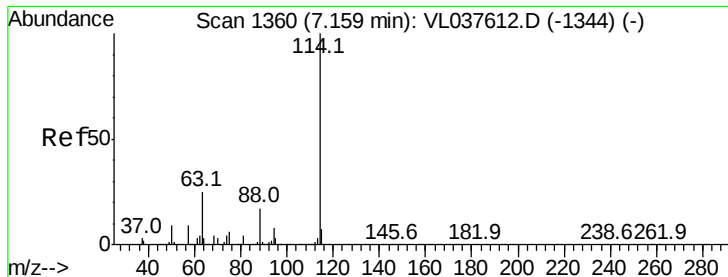
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#26
Hexane
Concen: 0.185 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL037648.D
Acq: 17 Sep 2021 19:20

Tgt Ion	57	Resp:	28681
Ion	Ratio	Lower	Upper
57	100		
41	107.9	70.9	106.3#
43	106.8	170.4	255.6#
56	64.0	42.6	64.0#





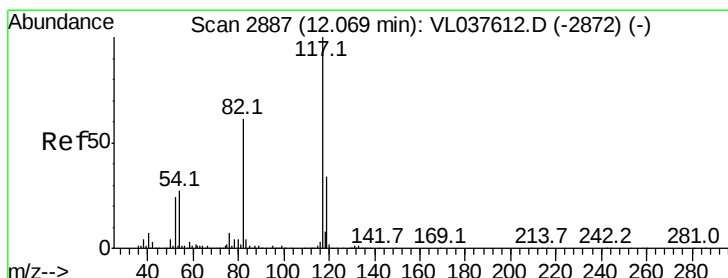
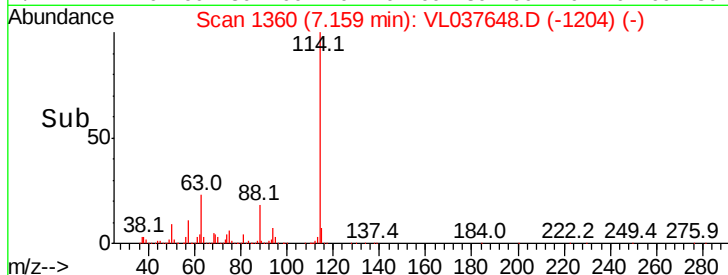
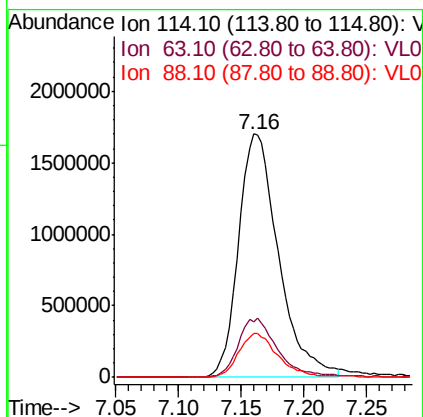
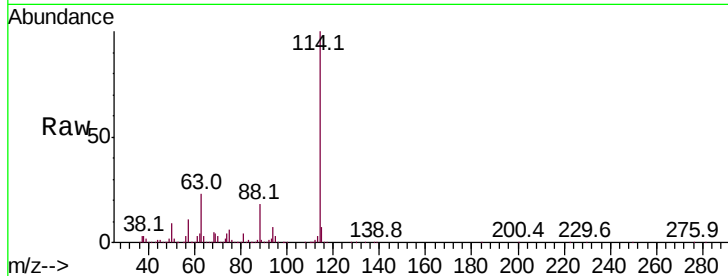
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL037648.D
 Acq: 17 Sep 2021 19:20

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.6	29.4
88	18.3	14.2	21.4

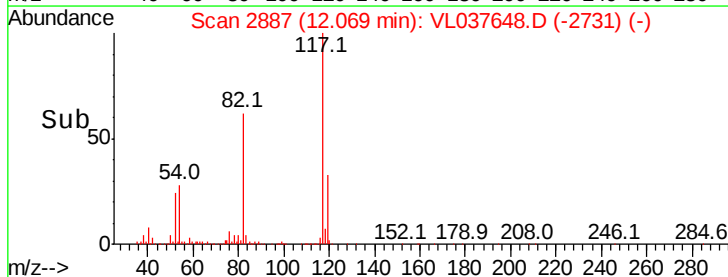
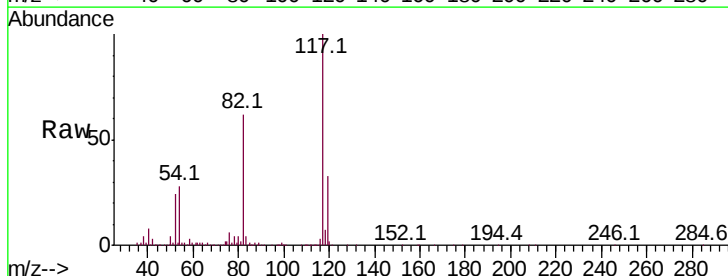
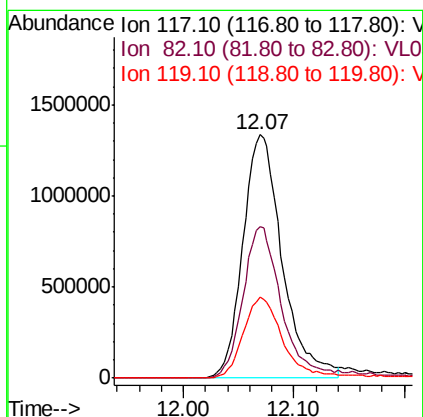
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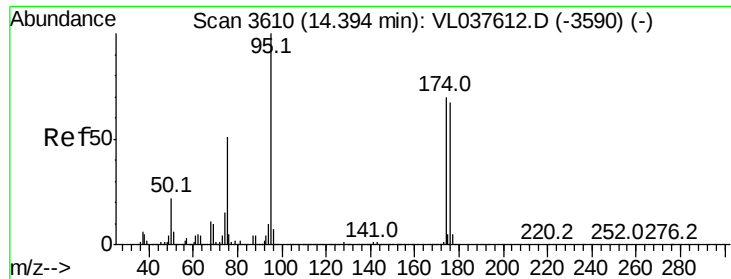
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VL037648.D
 Acq: 17 Sep 2021 19:20

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.1	50.6	75.8
119	34.9	26.2	39.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.363 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL037648.D
 Acq: 17 Sep 2021 19:20

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	78.2	56.3	84.5
175	5.8	4.4	6.6

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