

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036121.D
 Acq On : 9 Dec 2020 8:00
 Operator : SY/AP
 Sample : L4948-14DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-6BDL

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Quant Time: Dec 09 09:18:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1166730	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2327978	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2050158	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1753125	10.77	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	20070m	0.301	ppbv	
13) Ethanol	3.63	45	51473m	5.599	ppbv	
15) Acetone	3.87	43	84692	0.604	ppbv #	68
20) Methylene Chloride	4.35	84	23161m	0.403	ppbv	
26) Hexane	5.70	57	13406	0.106	ppbv #	40
30) Cyclohexane	7.14	84	15997m	0.173	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	541959	3.172	ppbv	95
34) 2-Butanone	5.28	43	22540m	0.146	ppbv	
36) Benzene	6.89	78	29637m	0.150	ppbv	
52) Tetrachloroethene	11.24	164	7819m	0.109	ppbv	
59) m/p-Xylene	12.98	91	50309m	0.213	ppbv	

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

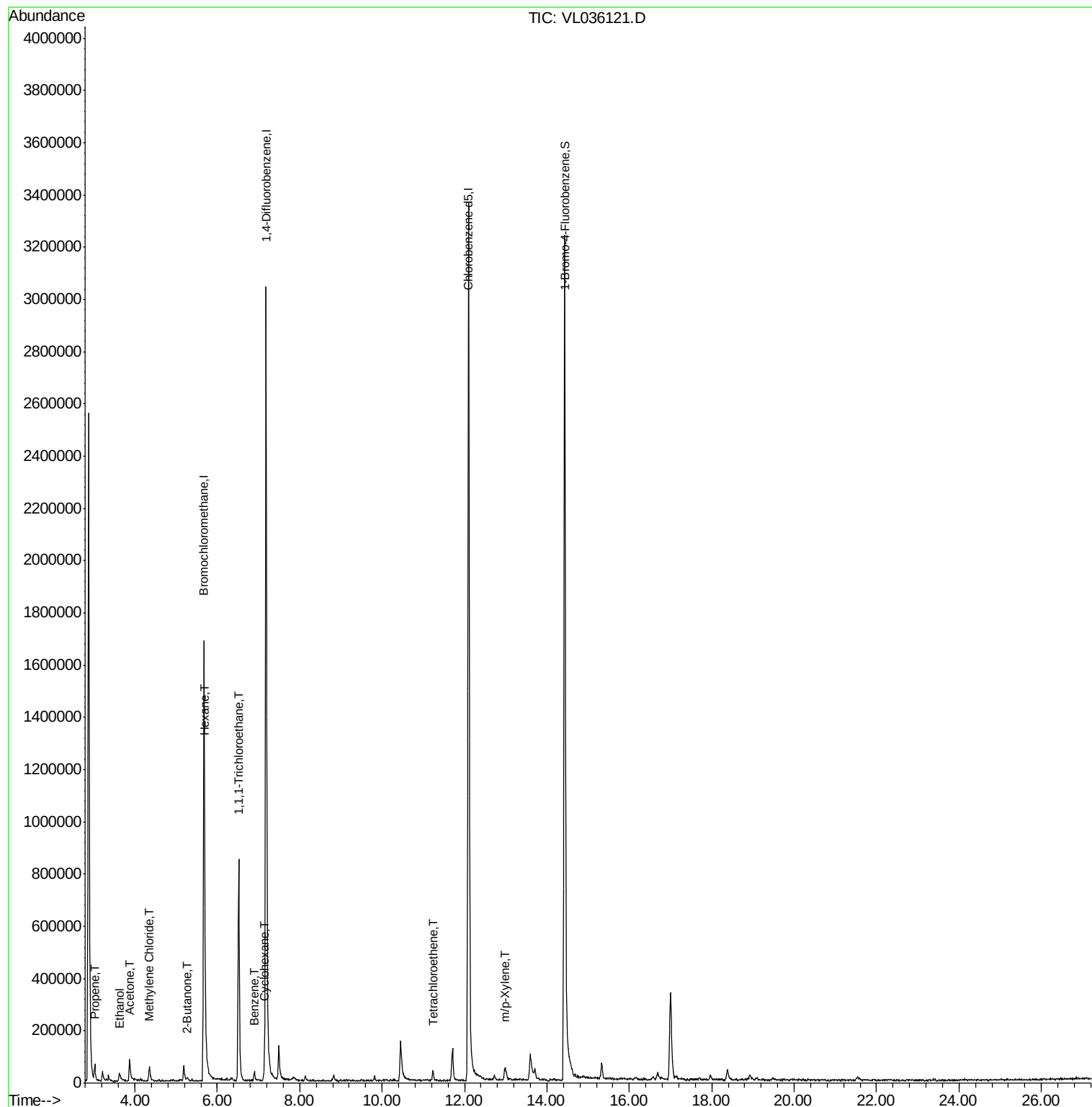
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Data File : VL036121.D
Acq On : 9 Dec 2020 8:00
Operator : SY/AP
Sample : L4948-14DL 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

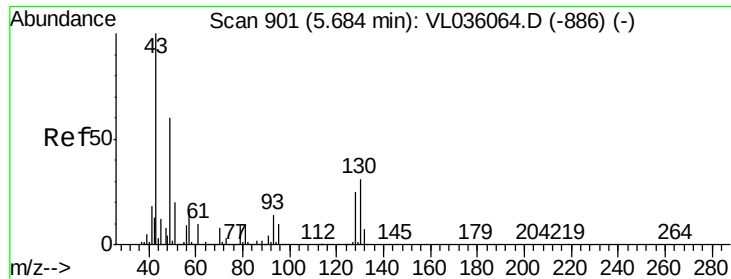
Instrument :
MSVOA_L
ClientSampleId :
SS-6BDL

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Quant Time: Dec 09 09:18:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





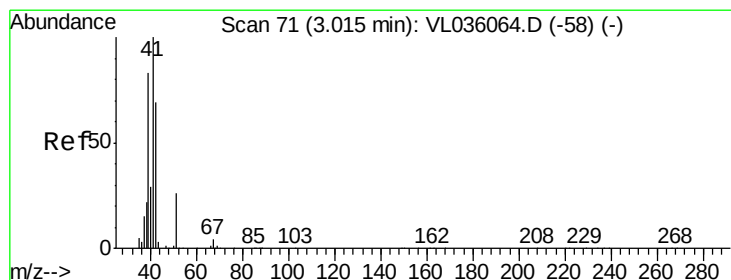
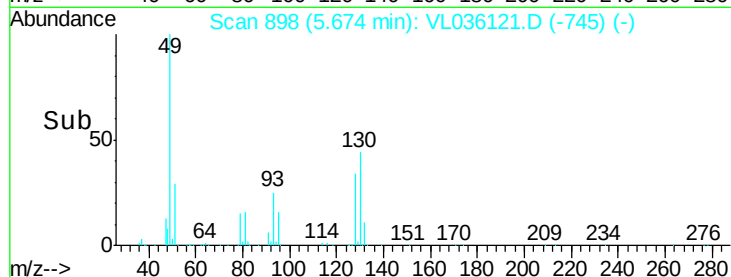
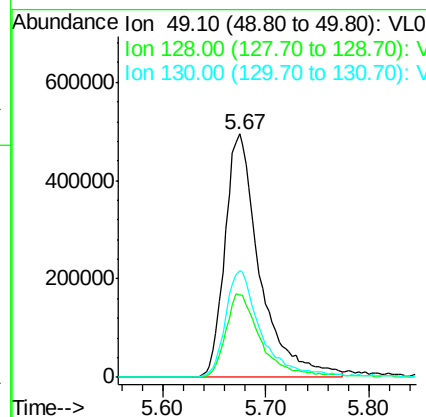
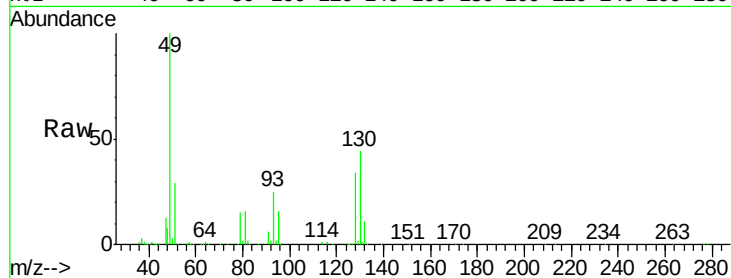
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL036121.D
Acq: 9 Dec 2020 8:00

Instrument :
MSVOA_L
ClientSampleId :
SS-6BDL

Tot Ion: 49 Resp: 1166730
Ion Ratio Lower Upper
49 100
128 35.8 21.1 63.1
130 45.2 27.1 81.3

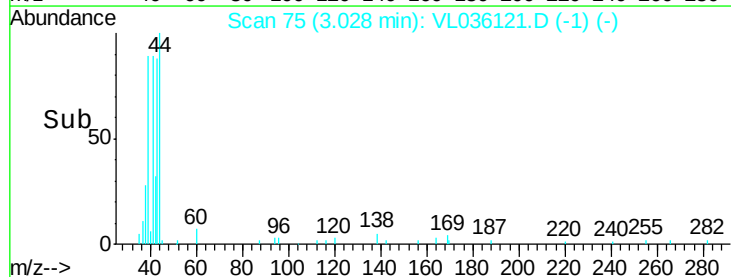
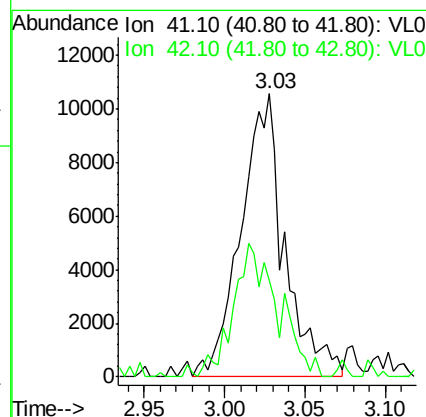
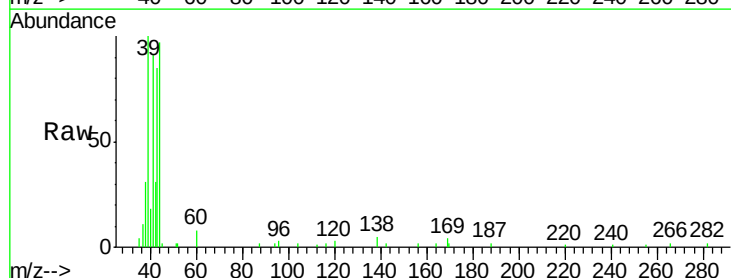
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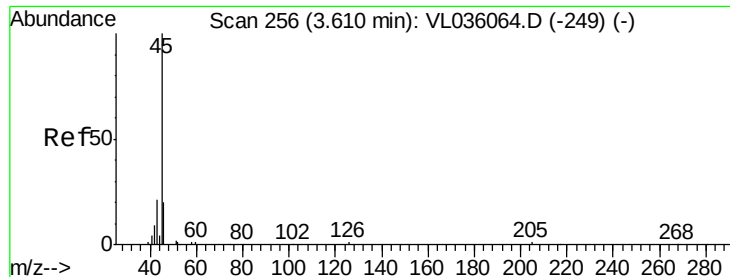
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#9
Propene
Concen: 0.301 ppbv m
RT: 3.03 min Scan# 75
Delta R.T. 0.01 min
Lab File: VL036121.D
Acq: 9 Dec 2020 8:00

Tgt Ion: 41 Resp: 20070
Ion Ratio Lower Upper
41 100
42 49.7 57.0 85.6#





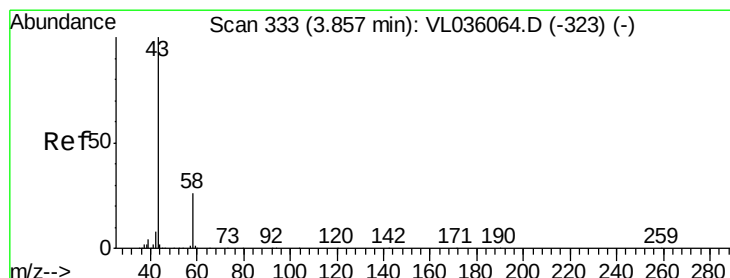
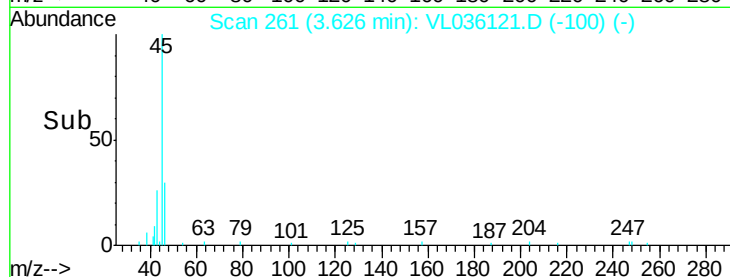
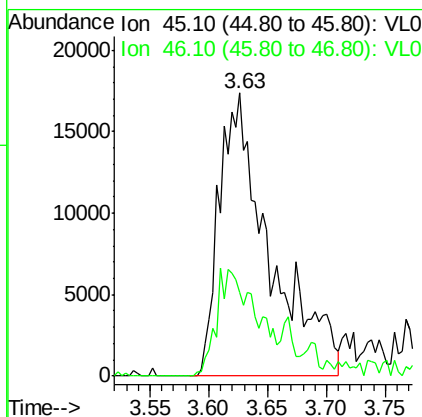
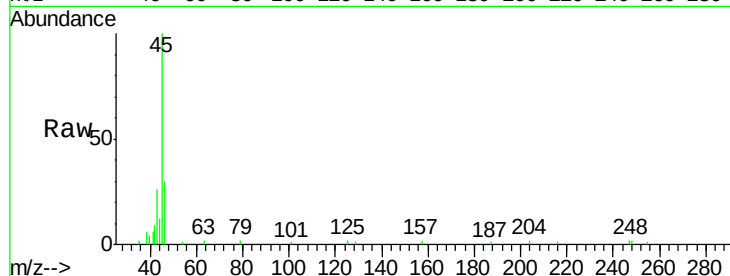
#13
Ethanol
Concen: 5.599 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL036121.D
Acq: 9 Dec 2020 8:00

Instrument :
MSVOA_L
ClientSampleId :
SS-6BDL

Tot Ion: 45 Resp: 51473
Ion Ratio Lower Upper
45 100
46 40.5 19.0 75.8

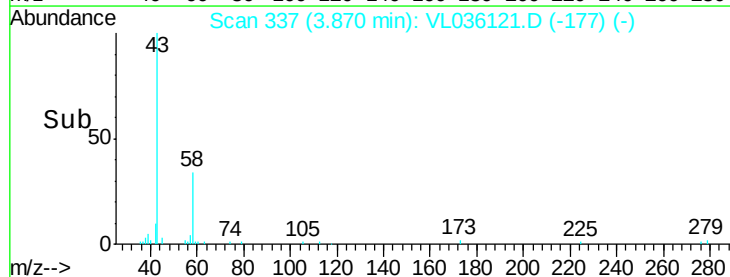
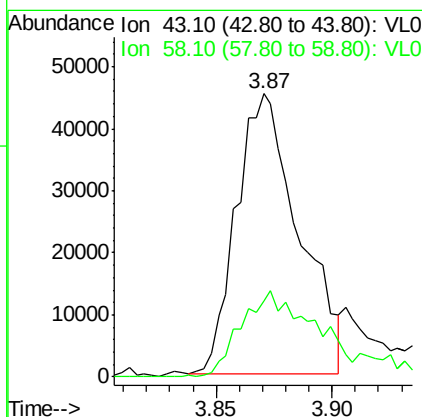
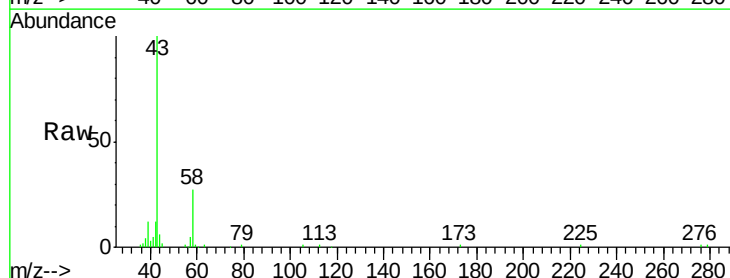
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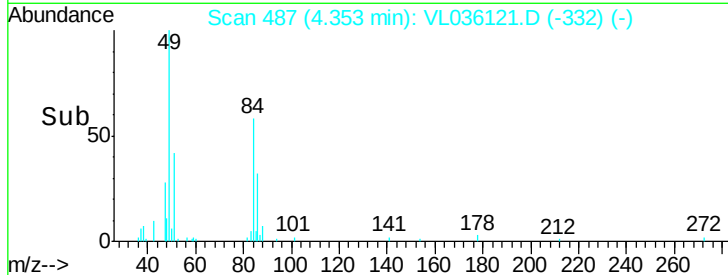
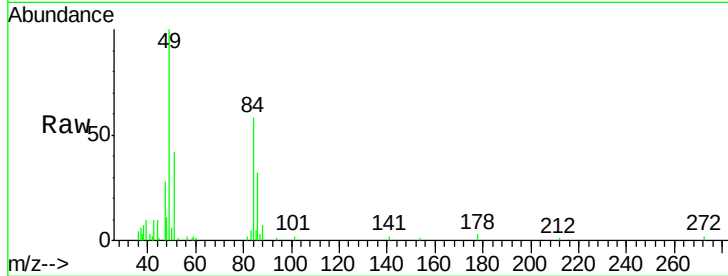
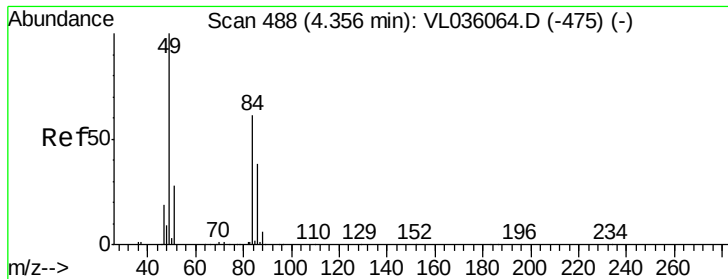
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#15
Acetone
Concen: 0.604 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.01 min
Lab File: VL036121.D
Acq: 9 Dec 2020 8:00

Tgt Ion: 43 Resp: 84692
Ion Ratio Lower Upper
43 100
58 42.5 20.9 31.3#





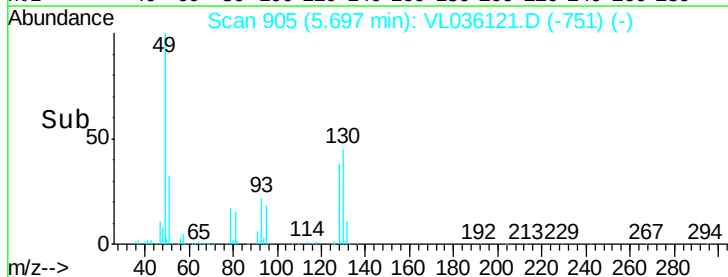
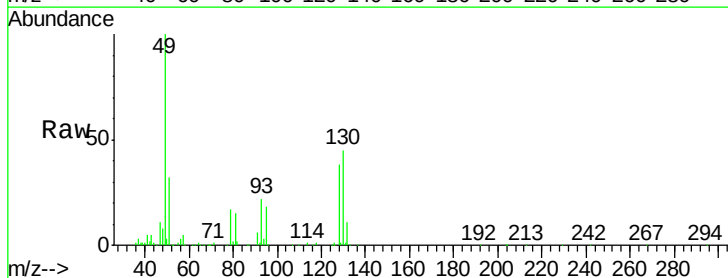
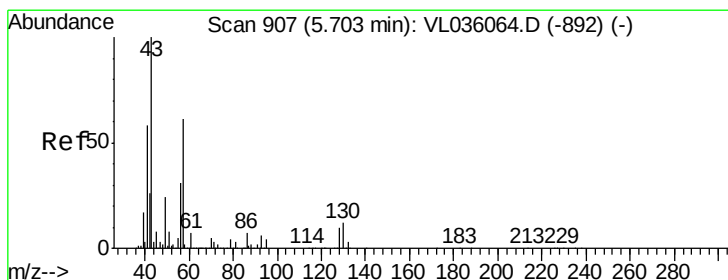
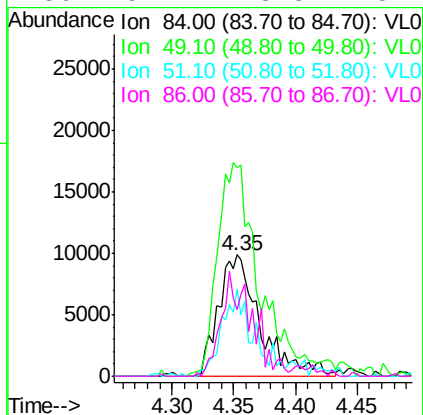
#20
Methvlene Chloride
Concen: 0.403 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL036121.D
Acq: 9 Dec 2020 8:00

Tot Ion:	84	Resp:	23161
Ion	Ratio	Lower	Upper
84	100		
49	172.0	133.0	199.4
51	72.1	38.9	58.3#
86	54.4	48.8	73.2

Instrument :
MSVOA_L
ClientSampleId :
SS-6BDL

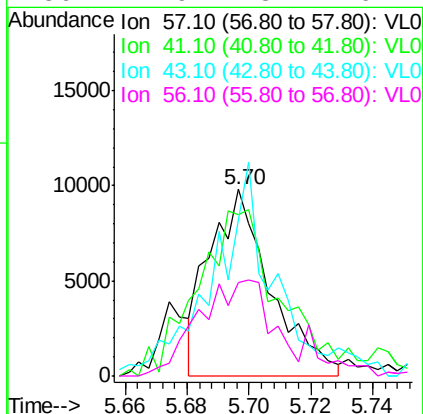
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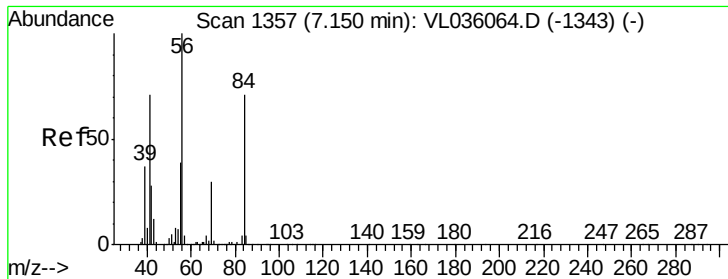
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#26
Hexane
Concen: 0.106 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL036121.D
Acq: 9 Dec 2020 8:00

Tgt Ion:	57	Resp:	13406
Ion	Ratio	Lower	Upper
57	100		
41	144.0	82.9	124.3#
43	118.1	199.9	299.9#
56	71.9	43.1	64.7#





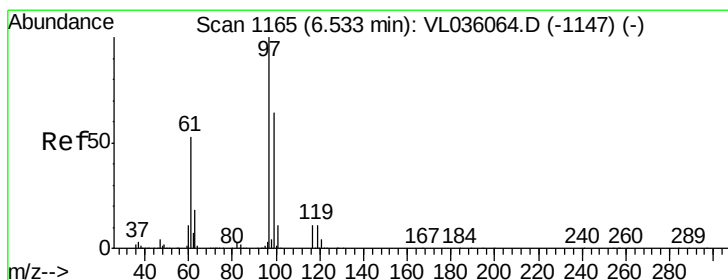
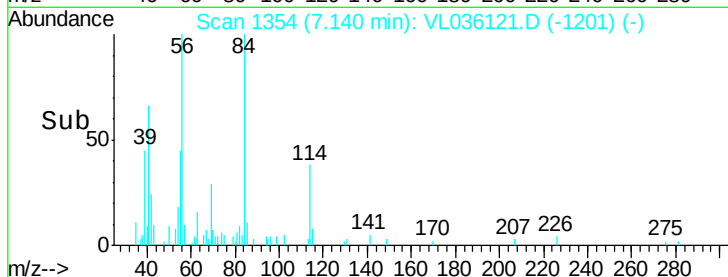
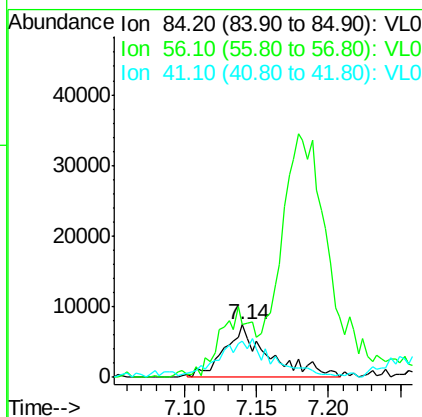
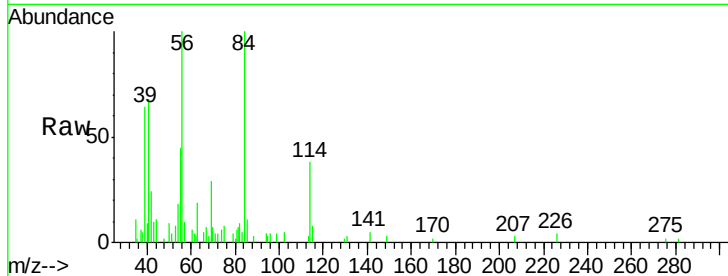
#30
Cyclohexane
Concen: 0.173 ppbv m
RT: 7.14 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL036121.D
Acq: 9 Dec 2020 8:00

Instrument :
MSVOA_L
ClientSampleId :
SS-6BDL

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	128.0	192.0#
41	0.0	81.3	121.9#

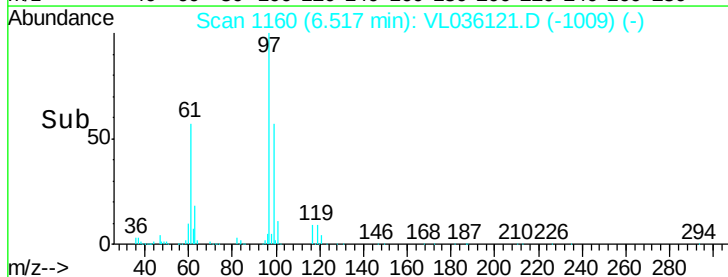
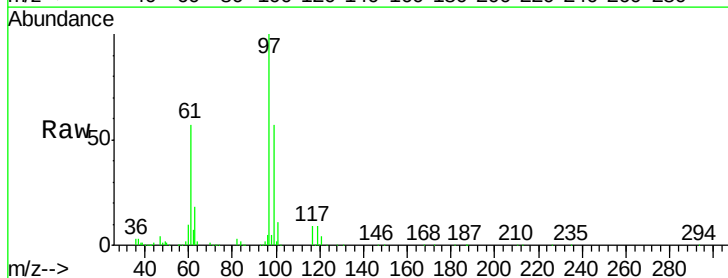
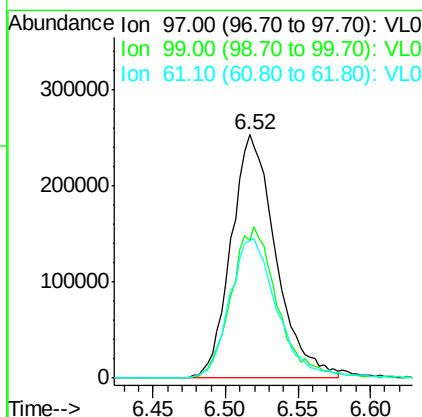
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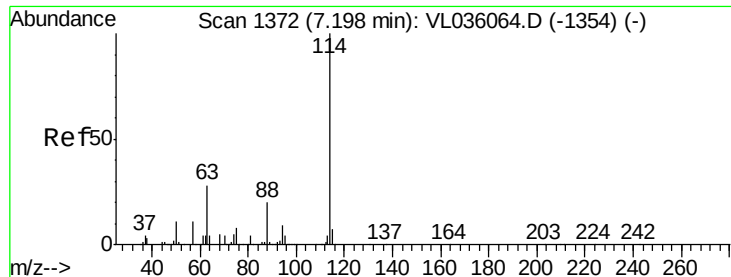
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#32
1,1,1-Trichloroethane
Concen: 3.172 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. -0.02 min
Lab File: VL036121.D
Acq: 9 Dec 2020 8:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.4	78.6
61	61.5	43.4	65.0





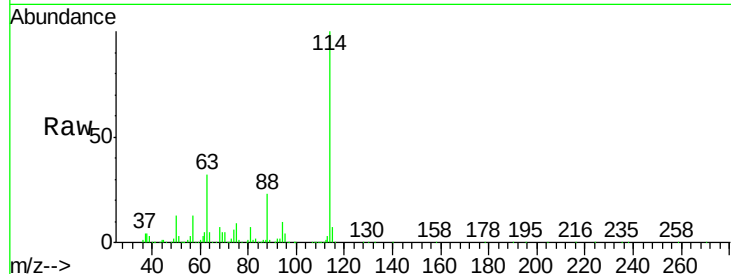
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.02 min
 Lab File: VL036121.D
 Acq: 9 Dec 2020 8:00

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-6BDL

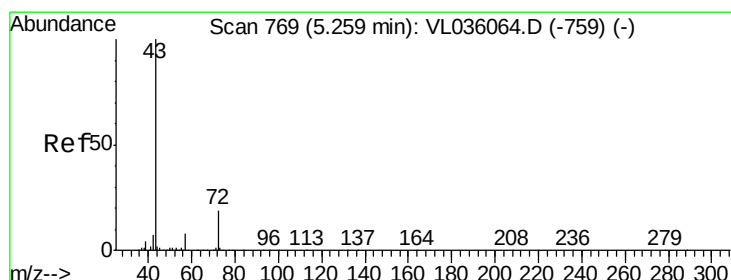
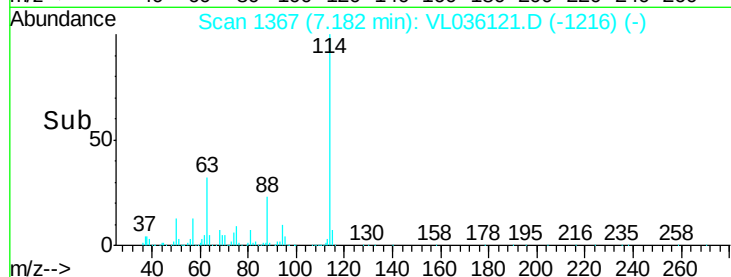
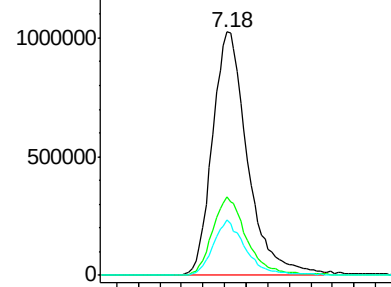
Tot Ion	Ratio	Lower	Upper
114	100		
63	32.0	23.6	35.4
88	21.1	15.8	23.6

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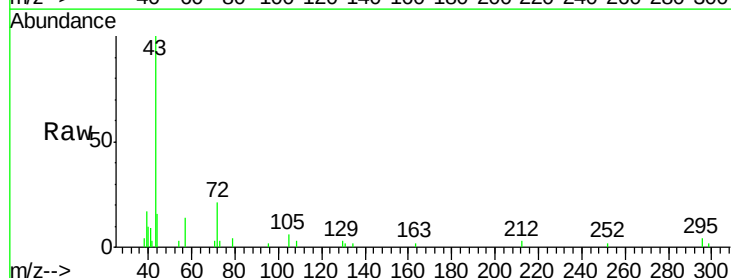


Abundance Ion 114.10 (113.80 to 114.80): VL0

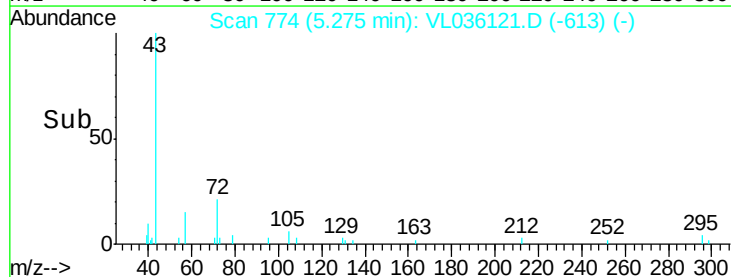
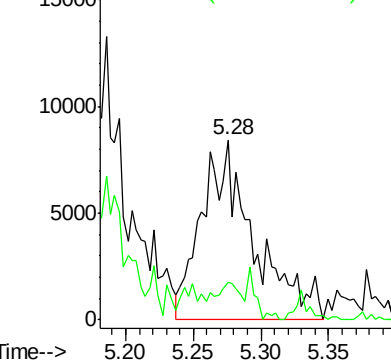


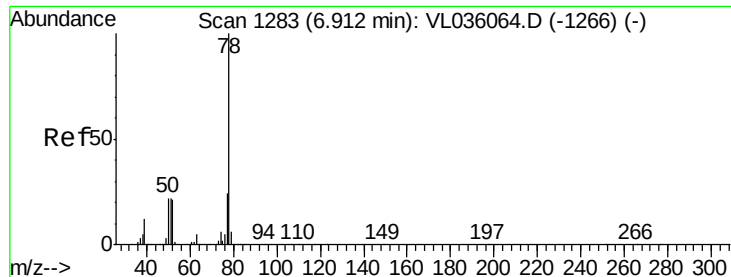
#34
 2-Butanone
 Concen: 0.146 ppbv m
 RT: 5.28 min Scan# 774
 Delta R.T. 0.02 min
 Lab File: VL036121.D
 Acq: 9 Dec 2020 8:00

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0





#36

Benzene

Concen: 0.150 ppbv m

RT: 6.89 min Scan# 1277

Delta R.T. -0.02 min

Lab File: VL036121.D

Acq: 9 Dec 2020 8:00

Instrument :

MSVOA_L

ClientSampleId :

SS-6BDL

Tot Ion: 78 Resp: 29637

Ion Ratio Lower Upper

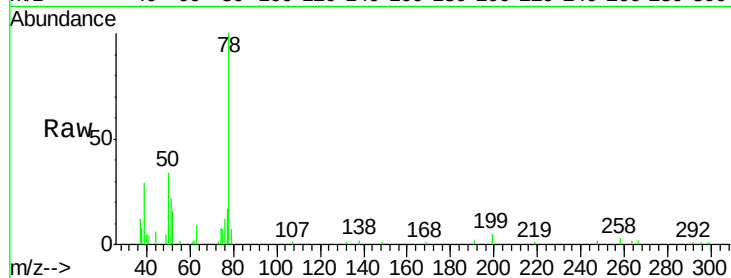
78 100

77 16.8 19.4 29.2#

50 33.8 17.8 26.8#

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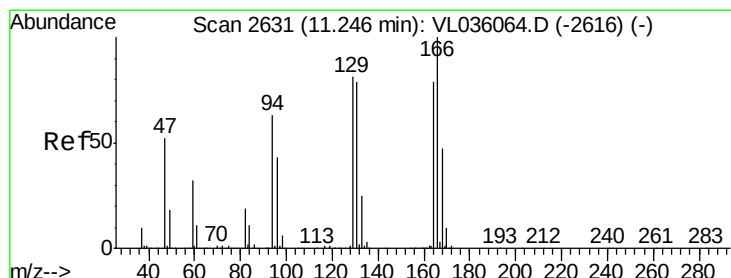
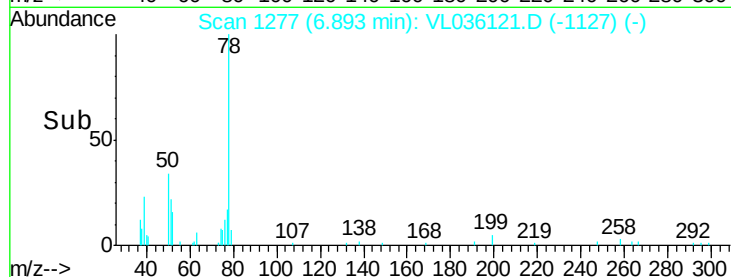
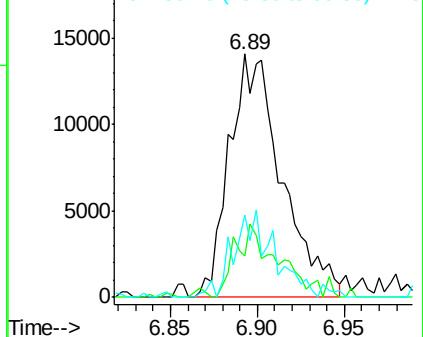
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Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#52

Tetrachloroethene

Concen: 0.109 ppbv m

RT: 11.24 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL036121.D

Acq: 9 Dec 2020 8:00

Tgt Ion: 164 Resp: 7819

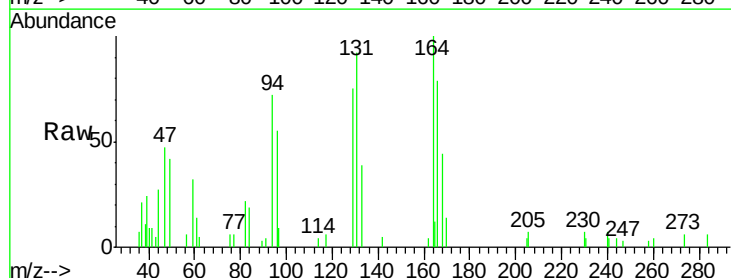
Ion Ratio Lower Upper

164 100

166 79.0 101.9 152.9#

129 75.4 82.1 123.1#

131 91.5 80.8 121.2

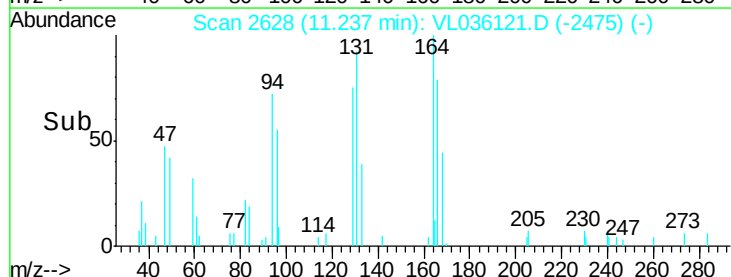
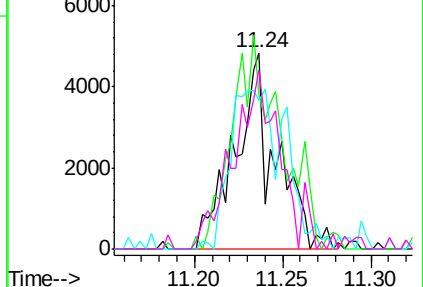


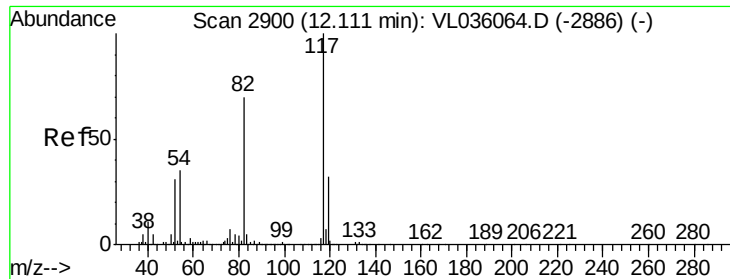
Abundance Ion 163.90 (163.60 to 164.60): V

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





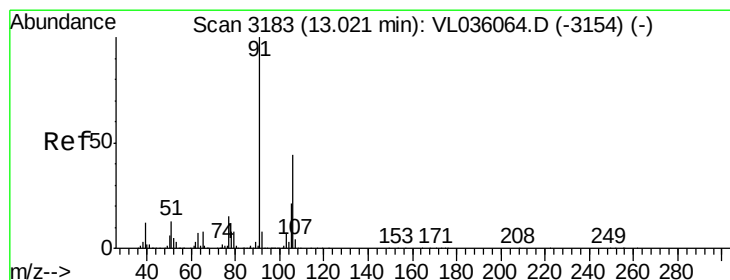
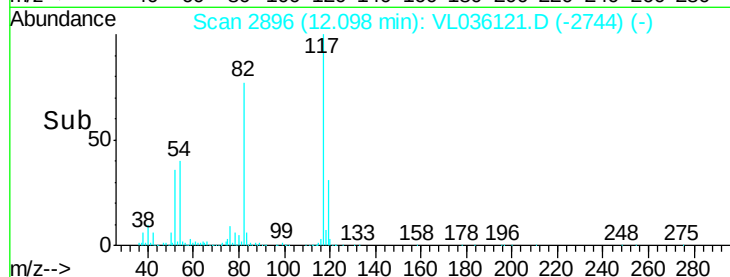
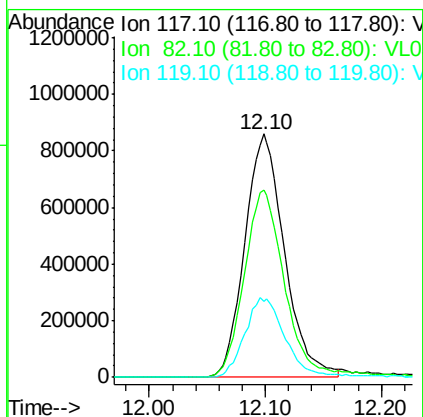
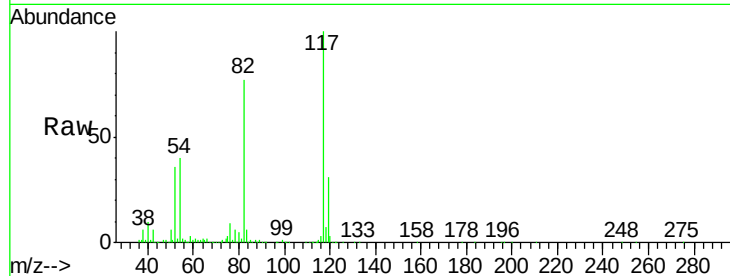
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL036121.D
Acq: 9 Dec 2020 8:00

Instrument :
MSVOA_L
ClientSampled :
SS-6BDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	80.3	0.0	0.0#
119	33.8	0.0	0.0#

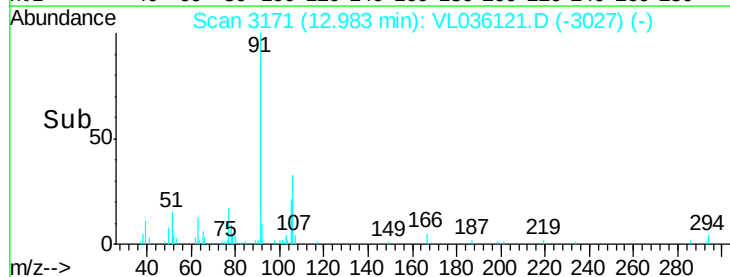
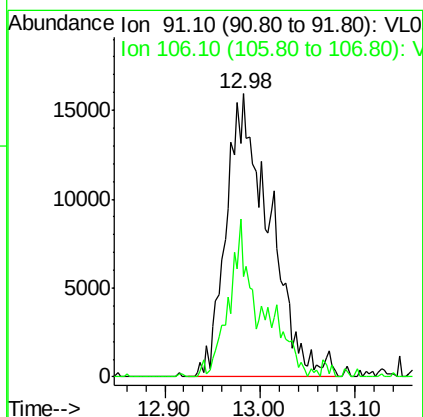
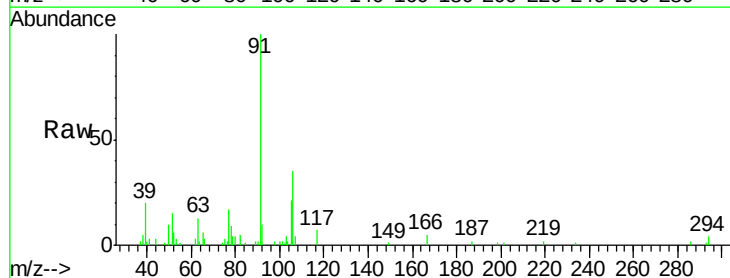
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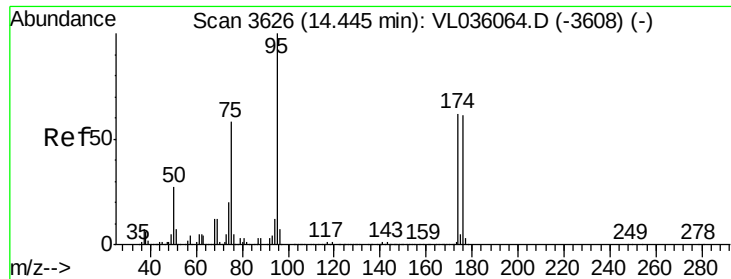
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#59
m/p-Xylene
Concen: 0.213 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.04 min
Lab File: VL036121.D
Acq: 9 Dec 2020 8:00

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	33.6	50.4#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.769 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. -0.02 min
 Lab File: VL036121.D
 Acq: 9 Dec 2020 8:00

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-6BDL

Tot Ion: 95 Resp: 1753125
 Ion Ratio Lower Upper
 95 100
 174 57.4 50.7 76.1
 175 4.2 4.0 6.0

Manual Integrations
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