

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090921\
 Data File : VL037598.D
 Acq On : 9 Sep 2021 14:42
 Operator : SY/AP
 Sample : M3663-05DLUP 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DLUP

Manual Integrations
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 9/10/2021 6:37:14 PM

Quant Time: Sep 10 09:04:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 10 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1434347	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4338226	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3838344	10.00	ppbv	0.04

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.43	95	2648692	9.71	ppbv	0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	160840m	1.637	ppbv	
15) Acetone	3.86	43	1103837	7.562	ppbv	92
17) tert-Butyl alcohol	4.31	59	89879m	0.674	ppbv	
27) Carbon Disulfide	4.56	76	41442	0.257	ppbv #	77
32) 1,1,1-Trichloroethane	6.53	97	31373m	0.124	ppbv	
34) 2-Butanone	5.27	43	150044	0.847	ppbv #	79
36) Benzene	6.90	78	42699	0.117	ppbv #	93
38) Trichloroethene	7.85	130	875853	5.854	ppbv	91
52) Tetrachloroethene	11.24	164	1355955	9.073	ppbv	98
53) Toluene	9.82	91	872817	2.096	ppbv	99
58) Ethyl Benzene	12.72	91	163297m	0.307	ppbv	
59) m/p-Xylene	12.98	91	462232	1.001	ppbv	94
60) o-Xylene	13.70	91	153549	0.356	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	118601	0.234	ppbv #	63

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

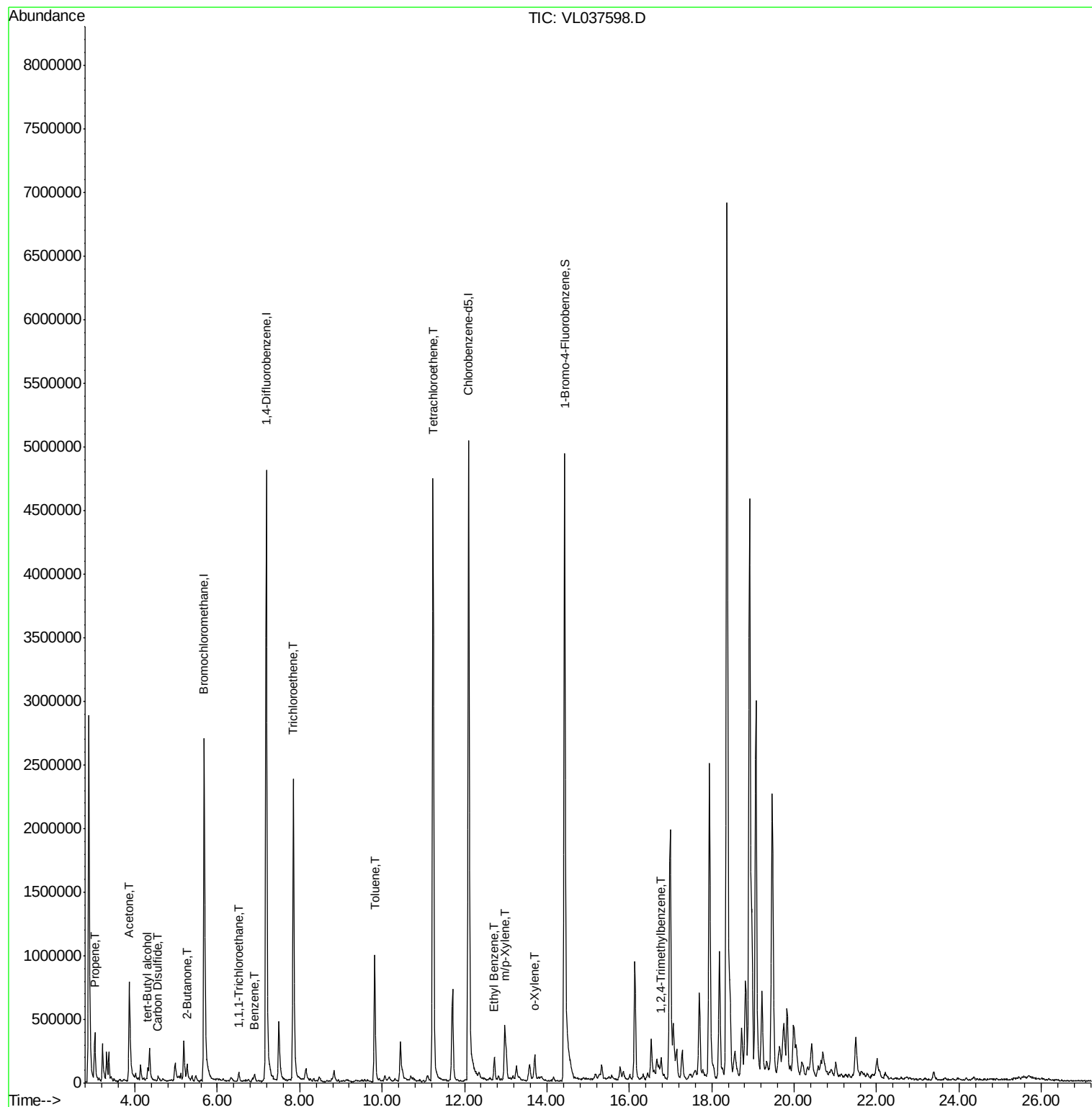
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090921\
Data File : VL037598.D
Acq On : 9 Sep 2021 14:42
Operator : SY/AP
Sample : M3663-05DL DUP 20X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

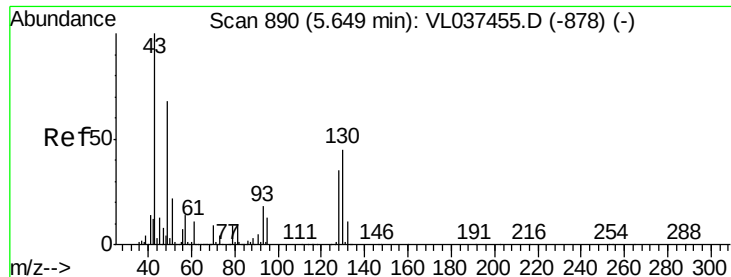
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL DUP

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Quant Time: Sep 10 09:04:43 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL037598.D

Acq: 9 Sep 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

SV-2DLUP

Tot Ion: 49 Resp: 1434347

Ion Ratio Lower Upper

49 100

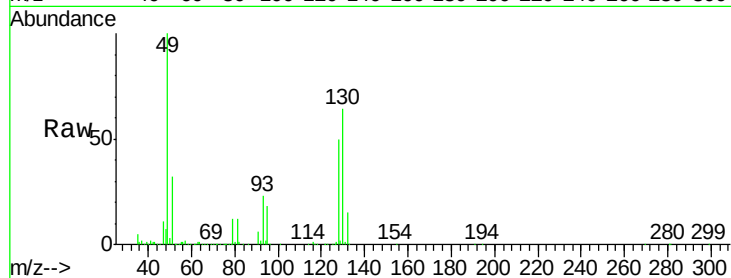
128 54.1 27.5 82.4

130 70.1 34.0 101.8

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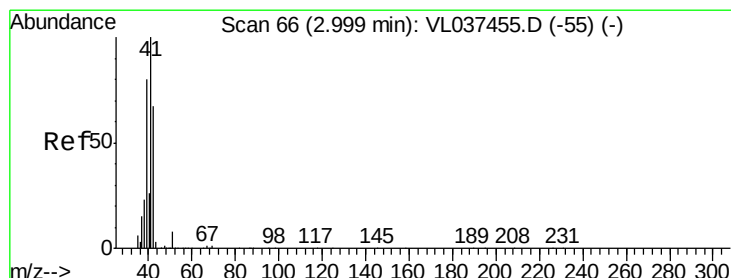
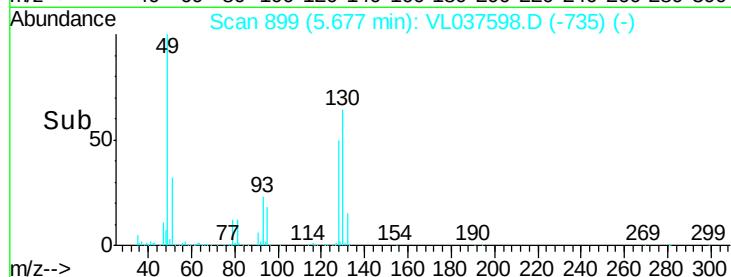
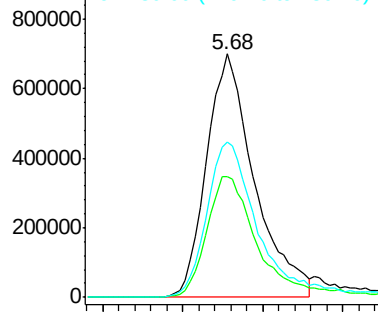
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 1.637 ppbv m

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL037598.D

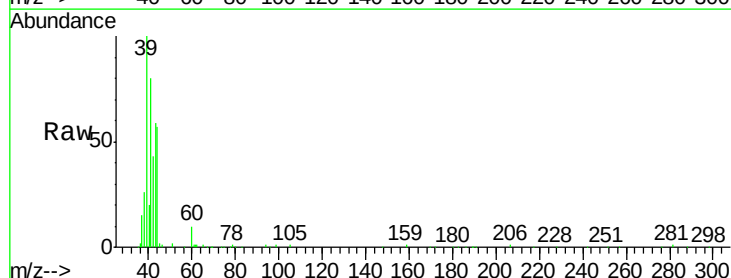
Acq: 9 Sep 2021 14:42

Tgt Ion: 41 Resp: 160840

Ion Ratio Lower Upper

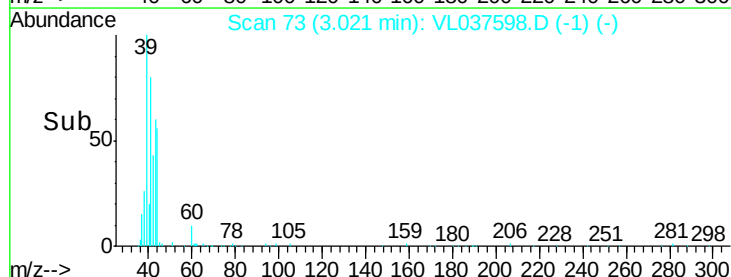
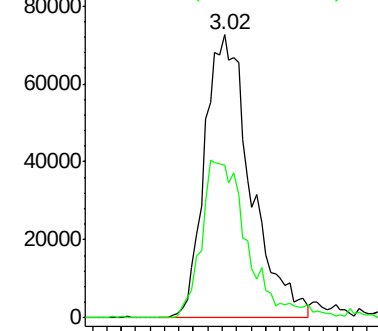
41 100

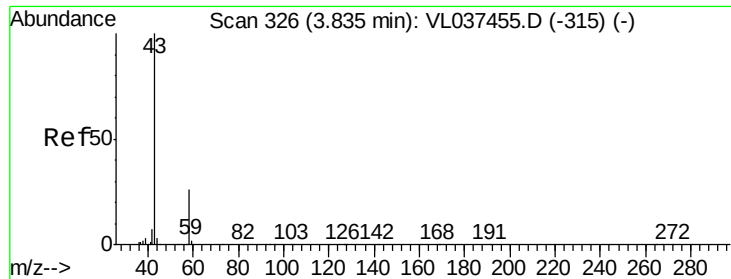
42 55.6 53.7 80.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





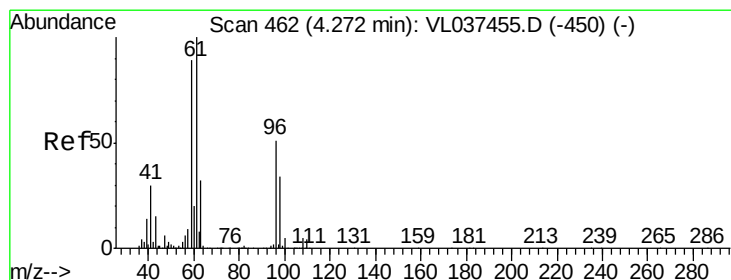
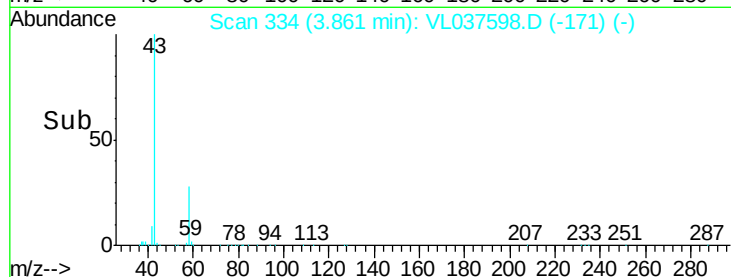
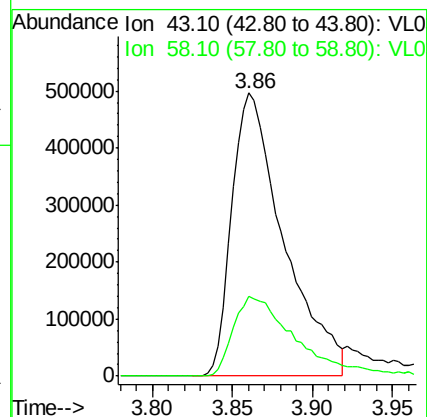
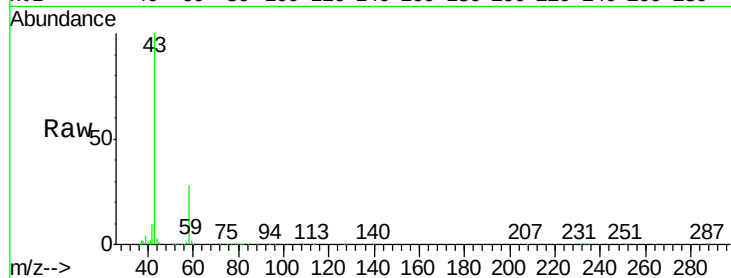
#15
Acetone
Concen: 7.562 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.03 min
Lab File: VL037598.D
Acq: 9 Sep 2021 14:42

Instrument :
MSVOA_L
ClientSampleId :
SV-2DLDP

Tot Ion: 43 Resp: 1103837
Ion Ratio Lower Upper
43 100
58 35.3 24.8 37.2

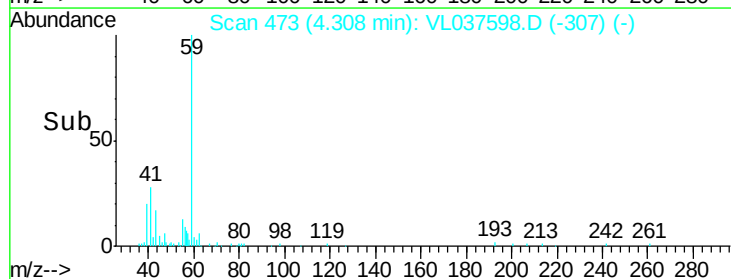
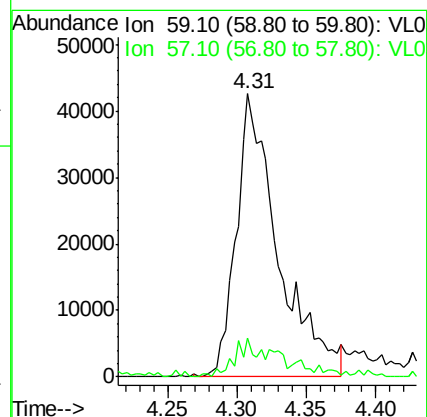
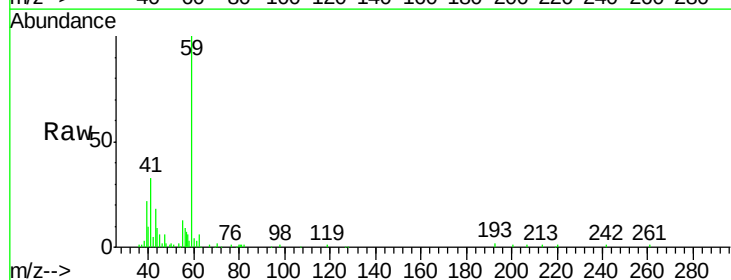
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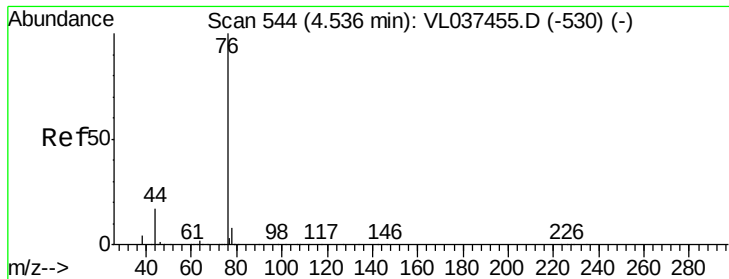
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#17
tert-Butyl alcohol
Concen: 0.674 ppbv m
RT: 4.31 min Scan# 473
Delta R.T. 0.04 min
Lab File: VL037598.D
Acq: 9 Sep 2021 14:42

Tgt Ion: 59 Resp: 89879
Ion Ratio Lower Upper
59 100
57 15.5 8.3 12.5#





#27

Carbon Disulfide

Concen: 0.257 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.02 min

Lab File: VL037598.D

Acq: 9 Sep 2021 14:42

Instrument :

MSVOA_L

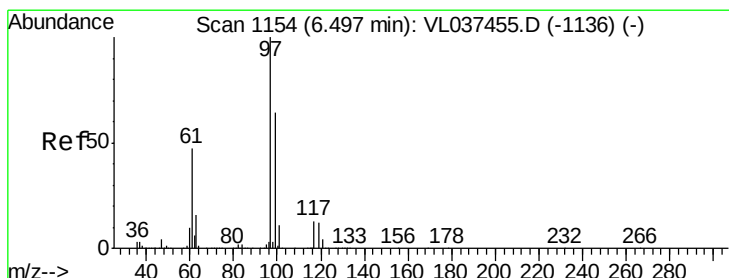
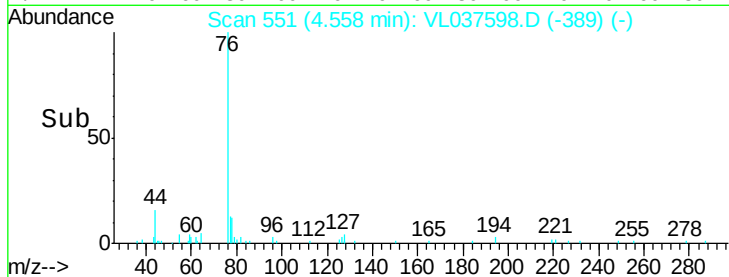
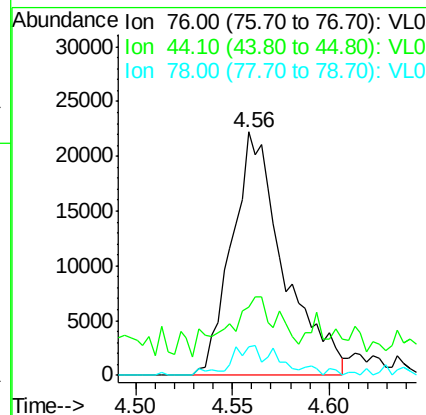
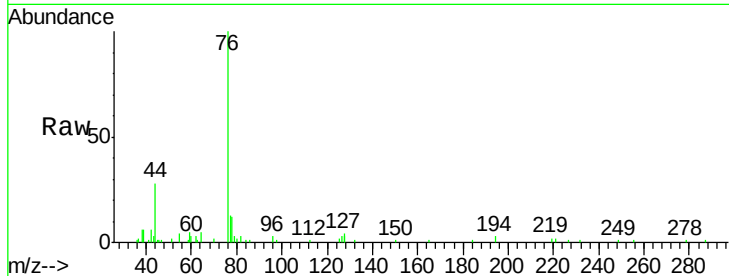
ClientSampleId :

SV-2DLDP

Tot Ion:	76	Resp:	41442
Ion	Ratio	Lower	Upper
76	100		
44	32.1	13.9	20.9#
78	11.8	7.9	11.9

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#32

1,1,1-Trichloroethane

Concen: 0.124 ppbv m

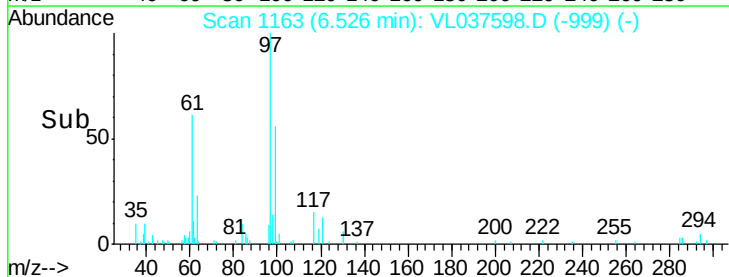
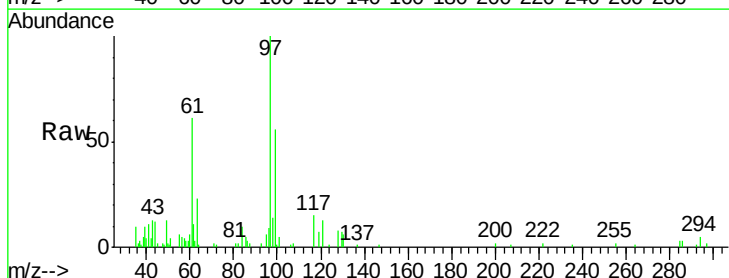
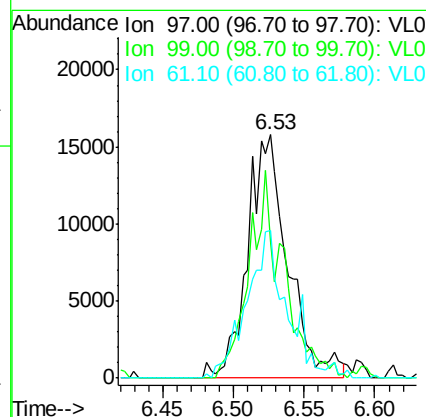
RT: 6.53 min Scan# 1163

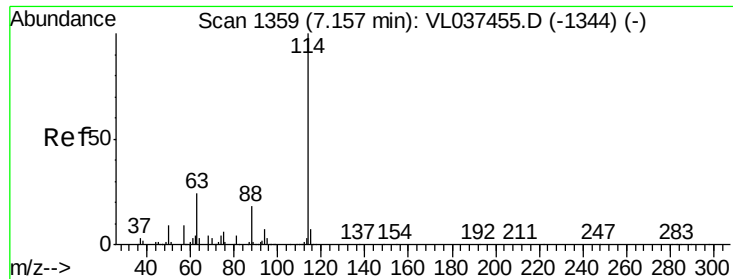
Delta R.T. 0.03 min

Lab File: VL037598.D

Acq: 9 Sep 2021 14:42

Tgt Ion:	97	Resp:	31373
Ion	Ratio	Lower	Upper
97	100		
99	74.7	51.8	77.6
61	61.1	39.6	59.4#





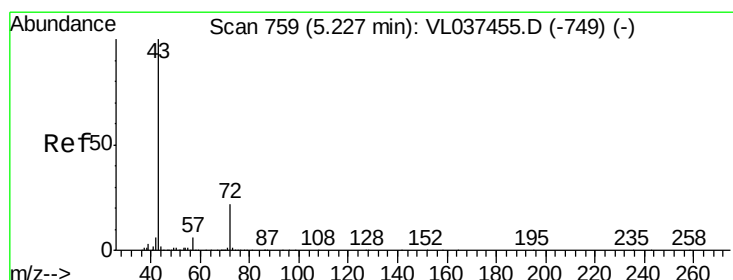
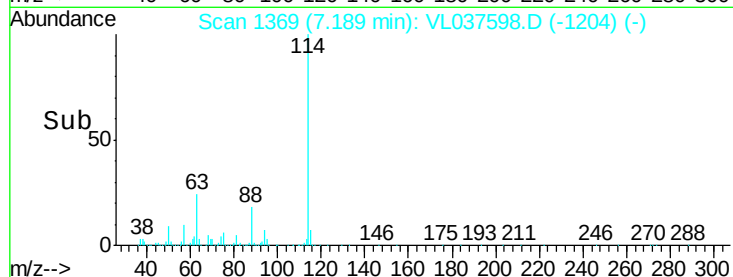
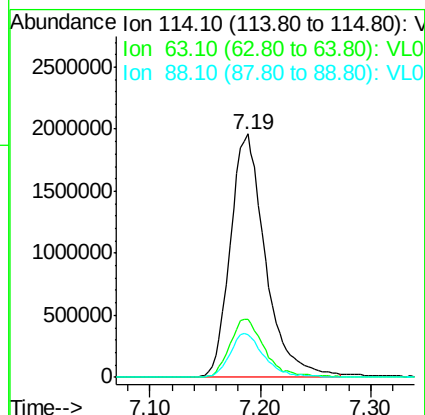
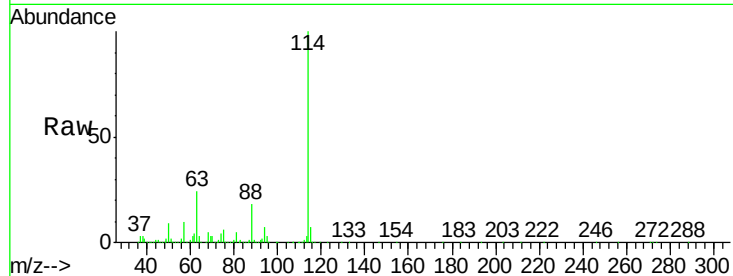
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.03 min
 Lab File: VL037598.D
 Acq: 9 Sep 2021 14:42

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DLDP

Tot Ion:114 Resp: 4338226
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.3 28.9
 88 17.8 14.2 21.4

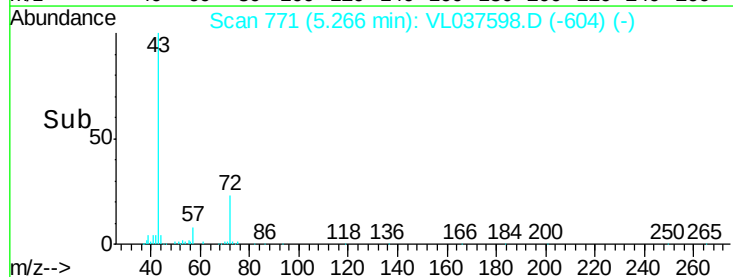
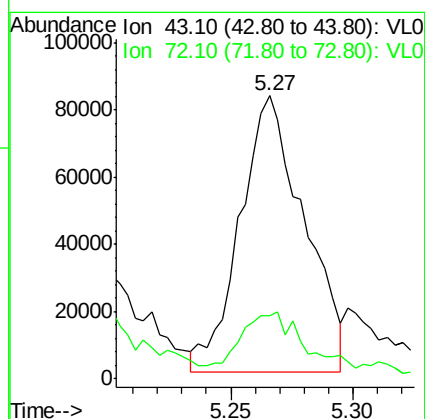
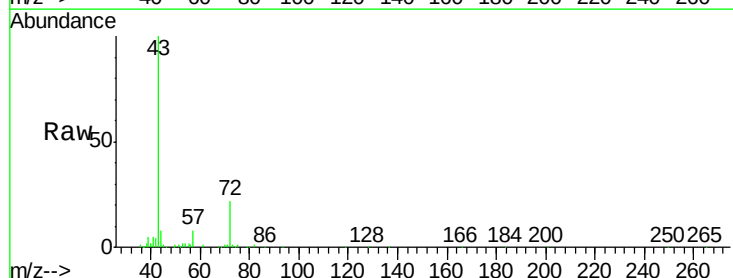
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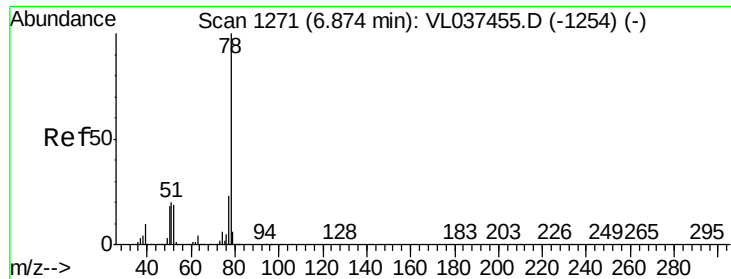
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#34
 2-Butanone
 Concen: 0.847 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.04 min
 Lab File: VL037598.D
 Acq: 9 Sep 2021 14:42

Tgt Ion: 43 Resp: 150044
 Ion Ratio Lower Upper
 43 100
 72 31.5 17.4 26.0#





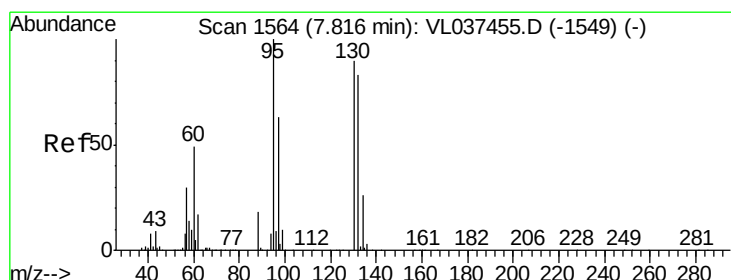
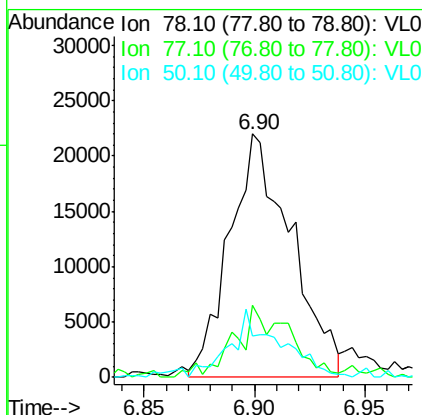
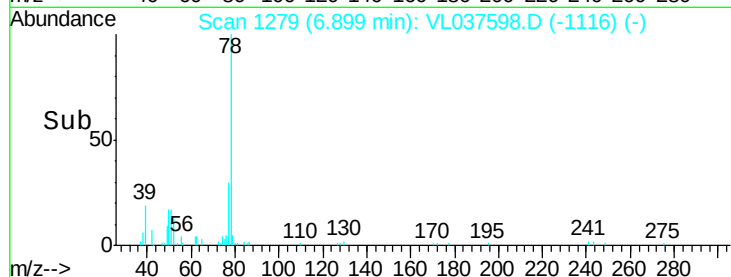
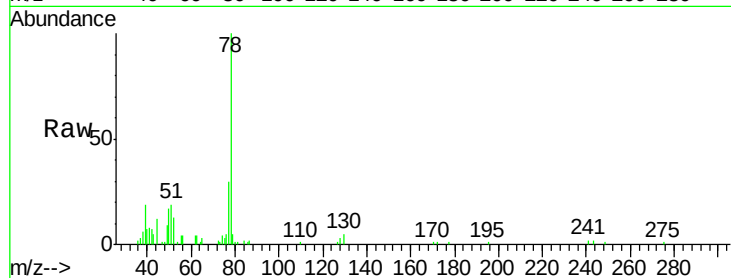
#36
Benzene
Concen: 0.117 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.03 min
Lab File: VL037598.D
Acq: 9 Sep 2021 14:42

Instrument :
MSVOA_L
ClientSampleId :
SV-2DLDP

Tot Ion	Ratio	Lower	Upper
78	100		
77	28.6	18.2	27.4#
50	17.4	14.6	21.8

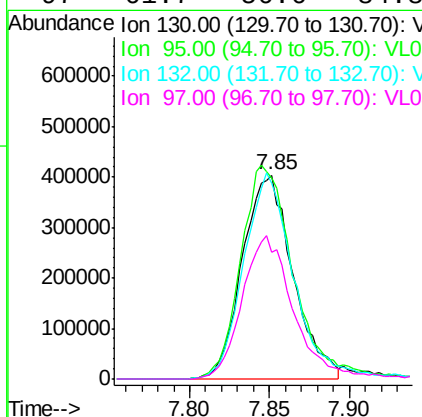
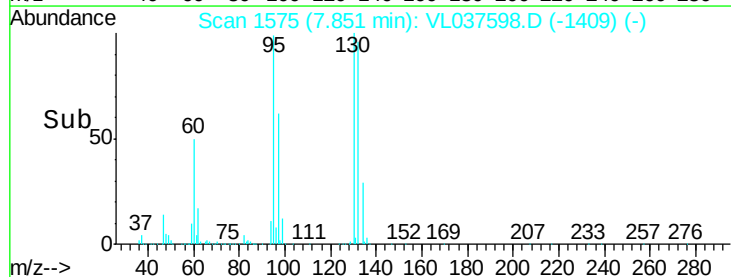
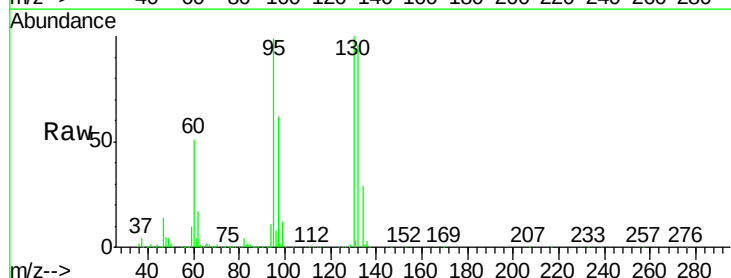
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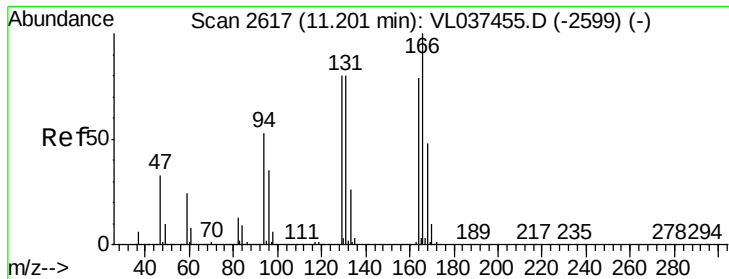
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#38
Trichloroethene
Concen: 5.854 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.04 min
Lab File: VL037598.D
Acq: 9 Sep 2021 14:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	89.2	133.8
132	96.0	74.0	111.0
97	61.7	56.6	84.8





#52

Tetrachloroethene

Concen: 9.073 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. 0.04 min

Lab File: VL037598.D

Acq: 9 Sep 2021 14:42

Instrument :

MSVOA_L

ClientSampleId :

SV-2DLUP

Tot Ion:164 Resp: 1355955

Ion Ratio Lower Upper

164 100

166 123.4 100.7 151.1

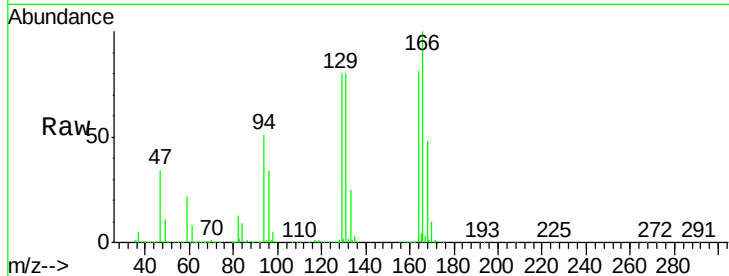
129 98.6 80.9 121.3

131 98.9 80.2 120.4

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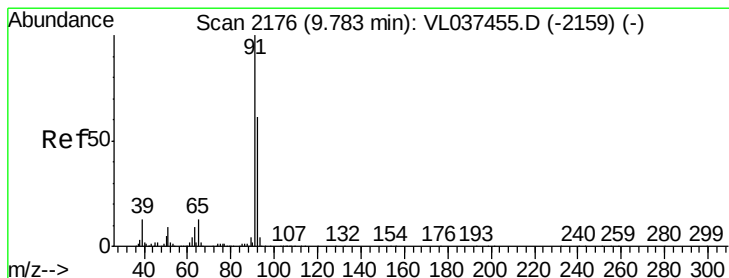
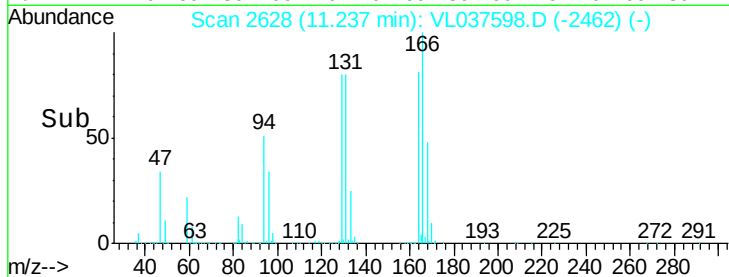
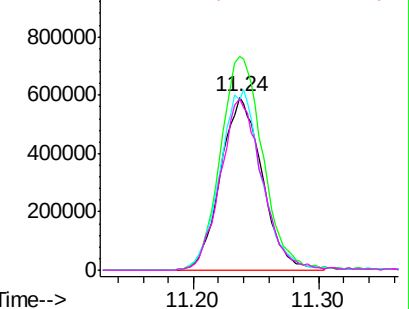


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 2.096 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.04 min

Lab File: VL037598.D

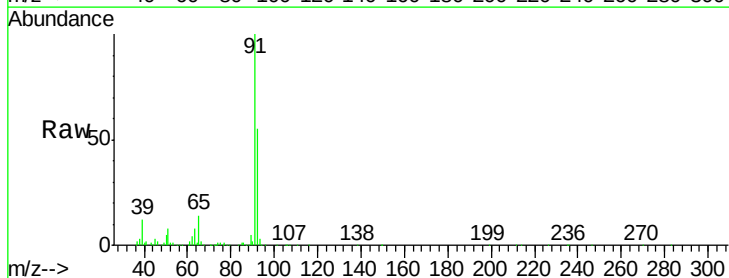
Acq: 9 Sep 2021 14:42

Tgt Ion: 91 Resp: 872817

Ion Ratio Lower Upper

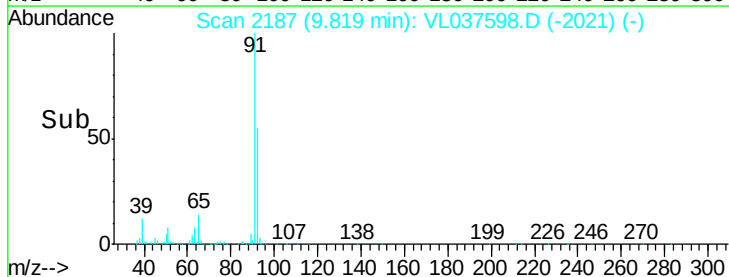
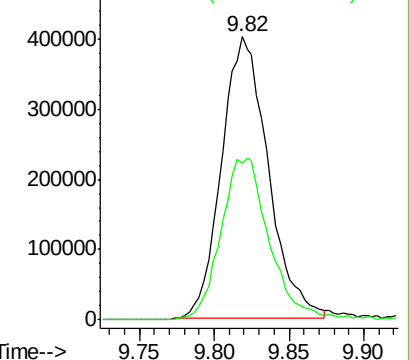
91 100

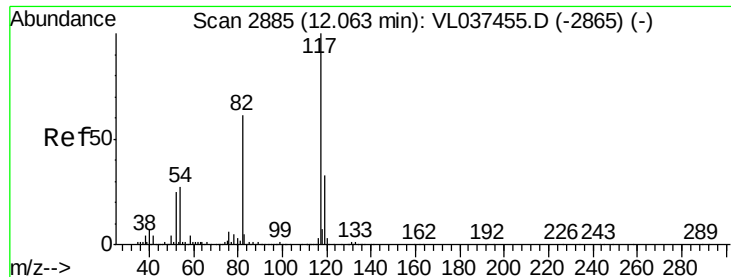
92 60.1 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





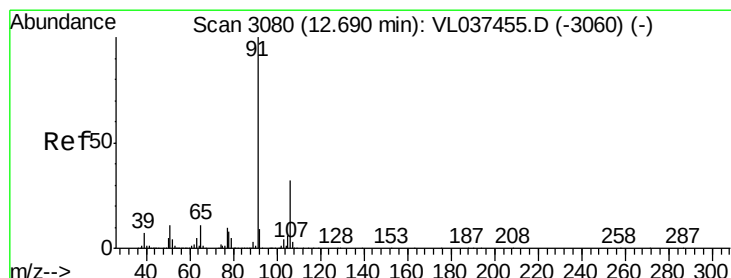
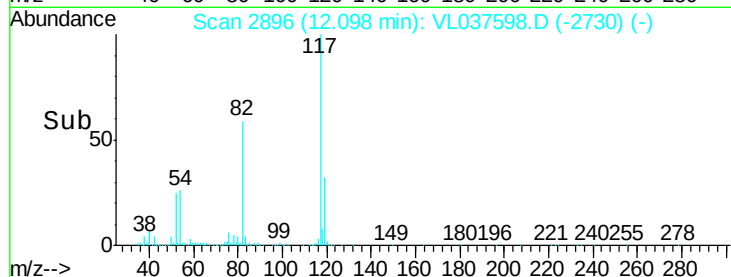
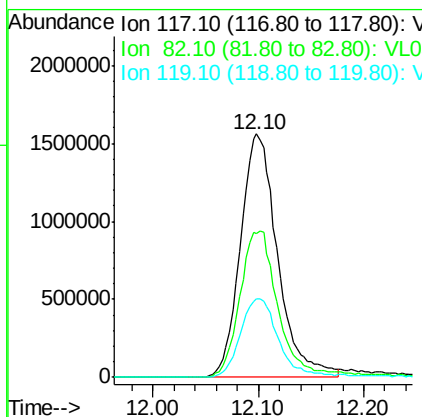
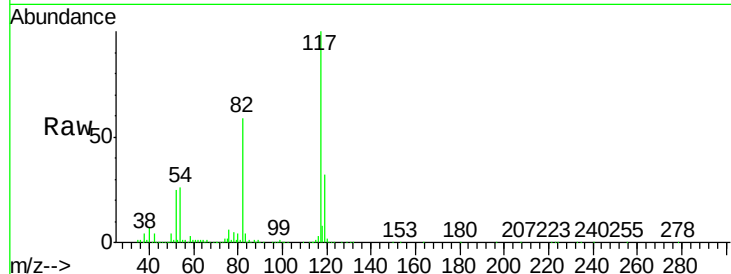
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.04 min
Lab File: VL037598.D
Acq: 9 Sep 2021 14:42

Instrument :
MSVOA_L
ClientSampleId :
SV-2DLUP

Tot Ion: 117 Resp: 3838344
Ion Ratio Lower Upper
117 100
82 64.3 52.9 79.3
119 34.3 24.8 37.2

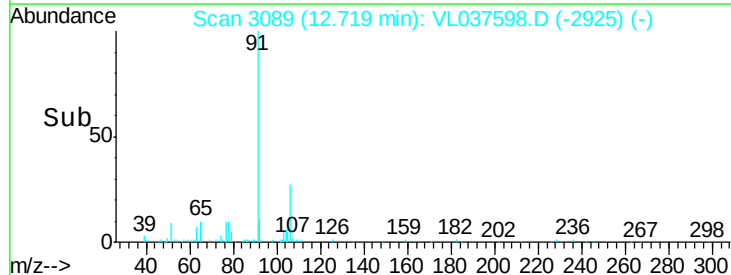
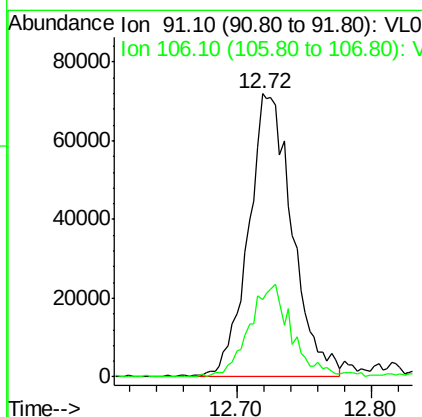
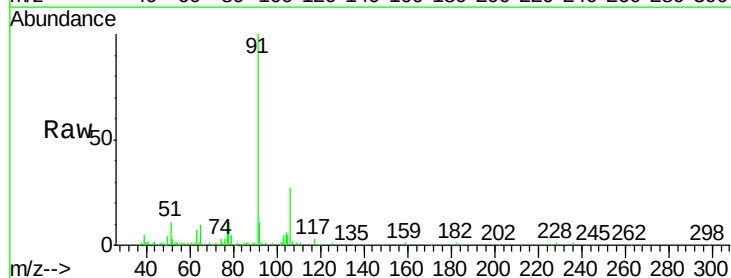
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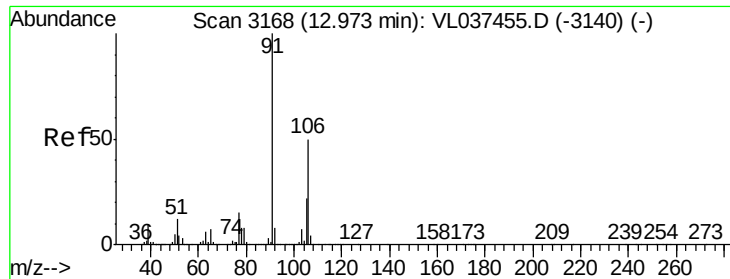
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#58
Ethyl Benzene
Concen: 0.307 ppbv m
RT: 12.72 min Scan# 3089
Delta R.T. 0.03 min
Lab File: VL037598.D
Acq: 9 Sep 2021 14:42

Tgt Ion: 91 Resp: 163297
Ion Ratio Lower Upper
91 100
106 27.2 25.7 38.5





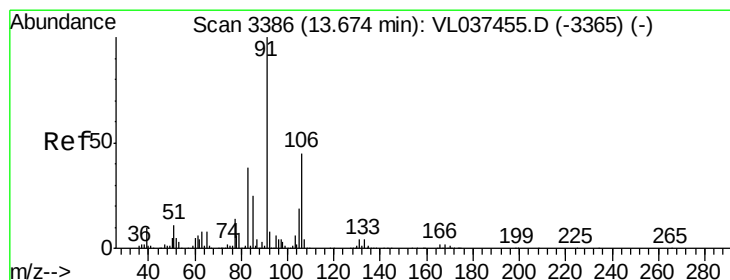
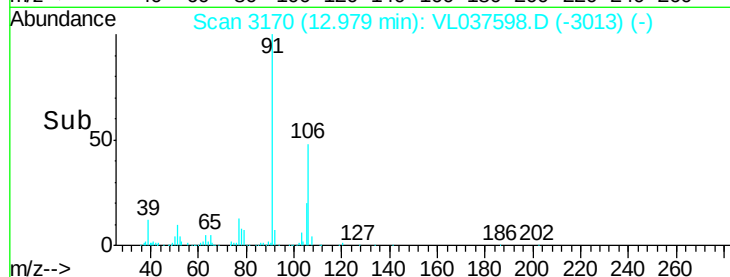
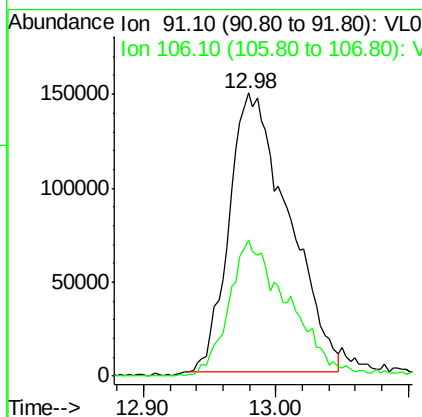
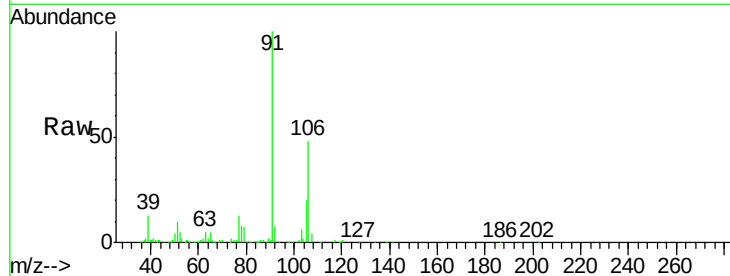
#59
m/p-Xylene
Concen: 1.001 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL037598.D
Acq: 9 Sep 2021 14:42

Instrument :
MSVOA_L
ClientSampleId :
SV-2DLDP

Tot Ion	Ratio	Lower	Upper
91	100		
106	49.9	36.9	55.3

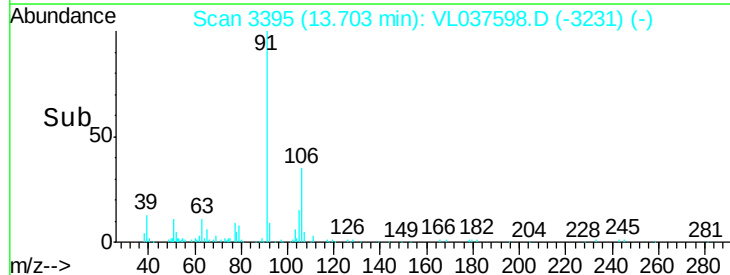
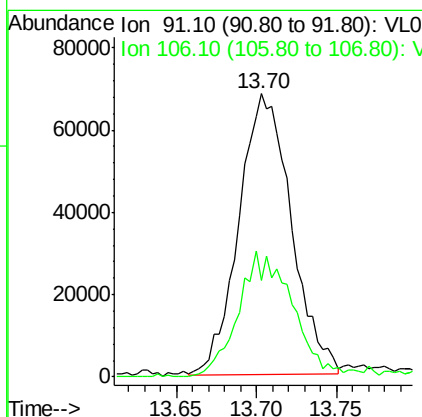
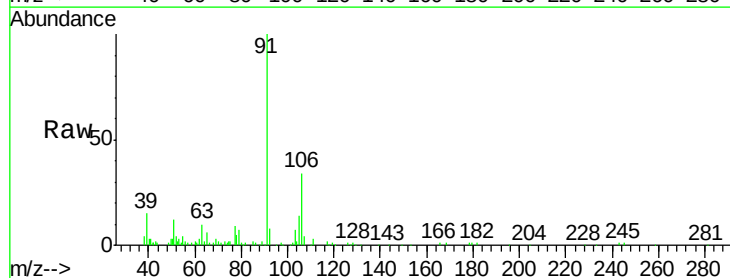
Manual Integrations
APPROVED

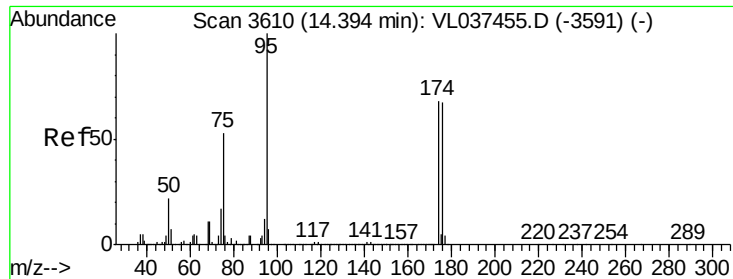
MMDadoda
9/10/2021 6:37:14 PM



#60
o-Xylene
Concen: 0.356 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.03 min
Lab File: VL037598.D
Acq: 9 Sep 2021 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	48.2	23.7	71.1





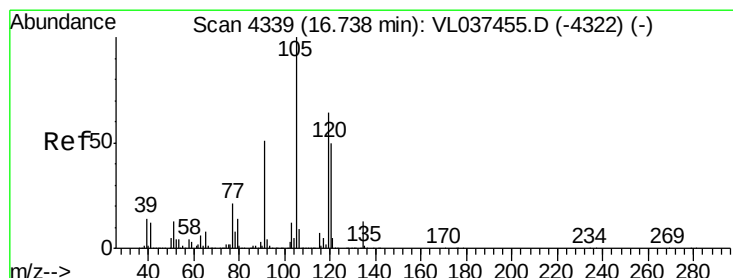
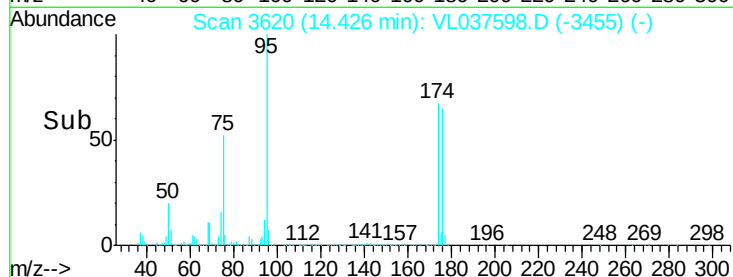
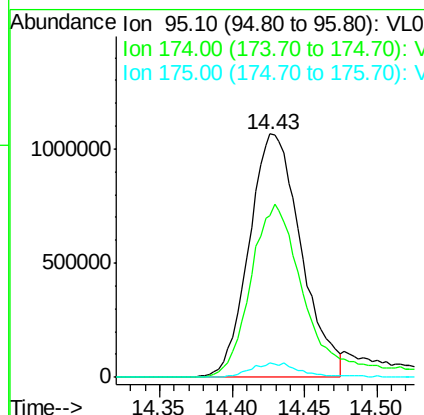
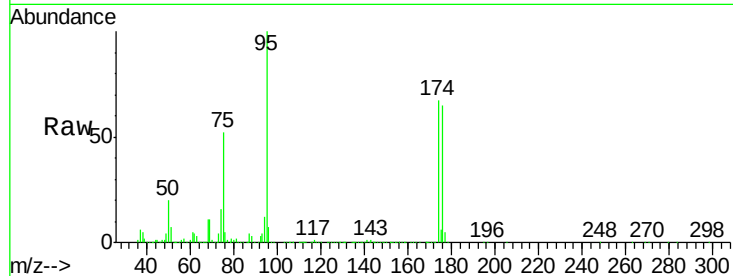
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.713 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.03 min
 Lab File: VL037598.D
 Acq: 9 Sep 2021 14:42

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DLDP

Tot Ion: 95 Resp: 2648692
 Ion Ratio Lower Upper
 95 100
 174 80.1 59.6 89.4
 175 6.1 4.6 7.0

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 6:37:14 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.234 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.03 min
 Lab File: VL037598.D
 Acq: 9 Sep 2021 14:42

Tgt Ion: 105 Resp: 118601
 Ion Ratio Lower Upper
 105 100
 120 36.3 40.4 60.6#
 91 15.4 44.6 67.0#
 77 9.8 17.8 26.6#

